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Corrective Measures Study Report

Solvent Dock Area
Former Lockheed Martin French Road Facility
Utica, New York

March 2009

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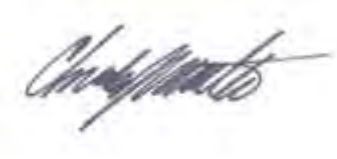

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Corrective Measures Study Report

Solvent Dock Area
Former French Road Facility
Utica, New York

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Acronyms

1,1,-DCA	1,1-dichloroethane
AOC	area of concern
ASP	analytical services protocol
BBL	Blasland, Bouck, & Lee, Inc,
bgs	below ground surface
BTEX	benzene, toluene, ethylbenzene and xylenes
cfm	cubic feet per minute
cis-1,2-DCE	cis-1,2-dichloroethene
CMIP	Corrective Measures Implementation Plan
CMS	Corrective Measures Study
COC	constituents of concern
ConMed	ConMed Corporation
CSM	conceptual site model
CVOCs	chlorinated volatile organic compounds
DMR	discharge monitoring reports
DUSR	data usability summary reports
GAC	granular activated carbon
GCTS	groundwater collection and treatment system
GE	General Electric Company
GPS	Global Positioning System
HDPE	high density polyethylene
HP	hydropunch
HVAC	heating, ventilating, and air conditioning
in. WC	inches of water column
IRM	Interim Remedial Measures
LMC	Lockheed Martin Corporation
MAC	Materials Acquisition Center
MMC	Martin Marietta Corporation
MNA	Monitored Natural Attenuation
msl	mean sea level
MW	monitoring well
NAD	North American Datum
NCP	National Contingencies Plan
NGVD	National Geodetic Vertical Datum
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
O&M	operations and maintenance

OCIDA	Oneida County Industrial Development Agency
OM&M	operation, maintenance, and monitoring
OSWER	Office of Solid Waste and Environmental Restoration
PCBs	polychlorinated biphenyls
PCE	tetrachloroethene
PID	photo-ionization detector
POTW	publicly-owned treatment works
PZ	piezometer
RCP	reinforced concrete pipe
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RQD	rock quality designation
SCO	soil cleanup objectives (SCOs
SDS	sub-slab depressurization system
SGV	standards and guidance values
SMP	Site Management Plan
SPDES	State Pollutant Discharge Elimination System
SSDS	sub-slab depressurization system
SVI	Soil Vapor Intrusion
SVOC	semi-volatile organic compound
SWMU	solid waste management unit
TCE	trichloroethene
TCLP	toxicity leachate characteristic procedure
TOGS	Technical and Operational Guidance Series
USCS	unified soil classification system
USEPA	U.S. Environmental Protection Agency
VC	vinyl chloride
VI	vapor intrusion
VMP	vapor-monitoring points
VOC	volatile organic compounds
VPGAC	vapor-phase granular activated-carbon
WWTP	wastewater treatment plant

1. Executive Summary

Lockheed Martin Corporation (Lockheed Martin) has completed a Corrective Measures Study (CMS) for the Solvent Dock Area (the Site) at the former Lockheed Martin French Road facility located in Utica, New York. This report is required by the October 3, 2008 "Order on Consent" issued by the New York State Department of Environmental Conservation (NYSDEC) (CO 6-20080321-5). The overall objective of the CMS is to provide data on current site conditions, evaluate performance of interim corrective measures operating at the facility, provide data necessary for evaluation of corrective measures alternatives, and recommend a corrective measures alternative for remedial action at the facility.

The "Order on Consent" defines five Areas of Concern (AOCs) for the Site:

- AOC 1 — Groundwater
- AOC 2 — Soil Vapor Migration/Indoor Air
- AOC 3 — Soil
- AOC 4 — Existing Remedial System (Groundwater Collection and Treatment System (GCTS))
- AOC 5 — Miscellaneous Tanks

The CMS investigated and evaluated each of these AOCs according to NYSDEC-approved work plans. Significant findings from the investigations for each of the AOCs are presented below.

1.1 Geology and Hydrogeology

- The Site geology consists of the following units:
  - Fill and/or undifferentiated overburden consisting of silt, sand, and gravel (5 to 10 feet thick).
  - Till consisting of dense gray-brown silty clay with fine sand and gravel (20 to 40 feet thick).
  - Utica Shale bedrock at depths ranging from 30 to 52 feet below ground surface (bgs).

- Groundwater occurs in the overburden and bedrock. Groundwater in the fill, undifferentiated overburden, and till is unconfined. Groundwater within the bedrock is under semi-confined conditions.

- The inferred direction of groundwater flow in the overburden and bedrock is toward the south. Localized areas of groundwater are influenced by operation of the groundwater collection and treatment system (GCTS) and potentially by storm-sewer lines at the Site.

- Horizontal hydraulic conductivities calculated from slug test data indicate a range of 0.02 to 12.7 feet per day in the undifferentiated overburden, 0.02 to 6.8 feet per day in the till, and 10^{-3} feet per day in the bedrock. Hydraulic conductivities calculated from grain size data indicate hydraulic conductivities for the till and undifferentiated overburden in the range of 0.02 to 0.7 feet per day.

1.2 AOC 1 - Groundwater

Groundwater impacts have been categorized based on the occurrence of groundwater. As such, groundwater impacts are identified with respect to water quality in the undifferentiated overburden, fill, till, and bedrock.

- Groundwater impacts were not observed in the undifferentiated overburden.

- CVOCs were identified as constituents of concern (COCs) in groundwater based on results for samples collected from wells screened across the fill and till, and wells screened only in the till. Groundwater impacts in the till decrease with depth and the lower portion of the till is not impacted.

- COCs were not identified in bedrock based on results for samples collected from the bedrock wells.

- The CVOC groundwater plume is limited to the fill and shallow till and primarily beneath the northeastern portion of the Site. Dissolved phase groundwater concentrations have decreased significantly since monitoring began in 1996. However, COCs persist at concentrations, albeit low concentrations, that are greater than NYSDEC standards and guidance values (SGVs).

1.3 AOC 2 - Soil Vapor Migration and Indoor Air

Prior to the CMS investigations, Lockheed Martin had conducted multiple rounds of sub-slab soil gas and indoor air sampling. Measured concentrations of TCE in sub-slab soil gas and indoor air indicated the potential for vapor intrusion into the manufacturing building. Lockheed Martin installed a sub-slab depressurization system (SSDS) as an ICM to mitigate the potential vapor intrusion pathway. The SSDS has been in operation since July 2008.

- Performance data for the SSDS ICM indicate that the system has effectively mitigated the potential vapor intrusion pathway and, as such, its continued operation should be considered as part of the final corrective measures for the Site.

- Off-Site migration of soil gas from the Solvent Dock Area is not a pathway of concern as:

  - There is no evidence of impacts to soil gas at locations sampled below out-buildings located north of the main facility;
  - A conduit for the preferential migration of soil gas (through utility corridors) does not exist at the Site; and
  - Due to the highly compact nature of the till and the poorly sorted nature of the fill, a favorable mechanism for migration of soil gas does not exist.

1.4 AOC 3 - Soil

Soil samples were collected from the fill, undifferentiated overburden, and till.

- The soil quality data show that constituents generally were not detected and the few detected constituents were reported at low levels. None of the detected constituents were reported at concentrations greater than the NYSDEC Restricted Use – Industrial Soil Cleanup Objectives.

1.5 AOC 4 - Existing Remedial System (Groundwater Collection and Treatment System)

The Groundwater Collection and Treatment System (GCTS), which has been operated as an ICM since 1996, was evaluated to determine its suitability for continued use as part of the final corrective measures for the Site. The evaluation consisted of a bedding investigation, groundwater quality monitoring, groundwater level monitoring, and water sampling from a storm-water pipe located on Site. The GCTS was designed and installed to lower groundwater levels in the vicinity of an existing storm-water pipe beneath the manufacturing building, and thus control infiltration of groundwater to the pipe. The GCTS consists of horizontal under-drains that flow to groundwater sumps, which are equipped with pumps that transfer the water to a treatment system.

The significant findings of the GCTS evaluation are as follows:

- Bedding material that contrasted with the surrounding soil was not observed along the storm-water pipe. As such, it is concluded that a preferential pathway for groundwater flow along the pipe related to a bedding material does not exist.
- Groundwater immediately adjacent to the pipe in the eastern parking lot was observed to be impacted with CVOCs at concentrations greater than SGVs.
- The GCTS had a minimal effect on groundwater levels.
- Independent of GCTS operation, groundwater levels near the section of storm-water pipe beneath the manufacturing building are lower than the invert of the pipe.
- Operation of the GCTS has controlled groundwater flow and the system removes VOC mass through the collection and treatment of impacted groundwater.

1.6 AOC 5 - Miscellaneous Tanks

During development of the Order on Consent, ten (10) tanks were identified as having an unknown status. The status of each tank was evaluated as part of the tank investigation. Each tank was either closed or inactive, with the exception of one tank (identified as Tank 18) which is currently used by the facility operator (ConMed Corporation) to fuel a back-up generator. None of the 10 tank locations had records indicating spills, leaks, or other conditions that may have impacted soil and/or

groundwater at the Site. Field inspection of the former tank locations as part of the tank investigation did not reveal any evidence of impacts from past operation of the tanks. As such, the conclusion is that no further action is required for these tanks.

1.7 Corrective Measures

Corrective measures alternatives were developed and then screened against the threshold criteria and the balancing criteria identified in the Order. The recommended corrective measures alternative was then selected based on the screening criteria. The primary components of the recommended corrective measures alternative are as follows:

- Groundwater – Continued hydraulic control through operation of the GCTS. The system will change status from an ICM to a final corrective measure. The system will be upgraded to include additional hydraulic control of impacted groundwater beneath the east parking lot. A monitored natural attenuation (MNA) plan will be implemented to ensure that the corrective action remains protective of human health and the environment, and to evaluate the progress of groundwater attenuation.

- Soil Vapor Migration and Indoor Air – Continued operation of the sub-slab depressurization system (SSDS). The system will change status from an ICM to a final corrective measure. The system will be upgraded to include additional sub-slab collection sumps.

- Site Management Plan – The Site Management Plan (SMP) will provide a description of the procedures necessary to manage corrective action at the Site and manage residual contamination (i.e., constituents that remain in environmental media at concentrations greater than applicable regulatory limits or guidance values).

The recommended corrective measures alternative will achieve the remedial criteria specified in the Order on Consent for surface water, groundwater, soil vapor migration/indoor air, and soil.

Surface water criteria will be met through treatment of collected groundwater prior to discharge to surface water in accordance with a SPDES permit. Furthermore, the

potential for impacted groundwater to infiltrate into storm-water pipes will be mitigated by operation of the groundwater collection and treatment system.

Groundwater criteria will be met through operation of the GCTS combined with the lack of a groundwater pathway to human or ecological receptors. Operation of the GCTS captures a portion of the groundwater plume. Capture combined with the low permeable soil will maintain the plume on-site. As such, groundwater does not pose a threat to human health or the environment. Groundwater is not used in the Site area or the region. Furthermore, impacted groundwater does not discharge to surface water because the plume is contained on-site.

Soil vapor migration/indoor air criteria will be met through operation of the sub-slab depressurization system.

Soil criteria will be met through implementation of a Site Management Plan that will specify requirements for management of impacted soil (i.e., soil with constituents at concentration greater than applicable regulatory limits or guidance values).

2. Purpose

On behalf of Lockheed Martin Corporation (Lockheed Martin), ARCADIS has prepared this CMS for the Solvent Dock Area (Site) at the former Lockheed Martin French Road facility in Utica, New York (see Figure 1). This report is required by the October 3, 2008 NYSDEC "Order on Consent" (the Order) (CO 6-20080321-5). The overall objective of the CMS is to provide data on current Site conditions, provide data for the evaluation of corrective measures, to evaluate the performance of Interim Corrective Measures (ICMs) operating at the Site, and to provide recommendations on corrective measures alternatives.

Attachment 2 of the Order ("Corrective Measures Implementation Plan" or CMIP) defines five Areas of Concern (AOCs) at the Site:

- AOC 1 — Groundwater
- AOC 2 — Soil Vapor Migration/Indoor Air
- AOC 3 — Soil
- AOC 4 — Existing Remedial System (Groundwater Collection and Treatment System)
- AOC 5 — Miscellaneous Tanks

Each AOC was evaluated and the findings and recommendations were incorporated into the CMS. To this end, the following work plans were developed and implemented (as approved by the NYSDEC):

- AOC 1/AOC 3 — *Revised Work Plan for Soil and Groundwater Investigation, April 2008;*
- AOC 2 — *Revised Work Plan for the Interim Corrective Measure, April 2008;*
- AOC 4 — *Work Plan to Evaluate Performance of the Groundwater Collection and Treatment System, October 2008.*

For AOC 5, the Order also required the preparation of a *Tank Status Report* (March 2009) and a CMS.

As defined within the CMIP (Attachment 2 of the Order):

> *"No later than March 15, 2009, Respondent shall submit to the Department for review and approval a corrective measures study (CMS) prepared in accordance with the corrective measures scope of work included as Attachment 5 of this Order. The CMS shall include the results of the investigations described herein and recommendations for corrective measures. Furthermore, with respect to AOC 2, the CMS shall include recommendations for continued operation of the SDS and/or upgrades to the SDS as may be necessary in the context of the final vapor intrusion remedy. With respect to AOC 4, the CMS shall include recommendations for (i) continued operation and maintenance of the GCTS that will keep the system operating at a level equivalent to, or better than, that being achieved under the current operational requirements or (ii) upgrades to the system or (iii) system replacement in the context of a final groundwater remedy. With respect to AOC 5, the CMS will include recommendations for corrective actions as may be necessary to address tank-related impacts. The CMS shall include a monitoring plan that will demonstrate performance of the corrective measure(s) recommended for each AOC."*

This report has been prepared in satisfaction of the requirements set forth in the Order and related attachments.

3. Site Description and History

In the early 1950s, the General Electric Company (GE) acquired approximately 55 acres of undeveloped land on French Road in Utica, New York and constructed a 500,000-square-foot manufacturing facility. Figure 1 presents a Site Location Map. Production operations conducted by GE included manufacturing, assembly, and testing of electrical components for the defense and aerospace industries. GE production operations continued until April 1993, when the facility was acquired by Martin Marietta Corporation (MMC). In March 1995, MMC merged with Lockheed Corporation to form Lockheed Martin Corporation (LMC). In March 1996, LMC sold the property to Pinnacle Park, Inc., which subsequently transferred the property to and leased it back from the Oneida County Industrial Development Agency (OCIDA). ConMed Corporation (ConMed), a medical supplies manufacturer and distributor, now occupies the facility under a lease with OCIDA. Although LMC no longer owns the property, LMC has retained responsibility for environmental cleanup activities related to past releases at the Solvent Dock Area.

Groundwater in the northeast portion of the main manufacturing building (see Figure 2) in an area known as the Solvent Dock, and an area along the former northern perimeter ditch has been adversely affected by volatile organic compounds (VOCs). The former Solvent Dock and immediate vicinity (referred to as the Solvent Dock Area) included a 275-gallon fiberglass overflow retention tank. This tank was used to store spent, waste solvents, which were periodically sampled, pumped from the tank, and disposed of by waste haulers. The tank was removed in June 1990, at which time the tank was observed as dented and leaking fluid. The former northern perimeter ditch (located along the northern property boundary) was an open drainage swale which received storm-water from the area north of the manufacturing building and conveyed the water, along with storm-water from the western portion of the property, to a manhole and eventual discharge to the municipal storm sewer.

Since 1991, GE, MMC, and Lockheed Martin have completed groundwater investigations in these areas. In November 1994, Blasland, Bouck, & Lee, Inc. (BBL) completed an investigation of the facility storm sewer in the Solvent Dock Area. The investigation determined that VOCs detected in the storm sewer were attributable to the discharge of VOC-impacted groundwater into the northern perimeter ditch and infiltration of VOC-impacted groundwater from the Solvent Dock Area into the storm sewer beneath the building.

In May 1995, BBL completed a *Storm Sewer Investigation Report*, which recommended that the impacted portion of the storm sewer flow be collected, treated, and discharged to meet proposed State Pollutant Discharge Elimination System (SPDES) VOC effluent limitations. An evaluation of remedial design alternatives to address the source of VOCs entering the storm sewer that would remediate the impacted groundwater was completed by BBL (in accordance with NYSDEC recommendations). The results of this evaluation were presented in the *Storm Sewer Basis of Design Report* (BBL, 1995).

Based on this report, BBL completed the final design of the *French Road Facility Ground-Water Collection and Treatment System* in October 1995. Construction of the system was completed in June 1996. The system collects groundwater from the Solvent Dock Area and the northern perimeter ditch area; conveys the collected groundwater to a treatment building for removal of VOCs by a low-profile air stripper, and discharges the treated effluent to the municipal storm-water system.

A hydraulic and chemical groundwater-monitoring program to evaluate the effectiveness of the groundwater collection and treatment system (GCTS) for the Solvent Dock Area was developed. This program, as presented in the *Ground-Water Sampling and Analysis Work Plan* (BBL, 1998), has been modified through monthly and quarterly correspondence with the NYSDEC to accommodate the changing conditions over the life of the project.

In response to observed impacts to groundwater at the Site (as described above), Lockheed Martin voluntarily installed and operated the GCTS and initiated an investigation of soil vapor and indoor-air quality. Beginning in 2007, Lockheed Martin and the NYSDEC began developing an Order for the Site, which was finalized on October 3, 2008 (CO 6-20080321-5). The Order identified the AOCs described above in Section 2, and required further investigation and identification of corrective actions for each area. The results of those investigations are included below.

4. Technical Overview and Findings

As required by the Order, remedial investigations were conducted at the Site to evaluate groundwater and soil conditions, the existing remedial system (groundwater collection and treatment system), and the status of miscellaneous tanks at the former production facility. Soil vapor and indoor air quality had been evaluated as part of several investigations documented in previously submitted reports (most recently the

Addendum to the Vapor Intrusion Study Report for the Solvent Dock Area, February 2008, and *Revised Work Plan for the Interim Corrective Measure*, April 2008).

A summary of the evaluations for each AOC appears in Sections 4.1 through 4.6 below.

4.1 Geology and Hydrogeology

This section presents the technical overview and findings for the Site geology and hydrogeology derived from the investigation of soil (AOC 3), groundwater (AOC 1), and the evaluation of the GCTS (AOC 4) conducted by Lockheed Martin pursuant to the Order.

A summary of activities to characterize the geology and hydrogeology and to determine the extent of impacts in soil and groundwater, as described in the *Revised Work Plan for Soil and Groundwater Investigation* (work plan), dated April 8, 2008, is also included below. Characterization data and other information generated from these activities was used to refine the conceptual Site model and support selection of remedial/mitigation measures for soil and groundwater. During the field investigation, ARCADIS submitted two variance letters (dated July 11, 2008 and August 18, 2008) to NYSDEC. These variance letters summarized communications between Lockheed Martin and NYSDEC regarding modifications to the Work Plan. Variances were made based on field observations, as well as an evaluation of the information and data being generated as part of the soil and groundwater investigation.

The following figures, tables, and appendices describe the Site geology and hydrogeology:

- “Facility Map” — Figure 2
- “Investigation Location Plan” — Figure 3
- “Hydrogeologic Cross-Section A-A'” — Figure 4
- “Top of Till Contour Map” — Figure 5
- “Top of Bedrock Contour Map” — Figure 6
- “Groundwater Elevation Map for the Fill and Till” — Figure 7
- “Groundwater Elevation Map for Bedrock” — Figure 8
- “Monitoring Well and Piezometer Construction Details” — Table 1

- "Groundwater Elevation Measurements" — Table 2
- "AOC 1 — Hydraulic Conductivity Results" — Table 8
- "Soil-Boring Logs — Exterior" — Appendix A
- "Soil-Boring Logs — Interior" — Appendix B
- "Monitoring Well and Piezometer Construction Logs" — Appendix C
- "Slug Test Analysis" — Appendix D
- "Laboratory Geotechnical Data" — Appendix E

4.1.1 Technical Overview

Soil samples, rock cores, drilling information, and grain-size tests from the test pit and soil-boring programs were used to define the Site stratigraphy. Groundwater data, including water-level measurements and hydraulic-conductivity testing from the monitoring well and piezometer programs, were used in combination with the Site stratigraphy to define the Site hydrogeology. The newly-installed monitoring wells and piezometers were surveyed to establish the horizontal location and vertical elevation (North American Datum (NAD) 1983 and an on-site benchmark, respectively) of each well and piezometer.

Information from past investigations was also used to develop a more complete understanding of the Site geology and hydrogeology. Figure 3 presents an investigation location plan.

Depth-to-water measurements were collected in all accessible wells and piezometers from the top of the PVC casing. Groundwater elevations were then calculated using the surveyed PVC casing elevations.

In situ hydraulic conductivity tests (slug tests) were performed on the newly-installed monitoring wells. The water column in monitoring well MW-13S (0.2 feet) was inadequate to complete the test. The slug tests were completed after well development and groundwater sampling. Rising- and falling-head tests were conducted in accordance with the Bouwer and Rice method (1976), which involves an instantaneous increase of the water level in the well due to the introduction of a slug and measurement of the rate at which the water level falls back to equilibrium (falling-head test). Upon reaching equilibrium, the slug is removed and the corresponding rising water level is measured until equilibrium is reached (rising-head test). Slug test water level data were recorded using a submersible pressure transducer. The pressure

transducer allows the frequent collection of water level readings in logarithmic intervals during the tests.

Following the completion of the slug tests, the data collected were then analyzed using AQTESOLV, a computer program capable of graphing the water-level data and computing an estimate of hydraulic conductivity near each monitoring well. The slug test analysis is provided in Appendix D. Horizontal hydraulic conductivity results are summarized in Table 8.

In addition to the slug tests conducted at monitoring wells, two falling head tests were completed on piezometers PZ-5 and PZ-8. These tests were conducted to better understand the hydraulic conductivity near the piezometers, which might be used as injection points as part of potential corrective measures. The ability to inject (gravity feed) bioremediation and/or chemical compounds into the subsurface depends greatly on the horizontal hydraulic conductivity near the injection points. The falling head tests were conducted by rapidly filling the piezometer PVC riser pipes with potable water and measuring the drop in water level over time. The results of hydraulic testing are discussed in Section 4.1.3.3.

4.1.2 Geologic Findings

The Site geology, as indicated by samples collected from the soil borings described below and as represented on the geologic cross-section (see Figure 4), consists of the following units:

- Fill (approximately 5 to 10 feet thick) and naturally occurring undifferentiated overburden consisting of silt, sand, and gravel (maximum thickness of 20 feet).
- Till consisting of dense gray-brown silty clay with fine sand and gravel (approximately 20 to 40 feet thick).
- The top of bedrock (Utica Shale) was encountered at depths ranging from approximately 30 feet bgs to 52 feet below ground surface (bgs). The deepest Site boring was advanced to a total depth of 68.5 feet bgs, where the Utica Shale was still present.

The till surface was observed at higher elevations beneath the building footprint compared to elevations outside the building footprint. The till surface deepens in a radial pattern away from the building in the northern, eastern, and southern directions. This may be an artifact of excavation and/or removal of the shallow till at locations

around the perimeter of the building during construction and utility installation activities (during the 1950s).

The bedrock surface dips gently to the south (from the location of MW-13BR toward MW-14BR and MW-15BR). Coincident with the dip of the bedrock surface, the till thickness increases to the south. Figures 5 and 6 display the depth to till and depth to bedrock, respectively.

The borings providing stratigraphic control are located north of the manufacturing building and consist of boring B-1 and boring B-2 both installed near the former Solvent Dock (outside the northeastern corner of the manufacturing building). The geologic units encountered in these borings are as follows:

B-1

- Fill from ground surface to approximately 7 feet bgs.
- Till from approximately 7 to 30 feet bgs.
- Utica Shale bedrock at a depth of approximately 30 feet bgs.

B-2

- Fill from ground surface to approximately 10 feet bgs.
- Till from approximately 10 to 32 feet bgs.
- Utica Shale bedrock at a depth of approximately 32 feet bgs.

Soil borings located south of the manufacturing building consisted of borings MW-14 and MW-15. The geologic units encountered in these borings are as follows:

MW-14

- Undifferentiated overburden from ground surface to approximately 13 feet bgs.
- Till from approximately 13 to 52 feet bgs.
- Utica Shale bedrock at a depth of approximately 52 feet bgs.

MW-15

- Undifferentiated overburden from ground surface to approximately 20 feet bgs.
- Till from approximately 20 to 53 feet bgs.
- Utica Shale bedrock at a depth of approximately 53 bgs.

Rock cores of the Utica Shale bedrock were obtained from monitoring well boreholes MW-13BR, MW-14BR and MW-15BR, with a total core length of 13.3 feet, 15.5 feet and 16.2 feet, respectively. The cores showed few fractures. The recovered pieces of

rock core were measured to determine the rock-quality designation (RQD). RQDs for the three cores ranged from 66% to 100% (near the bottom of the core) at MW-13BR, 84% to 94% at MW-14BR and 44% to 88% at MW-15BR.

The interior-boring program consisted of installing seven borings (IB-1 through IB-7) inside the manufacturing building to a depth of approximately 6 feet below the fill/till interface. Boring locations IB-3, IB-5 and IB-7 were finished as piezometers PZ-8, PZ-9 and PZ-10, respectively. The geologic units encountered in interior borings are as follows:

- Fill (gravel, sand, and silt) from below the concrete slab to approximately 4 to 5 feet bgs. The concrete slab ranged in thickness from 0.5 to 1.3 feet.
- Till from approximately 5 to 11 feet bgs (bottom of deepest boring).

Till was not encountered at the IB-7 (PZ-10) boring location. This boring was in the approximate location of historic solvent tanks that were removed in the 1980s (see Figures 2 and 3). The boring was advanced to 12.3 feet bgs, at which point refusal was encountered. Fill material consisting of sorted gravel and sand, with weathered shale fragments at approximately 10 feet bgs, was observed prior to refusal. Logs of the interior soil borings are provided in Appendix B.

Soil samples from both fill and till were collected for grain-size analysis. The grain-size analysis included sieve, hydrometer, and Atterberg limits tests according to ASTM Methods D1140, D422, and D4318, respectively. The geotechnical results support the field observations and soil descriptions. Geotechnical laboratory data are presented in Appendix E.

Exterior borings completed as part of the GCTS evaluation (identified as PZ-11 through PZ-16) primarily consisted of fill materials. This was anticipated based on their location and proximity to the storm-sewer line as well as their relatively shallow installation depths as compared to other borings completed as part of the soil and groundwater investigation. Logs of the exterior soil borings are provided in Appendix A.

4.1.3 Hydrogeologic Findings

This section discusses groundwater occurrence, water-elevation data, and the results of the hydraulic-conductivity tests with a brief discussion of the influence of subsurface utilities and the groundwater collection and treatment system (GCTS) on groundwater levels.

4.1.3.1 Groundwater Occurrence

Groundwater occurs in the overburden and bedrock. Groundwater in the fill and undifferentiated overburden is unconfined. Water-elevation data and stratigraphic information indicate that groundwater in the till is also unconfined. Groundwater occurs in bedrock under semi-confined conditions. The dense till overlying the bedrock acts as a leaky confining layer. Water is assumed capable of leaking from the overburden through the till unit into the bedrock.

Groundwater exhibits a downward gradient at the Site (based on water levels collected as part of CMS investigation). However, measurements collected from the bedrock wells continue to indicate a slow yet persistent recharge of water in the wells (i.e., water levels in the wells continue to equilibrate to match the potentiometric surface in the bedrock). This indicates that the till provides strong resistance to vertical flow, and that little water is moving through the till into bedrock.

4.1.3.2 Water-Elevation Data

Water-elevation data collected during groundwater sampling rounds (see Section 4.2.1.1) are presented in Table 2. Water-elevation data for the fill, undifferentiated overburden, and till show a complex array of water levels. Overall, the elevation of the water table decreases toward the south. However, water levels measured near the GCTS are depressed in some wells in response to the continued operation of the system. The GCTS consists of a horizontal subsurface drain installed below the water table at a depth of 15 feet bgs. The east-west trending drain is located just north of the manufacturing building, between monitoring wells MW-4/ MW-5 and monitoring wells MW-1/MW-2/MW-3, beneath the loading dock area. A second horizontal subsurface drain is present along the northern property boundary in the Solvent Dock Area at a depth of approximately 6 to 8 feet bgs. Performance of the GCTS, and its effect on groundwater, are discussed more fully in Section 4.5.

Groundwater elevations for the overburden and bedrock in October 2008 are shown on Figures 7 and 8, respectively. The complexity of the groundwater elevations, due to the presence of the GCTS as well as the facility building, utility corridors, and natural conditions, makes contouring groundwater elevations difficult and inconclusive. However, based on the review of current and historical groundwater elevation measurements, as well as a review of regional hydrogeology, groundwater flow within both the overburden and bedrock is toward the south. Operation of the treatment system has controlled the movement of groundwater and modified the direction of

groundwater flow near the former Solvent Dock to a northeasterly direction. Near the storm-sewer line (located beneath the facility footprint and headed eastward toward the catch basins outside the main facility, as shown on Figure 2), the groundwater-elevation and groundwater-quality data suggest the potential for flow along this storm-sewer line in a generally eastward flow direction, although a permeable backfill material was not identified during activities associated with the evaluation of the GCTS (as presented below in Section 4.5). However, the potential for groundwater infiltration into the storm-sewer line beneath the eastern portion of the building remains.

4.1.3.3 Horizontal Hydraulic Conductivity

Hydraulic-conductivity testing (slug tests) was performed on the newly-installed monitoring wells, with the exception of monitoring well MW-13S (due to an inadequate water column). The results of these tests were highly variable, indicating that some results are of suspect accuracy. This variability may be the result of the limited water column present within many of the wells (i.e., the water levels were typically within the screen interval of the wells). Slug tests at monitoring well locations MW-13BR (slug in), MW-14BR (slug in) and MW-15BR (slug in) were determined invalid based on the analysis of the recovery measurements.

Analysis of the slug tests in the undifferentiated overburden indicates a range of hydraulic conductivity values from 0.02 to 12.7 feet per day. Similarly, hydraulic conductivity values within the till range from 0.02 to 6.8 feet per day. The slug tests completed at bedrock wells indicate low (10^{-3} feet per day) hydraulic conductivities. A summary of the horizontal hydraulic-conductivity results is presented in Table 8.

In conjunction with the slug tests, grain-size data were used to estimate hydraulic conductivity (K) based on the Hazen method (Hazen, 1911). This method provides a hydraulic-conductivity value for each of the six soil samples analyzed for grain size. The K values based on grain size may represent a more accurate estimation of hydraulic conductivity, given the variable results from the slug tests. The results using the Hazen method indicates hydraulic conductivities in the range of 0.02 to 0.7 feet per day.

4.2 AOC 1 – Groundwater

This section presents the technical overview and findings for the investigation of AOC 1 conducted by Lockheed Martin pursuant to the Order. The information in this section

derives from the following scope of work, conducted from July 2008 through February 2009:

- Installation and development of monitoring wells and piezometers;
- Groundwater sampling from wells and piezometers; and
- Hydropunch groundwater sampling.

The figures, tables, and appendices related to the investigation of AOC 1 and groundwater quality are as follows:

- "Facility Map" — Figure 2
- "Investigation Location Plan" — Figure 3
- "Hydrogeologic Cross-Section A-A'" — Figure 4
- "Groundwater Elevation Map for the Fill and Till" — Figure 7
- "Groundwater Elevation Map for Bedrock" — Figure 8
- "AOC 1 — CVOC Groundwater Quality" — Figure 9
- "AOC 1 — BTEX Groundwater Quality" — Figure 10
- "AOC 1 — Other VOCs Detected in Groundwater" — Figure 11
- "AOC 1 — Groundwater Quality in the Utica Shale" — Figure 12
- "Monitoring Well and Piezometer Construction Details" — Table 1
- "Groundwater Elevation Measurements" — Table 2
- "Sampling and Analysis Program for Soil and Groundwater" — Table 3
- "AOC 1 — Volatile Organic Compounds in Hydropunch Groundwater Samples" — Table 4
- "AOC 1 — Volatile Organic Compounds in Groundwater Samples" — Table 5
- "AOC 1 — Metals in Groundwater Samples" — Table 6
- "Municipal Water Supply Data" — Table 7
- "Monitoring Well and Piezometer Construction Logs" — Appendix C
- "Laboratory Analytical Data Packages" — Appendix G
- "Groundwater Trend Charts" — Appendix F
- "Historical Data Summary" — Appendix K

The AOC 1 investigation was conducted in accordance with the following documents, pursuant to the Order on Consent:

- *Revised Work Plan for Soil and Groundwater Investigation,* April 2008;
- Changes to the Work Plan via e-mail (July 11, 2008 and August 18, 2008).

4.2.1 AOC 1 – Technical Overview

The monitoring wells and piezometers (listed below) were installed between May and November 2008 and sampled to better define the extent of impacts to groundwater. Table 1 summarizes monitoring well and piezometer construction. Monitoring well and piezometer construction logs are provided in Appendix C. The following new wells and piezometers were installed as part of the AOC 1 investigation:

Exterior Wells

- MW-13S provides information on the quality of groundwater in the fill immediately north of the manufacturing building in the former Solvent Dock.
- MW-13T provides information on the quality of groundwater in the till immediately north of the manufacturing building in the former Solvent Dock.
- MW-13BR provides information on the quality of groundwater in the bedrock immediately north of the manufacturing building in the former Solvent Dock.
- MW-14S and MW-15S provide information on the quality of groundwater in the overburden south of the manufacturing building and downgradient of the former Solvent Dock.
- MW-14BR and MW-15BR provide information on the quality of groundwater in the bedrock south of the manufacturing building and downgradient of the former Solvent Dock.
- HP-1 (hydropunch) provides information on the quality of groundwater along a vertical section of the till north of the manufacturing building in the former Solvent Dock.

Interior Piezometers

- PZ-8 and PZ-9 provide information on the quality of groundwater in the till below the manufacturing building and supplement the existing piezometers previously installed within the facility.

- PZ-10 provides information on the quality of groundwater within the fill at the southern extent of the manufacturing facility footprint.

Exterior Piezometers

PZ-11, PZ-12, PZ-13, PZ-14, PZ-15, and PZ-16 provide information on groundwater quality within the fill unit along the northern side and immediately adjacent to the storm-sewer line as it progresses from the manufacturing building eastward. These locations were installed primarily as part of the evaluation of the GCTS (as discussed in Section 4.5).

4.2.1.1 Groundwater Sampling

Groundwater samples were collected from monitoring wells between July 2008 and August 2008. A second round of groundwater sampling was conducted in October 2008. Groundwater samples were collected from each new piezometer (PZ-8, PZ-9, and PZ-10) and each new monitoring well (MW-13S, MW-13T, MW-13BR, MW-14S, MW-14BR, MW-15S, and MW-15BR), and from select existing monitoring wells and piezometers (monitoring wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-7, MW-9, MW-10, and MW-11 and piezometers PZ-2, PZ-4, and PZ-5). Following the review of data generated by these two sampling events, a third round of groundwater sampling was conducted in February 2009. Select monitoring wells and piezometers (monitoring wells MW-13BR, MW-14BR, MW-15BR, PZ-8 and PZ-9) were identified for sampling as part of this supplemental round.

Additionally, newly installed piezometers PZ-11 and PZ-13 were sampled in November 2008 as part of the GCTS evaluation (further described in Section 4.5). Following review of the data generated as part of the November 2008 sampling event, each of the piezometers installed as part of the GCTS evaluation (PZ-11 through PZ-16) was sampled in December 2008.

Sampling methodology and analytical protocols were consistent with the existing groundwater monitoring program (and in accordance with the existing *Quality Assurance Project Plan*).Groundwater samples were collected using polyethylene disposable bailers with disposable polypropylene rope. Samples were collected after three well volumes were purged. If wells went dry during purging, the water in the wells was allowed to recover before sampling. Groundwater sample bottles were directly filled and immediately packed on ice in laboratory supplied coolers.

Samples were submitted to the laboratory (TestAmerica, Inc. of Amherst, New York) for analysis of volatile organic compounds (VOCs) by the U.S. Environmental Protection Agency (USEPA) Method 8260. Groundwater samples (filtered and unfiltered) from pre-existing monitoring wells MW-1 and MW-10 were also submitted for metals analysis for silver and lead by USEPA Method 6010B, for cyanide by USEPA Method 9012A, and for hexavalent chromium by USEPA Method 7196A. Per the work plan, one of the three newly-installed piezometers within the facility was also scheduled to be sampled for select metals. However, due to poor recharge and lack of available groundwater, only a VOC sample was collected from each of the newly-installed piezometers during both sampling rounds. Additionally, monitoring well MW-13S and piezometer PZ-4 dry (insufficient water column) during the October 2008 sampling event and not sampled. Piezometer PZ-8 was also dry during the February 2009 sampling event, and no sample was collected. Table 3 summarizes the sampling and analysis program for soil and groundwater.

4.2.1.2 Hydropunch Sampling

One hydropunch boring was completed on May 22-23, 2008 north of the manufacturing building in the former Solvent Dock to evaluate groundwater quality at select intervals in the overburden. The intervals selected for sampling were 15-feet, 20-feet, 25-feet and 30-feet bgs. Each of these intervals was within the till. The sample intervals were selected to provide a vertical profile of groundwater quality within the till where the overlying groundwater has been impacted with CVOCs.

The hydropunch boring consisted of a groundwater sampler with a disposable PVC screen with steel drop off tip. This assembly allowed groundwater samples to be collected at multiple depth intervals within the same boring. Groundwater samples collected from the hydropunch boring were submitted to the laboratory (Test America, Inc., of Amherst, New York) for analysis of VOCs by USEPA Method 8260.

4.2.2 AOC 1 – Findings

Groundwater samples were collected from the fill, undifferentiated overburden, till, and bedrock. Groundwater quality was assessed by comparing the analytical results to NYSDEC *Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values* (SGVs). Three groups of VOCs were identified for presentation and plume delineation purposes. The three groups, which are based on the detected VOCs, are as follows:

- CVOCs;
- Benzene, toluene, ethylbenzene and xylenes (collectively referred to as BTEX); and
- Other VOCs, including acetone and MEK (2-butanone).

CVOCs were identified as constituents of concern (COCs) due to the observed historical release from the former Solvent Dock Area 275-gallon overflow retention tank during tank removal (Figure 2). These CVOCs are:

- 1,1-dichloroethane (1,1,-DCA);
- cis-1,2-dichloroethene (cis-1,2-DCE);
- tetrachloroethene (PCE);
- trichloroethene (TCE); and
- vinyl chloride (VC).

These COCs are discussed below.

Select total metals (including lead, silver, and hexavalent chromium) and cyanide were also analyzed for at two monitoring well locations (MW-1 and MW-10; both within the fill/till units of the Site). Groundwater analytical data results are provided in Tables 4 through 6. Groundwater analytical data results are displayed in Figures 9 through 12. Groundwater trend charts are provided in Appendix F.

4.2.2.1 Undifferentiated Overburden and Fill

Monitoring wells MW-13S, MW-14S, and MW-15S, and piezometer PZ-10 were installed into the undifferentiated overburden and/or fill. Samples from these wells and piezometer represent groundwater quality in the surficial-water-bearing unit. Additionally, piezometers PZ-11 through PZ-16 (installed as part of the GCTS evaluation) are screened solely within the fill unit.

Most of the pre-existing monitoring wells were installed with their screens across the fill and/or the undifferentiated overburden) and the till units. For this report, however, wells screened both within the fill and till units are discussed below under the heading of undifferentiated overburden and fill. These wells include monitoring wells MW-1, MW-2,

MW-3, MW-4, MW-5, MW-6, MW-7, MW-9 and MW-10, and piezometers PZ-2, PZ-4, PZ-5, PZ-6 and PZ-7.

CVOCs

CVOCs were detected at concentrations greater than SGVs in groundwater samples from piezometers PZ-11, PZ-12, PZ-13, PZ-15 and PZ-16 (associated with the GCTS evaluation). CVOCs were not detected greater than SGVs in any other wells or piezometers screened exclusively in the undifferentiated overburden or fill.

CVOCs were also not detected at concentrations greater than SGVs in groundwater samples from fill/till wells MW-5, MW-7, MW-11 and piezometers PZ-2, PZ-4, PZ-7 and PZ-14.

One or more of the COCs were detected in groundwater samples at concentrations greater than SGVs at piezometers PZ-5 and PZ-6, and monitoring wells MW-1, MW-2, MW-3, MW-4, MW-9, and MW-10 during at least one of the groundwater sampling events.

BTEX

BTEX was not detected at concentrations greater than SGVs in groundwater samples from wells screened exclusively in the undifferentiated overburden or fill. BTEX was also not detected at concentrations greater than SGVs in any of the groundwater samples from wells screened across the fill and till units, with the exception of piezometer PZ-5. Ethylbenzene and xylenes were detected at piezometer PZ-5 at concentrations greater than SGVs during the July/August 2008 sampling event. Both of these compounds, however, were below the SGVs during the October 2008 sampling event.

Other VOCs

Other VOCs were not detected at concentrations greater than SGVs in groundwater samples from wells screened exclusively in the undifferentiated overburden or fill.

Nor were other VOCs detected at concentrations greater than SGVs in any of the groundwater samples from fill/till wells.

Based on the data collected (see Figures 9 through 11), the groundwater-contaminant plume is isolated to the northeastern portion of the facility building, located primarily below the building footprint. This interpretation of the extent of groundwater contamination is consistent with that previously defined in historical reports for the Site, including previously submitted quarterly and annual monitoring reports.

Based on several years of data, this plume does not appear to be migrating, and though COC concentrations have decreased, the plume has remained of the same general aerial extent since monitoring began in 1996. However, in the immediate vicinity of the storm-sewer line (located beneath the facility footprint and headed eastward towards the catch basins located exterior to the main facility), the groundwater elevation and groundwater quality data suggest the potential for flow along this storm-sewer line in a generally eastward flow direction, although a permeable backfill material was not identified during activities associated with the evaluation of the GCTS (discussed in Section 4.5). The potential for infiltration of groundwater into the storm-sewer line beneath the eastern portion of the building, however, remains.

Analytical data trend charts for several of the piezometer and monitoring well groundwater samples indicate a decrease in COC concentrations since 1996 (as shown in Appendix F, as well as on the summary data figure included as Appendix K). Although the GCTS has been considered an interim remedial measure at the Site, the data support that a steady remediation of the groundwater plume has been occurring.

Select Metals and Cyanide

Select metals (lead, silver, and hexavalent chromium) and cyanide were analyzed for monitoring wells MW-1 and MW-10 during the July/August 2008 and October 2008 sampling events. None of these constituents were detected above laboratory detection limits at either well, with the exception of lead at monitoring well MW-10 during the October 2008 sampling (0.0094 mg/L) (well below the 0.025 mg/L SGV for lead).

4.2.2.2 Till Unit

As mentioned earlier, most of the pre-existing monitoring wells were installed with some portion of their screen in the fill and the remainder in the underlying till unit. These wells were included in the discussion of the fill unit wells. However, several wells were installed to be screened solely within the shallow till unit. These include monitoring well MW-13T, and piezometers PZ-8 and PZ-9. The groundwater quality in

the till unit is presented in Figures 9 through 11, together with the groundwater data for the undifferentiated overburden and fill.

Groundwater samples were also collected from a single location north of the manufacturing building (see Figure 3) using the Hydropunch method, discussed in Section 4.2.1.2. Hydropunch groundwater samples were all collected within the till unit. Samples were collected at depths of 15, 20, 25, and 30-feet bgs. Data from the Hydropunch sampling indicates the presence of VOCs above SGVs in the 15-feet and 20-feet bgs samples (collected within the shallow till unit). Samples collected within the deeper till (25-feet and 30-feet bgs) do not exhibit concentrations of VOCs above SGVs.

CVOCs

CVOCs were not detected at concentrations greater than SGVs in groundwater samples from wells screened exclusively in the till, with the exception of COCs detected in piezometer PZ-8 and monitoring well MW-13T. The detections of 1,1-DCA and VC above SGVs in monitoring well MW-13T during the July 2008 sampling event decreased to below laboratory detection limits in the October 2008 data set.

CVOCs detected in the Hydropunch samples above SGVs were identical to those observed in groundwater at the Site. COCs above SGVs were noted only in the 15-foot bgs and 20-foot bgs groundwater samples.

BTEX

BTEX were not detected above SGVs in any of the monitoring well, piezometer, or Hydropunch groundwater samples.

Other VOCs

Other VOCs were not detected at concentrations greater than SGVs in groundwater samples from piezometer PZ-7 or monitoring well MW-13T.

Acetone was detected above SGV at piezometer PZ-8 during the July/August 2008 sampling event (770 μg/L). Subsequent sampling events indicated decreased acetone concentrations to below the SGV (37 μg/L in October 2008; this location was dry and not sampled during the February 2009 sampling event). Acetone was also the only constituent detected above its SGV at piezometer location PZ-9 in July/August 2008

(150 μg/L). In both October 2008 and February 2009, acetone concentrations in PZ-9 were below the SVG at concentrations of 6.9 μg/L and 6.3 μg/L, respectively. Because concentrations of acetone have decreased to below the SGV at each location within the till unit, acetone will not be carried forward as a COC for the Site.

Methylene chloride was detected slightly above its SGV in piezometer in PZ-9 (8.6 μg/L) in February 2009. This was the only detection of this constituent above SGV. Since the slight exceedance of methylene chloride is an isolated case at PZ-9, the compound methylene chloride will not be carried forward as a COC for the Site.

Other VOCs were not detected above SGVs in any of the Hydropunch groundwater samples.

4.2.2.3 Utica Shale Bedrock

Three monitoring wells (MW-13BR, MW-14BR and MW-15BR) were completed in bedrock at the Site as part of the soils and groundwater investigation.

CVOCs

CVOCs were not detected at concentrations greater than SGVs in groundwater samples from wells screened exclusively in the bedrock.

BTEX

BTEX was not detected at concentrations greater than SGVs in groundwater samples from wells screened exclusively in the bedrock.

Other VOCs

Other VOCs were not detected above the SGVs in groundwater from the MW-13BR location.

Acetone was detected at a concentration of 2,100 μg/L in the groundwater sample from monitoring well MW-14BR during the July/August 2008 sampling, above the SGV of 50 μg/L. This concentration decreased to 380 μg/L during the October 2008 sampling, although continuing to be above the SGV for acetone. In February 2009, the well was sampled again, indicating an acetone concentration of 25 μg/L (below the SGV).

The low levels of acetone at bedrock monitoring-well locations MW-13BR (< 25 μg/L during the July/August 2008 sampling event, < 5 μg/L during the October 2008 sampling, and 3.8 J μg/L during the February 2009 sampling) and MW-15BR (6.0 J μg/L, 5.8 μg/L, and 7.2 μg/L, during the July/August 2008, October 2008, and February 2009 sampling, respectively) indicate that acetone is not a contaminant of concern with the bedrock unit throughout the Site. As such, and because concentrations of acetone have decreased to below the SGV at each location within the bedrock unit, acetone will not be carried forward as a COC for the Site.

Chloroform was detected at monitoring well MW-14BR at concentrations of 14 J μg/L (in July 2008) and 7.5 μg/L (in October 2008) above its SGV. Chloroform concentrations decreased below the SGV concentration of 3.3 μg/L in the February 2009 sampling.

Chloroform was also detected above its SGV in monitoring well MW-15BR during sampling in July/August 2008 (11 μg/L). MW-15BR groundwater samples from both the October 2008 (5.4 μg/L) and February 2009 (1.1 μg/L) sampling events were below the SGV.

Since chloroform is a common additive to municipal water supplies, a representative sample of municipal water was collected in February 2009 from the faucet located within the GCTS building. Municipal water was used during the bedrock coring of wells MW-13 BR, MW-14BR and MW-15BR. Well development efforts were likely unable to remove all municipal water introduced into the bedrock during drilling, thus, elevated levels of chloroform do not necessarily indicate contamination originating on-site. The results of the municipal water (see Table 7) report a concentration of 63 μg/L above the SGV of 7 μg/L. The presence of chloroform at these locations is unrelated to the Site, but rather may be an artifact of the drilling process used to install these locations (introduction of municipal water during bedrock drilling).

4.2.3 AOC 1 – Exposure Pathway Assessment

Under current conditions, no potential human receptors exist, as no complete exposure pathways are associated with Site groundwater, except for on-site utility and construction workers. Groundwater is not used for drinking, commercial, agricultural or industrial use at or in the general vicinity of the Site, nor are such uses planned. The City of Utica and Town of New Hartford obtain their drinking water from surface water sources (i.e., Hinckley Reservoir), more than 20 miles north of the Site. According to local and county agencies, use of groundwater for any purpose would have to be

cleared by one or more agencies (including the County Department of Health, Mohawk Valley Water Authority, and local engineering departments). Complete exposure pathways for construction and utility workers include dermal contact with subsurface soil and groundwater, incidental ingestion of subsurface soil, and inhalation of vapors and particulates derived from subsurface soil.

Under future exposure scenarios, potential human receptors include on-site construction workers and on-site utility workers. Complete exposure pathways for construction and utility workers include dermal contact with subsurface soil and groundwater, incidental ingestion of groundwater, and inhalation of vapors and particulates derived from subsurface soil.

Groundwater is also the apparent source of impacts to soil-vapor located beneath the concrete slab of the building in the northeast corner of the manufacturing building. The potential of a complete human-exposure pathway (i.e., facility workers) is therefore present, based on measured concentrations of TCE in sub-slab soil gas. Soil vapor migration and indoor air are discussed in further detail in Section 4.3.

4.3 AOC 2 - Soil Vapor Migration and Indoor Air

This section presents the technical overview and findings for the evaluation of AOC 2 conducted by Lockheed Martin pursuant to the Order on Consent. The information in this section derives from the following scope of work which conducted from November 2007 through February 2009.

- Installation and operation of the interim corrective measure (ICM): sub-slab depressurization system (SSDS)

The figures, tables, and appendices associated with the investigation of AOC 2 and soil-vapor migration and indoor air-quality are:

- “AOC 2 - Sub-Slab Depressurization System Layout” – Figure 13.
- “AOC 2 – Sub-Slab Depressurization System Performance Data” – Table 9.
- “Vapor Sample Data Charts” – Appendix H.

The installation and operation of the SSDS for AOC 2 were conducted in accordance with the *Revised Work Plan for the Interim Corrective Measure* (April 2008).

4.3.1 AOC 2 – Technical Overview

Multiple rounds of sub-slab soil gas and indoor air-sampling were completed as part of Site investigations (2006 through 2008, as previously submitted to the NYSDEC). More recently, ARCADIS submitted the *Addendum to the Vapor Intrusion Study Report for the Solvent Dock Area* (ARCADIS 2008), summarizing previous investigations and providing data indicating that measured concentrations of TCE in sub-slab soil gas and indoor air along the eastern/northeastern side of the facility warranted mitigation per the *Final – Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (New York State Department of Health (NYSDOH) 2006). A sub-slab depressurization system (SSDS) was proposed to mitigate these impacts (as presented in the *Revised Work Plan for the Interim Corrective Measure*).

The intent of the SSDS is to initially vent the sub-slab in the identified Solvent Dock impacted areas. The primary operational objective of the SSDS is to create a negative pressure below the building slab relative to the pressure above the slab, thus mitigating the potential migration (intrusion) of vapors into the building. Upon establishment of an effective negative gradient across the concrete slab of the building, soil vapors from the vadose zone beneath the slab will be actively removed from the subsurface through the use of a blower, associated depressurization sumps, and piping network, with subsequent treatment via vapor-phase granular activated-carbon (VPGAC), and final dispersion discharge to the atmosphere.

This system was installed and pilot tested in November 2007 (as presented within the *Revised Work Plan for the Interim Corrective Measure*). Following the pilot test and data evaluation, the system was expanded and modified, and began full operations on July 17, 2008. As defined in the work plan referenced, the system was operated and evaluated during an initial 90-day period to confirm that system performance goals were being met. The results of this initial start-up period are presented below. (*Note: although the next section describes data generated as part of the initial 90-day period, the system has remained in operation at the Site.)*

The primary goal of the SSDS is to establish a negative gradient across the slab and prevent potential vapor intrusion into the building. This is achieved by the vacuum extraction of vapor at three sumps (identified as SDS-1, SDS-2 and SDS-3). The influence of the extraction is measured at vapor monitoring points (VMPs) installed at varying distances from each of the SDS sumps (designated as VMP-1A, 1B, and 1C for SDS-1; VMP-2A, 2B, and 2C for SDS-2; and, VMP-3A, 3B, 3C, 3D, and 3E for SDS-3).

At each of the SDS sumps, vapor has been extracted at rates ranging from 23 to 313 cubic feet per minute (cfm) during the initial 90-day startup period. These extraction rates have produced a negative pressure gradient below the concrete slab, as indicated by negative readings at each of the VMPs as compared to positive readings at each VMP collected during static (pre-operational) conditions. Measurements at the VMPs during the 90-day startup period are provided below.

SDS-1

- VMP-1A — +0.039 to -0.032 inches of water column (in. WC)
- VMP-1B — +0.019 to -0.102 in. WC
- VMP-1C — +0.029 to -0.063 in. WC

SDS-2

- VMP-2A — +0.027 to -1.282 in. WC
- VMP-2B — +0.032 to -3.497 in. WC
- VMP-2C — +0.028 to -3.046 in. WC

SDS-3

- VMP-3A — +0.022 to -0.003 in. WC
- VMP-3B — -0.017 to -0.058 in. WC
- VMP-3C — -0.003 to -0.043 in. WC
- VMP-3D — -0.009 to -0.053 in. WC
- VMP-3E — +0.023 to -0.006 in. WC
- VMP-3E —+0.023 to -0.006 in. WC

During the two most recent monitoring events (October and November 2008), all VMPs exhibited a negative pressure greater than -0.004 in. WC, the Site-specific performance criteria as proposed within the draft *Operation, Maintenance and Monitoring Plan for the SSDS* (to be submitted for review and approval by the NYSDEC and NYSDOH as part of the Corrective Measures for AOC 2). The two exceptions were VMP-3A (which indicated a negative pressure of -0.003 in. WC in both the October and November 2008 monitoring events) and VMP-1A (which indicated neither a negative or positive pressure in November 2008). Although these specific

measurements did not achieve the performance criteria of -0.004 in. WC, they do indicate a negative pressure gradient at those locations when compared to higher (positive) pressure during static conditions. As is common with the successful implementation of vapor depressurization systems, building features (such as footers, foundation walls, utility corridors, etc.), as well as atmospheric pressures and heating, ventilating, and air conditioning (HVAC) operations, may impede or restrict the effects of applying vacuum to sub-slab environments. The continued ability to operate the SSDS and fully mitigate areas of known VOC contributions to sub-slab vapor will be addressed as part of enhancements to the ICM (presented below in Section 4.5).

Analytical samples collected at each of the SDS wellheads indicate that concentrations of key COCs in soil gas (including TCE, DCE, and MEK) have persisted at variable concentrations since operation of the SSDS began. This was anticipated, as the system is designed to mitigate vapors (rather than reduce concentrations). The continued generation of soil vapor from impacted groundwater is anticipated until constituent levels within the soil-vapor source (e.g., groundwater and/or soil) decrease to desired concentrations.

Effluent VOC-concentrations (post-carbon treatment) coupled with maximum effluent flow rates identify calculated concentrations below regulatory compliance levels (air discharge limitations per NYSDEC DAR-1, December 22, 2003). As such, vapor treatment on the SSDS effluent-stream is not required. However, effluent treatment of the vapor stream has continued during the initial and longer-term operation of the SSDS. Analytical vapor-sampling results are presented in vapor-sample data charts in Appendix H.

4.3.2 AOC 2 – Exposure Pathway Assessment

The vapor-intrusion exposure pathway (groundwater to soil gas) potentially exists for several constituents including TCE and PCE. Dissolved-phase concentrations of these constituents in groundwater are sufficient to produce the concentrations measured in sub-slab soil gas. Although these constituents were measured in soil gas at concentrations greater than conservative background levels for indoor air, they are not expected to cause unacceptable adverse human-health effects, given the levels at which these constituents are currently measured in indoor air inside the building. In addition, the conservative indoor-air background concentrations typically measured inside commercial buildings and used for comparison as part of previous soil vapor intrusion investigations are orders of magnitude lower than health-based concentrations used for occupational settings.

4.3.2.1 Off-Site Migration

The potential for off-site migration of soil gas was assessed (see *Addendum to the Vapor Intrusion Study Report for the Solvent Dock Area (VI Addendum)*. Sub-slab soil gas samples and indoor air samples were collected in three out-buildings located north of the manufacturing building (identified, from east to west, as the Guard House, Pole Barn, and Maintenance Stock Room). No sub-slab soil-gas sample could be collected from the Pole Barn location due to a shallow presence of groundwater. Sampling data generated as part of the VI Addendum concluded that soil gas at these locations did not require mitigation. After further review of the data, Site hydrogeology and subsurface utilities, and the NYSDOH matrix, the exposure pathway for off-site migration of sub-slab soil gas is incomplete. This conclusion is based on the following findings:

- Guard House – no exceedances of NYSDOH indoor-air guidelines or NYSDOH SVI guidance triggers based on sub-slab vapor concentrations were noted.

- Maintenance Stock Room – no exceedance of NYSDOH indoor-air guidelines or triggers based on sub-slab vapor concentrations were noted.

- Pole Barn – TCE exceeds NYSDOH indoor guidelines *(Note: no sub-slab sample was collected due to a shallow groundwater table at this location).*

- However,
    - Many chemicals were identified as being stored within the Pole Barn (although the chemical inventory did not indicate TCE or methylene chloride in this space, they have been noted in other areas of the facility);
    - The building is unoccupied and used mainly for storage;
    - The building is constructed as slab on grade, with no confinement of sub-slab soil vapor (should it be present); and,
    - Based on the neighboring buildings' soil gas quality (e.g., Guard House and Maintenance Stock Room), vapor intrusion does not appear to be of concern at this location.

- Subsurface utilities are pervasive at the Site (including storm and sanitary sewer, water, gas, electric, fire suppression system, and remedial system trenches). However, the absence of observed impacts at the northern perimeter buildings indicates that utilities with common line systems to both the

manufacturing building and the northern buildings (such as gas, electric, water and remedial piping) are not a conduit for the soil-gas migration from the Solvent Dock Area.

- The highly compact nature of the till unit at the Site, as well as the poorly sorted (well graded) nature of the fill, does not support a favorable mechanism for the migration of soil gas from the Solvent Dock Area.

These conditions suggest that the migration of soil gas from the Solvent Dock Area is unlikely, and future soil-gas mitigation efforts should focus primarily on the manufacturing facility building.

4.4 AOC 3 – Soil

The investigation of AOC 3 as defined in Attachment 2 to the Order (Corrective Measures Implementation Plan) is described below. The information in this section derives from the following scope of work conducted from May through July 2008:

- Completion of soil borings on the interior and exterior of the manufacturing building; and
- Completion of test pits immediately to the north of the manufacturing building (at the Solvent Dock Area).

The figures, tables, and appendices that provide information on the investigation of AOC 3 and soil quality are as follows:

- “Facility Map” — Figure 2;
- “Investigation Location Plan” — Figure 3;
- “Hydrogeologic Cross-Section A-A” — Figure 4;
- “AOC 3 — Volatile Organic Compounds in Soil Samples from Test Pits” — Table 10;
- “AOC 3 — PCBs and Metals in Soil Samples from Test Pits” — Table 11;
- “AOC 3 — TCLP results for Soil Samples from Test Pits” — Table 12;
- “AOC 3 — Volatile Organic Compounds in Soil Samples from Exterior Borings” — Table 13;
- “AOC 3 — PCBs and Metals in Soil Samples from Exterior Borings” — Table 14;

- "AOC 3 — Volatile Organic Compounds in Soil Samples from Interior Borings" — Table 15;
- "Soil Boring Logs — Exterior" — Appendix A;
- "Soil Boring Logs — Interior" — Appendix B; and
- "Laboratory Analytical Data" — Appendix G.

The AOC 3 investigation was conducted in accordance with the following documents that were prepared pursuant to the Order:

- *Revised Work Plan for Soil and Groundwater Investigation*, April 2008; and
- Changes to the work plan (correspondence July 11, 2008 and August 18, 2008).

4.4.1 AOC 3 - Technical Overview

Soil samples, rock cores, drilling information, and grain size tests from the test pit and soil-boring programs were used to define the Site stratigraphy. Information from past investigations was also used to develop a more complete understanding of the Site geology and hydrogeology.

Test pits and soil borings were completed and sampled in April through July 2008 to better define the extent of impacts to soil. Soil-boring and test-pit logs are provided in Appendices A and B and soil-boring and test-pit locations are shown on Figure 3. AOC 3 test pits and soil borings completed as part of the investigation include:

Test Pits

- Test pits TP-1, TP-2, and TP-3 were completed immediately north of the northeastern corner of the manufacturing building, in the area of the former Solvent Dock.

- Test pits TP-4 and TP-5 were completed along the storm-sewer line as it extends from the manufacturing building eastward. These locations were installed as part of the evaluation of the GCTS (as noted in Section 4.5).

Exterior Soil Borings

- Boring B-1 was installed north of the facility building as a stratigraphic control boring, and advanced to the till/bedrock interface.

- Boring B-2 was installed as a stratigraphic control boring north of the facility near the former 275-gallon overflow retention tank and advanced to approximately 15-feet into bedrock. Boring B-2 was converted in monitoring well MW-13BR.

- Monitoring well boreholes MW-14BR and MW-15BR provide information on the quality of soil to the south of the manufacturing building and downgradient of the former Solvent Dock.

Interior Borings

- Borings IB-1, IB-2, IB-3 (PZ-8), IB-4, IB-5 (PZ-9), IB-6 and IB-7 (PZ-10) were placed in a grid pattern to provide information on the quality of soil beneath the eastern portion of the manufacturing building.

4.4.1.1 Test Pit Investigation

A test-pit investigation was conducted in April 2008 to assist with soil characterization at the Solvent Dock Area, evaluate disposal options (should source material be encountered), and to help develop remedial alternatives for the Site. Although only two test pits were proposed within the work plan, an additional location was added during field activities. Test-pit logs are included in Appendix A.

Soils were visually described for composition, texture, and moisture according to the Unified Soil Classification System (USCS) as described in ASTM D2488-8 and were screened for the presence of volatile organic vapors using a photo-ionization detector (PID). PID readings were not measured above ambient air (i.e. background) concentrations (PID readings are included on the test pit logs in Appendix A). No physical evidence of impacts, such as staining, odors, or free product, were observed in any of the three test pits. Therefore, grab soil samples were collected from the interval just above the inferred water table (approximately 7 feet below grade), in accordance with the work plan.

A composite soil-sample representative of the stratigraphy from ground surface to the termination depth of Test Pit 1 was also collected. This composite sample was analyzed for waste characterization parameters. Tables 10 through 12 summarize the test-pit soil analytical results.

4.4.1.2 Exterior Soil Boring and Monitoring Well Installations

Soil-boring installations at the exterior of the manufacturing building were completed between May and July 2008. This investigation includes two stratigraphic borings (identified as borings B-1 and B-2), and the installation of three monitoring-well clusters (MW-13, MW-14, and MW-15). The B-2 boring location was converted to the bedrock well for the MW-13 monitoring-well cluster (MW-13BR).

Drilling was conducted initially using Geoprobe™ drilling techniques. Refusal was encountered at locations B-1 and B-2 at approximately 8 to 9 feet, at which time the drilling method was switched to hollow-stem auger and then mud rotary-drilling techniques (to achieve greater boring depth). Soil samples for lithologic characterization were collected in accordance with the work plan.

Each of the remaining bedrock monitoring well boreholes was likewise installed 15 feet below the till/bedrock interface (MW-14BR and MW-15BR).

Following the completion of the soil borings and bedrock monitoring-well boreholes, and upon receipt and review of soil analytical data from each boring (as further described below), ARCADIS and Lockheed Martin consulted with the NYSDEC on the construction (i.e., screened interval) of the proposed overburden monitoring wells at the Site. As proposed in the work plan, absent observed impacts (visual or laboratory analytical data), the need for installation of monitoring wells within the till unit would be evaluated. As such, proposed till unit monitoring wells at the downgradient MW-14 and MW-15 locations were eliminated from the program. A shallow (fill) well (MW-13S) and a well within the till unit (MW-13T) were completed at the MW-13 monitoring well cluster. Shallow (undifferentiated overburden) wells were installed at the MW-14 and MW-15 cluster locations (MW-14S and MW-15S, respectively).

For each boring/monitoring well location, soils were visually described for composition, texture and moisture according to the USCS as described in ASTM D2488-8 and were screened for the presence of volatile organic vapors using a PID. PID readings greater than background were not measured in any soil samples from these borings.

Soil samples were collected and submitted for laboratory analysis for “Target Compound List” VOCs by USEPA Method 8260 to TestAmerica Laboratories. Samples at each boring location were taken from (i) the interval immediately above the till/fill interface, (ii) at an interval within the till unit, and (iii) at an interval immediately

above the till/bedrock interface (as defined within the July 11, 2008 variance letter to the NYSDEC).

At the two stratigraphic-control boring locations (B-1 and B-2/MW-13BR), soil samples were also submitted for laboratory analysis of polychlorinated biphenyls (PCBs) by USEPA Method 8082, for silver and lead by USEPA Method 6010B, for cyanide by USEPA Method 9021A, and for hexavalent chromium by USEPA Method 7196A to TestAmerica Laboratories. These samples were collected from the upper fill or undifferentiated overburden unit (based on whichever was present above the till).

The newly-installed wells were surveyed in August 2008 using Global Positioning System (GPS) technology by Thew Associates, PE-LS, PLLC of Utica, New York. The horizontal and vertical elevations (to NAD 1983 and a Site-specific benchmark, respectively) of the monitoring wells installed during the investigation were tied into the previous survey (completed as part of historical field activities) relative to the National Geodetic Vertical Datum (NGVD) to an accuracy of 0.01 feet. The water level measurement reference-mark on the top of the riser casing in each well was surveyed, as well as the ground-surface adjacent to each monitoring well.

4.4.1.3 Interior Soil Boring and Piezometer Installations

Soil borings inside the facility were completed in July 2008. This portion of the investigation included the completion of seven borings (IB-1 through IB-7). Three of these locations (IB-3, IB-5 and IB-7) were converted to piezometers (PZ-8, PZ-9, and PZ-10) as part of the groundwater investigation and the remaining four (IB-1, IB-2, IB-4 and IB-6) were abandoned following sampling and analyses.

The interior building drilling was conducted using a hydraulically driven drill rig using the mud-rotary technique. Continuous split-spoon soil samples were collected at each boring location. Each of the seven borings was installed to a depth of approximately 6 feet below the fill/till interface. At boring location IB-7 (PZ-10), till was not encountered; therefore, the boring was extended until refusal.

For each boring/piezometer location, soils were visually described for composition, texture, and moisture according to the USCS as described in ASTM D2488-8 and were screened for the presence of volatile organic vapors using a PID. PID readings greater than background were not measured in any soil samples from these borings.

Soil samples were submitted for chemical analysis for “Target Compound List” VOCs by USEPA Method 8260. Two samples were taken from each boring: one from the fill/till unit interface, and the other from within the till unit near the bottom of each boring.

4.4.2 AOC 3 - Findings

Analytical results for soils were assessed as compared to NYSDEC Restricted Use – Industrial Soil Cleanup Objectives (SCOs) set forth at 6 NYCRR Part 375. Test-pit analytical results for waste characterization were evaluated by comparison to EPA Toxicity Characteristic Regulated Levels (40 CFR Part 261.20).

4.4.2.1 Test Pits

VOCs

VOCs were not detected at concentrations exceeding the NYSDEC Restricted Use - Industrial SCOs set forth at 6 NYCRR Part 375 in any soil samples collected from the test pits.

PCBs

PCBs were not detected at concentrations exceeding the NYSDEC Restricted Use - Industrial SCOs set forth at 6 NYCRR Part 375 in any soil samples collected from the test pits.

Metals

Metals were not detected at concentrations exceeding the NYSDEC Restricted Use - Industrial SCOs set forth at 6 NYCRR Part 375 in any soil samples collected from the test pits.

Waste Characterization

The results for the waste characterization analysis parameters indicate that none of the samples collected for waste characterization exceeded their applicable EPA regulated levels.

4.4.2.2 Exterior Soil Borings

VOCs

VOCs were not detected at concentrations greater than the Restricted Use – Industrial SCOs in any of the soil samples from the exterior borings.

PCBs

PCBs were not detected at concentrations greater than the Restricted Use – Industrial SCOs.

Metals

Metals were not detected at concentrations greater than the Restricted Use – Industrial SCOs.

4.4.2.3 Interior Soil Borings

VOCs

VOCs were not detected at concentrations greater than the Restricted Use – Industrial SCOs in any of the soil samples from the interior borings.

4.4.3 AOC 3 - Exposure Pathway Assessment

None of the soils tested during this subsurface investigation exceeded the applicable standards. Under current conditions, no potential human receptors exist, as no complete exposure pathway associated with Site soils has been identified, with the exception of on-site construction and utility workers. The area investigated is primarily covered by the facility building, concrete walkways, or asphalt paving. The presence of a grass-covered top soil layer limits human exposure to any subsurface soils. Complete exposure pathways for construction and utility workers include dermal contact with subsurface soil and groundwater, incidental ingestion of subsurface soil, and inhalation of vapors and particulates from subsurface soil.

Under future exposure scenarios, potential human receptors include on-site construction workers and on-site utility workers. Complete exposure pathways for construction and utility workers include dermal contact with subsurface soil and groundwater, incidental ingestion of subsurface soil, and inhalation of vapors and particulates derived from subsurface soil.

4.5 AOC 4 – Existing Remedial System (Groundwater Collection and Treatment System)

This section presents the technical overview and findings for the evaluation of AOC 4 conducted by Lockheed Martin pursuant to the Order. The information in this section derives from the following scope of work conducted from November 2008 through February 2009:

- Storm-water pipe bedding investigation
- Installation and monitoring of piezometers
- Water-level monitoring during system shut down and system operations
- Storm-water sampling

Figures, tables, and appendices evaluating AOC 4 include:

- AOC 4 — “Schematic of the GCTS and Storm-Water Drainage System” — Figure 14;
- AOC 4 — “Plan and Profile of CB-1 and CB-2” — Figure 15;
- AOC 4 — “Plan and Profile of MH-1 Under-Drain” — Figure 16;
- AOC 4 — “Plan and Profile of MH-2 Under-Drain” — Figure 17;
- AOC 4 — “CVOC Groundwater Quality in the Area of CB-1 and CB-2” — Figure 18;
- AOC 4 — “Continuous Water-Level Monitoring Graph for the GCTS” — Figure 19;
- AOC 4 — “Manual Water-Level Monitoring Graph for the GCTS” — Figure 20;
- AOC 4 — “Water Quality Results for MH-1, MH-2, CB-1, CB-2, CB-3 and MH-7A” — Figure 21;
- AOC 4 — “Water Quality Sample Results from Catch Basins” – Table 16;
- AOC 4 — “Sample Results of Influent Water from Manholes to the GCTS, 2000 to 2009” — Table 17;
- AOC 4 — “Summary of Groundwater Sample Results from Bedding Investigation” — Table 18.

The AOC 4 investigation was conducted in accordance with the following documents prepared pursuant to the Order on Consent:

- *Work Plan to Evaluate Performance of the Groundwater Collection and Treatment System*, October 2008. This work plan includes by reference the *Work Plan for Storm Sewer Bedding Investigation* (August 2006).
- Changes to the work plan via e-mail (dated December 31, 2008)

4.5.1 AOC 4 – Technical Overview

As defined within the *Work Plan to Evaluate Performance of the Groundwater Collection and Treatment System*, October 2008, dated October 21, 2008, the effectiveness of the existing GCTS was evaluated.

The GCTS has been in operation since 1996. It was installed as an ICM in response to the detection of VOCs in storm-water attributed to the discharge of VOC-impacted groundwater into the former northern perimeter ditch and infiltration of VOC-impacted groundwater into the storm-water pipe beneath the manufacturing building. The GCTS collects groundwater from two under-drains and conveys it to a treatment building for VOC removal by a low-profile air stripper. Treated groundwater is discharged to the municipal storm-water system in compliance with the SPDES permit (No. NY0121894).

The purpose of the ICM is to control the apparent infiltration of groundwater into an east-west trending storm-water pipe located beneath the 400,000 square foot manufacturing building. The primary function of the pipe is to convey storm-water from approximately 12 roof drains servicing the northern half of the manufacturing building. The storm-water pipe also receives contributions from water fountains and air conditioning condensate. Water in the storm-water pipe drains eastward and discharges to a north-south trending public storm-water sewer servicing other areas of the facility and off-site areas. Water in the public storm-water sewer discharges southward into Nail Creek, approximately 1,500 feet downstream of the facility.

Previous facility investigations (conducted by other parties) indicate that groundwater impacted with CVOCs infiltrated into the storm-water pipe beneath the manufacturing building. In response, NYSDEC required implementation of an ICM to control groundwater infiltration.

The GCTS was designed to lower groundwater elevations near the existing storm-water pipe, thus controlling infiltration of groundwater to the pipe.

The GCTS consists of a horizontal subsurface drain installed below the groundwater table in the Solvent Dock Area (currently the loading dock area). The drain runs parallel to, and is located hydraulically upgradient of the storm-water pipe. The drain flows to a groundwater collection sump (MH-2) located in a below-ground vault equipped with two pumps actuated by high-level switches. The pumps transfer the water to a treatment system consisting of a low-profile air stripper, which discharges the treated water to a storm-water pipe in the northeast portion of the facility in accordance with the requirements of a SPDES permit (Outfall No. 2). This storm-water pipe connects to the public storm-water sewer that discharges to Nail Creek.

Groundwater samples collected from under-drain MH-2 (specifically collected from the influent line to the air stripper) have shown consistent levels of COCs over the past several years (as presented in Table 17 and shown in Figure 21). These levels indicate the continued presence of VOC-impacted groundwater near the former Solvent Dock. Low level impacts have been confirmed by the groundwater sampling results for the CMS as presented in Table 5 and shown in Figure 9.

The GCTS also includes a second under-drain system installed along the northern property boundary beneath a former drainage ditch. Before installation, groundwater discharged to the ditch. The under-drain system collects groundwater in a second groundwater collection sump (MH-1) that is pumped to the air stripper and subsequently discharged under the requirements of the SPDES permit. The former ditch was replaced with a subsurface HDPE pipe and series of catch basins. The HDPE pipe was designed and installed to convey surface water from the western portion of the facility to the eastern corner of the property. The pipe and catch basins also collect water from the area of the former drainage ditch. Operation of the under-drain in combination with the storm-water pipe system eliminated discharge of groundwater to the surface water system.

Groundwater sampling of under-drain MH-1 also indicates the presence of VOC-impacted groundwater (as presented in Table 17 and shown in Figure 21) the concentrations of which have not changed significantly over the past several years. Groundwater and soil samples, collected as part of the *Storm Sewer Investigation* (BBL 1995) did not identify a source for the observed groundwater impacts. The recent investigation near the northern perimeter ditch as represented by the data for piezometers PZ-2 and PZ-4 and monitoring well MW-9 (as presented in Table 5 and shown in Figures 9, 10 and 11) does not suggest the presence of a source of the impacts to groundwater as measured in the samples from under-drain MH-1.

Performance monitoring of the GCTS included the collection of water-level measurements from wells and piezometers near the horizontal subsurface drains and effluent samples of treated groundwater. Water-level measurements were used to evaluate groundwater flow direction in the area of the storm-water pipe. Groundwater samples were also collected during system operation. The results of groundwater monitoring have been previously presented to the NYSDEC as part of quarterly and annual reporting requirements for the Site. The performance-monitoring program has been suspended (as approved by NYSDEC) pending completion of the soil and groundwater investigation required by the Order.

Performance monitoring also included the collection of effluent samples from the air stripper to determine compliance with the limits of the SPDES permit. Lockheed Martin continues to collect the effluent samples to determine compliance with the SPDES permit and regularly submits Discharge Monitoring Reports (DMRs) to NYSDEC.

GCTS evaluation was conducted in accordance with the following documents prepared pursuant to the Order:

- *Work Plan to Evaluate Performance of the Groundwater Collection and Treatment System* (October 2008). This work plan includes by reference the *Work Plan for Storm Sewer Bedding Investigation* (August 2006); and
- E-mail correspondence from ARCADIS to NYSDEC. Subject: Evaluation of GCTS (December 31, 2008).

As part of the GCTS evaluation, an inclinometer survey was proposed. This survey was intended to accurately provide the depth of the storm-water pipe (invert elevation) as it traversed beneath the manufacturing building in the area of the Solvent Dock. Several attempts and various technologies were applied to gather this information, none successful. Various challenges, including a singular access point to the storm-sewer pipe (at catch basin CB-1, located to the east and outside of the manufacturing building) and interference with the signal sent between the inclinometer survey-equipment's transmitter and receiver prevented the successful completion of this task.

The remaining components of the GCTS evaluation are presented in below.

4.5.1.1 Bedding Investigation

The bedding investigation evaluated the potential presence of bedding material surrounding the storm-water pipe located east of the facility, to determine whether that

material is a preferential pathway for groundwater. The subsurface storm-water drainage system was surveyed to determine the location, alignment, depth, and construction materials of the system. The bedding investigation was conducted along the 24-inch reinforced concrete pipe (RCP) storm-water line that traverses beneath the parking lot east of the manufacturing building, herein the storm-water pipe, or pipe.

Test pits (TP-4 and TP-5) were excavated at two locations adjacent to the storm-water pipe to visually inspect the soil surrounding the pipe. The pipe was exposed, inspected, and photo-documented. The soil was screened using a photo-ionization detector (PID) to locate and sample any potential source material.

The pipe was encountered at approximately 5.5 ft bgs and the test pits extended to depths of approximately 8 feet. During the excavation of both test pits, the storm-water pipe was exposed. Fill material composed of fines, with sand and gravel, was observed above and up to 1 foot below the pipe. No bedding material was observed in the subsurface material. Groundwater infiltrated both test pits just below the bottom of the pipe. No odors or sheens were observed in either the soil or the groundwater, and PID values did not exceed background levels during the bedding investigation. The top of the RCP was surveyed in each test pit to confirm the “As-Built” conditions. The invert elevation was calculated from the survey data.

Three short length (2 ft screen length) piezometers (PZ-11, PZ-13 and PZ-15) were installed along the length of the storm-water pipe, on the northern side of the pipe. These piezometers were installed (at the request of the NYSDEC) to satisfy the groundwater sampling component of the bedding investigation. The piezometers were installed with Geoprobe™ drilling techniques to a depth of approximately 9.5 ft bgs. Two of the piezometers (PZ-11 and PZ-13) were installed within the backfilled test-pits TP-5 and TP-6, and a third piezometer (PZ-15) was installed through fill material approximately equidistant between TP-5 and TP-6 (Figure 15). Each piezometer was constructed with 2-ft screen lengths to sample the groundwater quality immediately adjacent to and below the storm-water pipe. Groundwater samples were collected from PZ-11 and PZ-13 in November 2008 and PZ-11, PZ-13, and PZ-15 in December 2008 and analyzed for CVOCs.

The bedding investigation found that:

- Bedding material that contrasted with the surrounding soil was not observed at the test-pit locations along the storm-water pipe. As such, a preferential

pathway for groundwater flow along the pipe related to a bedding material likely does not exist.

- Groundwater immediately adjacent to the pipe was observed to be impacted with CVOCs above SGVs, as follows:
    - Samples results from the western most piezometer (PZ-11, closest to catch basin CB-1 and the manufacturing building) exceeded SGVs for cis-1,2-DCE (8.8 μg/L), PCE (95 μg/L), and TCE (33 μg/L) in November 2008, and PCE (15 μg/L) in December 2008.
    - Samples collected from piezometer PZ-15 (located approximately equidistant between catch basins CB-1 and CB-2) exceeded SGVs for cis-1,2-DCE (9.6 μg/L), PCE (6.7 μg/L), and TCE (6.5 μg/L) in December 2008.
    - Samples collected from the eastern most piezometer (PZ-13, closest to catch basin CB-2) exceeded SGVs for PCE (5.7 μg/L) in November and had no SGV exceedances for December 2008.

4.5.1.2 Piezometer Installation, Development, and Monitoring

Additional piezometers (PZ-12, PZ-14 and PZ-16) were installed in the east parking lot of the facility to complement the piezometers installed inside the building as part of prior Site investigations. The additional piezometers provided groundwater-elevation data and groundwater-quality near the storm-water pipe.

Three piezometers were installed adjacent to the storm- water pipe using a Geoprobe™ drill rig to approximate depths of 9.5 ft bgs. Two piezometers (PZ-12 and PZ-14) were installed in each of test pits (TP-5 and TP-6) that were back-filled from the bedding investigation, and a third piezometer (PZ-16) was installed through fill material approximately equidistant between TP-5 and TP-6 (Figure 15). Each piezometer was constructed with a 5-ft screen length and screened across the water table. Groundwater was observed at the bottom of the RCP, approximately 8 ft bgs. The groundwater elevation remains at the invert along the storm-water pipe.

All three piezometers were sampled in December 2008. Samples were submitted to Test America Laboratories for CVOC analysis via EPA Method 8260. Sample results were below SGVs for all CVOCs, with the exception of cis-1,2-DCE, TCE, and PCE.

The findings of the piezometer monitoring are as follows:

- The western-most sample (PZ-12, closest to catch basin CB-1 and the manufacturing building) exceeded SGVs for cis-1,2-DCE (10 μg/L), TCE (45 μg/L), and PCE (18 μg/L).
- Samples collected from piezometer PZ-16 (located approximately equidistant between catch basins CB-1 and CB-2) exceeded SGVs for cis-1,2-DCE (5.5 μg/L), PCE (8.6 μg/L), and TCE (10 μg/L).
- Samples collected from the eastern most piezometer (PZ-14, closest to catch basin CB-2) had no concentrations of CVOCs above SGVs.

4.5.1.3 Water Level Monitoring during GCTS Shutdown

The GCTS was taken off-line for 24 hours on November 17, 2008 by closing the inflow valves from influent piping to system manholes MH-1 and MH-2. An inflatable packer was placed in the downgradient invert at CB-1 to prevent water in the storm-water pipe from flowing through the catch basin, and eventually off-site (to Nail Creek). A pump was placed to divert any water on the upstream side of the packer directly to the GCTS.

While the GCTS was off-line, the groundwater levels in the Solvent Dock Area were monitored before, during, and after the 24-hour shutdown period to measure the effect of the GCTS on water levels in the area. Transducers were placed in select monitoring wells (MW-3, MW-4, and MW-13BR; located near the GCTS collection pipe for MH-2) and a piezometer (PZ-5; located near the storm-water pipe beneath the facility) to collect continuous water-level readings. Manual water level measurements were also collected from other Site monitoring wells and piezometers. Water levels and groundwater-elevation data were collected throughout the GCTS evaluation. Hydrographs, based on manual-gauging data before/during/after the GCTS shutdown, are presented in Figure 20.

Except for two monitoring well locations, shutdown of the GCTS does not appear to have had affected on groundwater levels (i.e., no rebound of groundwater elevations was noted). The exceptions were the overburden monitoring wells MW-4 and MW-13S. In monitoring wells MW-4 and MW-13S, the water elevation increased during the 24-hour shutdown period (indicating a potential rebound effect), then decreased to below the pre-evaluation reading after the system was back on-line for 20 hours (indicating a depression of the groundwater table at those locations during system operations).

Apparently unrelated to system shutdown, the groundwater elevation in bedrock monitoring well MW-13BR rose a total of 18 feet during the GCTS evaluation. Similar (albeit not as strong) increases in bedrock monitoring wells MW-14BR and MW-15BR have also been observed over the past several months, indicative of the slow recharge of low groundwater flow through the Utica Shale bedrock at the Site.

During water level monitoring, groundwater elevations near the under-drain for manhole MH-2 were measured up to 7 feet above the level of the under-drain. Water from the under-drain discharges into MH-2. The water level in MH-2 is maintained by sump pumps controlled by level switches. The water level in MH-2 is maintained within a range that is approximately between the elevation of the under-drain (~ 492 ft msl) and three feet above the under-drain (~495 ft msl), which is approximately 4 feet lower than ambient water levels measured around the under-drain.

The difference in water levels is attributed to the ability of the under-drain to dewater the formation. As required, the under-drain was installed below the water table which, in this area of the Site, is near the fill/till interface. As such, the under-drain is incised into the till. Although the under-drain pipe was backfilled with gravel adjacent to the till and fill, the low permeability of the till combined with the very limited saturated thickness of the fill has limited the dewatering capability of the under-drain.

As such, the GCTS has a limited effect on drawing down the groundwater elevation in the area, except for monitoring wells MW-4 and MW-13S. The effects on these wells are likely attributable to their location (MW-13S is immediately adjacent to the GCTS collection pipe) as well as potential short-circuiting through the local geology (MW-4 is located immediately adjacent to lines associated with the fire suppression system for the manufacturing facility, and a preferential flow pathway may be present through backfill material associated with that line and the GCTS collection pipe).

The findings of the water-level monitoring during GCTS shutdown are as follows:

- The GCTS had a limited effect to draw down the groundwater elevation in the area of manhole MH-2 and its associated groundwater collection pipe.
- The GCTS did not appear to have any effect on groundwater elevations near the northern perimeter ditch (and groundwater collection pipe associated with manhole MH-1).
- The water table was at or just below the invert of the 24” RCP storm-water pipe in the east parking lot throughout the evaluation. This is consistent with field

observations during the test pit work conducted as part of the bedding investigation. The potential remains that groundwater elevations in this area may be controlled by the storm-water pipe.

- GCTS performance has controlled groundwater elevations to a limited extent. The system is actively removing VOC-impacted groundwater from the areas of the former Solvent Dock and Northern Perimeter Ditch (as evidenced by VOC concentrations present in samples collected from manhole MH-1 and MH-2).

4.5.1.4 Storm-Water Sampling

Water samples were collected from the storm-water pipe to evaluate the quality of water in the drainage system on the east side of the facility. Before GCTS installation in 1996, water from CB-1 and CB-2, and water from the former drainage ditch was sampled as part of the *Storm Water Investigation* (BBL, 1995). CVOCs were detected in samples collected from CB-2 and the drainage ditch (at sampling location MH-7A). CVOCs were not detected in the samples from CB-1.

Water samples have historically been collected from MH-1 and MH-2 to monitor the influent groundwater quality of the GCTS. As part of the GCTS evaluation, water samples were also collected from catch basins on the eastern side of the facility to evaluate the potential CVOC loading to the storm-water system. Samples were collected and submitted to Test America Laboratories for CVOC analysis via EPA Method 8260.

Catch basins CB-1 and CB-3 were sampled in November 2008. Catch basins CB-1 and CB-2 were sampled in December 2008.

The findings of the water sampling investigation are as follows:

- Sample results from the November and December 2008 sampling events indicate low to non-detected concentrations for CVOCs at locations CB-1 and CB-3.
- Samples collected from CB-2 indicated detectable concentrations of CVOCS, including cis-1,2-DCE (1.7 μg/L), PCE (6.0 μg/L), and TCE (5.8 μg/L). Each of these concentrations is below effluent discharge limitations for the SPDES permit (SPDES # NY0121894) for the GCTS.

4.5.2 AOC 4 - Exposure Pathway Assessment

Pathways specifically mapped to AOC 4 warranting corrective measures include the infiltration of groundwater through the storm drain and discharge to surface water. Pathways potentially mapped to AOC 4 are addressed under AOCs 1, 2, and 3 (Groundwater, Soil-Vapor Migration and Indoor Air, and Soil). These pathways are discussed in previous sections.

The primary exposure pathway potentially related to this AOC ("Existing Remedial System – Groundwater Collection and Treatment System") is the potential for discharge to surface water. This would be achieved by the flow of impacted storm-water (via impacts from Site groundwater) through the storm-water system and downstream to Nail Creek.

Utility workers could be exposed to water associated with the GCTS while working in, or repairing, the storm drainage system, or working on components of the GCTS itself. The route of entry and contact include dermal, and ingestion, with consideration that work in a catch basin is classified as confined space work.

4.6 AOC 5 – Miscellaneous Tanks

This section presents the technical overview and findings for the evaluation of AOC 5 conducted by Lockheed Martin pursuant to the Order. The information in this section derives from the following scope of work conducted from July 2008 through February 2009.

- Review of NYSDEC files;
- Site reconnaissance and employee interviews.

The figures, tables, and appendices that provide information on the evaluation of AOC 5 are as follows:

- *Tank Status Report (Revised)* – Appendix I

4.6.1 AOC 5 – Technical Overview

As part of the Order, ARCADIS submitted what was defined as a Solid Waste Management Unit (SWMU) matrix identifying potential areas of investigation. Within this SWMU matrix (included as Attachment 3-2 to the Order: "Table 1"), a *Phase I Environmental Site Assessment* (Blasland, Bouck and Lee, 1996) for the property identified thirty-five (35) tanks for the former Lockheed Martin facility. Of these 35 tanks, 25 were listed as being closed and/or removed. Ten of the tanks, however, were indicated as "in use", and their status was not confirmed before the submission of the SWMU matrix to the NYSDEC. The *Tank Status Report* (December 2008) was submitted to the NYSDEC summarizing the findings on these ten tanks, and addressing what has been identified as AOC 5 in Attachment 2 (CMIP) to the Order on Consent.

The findings of the *Tank Status Report* were that nine of the 10 tanks, identified as having an unknown status during the submittal of the SWMU Matrix to the NYSDEC, are located at the Site. Each of these tanks is either closed or inactive, except for a single tank (Tank 18), which is actively used to fuel a back-up generator for the ConMed facility. None of these nine tank locations has any history or indication of spills, leaks, or other conditions that may have affected soil and/or groundwater at the Site. As such, the conclusion of the *Tank Status Report* was that no further investigation into the status of these tanks was required.

The tenth tank (Tank 19) was associated with the Materials Acquisition Center (MAC). The MAC was a former General Electric building constructed in 1988 and located separate from the French Road facility (north of the manufacturing building within a light industrial park in Utica). This tank is, therefore, not considered part of the former Lockheed Martin facility as defined within the Order. *(Note that this information was not retrieved until after submittal of the December 1, 2008 Tank Status Report. Therefore, a revised version of that report has been prepared, and is appended to this report).*

The NYSDEC provided comments on the December 1, 2008 version of the *Tank Status Report* (included in an e-mail dated January 23, 2008) indicating that confirmation of the cleaning/removal of contents from the tanks of the wastewater treatment plant (WWTP) should be completed. A recommended approach to address this concern is provided in Section 9 below.

4.7 Data Validation

Analyses were performed according to USEPA SW-846 Method 1311/8260B, Method 1311/8270C, Method 1311/8081A, 1311/8082, 1311/6010B (total and dissolved metals), 1311/7471A (mercury), 1030 (ignitability), 9012B (cyanide), 9034 (sulfide, reactive), and 9045C (pH). Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999, July 2002, and January 2005.

Data packages were provided by a New York State (NYS) certified laboratory and prepared as NYS Analytical Services Protocol (ASP) Category B deliverables. The review was conducted as a Tier III evaluation and included review of data package completeness. Field documentation was not included in this review. Included in this assessment are the validation-annotated sample result sheets and chain of custody documentation. *Data Usability Summary Reports* were completed in accordance with NYSDEC Draft DER-10 (*Technical Guidance for Site Investigation and Remediation* (December 2002)).

Data review evaluates data technically rather than simply determining contract compliance. As such, the standards against which the data are weighed may differ from those specified in the contractually-stipulated analytical method. The data package is thus presumed to represent the best efforts of the laboratory and the data are likewise presumed to have been subjected to adequate and sufficient quality review before submission.

During data review, laboratory-qualified and -unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer.

The NYSDEC ASP Category B deliverable data review included checks of:

- Chain-of-custody forms;
- Holding times;
- GC/MS Instrument Performance checks;
- Instrument calibration;
- Trip and/or laboratory (method) blank-detected constituents;

- Surrogate spike recoveries;
- Matrix spike/spike duplicate precision and accuracy;
- Internal standards;
- Checking for transcriptions between quantitation reports and Form I's; and
- Blind duplicate precision.

Final validation of data obtained during the field sampling and analysis activities was performed by the Data Validator. Laboratory deliverables were reviewed for accuracy, precision, completeness, and overall quality of data. All laboratory data were reviewed for adherence to method-specific QA/QC guidelines and to the data validation guidelines that are described above.

Data Usability

The Data Validator for the project reviewed the analytical data for usability including determining if the data were accurate, precise, representative, complete, and comparable. The review of the analytical results included checking chain-of-custody forms, sample holding times, blank contamination, spike recoveries, surrogate recoveries, internal standard, and precision of duplicate sample analysis, and laboratory control samples (as appropriate). The review classified the data as valid, usable, or unusable. Valid data are data for which all QA/QC review criteria have been met and are acceptable (as per details outlined in the preceding section). Data were characterized as usable where QA/QC parameters were marginally outside acceptable limits (example: sample holding times were slightly exceeded), such that the data may be questionable, but still usable within limitation. Unusable data are data that are observed to have gross errors or analytical interference that would render the data invalid for any purpose.

The data usability summary reports (DUSRs) are prepared in accordance with NYSDEC guidance and are included as Appendix J. Data qualifications resulting from validation are included on the data tables.

All data reviewed are considered usable based on the validation as described above, with the exception of those data indicated below.

The samples included within data package SDG A08-9368 [which include soil samples IB-5 (1.3-1.7'), IB-5 (6-8'), IB-6 (2-2.4'), IB-6 (8-8.9'), IB-7 (4-4.4') and IB-7 (8-8.9)] were qualified by the Data Validator. Upon receipt by the laboratory, the temperature of the sample cooler was measured as 16.2^{o}C (which is greater than acceptable criteria for temperature). As a result, all non-detected constituents were rejected by the Data Validator.

5. Summary of Interim Corrective Measures

This section summarizes ICMs implemented by Lockheed Martin at the Site.

5.1 Groundwater

The GCTS was installed as an ICM in June 1996 in response to the detection of VOCs in storm-water attributed to the discharge of VOC-impacted groundwater into the former northern perimeter ditch and infiltration of VOC-impacted groundwater into the storm-water pipe beneath the manufacturing building. This system collects groundwater from two under-drains and conveys the collected groundwater to a treatment building for removal of VOCs by a low-profile air stripper. Treated groundwater is discharged to the municipal storm-water system in compliance with the SPDES permit (No. NY0121894).

The GCTS, identified as AOC 4 in the October 3, 2008 NYSDEC Order on Consent (described in Section 4.5.1 above), was designed to lower groundwater elevations in the vicinity of the existing storm-water pipe, and thus reduce the potential for infiltration of groundwater into the pipe. This was necessary to prevent the potential discharge of VOC-impacted groundwater to Nail Creek (the eventual storm sewer discharge point, as shown In Figure 1). The GCTS consists of a horizontal subsurface drain installed below the groundwater table in the solvent dock area (currently the loading dock area). The drain runs parallel to, and is located hydraulically upgradient (northeast) of, the storm-water pipe. The drain flows to a groundwater collection sump (located in a below-ground vault) equipped with two pumps actuated by high-level switches. The pumps transfer the water to a treatment system, consisting of a low profile air stripper which discharges the treated water to a storm-water pipe in the north-east portion of the facility under the requirements of a SPDES permit (Outfall No. 2). This storm-water pipe connects to the public storm-water sewer which discharges to Nail Creek. System construction and details are provided in Figures 14 through 17.

The GCTS also includes a second under-drain system installed along the northern property boundary beneath a former drainage ditch. Before installation of the GCTS, groundwater discharged to the ditch. The under-drain system collects groundwater in a second groundwater collection sump pumped to the air stripper and subsequently discharged under the requirements of a SPDES permit. The former drainage ditch was replaced with a subsurface HDPE pipe and series of catch basins. The HDPE pipe was designed and installed to convey surface water from the western portion of the facility to the eastern corner of the property. The pipe and catch basins also collect water from the area of the former drainage ditch. Operation of the under-drain in combination with the storm-water pipe system eliminated discharge of groundwater to the surface water system.

GCTS performance monitoring included collection of water-level measurements from wells and piezometers near the horizontal subsurface drains and effluent sampling of treated groundwater. Water-level measurements were used to evaluate groundwater flow-direction in the area of the storm-water pipe. Operation of the system has controlled the movement of groundwater and modified the direction of groundwater flow in the immediate vicinity of the Solvent Dock Area to a northeasterly direction (see also Section 3).Groundwater samples were also collected during system operation. The results of groundwater monitoring have been previously presented to the NYSDEC as part of quarterly and annual reporting requirements for the Site.

Performance monitoring also included collection of effluent samples from the air stripper to determine compliance with SPDES permit limits. Lockheed Martin continues to collect the effluent samples to determine SPDES compliance. The system has been operational since 1996, and remains in full operational status as of this report.

5.2 Soil Vapor Migration and Indoor Air

Previous Site investigations indicate measurable concentrations of TCE in sub-slab soil gas and indoor air which warrant mitigation along the eastern/northeastern side of the facility per the *Final – Guidance for Evaluating Soil Vapor Intrusion in the State of New York* (NYSDOH 2006). As such, ARCADIS has designed and installed a sub-slab depressurization system (SSDS) to address the presence of CVOCs in sub-slab vapor. The primary operational objective of the sub-slab depressurization system (SSDS) is to create a “negative pressure” below the building slab relative to the pressure above the slab, thus mitigating the potential migration (intrusion) of vapors into the building. Upon

establishing an effective negative gradient across the building's concrete slab, soil vapors from the vadose zone under the slab are actively removed from the subsurface through the use of a blower, associated depressurization sumps, and piping network, with subsequent treatment via vapor-phase granular-activated carbon (VPGAC), and final dispersion discharge to the atmosphere. A discussion of the SSDS was previously provided in Section 4.3.1.

The overall objective for the SSDS is to protect human health. This ICM accomplishes this and eliminates or mitigates potential migration of soil vapor to indoor air within the facility building. The specific goal of the SSDS includes sub-slab depressurization near sub-slab sampling locations S-1, S-2, S-7, VP-8SD, and S-10 (Figure 3) to mitigate potential for vapor intrusion into the facility. These areas were selected for mitigation based on historical vapor sample data and their relation to the location of the groundwater plume. As part of the operation, maintenance, and monitoring (OM&M) plan for the SSDS, a program has been developed to monitor system performance.

The SSDS began full-scale operations in July 2008, and continues in full operational status as of this report.

6. Corrective Action Goals and Criteria

In Attachment 2 of the Order (Corrective Measures Implementation Plan), remedial goals and criteria are defined for each of the media of concern: groundwater, soil vapor mitigation and indoor air, soil, and surface water.

6.1 Groundwater

The remedial goal for groundwater is to comply with applicable state and federal groundwater quality standards or guidance values. The remedial criterion is that the Site related groundwater does not pose a threat to human health or the environment.

Considering (i) the goals and criteria defined in the Order and (ii) the following Site conditions, corrective measures are warranted for groundwater:

- VOCs are present in Site groundwater at concentrations that are above NYSDEC *Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values* (NYSDEC guidance values);

- Operation of the GCTS and the absence of storm sewer bedding as a preferential pathway have controlled the migration of impacted groundwater off-site; and

- Groundwater in the general vicinity of the Site is not currently used nor is there any likely demand for groundwater to be used for any defined use (drinking water, irrigation).

6.2 Soil Vapor Migration and Indoor Air

The remedial goal for soil vapor/indoor air is compliance with all applicable state or federal standards and guidance values. The remedial criterion for Site-related soil vapor/indoor air contamination is that no unacceptable risk is present and human health is protected.

Considering (i) the goals and criteria defined in the Order and (ii) the following Site conditions, corrective measures are warranted for soil vapor and indoor air:

- Measured concentrations of TCE in sub-slab soil gas and indoor air warranted mitigation along the eastern/northeastern portion of the facility;

- The existing SSDS system is successful in mitigating the potential migration of soil vapor to indoor air; and

- Continued operation of the SSDS system is required until the source of impacted soil vapors are remediated and/or mitigated.

6.3 Soil

The remedial goal for soil is that contaminated soil on the Site or soil that has migrated from the Site does not exceed applicable state and federal regulatory limits or guidance values. The remedial criteria for impacted soil above applicable state and federal regulatory limits or guidance values include:

- Impacted soils, if present, must be appropriately managed to prevent human exposure and migration from the Site.

- All areas where contaminated soils are known to exist must be subject to a Site Management Plan that includes requirements for: monitoring and maintenance of the cover materials, and proper disposal of any contaminated soils that are excavated at the Site.

- If contaminated soils are temporarily exposed during construction at the Site, access must be restricted and appropriate measures must be taken to reduce or prevent blowing soils in accordance with the Site Management Plan and a Community Air Monitoring Plan prepared in accordance with requirements of the New York State Department of Health.

Considering (i) the goals and criteria defined in the Order and (ii) the following Site conditions, corrective measures are currently not warranted for soil:

- Soils were not identified at the Site that exceed NYSDEC Restricted Use - Industrial Soil Cleanup Objectives set forth at NYCRR Part 375; and

- Exposure to Site soils is limited by the presence of cover materials (facility building, asphalt, or fill/top soil).

6.4 Surface Water

The remedial goal for surface water is that no contaminants are discharged into surface waters on the Site or within the Site in a manner that poses a threat to human health or the environment. The remedial criterion for surface water is that surface water discharged from the Site meets the approved discharge limits allowed under an active State Pollutant Discharge Elimination System (SPDES permit).

Considering (i) the goals and criterion defined in the Order and (ii) the following Site conditions, corrective measures are currently warranted for surface water:

- Groundwater with concentrations of CVOCs in exceedance of NYSDEC SGVs currently exist and have the potential for infiltration to the storm-water pipe beneath the manufacturing building and extending beneath the east parking lot;

- The ICM for surface water (GCTS) currently reduces the potential of the discharge of impacted groundwater to surface water, and meets all approved discharge limits under the existing SPDES permit.

7. Identification and Development of Corrective Measures Alternatives

This section identifies and evaluates remedial technologies and process options with the potential to remedy or mitigate impacts to groundwater, soil, and soil vapor/indoor air. These technologies and their respective process options are then combined to propose corrective measures alternatives. The alternatives are then screened against the threshold criteria identified in the Order.

The Site is currently used by the ConMed Corporation as their corporate headquarters and main manufacturing facility (as described in Section 3, ConMed manufactures and distributes medical supplies). The current infrastructure impedes direct access to impacted media in the subsurface. As such, most aggressive remedial strategies that would specifically target the source material are complicated by logistical concerns. One such concern is a clean-room situated directly over the primary area of subsurface impacts, making attainment of remedial goals for on-site contamination impractical. The preferred remedial strategy is to protect human health and the environment until the Site use changes and access to impacted media is more feasible. Protection of human health and the environment can be pursued through corrective measures as described in the following sections.

7.1 Description of Current Situation

Groundwater in the northeast portion of the main manufacturing building and the area referred to as the northern perimeter ditch has been impacted by VOCs. The depth to groundwater in these areas is shallow ranging from 2 to 7 feet bgs.

The source of the impacts to groundwater is probably related to a former 275-gallon overflow retention tank, which was located immediately north of the loading dock along the northern wall of the manufacturing building (near present day monitoring well MW-13BR (Figure 3)). The tank was removed as part of an IRM in 1990. Reports indicate that the overflow retention tank was in poor condition upon removal (i.e., leaking). As part of the tank removal, approximately 5 cubic yards of impacted soil were removed for off-site disposal. Analytical soil data near the tank removal

indicate no remaining impacts to soil. Residual on-site dissolved phase constituents in groundwater are believed to result from isolated releases that impacted both soil and groundwater. The inverts of former underground storage tanks were likely near or below the water table.

The source of impacts to groundwater in the area of the northern perimeter ditch has/has not been defined but may be related to the former hazardous waste storage area at the western end of the present day maintenance building. Historic soil, groundwater, and surface water samples collected as part of the initial source investigations did not determine a specific source of the observed impacts to groundwater.

Impacts to groundwater are primarily in fill and shallow till. The water table is encountered near the bottom of the fill, typically within one foot of contact with the underlying till. Groundwater impacts were observed primarily within wells screened either solely within the fill or within the fill and underlying till. Minimal groundwater impacts were observed in the bedrock interval. Hydropunch data collected from several vertical intervals within the till indicate decreased impacts with depth in the till. Grain-size analysis and hydraulic-conductivity testing show the fill and till both have a very low capacity to transmit water; that is, the fill and till exhibit very low permeability which has naturally “contained” the migration of impacted groundwater within the northeastern portion of the Site.

Sub-slab soil gas under the building’s footprint contains VOCs at concentrations that may warrant further monitoring and/or mitigation. Although the presumed source of some of the compounds in sub-slab soil gas is groundwater, the migration of sub-slab soil gas to indoor air is inconclusive based on background sources. The current facility operations use some of the chemicals detected in both sub-slab soil gas and indoor air.

Exposure pathways for each medium are summarized below:

Groundwater

Under current conditions, except for on-site construction and utility workers, no human receptors are expected for groundwater consumption or contact, because no complete exposure pathways are associated with groundwater. Groundwater is not used for drinking, commercial, agricultural, or industrial purposes at or in the general vicinity of the Site, nor are any such uses planned. Potential exposure pathways for current or future construction and utility workers include dermal contact with groundwater,

incidental ingestion of groundwater, and inhalation of vapors and particulates derived from subsurface soil.

Soil

Under current conditions, except for on-site construction and utility workers, no potential human receptors exist, as no complete exposure pathway is associated with soil. Potential exposure pathways for current or future construction and utility workers include dermal contact with soil, incidental ingestion of soil, and inhalation of vapors and particulates derived from soil.

Soil Vapor

A vapor-intrusion pathway (groundwater to soil gas to indoor air) exists for several constituents of concern, including TCE and PCE. Dissolved phase concentrations in groundwater observed at this Site are sufficient to produce the concentrations that have been measured in sub-slab soil gas for these constituents. These sub-slab gas concentrations are near or above NYSDOH vapor intrusion monitoring and/or mitigation guidelines.

7.2 Summary of Interim Corrective Measures

This section presents a summary of ICMs now in operation at the Site (refer to Section 5.0 for further details).

7.2.1 Groundwater

Since 1996, the GCTS collected groundwater from two under-drain perforated pipes (one near the former Solvent Dock Area and one along the former northern perimeter ditch) and pumped the collected groundwater to a low-profile air stripper for VOC removal. The GCTS was designed to lower groundwater elevations sufficiently to control potential infiltration of groundwater into the storm-water pipe beneath the manufacturing building. Although the GCTS has controlled the movement of groundwater and removed contaminant mass, it does not appear to have significantly lowered the groundwater elevation near the former Solvent Dock Area nor the northern perimeter ditch. However, evaluation of the GCTS shows that the water table beneath the manufacturing building is lower than the invert of the storm-water pipe. Further, as part of the GCTS installation, the northern perimeter ditch was replaced with an HDPE

storm-water pipe designed, in concert with the under-drain, to eliminate groundwater discharge to the surface water system.

7.2.2 Soil Vapor Migration and Indoor Air

The SSDS creates a negative pressure below the building slab relative to the pressure above the slab, thus reducing the potential migration (intrusion) of sub-slab vapors into the building. The overall objective for the SSDS is to protect human health. This ICM accomplishes this objective in areas where a negative pressure is achieved, thus reducing significant potential threats. The SSDS began operations in July 2008 and continues to date.

7.3 Identification and Screening of the Corrective Measures Process Options

This section identifies and evaluates potential remedial technologies and process options associated with general response actions. Remedial technologies are defined as general categories of remedies under each general response action (e.g. barrier is a remedial technology under the general response action of containment). Process options are defined as specific categories of remedies within each remedial technology used to implement the remedial technology (e.g. a groundwater recovery trench is a process option under the remedial technology of barrier). The purpose of initially considering many potentially applicable technologies and process options, for the AOCs defined in Table 1 of the CMIP, is to ensure that possible techniques and process options are not overlooked early in the CMS. Additionally, this initial comprehensive evaluation process eliminates technologies or process options that are not applicable based on the waste and Site characteristics before developing corrective measures alternatives and conducting a more detailed evaluation. The following sections describe the general response actions and the evaluation of remedial technologies and process options. The technologies/process options retained through this evaluation are later combined into corrective measures alternatives (see Section 8).

7.3.1 General Response Actions

General response actions are categories of corrective measures that may be used to satisfy general corrective action criteria by either reducing the contaminant concentrations in each medium or by preventing exposure to the impacted medium. General response actions provide the basis for identifying specific remedial

technologies and process options. General response actions are developed for each medium. Remedial technologies and process options, under each response action, that may, singly or in combination, satisfy corrective action criteria, are then identified. General response actions considered for each AOC include:

Groundwater (AOCs 1 and 4)

- No action;
- Institutional action;
- Monitored natural attenuation;
- Containment of groundwater;
- Removal, *ex situ* treatment, and discharge of groundwater; and
- *In situ* treatment of groundwater.

Soil (AOC 3)

- No action;
- Institutional action;
- Containment of soil;
- Removal of soil; and
- *In situ* treatment of soil.

Soil Vapor/Indoor Air (AOC 2)

- No action;
- Institutional action;
- Containment; and

- Removal, *ex situ* treatment, and discharge.

7.3.2 Technical Implementability and Effectiveness

Technical implementability and effectiveness refer to the ability of a remedial technology or process option to meet general corrective-action criteria. Technical implementability and effectiveness considers Site-specific conditions, such as geologic setting, contaminant distribution, and contaminant characteristics. The result is a list of retained technologies and process options that are technically capable of addressing contaminant types found at the Site under the current Site conditions.

Technical implementability and effectiveness rationale for remedial technologies and process options for groundwater, soil, and soil vapor/indoor air are presented in Tables 19 through 21. These tables describe potentially applicable technologies and process options associated with the general response actions and the rationale for retaining or eliminating each technology option. Technologies/options eliminated from further consideration based on technical implementability and effectiveness are shaded for clarity.

7.3.3 Evaluation of Process Options

The retained remedial technologies/options are evaluated using the following evaluation criteria. These criteria are independent of the threshold and balancing criteria in the Order (as presented in Attachment 5 – Corrective Measures Study Scope of Work), but are necessary to ensure that viable technologies/options are carried forward for development of the corrective measures alternative:

- Effectiveness;
- Implementability; and
- Relative cost.

In terms of effectiveness, remedial technologies and process options are evaluated by their:

- Potential effectiveness in addressing the estimated areas and volumes of media and meeting the corrective action criteria and goals;

- Potential health and safety concerns for the corrective action or potential impacts to the environment during construction and implementation; and

- Reliability with respect to the types of contamination and Site conditions that will be encountered.

Information needed to evaluate the effectiveness of technology types for the different media includes contaminant type and concentration, the area or volume of impacted media, and logistics of accessing the impacted media.

Implementability encompasses both the technical and administrative feasibility of implementing a technology or process. As discussed in Section 7.2.2, technical implementability is used as an initial screen of technology types and process options to eliminate those that are clearly ineffective or unworkable at a Site. Therefore, this subsequent, more detailed evaluation of process options places greater emphasis on the institutional aspects of implementability, such as the ability to obtain necessary permits for off-site actions, the availability of treatment, storage, and disposal services (including capacity), and the availability of necessary equipment and skilled workers to implement the technology (USEPA, 1988a).

Cost plays a limited role in evaluating process options at this step. Relative capital and operations and maintenance (O&M) costs are used rather than detailed estimates. Each process option is evaluated based on engineering judgment as to whether costs are high, moderate, or low relative to the other process options of the same remedial technology type.

To develop the final suite of retained process-options and remedial technologies, an evaluation of relevant technologies was performed for all AOCs, as summarized in Tables 22 through 24. For each area, these tables provide a comprehensive list of general response actions, remedial technologies, and specific process options, along with a description of each process option and the basis for either retaining the technology or screening the technology from further consideration. The various process options were considered independently through the preliminary screening process. For instance, two process options (groundwater extraction and groundwater recovery trenches) were considered under the “containment” general response action and the “barrier” remedial technology (Table 22). The following sections provide the basis for whether a specific remedial technology was retained. Retained technologies are described further in Section 7.3.4. Reasons for screening out technologies are provided in Tables 22 through 24.

7.3.4 Selection of Representative Process Options

Following the evaluation of process options based on effectiveness, implementability, and relative cost, representative process options are selected for each remedial technology type. The representative process options are selected by considering those that are the best established, proven, and reliable over a range of Site conditions. One representative process option is selected for each technology type to simplify the subsequent development of corrective measures alternatives. More than one process option may be selected for a technology type if the processes are sufficiently different in their performance that one would not adequately represent the other. Process options selected for corrective measures alternatives are un-shaded in Tables 22 through 24. The selected process options are formulated into corrective action alternatives in Section 7.4. A description of the selected process options is provided in the following sections.

7.3.4.1 Process Options for Groundwater (AOCs 1 and 4)

The process options retained for groundwater are as follows:

- Monitored natural attenuation (MNA);
- Continued operation of groundwater recovery trenches with upgrades;
- Air stripping;
- Surface water discharge; and
- Air Discharge.

These process options are briefly described below.

<u>Monitored Natural Attenuation</u>

Monitored natural attenuation (MNA), as defined by the USEPA in Office of Solid Waste and Environmental Restoration (OSWER) Directive 9200.4-17P (1999), refers to the reliance on natural attenuation processes to achieve Site-specific remedial objectives within a timeframe that is reasonable compared to other methods. These natural attenuation processes (biodegradation, dispersion, dilution, sorption, volatilization and chemical or biological stabilization, transformation, or destruction of

contaminants), under favorable conditions, act without human intervention to reduce the mass, toxicity, mobility, volume, or concentration of contaminants in soil and groundwater. The time required for these processes to lower contaminant concentrations to levels protective of human health and the environment varies widely between different hydrologeologic systems and different chemical contaminants. When relying on natural attenuation processes for Site remediation, USEPA prefers those processes that degrade or destroy contaminants. In addition, USEPA generally expects that MNA will only be appropriate for sites that have a low potential for contaminant migration (USEPA, 1999).

In general, MNA is an appropriate remediation method only where its use would protect human health and the environment and be capable of achieving Site-specific remediation objectives within a timeframe that is reasonable compared to other alternatives. Monitoring wells exhibiting residual contaminant concentrations above NYSDEC remedial criteria would be sampled quarterly, semi-annually, or annually depending on the proximity to historic source areas, severity of exceedance, and the wells' usefulness in assessing the remedial progress of other technologies used on-site.

MNA received "moderate" effectiveness rating, "high" implementability rating, and "low to moderate" cost rating (Table 22).

Barriers – Groundwater Recovery Trenches

In aquifers with low conductivity, groundwater-recovery trenches (i.e., French Drains) can be used to impose a passive stress on the aquifer. A groundwater recovery trench is a highly conductive, highly permeable trench installed to enhance natural groundwater flow into the trench. The trench consists of a perforated stretch of pipe surrounded by gravel, and is graded such that flow is directed towards a collection sump. The groundwater is then pumped from the sump to an above-ground treatment facility and then discharged according to regulatory standards and/or permits.

A groundwater collection and treatment system including two groundwater recovery trenches and an air stripper currently operates on-site. Groundwater recovery trenches received a "moderate to high" effectiveness rating, a "high" implementability rating, and a "moderate" cost rating (see Table 22).

Ex-Situ Physical Treatment

Air stripping is an *ex-situ* physical treatment process. Removing VOCs from groundwater using air stripping is a common and established method for treating groundwater. Air stripping is physical mass-transfer process whereby contaminants are transferred from the water into a countercurrent air stream. This method is capable of high removal efficiencies for VOCs with high Henry's Law constants. The technology is widely used for groundwater treatment and is easy to install and operate. Generally, influent groundwater enters the air stripper unit at the top and trickles down though trays or packing material. Air is injected upward through the stripping unit to remove VOCs from the groundwater. The constituent's high Henry's Law constant, transfers that particular constituent from the groundwater to the air injected into the system, and exits the air stripper as a vapor. The effluent vapor stream discharges through the top of the air stripper, while the treated groundwater exits through the bottom of the air stripper. VOC concentrations in the groundwater stream and local regulations determine whether air emissions require treatment before discharge.

A shallow-tray air stripper is currently used to treat groundwater that is extracted from the groundwater collection trenches. Air stripping received "high" effectiveness, "high" implementability, and "low" cost ratings (Table 22).

Discharge – Surface Water Discharge

Surface water discharge discharges the treated water effluent to a surface water body under a permit. The Site has an active SPDES permit, and surface water discharge is the current discharge technique. Surface water discharge received "high" effectiveness, "high" implementability, and "low" cost ratings (Table 22).

7.3.4.2 Process Options for Soil (AOC 3)

The only retained process option for soil is the Site Management Plan.

Site Management Plan

To protect human health, a Site Management Plan will be implemented in areas of historic soil impacts and current impacts to groundwater. By restricting access to areas on-site considered potentially hazardous, risk of human exposure is reduced.

7.3.4.3 Process Options for Soil Vapor/Indoor Air (AOC 2)

Process options retained for soil vapor/indoor air are as follows:

- Continued operation of the SSDS with upgrades;
- Carbon adsorption; and
- Air discharge.

A brief discussion of these process options is included below.

Capping/Venting – SSDS

A SSDS currently operates at the on-site consisting of three collection points and 11 temporary vapor-monitoring points (VMPs). The sub-slab depressurization technology involves installing ventilation points to allow vapors generated from the natural volatilization of contaminants from the soil and groundwater to vent to the atmosphere. If necessary, the vapors generated can be diverted through vapor phase carbon to ensure regulatory compliance with air discharge permits. The limiting factor to the success of this remedial action is the ability to access and install ventilation points and VMPs in the most advantageous locations.

SSDS received “moderate” effectiveness rating, “high “implementability rating, and “low to moderate” cost rating (see Table 24).

Ex-Situ Physical Treatment – Carbon Adsorption

Granular activated carbon (GAC) is a phase-separation process that removes a wide variety of organic pollutants from vapor through adsorption. Both VOCs and SVOCs can be removed by carbon adsorption. As vapor passes through the porous granules in the carbon, molecules of organic compounds adhere to the surface of the carbon particle pores. Activated carbon has an extremely large total surface-area-to-mass ratio thus providing numerous adsorption sites. However, carbon adsorption cannot effectively remove highly polar. Hydrophobic molecules (insoluble) are more readily absorbed. As the compound is continuously loaded onto the carbon, eventually all of the sorption sites become occupied with the contaminant. Saturated (or spent) activated carbon can be discarded or regenerated with a high-temperature process.

Potential advantages include (FRTR, 2006):

- Commonly used and well understood *ex-situ* treatment technology with long history and documentation of use; and
- Can be deployed rapidly with high removal efficiencies.

Potential disadvantages include:

- Multiple contaminants can affect process performance;
- Costs are high if used as primary treatment for waste streams with high contamination levels;
- Highly water-soluble compounds and small molecules are not adsorbed well; and
- All spent carbon eventually needs to be properly disposed.

Carbon adsorption is of limited effectiveness for vinyl chloride because of its poor adsorptive capacity for carbon (low K_{oc}). Carbon adsorption would be inefficient for removal of vinyl chloride in impacted vapor. Carbon adsorption received "moderate" effectiveness rating, "moderate" implementability rating, and "low to moderate" cost rating (see Table 24).

Discharge – Air Discharge

Air discharges from the SSDS system may require treatment to meet Federal and State air pollution regulations. Air discharge meeting regulatory standards for treatment of VOCs is a standard methodology. Air discharge received a "high" effectiveness rating, a "high" implementability rating, and a "moderate" cost rating based on the current treatment system at the French Road facility (see Table 24).

7.4 Development of Corrective Action Alternatives

Remedial technologies and process options retained during the preliminary technology evaluation and screening phases are assembled in this section into corrective measures alternatives for each of the AOCs. Each includes a description of the

corrective measure, including a conceptual design for implementation and a discussion of the assumptions made, which will provide a basis for detailed analysis and comparison to other alternatives. Section 8 presents a comparative analysis of the alternatives.

The corrective measures alternatives represent integrated approaches using combinations of multiple techniques that together are intended to satisfy the remedial criteria and goals. Based on this CMS and other information, the NYSDEC Commissioner will propose the final corrective measure(s) and public notice a *Statement of Basis* discussing the proposed final corrective measure(s). After the close of the public-notice period, the Commissioner, after considering all relevant comments, will select the final corrective measures. The final corrective measures will be incorporated into and implemented through the Order on Consent.

The corrective measures alternatives presented below are in accordance with the remedial goals and criteria presented earlier in Section 6. In summary, the corrective measures study shall:

- AOC 2 (soil vapor/indoor air) – include recommendations for continued operation of the SSDS and/or upgrades to the SSDS as may be necessary in the context of the final vapor intrusion remedy.

- AOC 4 (existing GCTS remedial system) – include recommendations for:

    - Continued operation at a level equivalent to, or better than, that being achieved under the current operational requirements;

    - Upgrades to the system; or

    - System replacement in the context of a final groundwater remedy.

- AOC 5 (miscellaneous tanks) – include recommendations for corrective actions as may be necessary to address tank-related impacts.

- Present a monitoring plan that will demonstrate performance of the corrective measure(s) for each AOC. Specific operation and maintenance manuals for the SSDS and GCTS, and a monitoring plan for the proposed MNA will be submitted for review and approval by NYSDEC prior to issuance of the Statement of Basis.

The corrective measures alternatives to be evaluated for the AOCs are described in the next sections. Two alternatives are presented for detailed and comparative analysis. Alternative 1 is the "no action" alternative that is carried through for comparison. Alternative 2 achieves the remedial criteria for the Site. Additional alternatives for comparison are not necessary based on (i) the success of ongoing interim measures that control contaminant migration and mitigate exposure pathways and (ii) restrictions for aggressive *in situ* corrective measures under the existing building. A summary of the conceptual design for each of the corrective measures alternatives is provided in Table 25.

7.4.1 Alternative 1 – No Action

The "no action" option is retained and examined as a baseline against which other corrective measures are compared (see Table 26).

7.4.2 Alternative 2

The following process options were used as part of Alternative 2 to:

- Protect human health and the environment;
- Attain environmental-media target-cleanup levels selected by the Commissioner during the corrective measures selection process;
- Control the source(s) of release(s) to reduce or eliminate, to the maximum extent practicable, further releases of hazardous waste(s), including hazardous constituents, that might pose a threat to human health and/or the environment; and
- Meet all applicable waste management requirements.

The first alternative evaluated that met the threshold criteria was Alternative 2 (see Table 26). This alternative includes:

- Groundwater
    - Continued hydraulic containment with treatment and discharge from the current GCTS with enhancements

  - Monitored natural attenuation (MNA)
  - Site Management Plan (SMP)

- Soil
  - Site Management Plan (SMP)

- Soil Vapor/Indoor Air
  - Continued operation and enhancement of the sub-slab depressurization system (SSDS) with active extraction wells for vapor intrusion (VI) mitigation with upgrades
  - Site Management Plan

Alternative 2 meets the threshold criteria (as presented in Section 7.0) as follows:

1. *Protection of human health and the environment*. The installation of a new under-drain trench is planned near catch basins CB-1 and CB-2 to further control contaminant migration, since groundwater analytical results indicate groundwater contamination in this area. This new under-drain will be tied into the existing GCTS, and the existing system will continue to operate. Collecting, testing, and treating site groundwater prevents contaminant migration and potential human exposure. Simultaneously, MNA will be evaluated for effectiveness in reducing contaminant concentrations in groundwater. Continued operation of the SSDS actively reduces potential human exposure through vapor intrusion mitigation.

2. *Attainment of criteria*. Alternative 2 is designed to achieve all criteria outlined in the CMIP for each AOC. Alternative 2 does not pose a threat or an unacceptable risk to human health or the environment.

3. *Controlling the migration of contamination*. Alternative 2 can effectively control the migration of contaminants. The MNA program will demonstrate the effectiveness of the GCTS to prevent contamination from posing a threat to human health or the environment. The proposed SSDS upgrades include more monitoring points and enhanced performance monitoring to demonstrate the effectiveness of the SSDS system.

8. Evaluation of the Corrective Measure Alternatives

This section describes each corrective measures alternative that passed the threshold screening criteria and evaluates each alternative and its components relative to the following balancing criteria: long-term effectiveness; reduction in the toxicity, mobility, and volume of wastes; short-term effectiveness; implementability; and cost.

8.1 Balancing Criteria

This section describes the balancing criteria used to evaluate each alternative.

8.1.1 Long-Term Effectiveness

Long-term effectiveness describes the expected effectiveness, reliability, and risk of failure of each alternative based on the following:

1. The effectiveness of the alternative under analogous conditions;

2. The potential impact resulting from a failure of the alternative, including failures from uncontrollable changes; and

3. Estimates of the projected useful life of the alternative and of its component technologies.

8.1.2 Reduction in the Toxicity, Mobility, or Volume of Wastes

As a general goal, preferred corrective measures employ techniques, such as treatment technologies, capable of eliminating or substantially reducing the inherent potential for wastes in impacted media to cause future environmental releases or other risks to human health and the environment.

8.1.3 Short-Term Effectiveness

Short-term effectiveness is particularly relevant when the remedy will be conducted in densely populated areas, or where waste characteristics are such that risks to workers or to the environment are high and special protective measures are needed. The following types of factors are considered where appropriate: fire, explosion, exposure

to hazardous substances, and potential threats associated with treatment, excavation, transportation, and re-disposal, or containment of waste material.

8.1.4 Implementability

Implementability of each corrective measures alternative is based primarily on the relative ease of installation (constructability) and the time required to achieve a given level of response. The following type of information is considered:

1. Administrative activities needed to implement the alternative (e.g., permits, off-site approvals) and the length of time these activities will take;

2. Constructability, time for implementation, and time for beneficial results;

3. Availability of adequate off-site treatment, storage capacity, disposal services, needed technical services and materials; and

4. Availability of prospective technologies for each alternative.

8.1.5 Cost

An estimate of the cost of each alternative is provided, including costs for engineering, site preparation, construction, materials, labor, sampling/analysis, waste management/disposal, permitting, health and safety measures, training, and operation and maintenance.

8.2 Corrective Measures Alternative 1 – No Action

The following sections present a detailed screening of corrective measures Alternative 1 based on the balancing criteria. A summary of the screening is presented in Table 27.

8.2.1 Long-Term Effectiveness

Long-term effectiveness and permanence would not be achieved through Alternative 1 because existing contaminants would not be addressed, monitoring would not be conducted, potential exposure pathways would not be controlled, and the Site Management Plan would not be implemented to eliminate or provide long-term

management of potential exposure pathways. Natural attenuation processes may reduce contaminant concentrations in soil, groundwater, and soil vapor/indoor air to remedial goals, but monitoring of these processes would not be performed under the "no action" alternative. Therefore, the processes would not be quantifiable.

8.2.2 Reduction of Toxicity, Mobility, or Volume of Wastes

Although natural attenuation processes may result in the reduction of contaminant mobility, toxicity, or volume in soil, groundwater, and soil vapor/indoor air, monitoring of these processes would not be performed under the "no action" alternative. Therefore, these processes would not be quantifiable.

8.2.3 Short-Term Effectiveness

The "no action" alternative does not incorporate any corrective measures activities that would present short-term exposure risks to the community, workers, or the environment. "No action" does not achieve remedy protection within a relatively short period, and thus provides no short-term effectiveness.

8.2.4 Implementability

The "no action" alternative is, almost by definition, implementable due to the lack of technical components, and would neither limit nor interfere with the ability to perform future corrective measures. However, the "no action" alternative is unlikely to be administratively feasible due to the lack of monitoring and protection of human health and the environment.

8.2.5 Cost

By definition, no costs are associated with the "no action" alternative.

8.3 Corrective Measures Alternative 2

The following sections present a detailed screening of corrective measures Alternative 2 based on the balancing criteria. A summary of this analysis is presented in Table 27.

8.3.1 Long-Term Effectiveness

Alternative 2 would achieve long-term effectiveness and permanence for as long as the GCTS (with upgrades), MNA program, SSDS (with upgrades), and the Site Management Plan are maintained while soil, groundwater, and soil-vapor contaminant concentrations exceed standards. Alternative 2 would provide adequate and reliable long-term controls to assure that human exposure to contamination does not occur.

Alternative 2 should not be affected by any reasonable anticipated man-made or natural changes in Site conditions. The current operation of the GCTS has proven effective since its installation in 1996. The SSDS has likewise proven effective since its installation in 2008. The upgrades to these systems as part of the corrective measures implementation does not alter their operation in a manner that would make them more susceptible to being affected by man-made or natural changes in Site conditions. Similarly, the monitoring program and the Site Management Plan should not be affected by any reasonably anticipated man-made or natural changes in Site conditions.

The monitoring program combined with the low permeability of the geology that results in relatively slow groundwater movement, allows sufficient time to observe and react to changing conditions that may occur in the future. The low permeability of the geology and the hydraulic control provided by the GCTS also make the groundwater impacts relatively immune to off-site changes that may occur to surrounding properties. Pumping from this zone by neighboring property owners is not a reasonable concern because groundwater cannot be used as a water source.

The reliability and effectiveness of Alternative 2 is very high. The property is expected to remain in its current use as an industrial site for the foreseeable future. Most of the remedial technologies that are part of Alternative 2 were installed as interim measures and have proven effective at the Site, are conventional remedial technologies widely used for environmental restoration, and have a long useful life with routine O&M. The reliability and accuracy of Alternative 2 would increase with time as long-term trends are developed through the monitoring program. Residual risk will remain until contaminant concentrations reach regulatory standards.

Potential adverse effects from remediation failure will be minimized through the rapid response procedures to be specified in the O&M manual. The most immediate possible risk would be either to indoor air (from a failure in components of the SSDS system), or storm-water (from a failure in the GCTS system designed to eliminate groundwater infiltration to storm-water pipes). Both of these scenarios, and other possible failure scenarios, are easily managed through proper O&M procedures and planned response actions. Short-term downtime of any of the remedial technologies for Alternative 2 should not compromise human health or the environment.

8.3.2 Reduction of Toxicity, Mobility, or Volume of Wastes

The GCTS is an active-treatment technology. Its primary function is to provide hydraulic control to reduce the potential for groundwater infiltration into the storm-water pipes from the Solvent Dock area by reducing contaminant mobility. This system will reduce the volume of dissolved phase contaminants in groundwater but the reduction may not be sufficient to reach standards or guidance values.

Natural attenuation will address long-term improvement in groundwater quality by reducing the toxicity, mobility, and volume through attenuation processes such as biodegradation, sorption, dispersion and dilution, chemical reactions, and volatilization.

The SSDS is an active treatment technology. Its primary function is to intercept contaminants and prevent vapor intrusion into the manufacturing building. SSDS reduces the volume of waste via vapor phase treatment of the soil gas extracted from under the building slab. Soil-gas contaminants will remain at concentrations that pose a human health risk but these levels will generally decrease over time.

8.3.3 Short-Term Effectiveness

Alternative 2 poses minimal risk to the public, workers, and the environment during implementation. Alternative 2 is not effective in the short-term for achieving standards or guidance values although full protection from exposure risks will be quickly realized through enhancements to existing ICM, establishment of the Site Management Plan (SMP), and the monitoring program. SSDS is an effective alternative with minimal risk to the public, workers, and the environment during implementation. SSDS is not effective for eliminating the human health risk. During implementation of Alternative 2, and during the remedial timeframe, there is minimal contaminant-related risk of fire, exposure to hazardous substances, and minimal threats associated with remediation.

8.3.4 Implementability

Discharge of groundwater will require either a SPDES permit or agreement with the publicly-owned treatment works (POTW) and compliance reporting and the SSDS does not require operating permits.

Minimal construction is necessary to convert the GCTS ICM or the SSDS ICM into a final corrective measure. MNA requires minimal administrative activities and requires virtually no construction because it uses available monitoring points. Additional monitoring wells will be evaluated in the SMP with the finalization of the MNA well network.

The GCTS does not require off-site treatment, storage, or disposal services. SSDS requires off-site regeneration or off-site treatment, storage, and disposal of the vapor phase carbon. The monitoring program will require minimal off-site treatment, storage, and disposal of samples and sampling equipment.

All the technologies employed as part of Alternative 2 are conventional for environmental restoration methods and therefore do not require specialized technologies or knowledge. The time for beneficial results is immediate: however, time for contaminant reduction is long.

8.3.5 Cost

A summary of the capital, operation and maintenance, and present value cost for Alternative 2 is presented in Table 27. Costs associated with each aspect of Alternative 2 are presented below.

Monitored Natural Attenuation

Total capital costs for MNA are estimated to be $0. Annual O&M costs are estimated to be approximately $30,000. Based on USEPA guidance (USEPA, 2000), the total present value of MNA using a discount rate of 11 percent for 30 years is $300,000 (Table 27).

Groundwater Collection and Treatment System

The GCTS will continue operation and be transitioned from an ICM to a final remedy. As part of corrective action for the Site, the system will be upgraded to include a third under-drain adjacent to the storm-sewer line in the eastern parking lot.

Total capital costs for GCTS upgrades are estimated to be $120,000. Annual O&M costs are estimated to be approximately $55,000. Based on USEPA guidance (USEPA, 2000), the total present value of O&M using a discount rate of 11 percent for 30 years is $690,000 (Table 27).

Sub Slab Depressurization System

The SSDS will continue operation and be transitioned from an ICM to a final remedy. As part of corrective action for the Site, the system will be upgraded to include additional vapor extraction points beneath the manufacturing building.

Total capital costs for SSDS upgrades are estimated to be $75,000. Annual O&M costs are estimated to be approximately $65,000. Based on USEPA guidance (USEPA, 2000), the total present value of O&M using a discount rate of 11 percent for 30 years is $795,000 (Table 27).

Site Management Plan

Total capital costs for the Site Management Plan are estimated to be $15,000. Annual O&M costs are estimated to be approximately $0. Based on USEPA guidance (USEPA, 2000), the total present value of the Site Management Plan using a discount rate of 11 percent for 30 years is $15,000 (Table 27).

Alternative 2 Summary

Total capital costs are estimated to be approximately $210,000. Annual O&M costs are initially estimated to be approximately $150,000. Based on USEPA guidance (USEPA, 2000c), the total present value of the corrective action using a discount rate of 11 percent for 30 years' O&M is $1,800,000 (see Table 27).

8.4 Miscellaneous Tanks

NYSDEC has required Lockheed Martin to take specific actions pertaining to the former waste water treatment plant (WWTP). Lockheed Martin will continue to investigate the closure status of the WWTP. The investigation will include confirmation of the removal of contents from the tanks located within the WWTP, and a determination on whether influent and effluent piping to the WWTP were sealed as part of plant closure activities. In the event that the piping has not been sealed, corrective action will be implemented to properly close the WWTP.

9. Justification and Recommendation of the Corrective Measures

Alternative 2 contains the recommended corrective measures for the Site. Alternative 2 will achieve all remedial criteria specified in the Order for surface water, groundwater, soil vapor/indoor air, and soil.

Surface water criteria are met through treatment of groundwater before discharge to surface water in accordance with a SPDES permit. Furthermore, the potential for impacted groundwater to infiltrate into storm-water pipes will be mitigated by operation of the enhanced groundwater collection and treatment system.

Groundwater criteria are met through a combination of factors including operation of the GCTS and lack of groundwater pathway to human or ecological receptors. Operation of the GCTS captures a portion of groundwater plume. This capture combined with the low permeable soil will keep the plume on-site. As such groundwater does not pose a threat to human health or the environment. Groundwater is not used in the Site area or the region. Potable water is supplied by the Mohawk Valley Water Authority. Furthermore, impacted groundwater does not discharge to surface water because the plume is contained on-site.

Soil vapor/indoor air criteria are met through operation of the SSDS.

Soil criteria are met or will be met through implementation of a Site Management Plan to be developed for the Site.

9.1 Supplemental Deliverables

As part of its implementation of corrective measures for the Site, Lockheed Martin will prepare and submit several deliverables to NYSDEC for review and approval. These deliverables will include:

- OM&M Plan for the GCTS;
- OM&M Plan for the SSDS;
- WWTP Closure Status Report; and,
- Site Management Plan.

9.2 Schedule

The following presents a duration-based schedule for implementation of corrective measures in calendar days. The schedule provides that installation of upgrades to the GCTS and SSDS will occur simultaneously. Corrective action will be initiated as indicated below upon submittal of this Corrective Measures Study Report and NYSDEC's issuance of a final Statement of Basis.

The following activities will be performed concurrently and in accordance with the provided durations upon submittal of the Corrective Measures Study:

- Prepare and submit Site Management Plan: 150 days
- Prepare and submit OM&M Plan for SSDS: 150 days
- Prepare and submit OM&M Plan for GCTS: 150 days
- Prepare and submit MNA Plan: 150 days

The following activities will be performed consecutively and in accordance with the following durations upon NYSDEC's issuance of the final Statement of Basis:

- Complete procurement for system upgrades: 90 days

- Perform design of system upgrades: 150 days
- Complete installation and startup of system enhancements: 100 days

10. References

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Tables

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Table 1. Monitoring Well and Piezometer Construction Details, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.

Monitoring Well	Diameter/Material	Screen Length	Ground Surface Elevation	Top of PVC Riser Elevation	Well Depth (ft bgs)	Screen Depth (ft bgs)		Screen/Borehole Elevation		Hydrogeologic Unit Monitored	Date Installed	Consultant Name
						From (Top)	To (Bottom)	Top	Bottom			
MW - 1	4" PVC	10	507.53	506.80	17.2	7.0	17.0	500.5	490.5	Fill/Till	1991	O'Brien & Gere
MW - 2	4" PVC	15	504.98	504.69	16.5	1.5	16.5	503.5	488.5	Fill/Till	1991	O'Brien & Gere
MW - 3	2" PVC	10	506.90	509.30	13.0	3.0	13.0	503.9	493.9	Fill/Till	1991	O'Brien & Gere
MW - 4	2" PVC	10	506.98	506.73	14.0	4.0	14.0	503.0	493.0	Fill/Till	1991	O'Brien & Gere
MW - 5	2" PVC	10	504.56	504.46	14.0	4.0	14.0	500.6	490.6	Fill/Till	1991	O'Brien & Gere
MW - 6	2" PVC	10	505.95	508.58	15.0	5.0	15.0	501.0	491.0	Fill/Till	--	O'Brien & Gere
MW - 7	2" PVC	15	507.44	506.94	21.0	6.0	21.0	501.4	486.4	Fill/Till	1993	O'Brien & Gere
MW - 8	2" PVC	10	505.76	505.76	14.5	4.5	14.5	501.3	491.3	Fill/Till	1993	O'Brien & Gere
MW - 9	2" PVC	10	505.26	505.15	13.5	3.5	13.5	501.8	491.8	Fill/Till	1993	O'Brien & Gere
MW - 10	2" PVC	10	504.83	504.48	14.0	4.0	14.0	500.8	490.8	Fill/Till	1993	O'Brien & Gere
MW - 11	2" PVC	20	507.26	507.03	25.0	5.0	25.0	502.3	482.3	Fill/Till	1993	O'Brien & Gere
MW - 12	2" PVC	10	508.59	508.34	23.4	13.0	23.0	495.6	485.6	Fill/Till	--	--
MW - 13S	2" PVC	5	506.27	506.03	7.0	2.0	7.0	504.3	499.3	Fill	2008	ARCADIS
MW - 13T	2" PVC	10	506.11	505.68	20.0	10.0	20.0	496.1	486.1	Till	2008	ARCADIS
MW - 13BR	2" PVC	10	506.48	506.28	45.0	35.0	45.0	471.5	461.5	Bedrock	2008	ARCADIS
MW - 14S	2" PVC	10	508.22	507.85	16.0	6.0	16.0	502.2	492.2	Undifferentiated Overburden	2008	ARCADIS
MW - 14BR	2" PVC	10	508.20	507.95	67.2	57.2	67.2	451.0	441.0	Bedrock	2008	ARCADIS
MW - 15S	2" PVC	10	507.66	507.46	20.0	10.0	20.0	497.7	487.7	Undifferentiated Overburden	2008	ARCADIS
MW - 15BR	2" PVC	10	507.54	507.29	67.6	57.6	67.6	449.9	439.9	Bedrock	2008	ARCADIS
PZ - 2	1.5" PVC	5	503.80	503.82	10.3	5.0	10.0	498.8	493.8	Fill/Till	--	--
PZ - 4	1.5" PVC	5	505.50	505.51	14.3	9.0	14.0	496.5	491.5	Fill/Till	--	--
PZ - 5	1.5" PVC	5	508.44	508.29	10.7	5.7	10.7	502.7	497.7	Till	--	--
PZ - 6	1.5" PVC	5	508.52	508.37	10.4	5.4	10.4	503.1	498.1	Till	--	--
PZ - 7	1.5" PVC	5	508.51	508.36	10.2	5.0	10.0	503.5	498.5	Till	--	--
PZ - 8	1.5" PVC	10	508.43	508.23	16.0	6.0	16.0	502.4	492.4	Till	2008	ARCADIS
PZ - 9	1.5" PVC	5	508.55	508.08	10.0	5.0	10.0	503.6	498.6	Till	2008	ARCADIS
PZ - 10	1.5" PVC	5	508.44	508.14	12.0	7.0	12.0	501.4	496.4	Fill	2008	ARCADIS
PZ - 11	1.5" PVC	2	505.93	505.82	8.5	6.5	8.5	499.4	497.4	Fill	2008	ARCADIS
PZ - 12	1.5" PVC	5	505.94	505.84	10.5	5.5	10.5	500.4	495.4	Fill	2008	ARCADIS
PZ - 13	1.5" PVC	2	504.08	503.85	8.5	6.5	8.5	497.6	495.6	Fill	2008	ARCADIS
PZ - 14	1.5" PVC	5	504.13	504.05	9.0	4.0	9.0	500.1	495.1	Fill	2008	ARCADIS
PZ - 15	1.5" PVC	2	504.72	504.43	8.5	6.5	8.5	498.2	496.2	Fill	2008	ARCADIS
PZ - 16	1.5" PVC	5	504.70	504.53	9.5	4.5	9.5	500.2	495.2	Fill	2008	ARCADIS

All elevations are reported as feet mean sea level (ft msl)
Construction details for MW-1, MW-6, PZ-2, and PZ-4 through PZ-7 estimated based on field measurements
-- = Unknown detail
Top of PVC pipe elevations for PZ-11 through PZ-16 are applicable to groundwater levels collected in December 2008.
Survey data is referenced horizontally to the NAD83 and projected on the New York State Plane Coordinate System (Central Zone)
The reference vertical benchmark is the finished floor elevation of the southeasterly corner of the Boiler House Building (Elevation 506.50 feet)

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Table 2. Groundwater Elevation Measurements, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.

Monitoring Well	Hydrogeologic Unit Monitored	Top of PVC Riser Elevation	Depth to water (from top of PVC riser)	Groundwater Elevation (ft)	Depth to water (from top of PVC riser)	Groundwater Elevation (ft)
			8/12/2008		10/1/2008	
MW - 1	Till	506.80	7.50	499.30	8.33	498.47
MW - 2	Fill/Till	504.69	5.45	499.24	6.21	498.48
MW - 3	Fill/Till	509.30	10.23	499.07	11.00	498.30
MW - 4	Fill/Till	506.73	11.06	495.67	12.13	494.60
MW - 5	Fill/Till	504.46	2.20	502.26	NM	---
MW - 6	Fill/Till	508.58	6.49	502.09	7.24	501.34
MW - 7	Fill/Till	506.94	7.49	499.45	7.02	499.92
MW - 8	Fill/Till	505.76	NM	---	7.73	498.03
MW - 9	Fill/Till	505.15	2.97	502.18	3.60	501.55
MW - 10	Fill/Till	504.48	4.24	500.24	5.32	499.16
MW - 11	Fill/Till	507.03	7.58	499.45	7.64	499.39
MW - 12	Fill/Till	508.34	NM	---	12.22	496.12
MW - 13S	Fill	506.03	6.80	499.23	7.22	498.81
MW - 13T	Till	505.68	6.35	499.33	7.20	498.48
MW - 13BR	Bedrock	506.28	37.11	469.17	11.97	494.31
MW - 14S	Undifferentiated Overburden	507.85	10.54	497.31	10.78	497.07
MW - 14BR	Bedrock	507.95	64.08	443.87	61.45	446.50
MW - 15S	Undifferentiated Overburden	507.46	8.64	498.82	8.88	498.58
MW - 15BR	Bedrock	507.29	63.58	443.71	59.50	447.79
PZ - 2	Fill	503.82	1.45	502.37	1.28	502.54
PZ - 4	Fill	505.51	NM	---	3.36	502.15
PZ - 5	Till	508.29	10.53	497.76	8.98	499.31
PZ - 6	Till	508.37	10.13	498.24	9.43	498.94
PZ - 7	Till	508.36	9.05	499.31	9.15	499.21
PZ - 8	Till	508.23	8.56	499.67	9.44	498.79
PZ - 9	Till	508.08	8.09	499.99	8.24	499.84
PZ - 10	Fill	508.14	9.11	499.03	9.18	498.96

All elevations are reported as feet mean sea level (ft msl)
Survey data is referenced horizontally to the NAD83 and projected on the New York State Plane Coordinate System (Central Zone)
The reference vertical benchmark is the finished floor elevation of the southeasterly corner of the Boiler House Building (Elevation 506.50 feet)

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Table 3. Sampling and Analysis Program for Soils and Groundwater, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

HYDROPUNCH GROUNDWATER SAMPLING

Sample ID	Analysis
	VOCs
HP (15)	x
HP (20)	x
HP (25)	x
HP (30)	x

MONITORING WELL AND PIEZOMETER GROUNDWATER SAMPLING

Sample ID	Analysis					
	July-August 2008		October 2008		February 2008	
	VOCs	**Metals[1] and Cyanide**	**VOCs**	**Metals[1] and Cyanide**	**VOCs**	**Metals[1] and Cyanide**
Piezometers						
PZ-2	X		X			
PZ-4	X					
PZ-5	X		X			
PZ-6	X		X			
PZ-7	X		X			
PZ-8	X		X			
PZ-9	X		X		X	
PZ-10	X		X			
Overburden Wells						
MW-1	X	X	X	X		
MW-2	X		X			
MW-3	X		X			
MW-4	X		X			
MW-5	X		X			
MW-7	X		X			
MW-9	X		X			
MW-10	X	X	X	X		
MW-11	X		X			
MW-13S	X					
MW-13T	X		X			
MW-14S	X		X			
MW-15S	X		X			
Bedrock Wells						
MW-13BR	X		X		X	
MW-14BR	X		X		X	
MW-15BR	X		X		X	
Source Water						
SINK					X	

Abbreviations and Footnotes are on page 3

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Table 3. Sampling and Analysis Program for Soils and Groundwater, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

TEST PIT INVESTIGATION

Sample ID	Sample Depth	Sample Type/Description	Analysis				
			VOCs	**Metals[1] and Cyanide**	**PCBs**		
Test Pit 1	0-7 ft	C	X	X	X		
Test Pit 2	0-7 ft	C	X	X	X		
			TLCP VOCs	**TCLP Metals[2]**	**TCLP Pest/ Herbs**	**TCLP SVOCs**	**Wet Chemistry**
Test Pit 1	7 ft	G	X	X	X	X	X

SOIL BORING INVESTIGATION

Sample ID	Sample Depth	Analysis		
		Exterior Borings, May through July 2008		
		VOCs	**Metals[1] and Cyanide**	**PCBs**
B-1/MW-14BR	2-4		X	
	4-6			X
	6-8	X		
	10-12			
	16-18	X		
	50-52	X		
B-2/MW-13BR	6-8			X
	8-10	X	X	
	10-12	X		
	28-28.9	X		
B-3/MW-15BR	8-10	X		
	14-16	X		
	22-24	X		
	52-52.3	X		
		Interior Borings, July 2008		
		VOCs	**Metals[1] and Cyanide**	**PCBs**
IB-1	2-4	X		
	6-8	X		
IB-2	0.75-1.75	X		
	8-8.5	X		
IB-3/PZ-8	8-10	X		
	16-16.2	X		
IB-4	2-2.4	X		
	6-6.8	X		
IB-5/PZ-9	1.3-1.7	X		
	6-8	X		
IB-6	2-2.4	X		
	8-8.9	X		
IB-7/PZ-10	4-4.4	X		
	8-8.9	X		

Abbreviations and Footnotes are on page 3

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Table 3. Sampling and Analysis Program for Soils and Groundwater, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

BEDDING INVESTIGATION		
	November 2008	December 2008
	CVOCs	**CVOCs**
PZ-11	X	X
PZ-12		X
PZ-13	X	X
PZ-14		X
PZ-15		X
PZ-16		X

STORM WATER SAMPLING			
	November 2008	December 2008	February 2009
	CVOCs	**CVOCs**	**CVOCs**
CB-1	X	X	
CB-2		X	
CB-3	X		
MH-1			X
MH-2			X

Notes:

TCL: Target Compunds List

VOCs: Volatile Organic Compounds (by USEPA Method 8260)

CVOCs: Chlorinated Volatile Organic Compounds

PCBs: Polychlorinated Biphenyls (by USEPA Method 8082)

TP: Test Pits

PZ: Piezometer

IB: Interior Boring

[1]Metal analysis include Silver, Lead, and Hexavalent Chromium

Metals include both Total and Dissolved Analysis

[2]TCLP Metals analysis include Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, and Silver

Silver (Ag) and Lead (Pb) Analysis by USEPA Method 6010B

Cyanide (CN^-)analysis by USEPA Method 9021A

Hexavalent Chromum analysis by USEPA Method 7196A.

D: Dissolved (Filtered)

T: Total (Unfiltered)

C: Composite Sample

G: Grab Sample

Wet Chemistry includes: Flashpoint, H2S release, HCN release, Leachable pH, Moisture Content

Abbreviations and Footnotes are on page 3

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Table 4. AOC 1 - Volatile Organic Compounds in Hydropunch Groundwater Samples, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New york

CONSTITUENT	NYSDEC GW STANDARDS	HP (15) [15-feet bgs] 5/22/2008	HP (20) [20-feet bgs] 5/23/2008	HP (25) [25-feet bgs] 5/23/2008	HP (30) [30-feet bgs] 5/23/2008
1,1,1-TRICHLOROETHANE	5	< 5	< 5	< 5	< 5
1,1,2,2-TETRACHLOROETHANE	5	< 5	< 5	< 5	< 5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 5	< 5	< 5	< 5
1,1,2-TRICHLOROETHANE	1	< 5	< 5	< 5	< 5
1,1-DICHLOROETHANE	5	**14**	4.7 J	< 5	< 5
1,1-DICHLOROETHENE	0.7	**0.90 J**	< 5	< 5	< 5
1,2,4-TRICHLOROBENZENE	5	< 5	< 5	< 5	< 5
1,2-DIBROMO-3-CHLOROPROPANE	0.04	< 5	< 5	< 5	< 5
1,2-DIBROMOETHANE	NS	< 5	< 5	< 5	< 5
1,2-DICHLOROBENZENE	3	< 5	< 5	< 5	< 5
1,2-DICHLOROETHANE	0.6	< 5	< 5	< 5	< 5
1,2-DICHLOROPROPANE	1	< 5	< 5	< 5	< 5
1,3-DICHLOROBENZENE	3	< 5	< 5	< 5	< 5
1,4-DICHLOROBENZENE	3	< 5	< 5	< 5	< 5
2-BUTANONE	50	< 25	< 25	1.5 J	< 25
2-HEXANONE	50	< 25	< 25	< 25	< 25
4-METHYL-2-PENTANONE	NS	< 25	< 25	< 25	< 25
ACETONE	50	7.0 J	12 J	10 J	8.1 J
BENZENE	1	< 5	< 5	< 5	< 5
BROMODICHLOROMETHANE	50	< 5	< 5	< 5	< 5
BROMOFORM	50	< 5	< 5	< 5	< 5
BROMOMETHANE	5	< 5	< 5	< 5	< 5
CARBON DISULFIDE	NS	< 5	< 5	< 5	< 5
CARBON TETRACHLORIDE	5	< 5	< 5	< 5	< 5
CHLOROBENZENE	5	< 5	< 5	< 5	< 5
CHLOROETHANE	5	< 5	< 5	< 5	< 5
CHLOROFORM	7	< 5	< 5	< 5	< 5
CHLOROMETHANE	NS	< 5	< 5	< 5	< 5
CIS-1,2-DICHLOROETHENE	5	**40**	**17**	1.6 J	< 5
CIS-1,3-DICHLOROPROPENE	0.4	< 5	< 5	< 5	< 5
CYCLOHEXANE	NS	< 5	< 5	< 5	< 5
DIBROMOCHLOROMETHANE	5	< 5	< 5	< 5	< 5
DICHLORODIFLUOROMETHANE	5	< 5	< 5	< 5	< 5
ETHYLBENZENE	5	< 5	< 5	< 5	< 5
ISOPROPYLBENZENE	5	< 5	< 5	< 5	< 5
METHYL ACETATE	NS	< 5	< 5	< 5	< 5
METHYL-T-BUTYL ETHER (MTBE)	NS	< 5	< 5	< 5	< 5
METHYLCYCLOHEXANE	NS	< 5	< 5	< 5	< 5
METHYLENE CHLORIDE	5	< 5	< 5	< 5	< 5
STYRENE (MONOMER)	5	< 5	< 5	< 5	< 5
TETRACHLOROETHENE	5	**9.2**	4.9 J	< 5	< 5
TOLUENE	5	< 5	< 6	< 5	< 5
XYLENE (TOTAL)	5	< 15	< 15	< 15	< 15
TRANS-1,2-DICHLOROETHENE	5	1.7 J	0.54 J	< 5	< 5
TRANS-1,3-DICHLOROPROPENE	0.4	< 5	< 6	< 5	< 5
TRICHLOROETHENE	5	**28**	**16**	< 5	< 5
TRICHLOROFLUOROMETHANE	5	< 5	< 6	< 5	< 5
VINYL CHLORIDE	2	**20**	**14**	1.8 J	< 5

Notes:
Data compared to TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values
NS - No Standard
All units are ug/L unless otherwise noted
bgs - below ground surface
Exceedences noted in **bold**.
J - Estimated Value

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Table 5. AOC 1 - Volatile Organic Compounds in Groundwater Samples, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

	NYSDEC GW	PZ-2		PZ-4	PZ-5		PZ-6	
CONSTITUENT	STANDARDS	7/29/2008	10/2/2008	7/30/2008	8/6/2008	10/2/2008	8/6/2008	10/2/2008
1,1,1-TRICHLOROETHANE	5	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
1,1,2,2-TETRACHLOROETHANE	5	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 5 J	< 1	1.7 J	< 20 J	< 4	< 20 J	< 4
1,1,2-TRICHLOROETHANE	1	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
1,1-DICHLOROETHANE	5	< 5 J	< 1	0.90 J	< 20 J	< 4	< 20 J	< 4
1,1-DICHLOROETHENE	0.7	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
1,2,4-TRICHLOROBENZENE	5	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
1,2-DIBROMO-3-CHLOROPROPANE	0.04	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
1,2-DIBROMOETHANE	NS	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
1,2-DICHLOROBENZENE	3	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
1,2-DICHLOROETHANE	0.6	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
1,2-DICHLOROPROPANE	1	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
1,3-DICHLOROBENZENE	3	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
1,4-DICHLOROBENZENE	3	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
2-BUTANONE	50	2.6 J	< 5	< 25	< 100 J	< 20	< 100 J	< 20
2-HEXANONE	50	< 25 J	< 5	< 25	< 100 J	< 20	< 100 J	< 20
4-METHYL-2-PENTANONE	NS	< 25 J	< 5	< 25	< 100 J	< 20	< 100 J	< 20
ACETONE	50	17 J	11	< 25	41 J	< 20	45 J	< 20
BENZENE	1	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
BROMODICHLOROMETHANE	50	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
BROMOFORM	50	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
BROMOMETHANE	5	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
CARBON DISULFIDE	NS	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
CARBON TETRACHLORIDE	5	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
CHLOROBENZENE	5	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
CHLOROETHANE	5	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
CHLOROFORM	7	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
CHLOROMETHANE	NS	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
CIS-1,2-DICHLOROETHENE	5	< 5 J	< 1	2.7 J	**26 J**	**87**	**19 J**	**62**
CIS-1,3-DICHLOROPROPENE	0.4	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
CYCLOHEXANE	NS	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
DIBROMOCHLOROMETHANE	5	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
DICHLORODIFLUOROMETHANE	5	< 5 J	< 1	3.0 J	< 20 J	< 4	< 20 J	< 4
ETHYLBENZENE	5	< 5 J	< 1	< 5	**10 J**	1.7 J	< 20 J	< 4
ISOPROPYLBENZENE	5	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
METHYL ACETATE	NS	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
METHYL-T-BUTYL ETHER (MTBE)	NS	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
METHYLCYCLOHEXANE	NS	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
METHYLENE CHLORIDE	5	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
STYRENE (MONOMER)	5	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
TETRACHLOROETHENE	5	0.43 J	0.52 J	0.80 J	**8.6 J**	4.2	**14 J**	< 4
TOLUENE	5	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
XYLENE (TOTAL)	5	< 15 J	< 3	< 15	**34 J**	3.9 J	< 20 J	< 12
TRANS-1,2-DICHLOROETHENE	5	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
TRANS-1,3-DICHLOROPROPENE	0.4	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
TRICHLOROETHENE	5	< 5 J	< 1	< 5	**9.5 J**	**37**	**19 J**	**14**
TRICHLOROFLUOROMETHANE	5	< 5 J	< 1	< 5	< 20 J	< 4	< 20 J	< 4
VINYL CHLORIDE	2	< 5 J	< 1	< 5	**5.9 J**	**37**	**9.6 J**	**25**

Notes:
Data compared to TOGS 1.1.1 Ambient
Water Quality Standards and Guidance Values
NS - No Standard
All units are ug/L unless otherwise noted
Exceedences noted in **bold**.
J - Estimated Value

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Table 5. AOC 1 - Volatile Organic Compounds in Groundwater Samples, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

	NYSDEC GW	PZ-7		PZ-8		PZ-9		
CONSTITUENT	STANDARDS	8/6/2008	10/2/2008	8/6/2008	10/2/2008	8/6/2008	10/2/2008	2/5/2009
1,1,1-TRICHLOROETHANE	5	1.1 J	< 1	< 20 J	< 4	< 5	< 1	<1
1,1,2,2-TETRACHLOROETHANE	5	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 5 J	< 1	< 20 J	< 4	< 5 J	< 1	<1
1,1,2-TRICHLOROETHANE	1	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
1,1-DICHLOROETHANE	5	0.91 J	< 1	< 20 J	< 4	3.0 J	1.9	1.3
1,1-DICHLOROETHENE	0.7	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
1,2,4-TRICHLOROBENZENE	5	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
1,2-DIBROMO-3-CHLOROPROPANE	0.04	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
1,2-DIBROMOETHANE	NS	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
1,2-DICHLOROBENZENE	3	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
1,2-DICHLOROETHANE	0.6	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
1,2-DICHLOROPROPANE	1	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
1,3-DICHLOROBENZENE	3	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
1,4-DICHLOROBENZENE	3	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
2-BUTANONE	50	< 25	< 5	< 100 J	< 20	2.6 J	< 5	<5
2-HEXANONE	50	< 25	< 5	< 100 J	< 20	< 25	< 5	<5
4-METHYL-2-PENTANONE	NS	< 25	< 5	< 100 J	< 20	< 25	< 5	<5
ACETONE	50	33	13	**770 J**	37	**150**	6.9	6.3
BENZENE	1	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
BROMODICHLOROMETHANE	50	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
BROMOFORM	50	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
BROMOMETHANE	5	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
CARBON DISULFIDE	NS	< 5	< 1	< 20 J	< 4	< 5	3.2	0.45 J
CARBON TETRACHLORIDE	5	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
CHLOROBENZENE	5	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
CHLOROETHANE	5	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
CHLOROFORM	7	< 5	< 1	**20 J**	**8.2**	0.40 J	< 1	<1
CHLOROMETHANE	NS	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
CIS-1,2-DICHLOROETHENE	5	< 5	< 1	1.8 J	5.0	< 5	< 1	<1
CIS-1,3-DICHLOROPROPENE	0.4	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
CYCLOHEXANE	NS	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
DIBROMOCHLOROMETHANE	5	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
DICHLORODIFLUOROMETHANE	5	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
ETHYLBENZENE	5	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
ISOPROPYLBENZENE	5	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
METHYL ACETATE	NS	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
METHYL-T-BUTYL ETHER (MTBE)	NS	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
METHYLCYCLOHEXANE	NS	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
METHYLENE CHLORIDE	5	< 5	< 1	< 20 J	4.8	1.5 J	< 1	**8.6**
STYRENE (MONOMER)	5	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
TETRACHLOROETHENE	5	< 5	< 1	**14 J**	**41**	< 5	< 1	<1
TOLUENE	5	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
XYLENE (TOTAL)	5	< 15	< 3	< 60 J	< 12	< 15	< 3	<3
TRANS-1,2-DICHLOROETHENE	5	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
TRANS-1,3-DICHLOROPROPENE	0.4	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
TRICHLOROETHENE	5	0.94 J	< 1	4.1 J	**9.4**	< 5	< 1	0.27 J
TRICHLOROFLUOROMETHANE	5	< 5	< 1	< 20 J	< 4	< 5	< 1	<1
VINYL CHLORIDE	2	< 5	< 1	< 20 J	< 4	< 5	< 1	<1

Notes:
Data compared to TOGS 1.1.1 Ambient
Water Quality Standards and Guidance Values
NS - No Standard
All units are ug/L unless otherwise noted
Exceedences noted in **bold**.
J - Estimated Value

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Table 5. AOC 1 - Volatile Organic Compounds in Groundwater Samples, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

	NYSDEC GW	PZ-10		MW-1		MW-2		MW-3	
CONSTITUENT	STANDARDS	8/6/2008	10/2/2008	7/30/2008	10/3/2008	7/30/2008	10/2/2008	7/30/2008	10/2/2008
1,1,1-TRICHLOROETHANE	5	< 5	< 1	< 5	< 1	0.57 J	< 1	< 5	< 1
1,1,2,2-TETRACHLOROETHANE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 5 J	< 1	< 5	< 1	< 5	< 1	< 5	< 1
1,1,2-TRICHLOROETHANE	1	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
1,1-DICHLOROETHANE	5	1.3	< 1	**8.3**	**6.0**	**7.0**	**5.3**	**5.2**	5.0
1,1-DICHLOROETHENE	0.7	< 5	< 1	0.57 J	< 1	< 5	< 1	< 5	< 1
1,2,4-TRICHLOROBENZENE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
1,2-DIBROMO-3-CHLOROPROPANE	0.04	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
1,2-DIBROMOETHANE	NS	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
1,2-DICHLOROBENZENE	3	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
1,2-DICHLOROETHANE	0.6	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
1,2-DICHLOROPROPANE	1	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
1,3-DICHLOROBENZENE	3	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
1,4-DICHLOROBENZENE	3	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
2-BUTANONE	50	2.7 J	< 5	< 25	< 5	< 25	< 5	< 25	< 5
2-HEXANONE	50	< 25	< 5	< 25	< 5	< 25	< 5	< 25	< 5
4-METHYL-2-PENTANONE	NS	< 25	< 5	< 25	< 5	< 25	< 5	< 25	< 5
ACETONE	50	26	7.2	< 25	< 5	< 25	< 5	< 25	< 5
BENZENE	1	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
BROMODICHLOROMETHANE	50	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
BROMOFORM	50	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
BROMOMETHANE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
CARBON DISULFIDE	NS	< 5	2.6	< 5	< 1	< 5	< 1	< 5	< 1
CARBON TETRACHLORIDE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
CHLOROBENZENE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
CHLOROETHANE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
CHLOROFORM	7	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
CHLOROMETHANE	NS	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
CIS-1,2-DICHLOROETHENE	5	< 5	< 1	**54**	**43**	**12**	**11**	**53**	**86**
CIS-1,3-DICHLOROPROPENE	0.4	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
CYCLOHEXANE	NS	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
DIBROMOCHLOROMETHANE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
DICHLORODIFLUOROMETHANE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
ETHYLBENZENE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
ISOPROPYLBENZENE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
METHYL ACETATE	NS	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
METHYL-T-BUTYL ETHER (MTBE)	NS	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
METHYLCYCLOHEXANE	NS	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
METHYLENE CHLORIDE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
STYRENE (MONOMER)	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
TETRACHLOROETHENE	5	< 5	< 1	**60**	**18**	< 5	< 1	**40**	**12**
TOLUENE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
XYLENE (TOTAL)	5	< 15	< 3	< 15	< 3	< 15	< 3	< 15	< 3
TRANS-1,2-DICHLOROETHENE	5	< 5	< 1	2.0 J	1.6	2.1 J	2.1	1.6 J	1.6
TRANS-1,3-DICHLOROPROPENE	0.4	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
TRICHLOROETHENE	5	< 5	0.54 J	**18**	**7.6**	0.62 J	< 1	**55**	**29**
TRICHLOROFLUOROMETHANE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5	< 1
VINYL CHLORIDE	2	< 5	< 1	**4.7 J**	**3.9**	**36**	**28**	**4.8 J**	**4.0**

Notes:
Data compared to TOGS 1.1.1 Ambient
Water Quality Standards and Guidance Values
NS - No Standard
All units are ug/L unless otherwise noted
Exceedences noted in **bold**.
J - Estimated Value

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Table 5. AOC 1 - Volatile Organic Compounds in Groundwater Samples, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

	NYSDEC GW	MW-4		MW-5		MW-7	
CONSTITUENT	STANDARDS	7/30/2008	10/2/2008	7/30/2008	10/3/2008	7/29/2008	10/1/2008
1,1,1-TRICHLOROETHANE	5	< 5	< 1	< 5	< 1	< 5 J	< 1
1,1,2,2-TETRACHLOROETHANE	5	< 5	< 1	< 5	< 1	< 5 J	< 1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 5	< 1	< 5	< 1	< 5 J	< 1
1,1,2-TRICHLOROETHANE	1	< 5	< 1	< 5	< 1	< 5 J	< 1
1,1-DICHLOROETHANE	5	1.1 J	1.9	< 5	< 1	< 5 J	< 1
1,1-DICHLOROETHENE	0.7	< 5	< 1	< 5	< 1	< 5 J	< 1
1,2,4-TRICHLOROBENZENE	5	< 5	< 1	< 5	< 1	< 5 J	< 1
1,2-DIBROMO-3-CHLOROPROPANE	0.04	< 5	< 1	< 5	< 1	< 5 J	< 1
1,2-DIBROMOETHANE	NS	< 5	< 1	< 5	< 1	< 5 J	< 1
1,2-DICHLOROBENZENE	3	< 5	< 1	< 5	< 1	< 5 J	< 1
1,2-DICHLOROETHANE	0.6	< 5	< 1	< 5	< 1	< 5 J	< 1
1,2-DICHLOROPROPANE	1	< 5	< 1	< 5	< 1	< 5 J	< 1
1,3-DICHLOROBENZENE	3	< 5	< 1	< 5	< 1	< 5 J	< 1
1,4-DICHLOROBENZENE	3	< 5	< 1	< 5	< 1	< 5 J	< 1
2-BUTANONE	50	< 25	< 5	< 25	< 5	< 25 J	< 5
2-HEXANONE	50	< 25	< 5	< 25	< 5	< 25 J	< 5
4-METHYL-2-PENTANONE	NS	< 25	< 5	< 25	< 5	< 25 J	< 5
ACETONE	50	< 25	< 5	< 25	14	4.4 J	6.1
BENZENE	1	< 5	< 1	< 5	< 1	< 5 J	< 1
BROMODICHLOROMETHANE	50	< 5	< 1	< 5	< 1	< 5 J	< 1
BROMOFORM	50	< 5	< 1	< 5	< 1	< 5 J	< 1
BROMOMETHANE	5	< 5	< 1	< 5	< 1	< 5 J	< 1
CARBON DISULFIDE	NS	< 5	< 1	< 5	< 1	< 5 J	< 1
CARBON TETRACHLORIDE	5	< 5	< 1	< 5	< 1	< 5 J	< 1
CHLOROBENZENE	5	< 5	< 1	< 5	< 1	< 5 J	< 1
CHLOROETHANE	5	< 5	< 1	< 5	< 1	< 5 J	< 1
CHLOROFORM	7	< 5	< 1	< 5	< 1	< 5 J	< 1
CHLOROMETHANE	NS	< 5	< 1	< 5	< 1	< 5 J	< 1
CIS-1,2-DICHLOROETHENE	5	4.6 J	**7.1**	< 5	< 1	< 5 J	< 1
CIS-1,3-DICHLOROPROPENE	0.4	< 5	< 1	< 5	< 1	< 5 J	< 1
CYCLOHEXANE	NS	< 5	< 1	< 5	< 1	< 5 J	< 1
DIBROMOCHLOROMETHANE	5	< 5	< 1	< 5	< 1	< 5 J	< 1
DICHLORODIFLUOROMETHANE	5	< 5	< 1	< 5	< 1	< 5 J	< 1
ETHYLBENZENE	5	< 5	< 1	< 5	< 1	< 5 J	< 1
ISOPROPYLBENZENE	5	< 5	< 1	< 5	< 1	< 5 J	< 1
METHYL ACETATE	NS	< 5	< 1	< 5	< 1	< 5 J	< 1
METHYL-T-BUTYL ETHER (MTBE)	NS	< 5	< 1	< 5	< 1	< 5 J	< 1
METHYLCYCLOHEXANE	NS	< 5	< 1	< 5	< 1	< 5 J	< 1
METHYLENE CHLORIDE	5	< 5	< 1	< 5	< 1	< 5 J	< 1
STYRENE (MONOMER)	5	< 5	< 1	< 5	< 1	< 5 J	< 1
TETRACHLOROETHENE	5	< 5	< 1	< 5	< 1	< 5 J	< 1
TOLUENE	5	< 5	< 1	< 5	< 1	< 5 J	< 1
XYLENE (TOTAL)	5	< 15	< 3	< 15	< 3	< 15 J	< 3
TRANS-1,2-DICHLOROETHENE	5	< 5	< 1	< 5	< 1	< 5 J	< 1
TRANS-1,3-DICHLOROPROPENE	0.4	< 5	< 1	< 5	< 1	< 5 J	< 1
TRICHLOROETHENE	5	< 5	< 1	< 5	< 1	0.68 J	0.98 J
TRICHLOROFLUOROMETHANE	5	< 5	< 1	< 5	< 1	< 5 J	< 1
VINYL CHLORIDE	2	2.0 J	**3.2**	< 5	< 1	< 5 J	< 1

Notes:
Data compared to TOGS 1.1.1 Ambient
Water Quality Standards and Guidance Values
NS - No Standard
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Exceedences noted in **bold**.
J - Estimated Value

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Table 5. AOC 1 - Volatile Organic Compounds in Groundwater Samples, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

	NYSDEC GW	MW-9		MW-10		MW-11		MW-13S
CONSTITUENT	STANDARDS	7/30/2008	10/2/2008	7/30/2008	10/3/2008	7/29/2008	10/1/2008	7/30/2008
1,1,1-TRICHLOROETHANE	5	< 5	< 1	< 5	< 1	< 5	< 1	1.2 J
1,1,2,2-TETRACHLOROETHANE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5
1,1,2-TRICHLOROETHANE	1	< 5	< 1	< 5	< 1	< 5	< 1	< 5
1,1-DICHLOROETHANE	5	0.88 J	< 1	6.9	2.0	< 5	< 1	4.6 J
1,1-DICHLOROETHENE	0.7	< 5	< 1	< 5	< 1	< 5	< 1	< 5
1,2,4-TRICHLOROBENZENE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5
1,2-DIBROMO-3-CHLOROPROPANE	0.04	< 5	< 1	< 5	< 1	< 5	< 1	< 5
1,2-DIBROMOETHANE	NS	< 5	< 1	< 5	< 1	< 5	< 1	< 5
1,2-DICHLOROBENZENE	3	< 5	< 1	< 5	< 1	< 5	< 1	< 5
1,2-DICHLOROETHANE	0.6	< 5	< 1	< 5	< 1	< 5	< 1	< 5
1,2-DICHLOROPROPANE	1	< 5	< 1	< 5	< 1	< 5	< 1	< 5
1,3-DICHLOROBENZENE	3	< 5	< 1	< 5	< 1	< 5	< 1	< 5
1,4-DICHLOROBENZENE	3	< 5	< 1	< 5	< 1	< 5	< 1	< 5
2-BUTANONE	50	< 25	< 5	< 25	< 5	< 25	< 5	< 25
2-HEXANONE	50	< 25	< 5	< 25	< 5	< 25	< 5	< 25
4-METHYL-2-PENTANONE	NS	< 25	< 5	< 25	< 5	< 25	< 5	< 25
ACETONE	50	< 25	12	< 25	< 5	< 25	< 5	< 25
BENZENE	1	< 5	< 1	< 5	< 1	< 5	< 1	< 5
BROMODICHLOROMETHANE	50	< 5	< 1	< 5	< 1	< 5	< 1	< 5
BROMOFORM	50	< 5	< 1	< 5	< 1	< 5	< 1	< 5
BROMOMETHANE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5
CARBON DISULFIDE	NS	< 5	< 1	< 5	< 1	< 5	2.8	< 5
CARBON TETRACHLORIDE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5
CHLOROBENZENE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5
CHLOROETHANE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5
CHLOROFORM	7	< 5	< 1	< 5	< 1	< 5	< 1	< 5
CHLOROMETHANE	NS	< 5	< 1	< 5	< 1	< 5	< 1	< 5
CIS-1,2-DICHLOROETHENE	5	2.5 J	< 1	**41**	**25**	< 5	< 1	< 5
CIS-1,3-DICHLOROPROPENE	0.4	< 5	< 1	< 5	< 1	< 5	< 1	< 5
CYCLOHEXANE	NS	< 5	< 1	< 5	< 1	< 5	< 1	< 5
DIBROMOCHLOROMETHANE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5
DICHLORODIFLUOROMETHANE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5
ETHYLBENZENE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5
ISOPROPYLBENZENE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5
METHYL ACETATE	NS	< 5	< 1	< 5	< 1	< 5	< 1	< 5
METHYL-T-BUTYL ETHER (MTBE)	NS	< 5	< 1	< 5	< 1	< 5	< 1	< 5
METHYLCYCLOHEXANE	NS	< 5	< 1	< 5	< 1	< 5	< 1	< 5
METHYLENE CHLORIDE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5
STYRENE (MONOMER)	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5
TETRACHLOROETHENE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5
TOLUENE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5
XYLENE (TOTAL)	5	< 15	< 3	< 5	< 3	< 15	< 3	< 15
TRANS-1,2-DICHLOROETHENE	5	1.2 J	< 1	3.3 J	1.6	< 5	< 1	< 5
TRANS-1,3-DICHLOROPROPENE	0.4	< 5	< 1	< 5	< 1	< 5	< 1	< 5
TRICHLOROETHENE	5	< 5	< 1	3.9 J	1.7	< 5	< 1	0.53 J
TRICHLOROFLUOROMETHANE	5	< 5	< 1	< 5	< 1	< 5	< 1	< 5
VINYL CHLORIDE	2	**7.8**	< 1	**38**	**22**	< 5	< 1	< 5

Notes:
Data compared to TOGS 1.1.1 Ambient
Water Quality Standards and Guidance Values
NS - No Standard
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Exceedences noted in **bold**.
J - Estimated Value

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Table 5. AOC 1 - Volatile Organic Compounds in Groundwater Samples, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

	NYSDEC GW	MW-13T		MW-13BR			MW-14S	
CONSTITUENT	STANDARDS	7/30/2008	10/3/2008	7/30/2008	10/3/2008	2/5/2009	7/29/2008	10/1/2008
1,1,1-TRICHLOROETHANE	5	< 5	< 1	< 5	< 1	<1	< 5	< 1
1,1,2,2-TETRACHLOROETHANE	5	< 5	< 1	< 5	< 1	<1	< 5	< 1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 5	< 1	< 5	< 1	<1	< 5	< 1
1,1,2-TRICHLOROETHANE	1	< 5	< 1	< 5	< 1	<1	< 5	< 1
1,1-DICHLOROETHANE	5	**6.2**	< 1	< 5	< 1	<1	< 5	< 1
1,1-DICHLOROETHENE	0.7	< 5	< 1	< 5	< 1	<1	< 5	< 1
1,2,4-TRICHLOROBENZENE	5	< 5	< 1	< 5	< 1	<1	< 5	< 1
1,2-DIBROMO-3-CHLOROPROPANE	0.04	< 5	< 1	< 5	< 1	<1	< 5	< 1
1,2-DIBROMOETHANE	NS	< 5	< 1	< 5	< 1	<1	< 5	< 1
1,2-DICHLOROBENZENE	3	< 5	< 1	< 5	< 1	<1	< 5	< 1
1,2-DICHLOROETHANE	0.6	< 5	< 1	< 5	< 1	<1	< 5	< 1
1,2-DICHLOROPROPANE	1	< 5	< 1	< 5	< 1	<1	< 5	< 1
1,3-DICHLOROBENZENE	3	< 5	< 1	< 5	< 1	<1	< 5	< 1
1,4-DICHLOROBENZENE	3	< 5	< 1	< 5	< 1	<1	< 5	< 1
2-BUTANONE	50	< 25	< 5	< 25	< 5	<5	< 25	< 5
2-HEXANONE	50	< 25	< 5	< 25	< 5	<5	< 25	< 5
4-METHYL-2-PENTANONE	NS	< 25	< 5	< 25	< 5	<5	< 25	< 5
ACETONE	50	< 25	10	< 25	< 5	3.8 J	2.3 J	< 5
BENZENE	1	< 5	< 1	< 5	< 1	<1	< 5	< 1
BROMODICHLOROMETHANE	50	< 5	< 1	< 5	< 1	<1	< 5	< 1
BROMOFORM	50	< 5	< 1	< 5	< 1	<1	< 5	< 1
BROMOMETHANE	5	< 5	< 1	< 5	< 1	<1	< 5 J	< 1
CARBON DISULFIDE	NS	< 5	< 1	< 5	< 1	<1	0.26 J	2.8
CARBON TETRACHLORIDE	5	< 5	< 1	< 5	< 1	<1	< 5	< 1
CHLOROBENZENE	5	< 5	< 1	< 5	< 1	<1	< 5	< 1
CHLOROETHANE	5	< 5	< 1	< 5	< 1	<1	< 5	< 1
CHLOROFORM	7	< 5	< 1	< 5	< 1	<1	2.2 J	2.1
CHLOROMETHANE	NS	< 5	< 1	< 5	< 1	<1	< 5	< 1
CIS-1,2-DICHLOROETHENE	5	2.5 J	< 1	< 5	< 1	<1	< 5	< 1
CIS-1,3-DICHLOROPROPENE	0.4	< 5	< 1	< 5	< 1	<1	< 5	< 1
CYCLOHEXANE	NS	< 5	< 1	< 5	< 1	<1	< 5	< 1
DIBROMOCHLOROMETHANE	5	< 5	< 1	< 5	< 1	<1	< 5	< 1
DICHLORODIFLUOROMETHANE	5	< 5	< 1	< 5	< 1	<1	< 5	< 1
ETHYLBENZENE	5	< 5	< 1	< 5	< 1	<1	< 5	< 1
ISOPROPYLBENZENE	5	< 5	< 1	< 5	< 1	<1	< 5	< 1
METHYL ACETATE	NS	< 5	< 1	< 5	< 1	<1	< 5	< 1
METHYL-T-BUTYL ETHER (MTBE)	NS	< 5	< 1	< 5	< 1	<1	< 5	< 1
METHYLCYCLOHEXANE	NS	< 5	< 1	< 5	< 1	<1	< 5	< 1
METHYLENE CHLORIDE	5	< 5	< 1	< 5	< 1	<1	< 5	< 1
STYRENE (MONOMER)	5	< 5	< 1	< 5	< 1	<1	< 5	< 1
TETRACHLOROETHENE	5	< 5	< 1	< 5	< 1	<1	< 5	< 1
TOLUENE	5	< 5	< 1	< 5	< 1	<1	< 5	< 1
XYLENE (TOTAL)	5	< 15	< 3	< 15	< 3	<3	< 15	< 3
TRANS-1,2-DICHLOROETHENE	5	0.71 J	< 1	< 5	< 1	<1	< 5	< 1
TRANS-1,3-DICHLOROPROPENE	0.4	< 5	< 1	< 5	< 1	<1	< 5	< 1
TRICHLOROETHENE	5	< 5	< 1	< 5	< 1	<1	< 5	< 1
TRICHLOROFLUOROMETHANE	5	< 5	< 1	< 5	< 1	<1	< 5	< 1
VINYL CHLORIDE	2	**26**	< 1	< 5	< 1	<1	< 5	< 1

Notes:
Data compared to TOGS 1.1.1 Ambient
Water Quality Standards and Guidance Values
NS - No Standard
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Exceedences noted in **bold**.
J - Estimated Value

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Table 5. AOC 1 - Volatile Organic Compounds in Groundwater Samples, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

	NYSDEC GW	MW-14BR			MW-15S		MW-15BR		
CONSTITUENT	STANDARDS	7/29/2008	10/1/2008	2/5/2009	7/29/2008	10/3/2008	7/29/2008	10/1/2008	2/5/2009
1,1,1-TRICHLOROETHANE	5	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
1,1,2,2-TETRACHLOROETHANE	5	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
1,1,2-TRICHLOROETHANE	1	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
1,1-DICHLOROETHANE	5	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
1,1-DICHLOROETHENE	0.7	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
1,2,4-TRICHLOROBENZENE	5	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
1,2-DIBROMO-3-CHLOROPROPANE	0.04	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
1,2-DIBROMOETHANE	NS	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
1,2-DICHLOROBENZENE	3	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
1,2-DICHLOROETHANE	0.6	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
1,2-DICHLOROPROPANE	1	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
1,3-DICHLOROBENZENE	3	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
1,4-DICHLOROBENZENE	3	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
2-BUTANONE	50	< 200	< 5	<5	< 25	< 5	< 25	< 5	1.4 J
2-HEXANONE	50	< 200	< 5	<5	< 25	< 5	< 25	< 5	<5
4-METHYL-2-PENTANONE	NS	< 200	< 5	<5	< 25	< 5	< 25	< 5	<5
ACETONE	50	**2100**	**380**	25	1.3 J	5.0	6.0 J	5.8	7.2
BENZENE	1	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
BROMODICHLOROMETHANE	50	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
BROMOFORM	50	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
BROMOMETHANE	5	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
CARBON DISULFIDE	NS	< 40	3.0	<1	< 5	2.8	0.30 J	2.6	<1
CARBON TETRACHLORIDE	5	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
CHLOROBENZENE	5	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
CHLOROETHANE	5	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
CHLOROFORM	7	**14 J**	**7.5**	3.3	4.3 J	4.5	**11**	5.4	1.1
CHLOROMETHANE	NS	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
CIS-1,2-DICHLOROETHENE	5	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
CIS-1,3-DICHLOROPROPENE	0.4	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
CYCLOHEXANE	NS	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
DIBROMOCHLOROMETHANE	5	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
DICHLORODIFLUOROMETHANE	5	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
ETHYLBENZENE	5	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
ISOPROPYLBENZENE	5	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
METHYL ACETATE	NS	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
METHYL-T-BUTYL ETHER (MTBE)	NS	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
METHYLCYCLOHEXANE	NS	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
METHYLENE CHLORIDE	5	< 40	1.4	<1	< 5	< 1	< 5	0.73 J	<1
STYRENE (MONOMER)	5	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
TETRACHLOROETHENE	5	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
TOLUENE	5	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
XYLENE (TOTAL)	5	< 120	< 3	<3	< 15	< 3	< 15	< 3	<3
TRANS-1,2-DICHLOROETHENE	5	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
TRANS-1,3-DICHLOROPROPENE	0.4	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
TRICHLOROETHENE	5	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
TRICHLOROFLUOROMETHANE	5	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1
VINYL CHLORIDE	2	< 40	< 1	<1	< 5	< 1	< 5	< 1	<1

Notes:
Data compared to TOGS 1.1.1 Ambient
Water Quality Standards and Guidance Values
NS - No Standard
All units are ug/L unless otherwise noted
Exceedences noted in **bold**.
J - Estimated Value

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Table 6. AOC 1 - Metals in Groundwater Samples, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

CONSTITUENT	NYSDEC STANDARDS	MW-1		MW-10	
		7/30/2008	10/3/2008	7/30/2008	10/3/2008
METALS (TOTAL)					
LEAD	0.025	< 0.005	< 0.005	< 0.005	0.0094
SILVER	0.05	< 0.003	< 0.003	< 0.003	< 0.003
HEXAVALENT CHROMIUM	0.05	< 0.010	< 0.010	< 0.010	< 0.010
CYANIDE	0.2	< 0.010	< 0.010	< 0.010	< 0.010
METALS (DISSOLVED)					
LEAD	0.025	< 0.005	< 0.005	< 0.005	< 0.005
SILVER	0.05	< 0.003	< 0.003	< 0.003	< 0.003
HEXAVALENT CHROMIUM	0.05	< 0.010	< 0.010	< 0.010	< 0.010
OTHER					
CYANIDE	0.2	< 0.010	< 0.010	< 0.010	< 0.010

Notes:
Data compared to TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values
NS - No Standard
All units are mg/L
Exceedences noted in **bold**.

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Table 7. Municipal Water Supply Data, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

CONSTITUENT	NYSDEC GW STANDARDS	SINK 2/5/2009
1,1,1-TRICHLOROETHANE	5	<1
1,1,2,2-TETRACHLOROETHANE	5	<1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<1
1,1,2-TRICHLOROETHANE	1	<1
1,1-DICHLOROETHANE	5	<1
1,1-DICHLOROETHENE	0.7	<1
1,2,4-TRICHLOROBENZENE	5	<1
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<1
1,2-DIBROMOETHANE	NS	<1
1,2-DICHLOROBENZENE	3	<1
1,2-DICHLOROETHANE	0.6	<1
1,2-DICHLOROPROPANE	1	<1
1,3-DICHLOROBENZENE	3	<1
1,4-DICHLOROBENZENE	3	<1
2-BUTANONE	50	<5
2-HEXANONE	50	<5
4-METHYL-2-PENTANONE	NS	<5
ACETONE	50	<5
BENZENE	1	<1
BROMODICHLOROMETHANE	50	1.5
BROMOFORM	50	<1
BROMOMETHANE	5	<1
CARBON DISULFIDE	NS	<1
CARBON TETRACHLORIDE	5	<1
CHLOROBENZENE	5	<1
CHLOROETHANE	5	<1
CHLOROFORM	7	**63**
CHLOROMETHANE	NS	<1
CIS-1,2-DICHLOROETHENE	5	<1
CIS-1,3-DICHLOROPROPENE	0.4	<1
CYCLOHEXANE	NS	<1
DIBROMOCHLOROMETHANE	5	<1
DICHLORODIFLUOROMETHANE	5	<1
ETHYLBENZENE	5	<1
ISOPROPYLBENZENE	5	<1
METHYL ACETATE	NS	<1
METHYL-T-BUTYL ETHER (MTBE)	NS	<1
METHYLCYCLOHEXANE	NS	<1
METHYLENE CHLORIDE	5	<1
STYRENE (MONOMER)	5	<1
TETRACHLOROETHENE	5	<1
TOLUENE	5	<1
XYLENE (TOTAL)	5	<3
TRANS-1,2-DICHLOROETHENE	5	<1
TRANS-1,3-DICHLOROPROPENE	0.4	<1
TRICHLOROETHENE	5	<1
TRICHLOROFLUOROMETHANE	5	<1
VINYL CHLORIDE	2	<1

Notes:
Data compared to TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values
NS - No Standard
All units are ug/L unless otherwise noted
Exceedences noted in **bold**.
J - Estimated Value

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Table 8. AOC 1 - Hydraulic Conductivity Results, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

Geologic Unit / Well	Hydraulic Conductivity [1] (centimeters per second (cm/s))	Hydraulic Conductivity (feet per minute (ft/m))	Hydraulic Conductivity[2] (feet per day (ft/day))
	UNDIFFERENTIATED OVERBURDEN		
MW-14S SI	4.5E-03	8.8E-03	12.7
MW-14S SO	3.6E-03	7.1E-03	10.3
MW-15S SI	8.4E-04	1.7E-03	2.4
MW-15 SO	4.6E-04	9.0E-04	1.3
MW-14			
12.0-16.0 ft*	6.0E-06	1.2E-05	0.02
MW-15			
16-18 ft*	2.5E-04	5.0E-04	0.72
	TILL UNIT		
MW-13			
MW-13T SI	2.4E-03	4.7E-03	6.8
MW-13T SO	2.4E-03	4.7E-03	6.8
12-14 ft*	9.4E-06	1.8E-05	0.03
16-18 ft*	6.0E-06	1.2E-05	0.02
20-22 ft*	7.4E-05	1.4E-04	0.21
MW-14			
42-46 ft*	3.8E-05	7.4E-05	0.11
	BEDROCK		
MW-13BR			
MW-13BR SI		TEST NOT VALID	
MW-14BR			
MW-14BR SI		TEST NOT VALID	
MW-14BR SO	1.6E-07	3.2E-07	0.0005
MW-15BR			
MW-15BR SI		TEST NOT VALID	
MW-15BR SO	1.4E-06	2.7E-06	0.0039

Conversion factor of 0.508 used to convert from original AQTESOLV results (ft/m) to cm/sec.

[1] Based on slug test results

[2] Conversion factor of 1440 used to convert from ft/m to ft/day.

* Hydraulic Conductivity based on analysis from grain size data

SI - Slug in

SO - Slug out

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Table 9. AOC 2 - Sub-Slab Depressurization System Performance Data, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

						Induced Vacuum Readings [(-) indicates vacuum, no sign indicates pressure]																									
						Extraction Points			Vapor Monitoring Points (VMPs)																							
						-			Radial Distance from SDS-3 (ft)					Radial Distance from SDS-1 (ft)			Radial Distance from SDS-2 (ft)			Vapor Flowrate (cfm)											
			Blower Status			-			30	19	24	46	73	15	33	33	36	30	41													
Date	Time	Test Status	Diluton Valve % Closed/ open	Knockout Tank Vacuum (in. w.c.) [gauge]	Post-Dilution Vac (in. w.c.) [pressure transmitter]	SDS-1	SDS-2	SDS-3	3A	3B	3C	3D	3E	1A	1B	1C	2A	2B	2C	SDS-1 air flow velocity (fpm)	SDS-1 Wellhead	SDS-2 air flow velocity (fpm)	SDS-2 Wellhead	SDS-3 air flow velocity (fpm)	SDS-3 Wellhead	Pre-Carbon Air Flow velocity	Pre-Carbon	Mid-Carbon Air Flow velocity	Mid-Carbon	Effluent Air Flow Velocity (fpm)	Effluent
11/8/2007	12:40	static	-	-	-	0	0	not installed	-	-	-	-	-	-	-	-0.003 to 0.011	-	-	-		-		-		not installed		-	-	-	-	-
	14:30	SDS-1: 100% open	-	-40	-	-44	0	not installed	-	-	-	-	-	-	-	-0.050 to -0.060	-	-	-		-		0		not installed		-	-	-	4875	389
	16:20	SDS-1: 100% open	-	-40	-	-44	0	not installed	-	-	-	-	-	-	-	-0.05	-	-	-	680	60		0		not installed		-	-	-	-	-
	17:15	SDS-1: 100% open	-	-40	-	-44	0	not installed	-	-	-	-	-	-	-0.35	-0.035	-	-	-	685	61		0		not installed		-	-	-	-	-
	19:05	SDS-1: 100% open	-	-40	-	-44	0	not installed	-	-	-	-	-	-	-0.375	-0.035	-	-	-	680	60		0		not installed		-	-	-	-	-
11/9/2007	9:40	static	-	-	-	0	0	not installed	-	-	-	-	-	0.022 to 0.030	0.014	0	0.007	0.009	0.005		-		-		not installed		-	-	-	-	-
	11:30	SDS-2: 100% open	-	-20	-	0	20	not installed	-	-	-	-	-	0.018	-0.02	-0.004	-2.278	-3.812	-3.307		0	1560	138		not installed		-	-	-	3500	279
	13:05	SDS-2: 100% open	-	-20	-	0	20	not installed	-	-	-	-	-	0.02	-0.016 to -0.028	-0.01	-2.238	-3.744	-3.245		0	1515	134		not installed		-	-	-	3960	316
	15:00	SDS-2: 100% open	-	-20	-	0	20	not installed	-	-	-	-	-	-	-0.023 to -0.043	-0.008	-2.217	-3.713	-3.21		0	1475	130		not installed		-	-	-		-
7/16/2008	10:45	static	-	-	-	0.038	0.038	0.036	0.029	0.032	0.035	0.033	0.037	0.041	0.024	0.037	0.036	0.04	0.042		-	-	-	-	-	-	-	-	-	-	-
	12:20	SDS-3: 100% open	100% closed	-20.2	-25	0.033	0.035	-12	0.022	-0.052	-0.033	-0.045	0.022	0.038	0.026	0.036	0.035	0.035	0.031	-	-	-	-	3250	287	3600	287	-	-	3200	255
	13:55	SDS-3: 100% open	100% closed	-20.2	-24.7	0.027	0.027	-12	0.008	-0.063	-0.044	-0.051	0.015	0.035	0.021	0.03	0.03	0.03	0.032	-	-	-	-	3370	298	3400	271	3275	261	3260	260
	15:15	SDS-3: 100% open	100% closed	-20.2	-24.9	0.03	0.034	-12	0.024	-0.052	-0.031	-0.043	0.024	0.039	0.031	0.034	0.034	0.036	0.036	-	-	-	-	3540	313	3690	294	3085	246	3350	267
	16:50	SDS-3: 100% open	100% closed	-20.2	-25.2	0.028	0.03	-12	0.006	-0.062	-0.04	-0.052	0.015	0.03	0.022	0.028	0.025	0.029	0.028	-	-	-	-	3350	296	3350	267	3340	267	3460	276
7/17/2008	9:50	SDS-3: 100% open	100% closed	-20.8	-25.4	0.024	0.029	-12.2	0.019	-0.057	-0.037	-0.053	0.012	0.039	0.019	0.029	0.027	0.032	0.028	-	-	-	-	3350	296	3760	300	3260	260	3350	267
	11:05	SDS-1,2,&3: 100% open	100% closed	-15.8	-19.6	-10.8	-11.7	-7.8	0.011	-0.032	-0.018	-0.024	0.021	0.027	-0.011	0.004	-0.685	-1.87	-1.654	265	23	1015	90	2430	215	3820	305	3490	278	3470	277
	12:45	SDS-1,2,&3: 100% open	100% closed	-16	-19.8	-11.3	-11.8	-8	0.022	-0.027	-0.014	-0.021	0.023	0.034	-0.014	0.006	-0.686	-1.922	-1.658	280	25	1110	98	2430	215	3800	303	3320	265	3510	280
	14:45	SDS-1: 100% open SDS-2: 100% open SDS-3: 25% open	100% closed	-23.2	-27.8	-20.4	-19.8	-18.8	0.007	-0.018	-0.011	-0.013	0.012	0.006	-0.064	-0.033	-1.282	-3.497	-3.03	340	30	1450	128	1480	131	3670	293	2860	228	3450	275
	15:55	SDS-1: 100% open SDS-2: 100% open SDS-3: 25% open	100% closed	-23.8	-28.4	-20.5	-19.8	-19	0.005	-0.019	-0.011	-0.014	0.012	0.004	-0.08	-0.035	-1.281	-3.516	-3.046	480	42	1440	127	1590	140	3620	289	3000	239	3300	263
	17:15	SDS-1: 100% open SDS-2: 25% open SDS-3: 25% open	100% closed	-34	-39.4	-32.8	-33.3	-30.3	0.003	-0.03	-0.02	-0.025	0.009	0	-0.102	-0.04	-0.466	-1.32	-1.13	680	60	808	71	2140	189	3370	269	2740	219	3000	239
	17:55	SDS-1: 100% open SDS-2: 25% open SDS-3: 25% open	100% closed	-	-	-32.8	-33.3	-30.3	-	-	-	-	-	-0.006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18:05	SDS-1: 100% open SDS-2: 25% open SDS-3: 0% open	100% closed	-	-	-53.4	-53.8	-52.2	-	-	-	-	-	-0.016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18:10	SDS-1: 100% open SDS-2: 0% open SDS-3: 0% open	100% closed	-	-	-66.5	-67.5	-64.9	-	-	-	-	-	-0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	18:15	SDS-1: 100% open SDS-2: 0% open SDS-3: 25% open	100% closed	-	-	-50.1	-	-47.8	-	-	-	-	-	-0.011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7/31	13:05	SDS-1: 100% open SDS-2: 25% open SDS-3: 25% open	100% closed	-28	-28	-	-	-26	0.005	-0.019	-0.003	-0.009	0.02	0.007	-0.08	-0.017	-0.364	-1.033	-0.875	270	24	639	56	1433	127	2030	162	2430	194	2000	160
8/12	15:40	SDS-1: 100% open SDS-2: 25% open SDS-3: 25% open	100% closed	-26	-28	-28	-28	-26	0.02	-0.017	-0.007	-0.011	0.02	0.018	-0.087	-0.014	-0.37	-1.028	-	477	42	545	48	1555	137	2030	162	2045	163	2360	188
9/11	16:15	SDS-1: 100% open SDS-2: 25% open SDS-3: 25% open	100% closed	-26	-31.4	-28	-28	-26	0.009	-0.035	-0.024	-	0.01	0.015	-0.101	-0.021	-0.236	-0.657	-0.554	495	44	554	49	2185	193	3164	252	2590	207	3155	252
9/25	14:30	SDS-1: 100% open SDS-2: 25% open SDS-3: 25% open	100% closed	-26	-31.5	-25.5	-26	-23.8	0.004	-0.040	-0.033	-0.040	0	0 to 0.005	-0.082	-0.031	-0.362	-0.974	-0.828	569	50	639	56	1986	175	2960	236	2705	216	3250	259
10/10	16:25	SDS-1: 100% open SDS-2: 25% open SDS-3: 25% open	100% closed	-24	-30.1	-21	-22	-18	-0.003	-0.058	-0.043	-0.052	-0.006	-0.032	-0.011	-0.063	-0.317	-0.833	-0.711	395	35	590	52	2115	187	3240	259	2680	214	3120	249
11/17	17:30	SDS-1: 100% open SDS-2: 25% open SDS-3: 25% open	100% closed	-23	-25.5	-22.3	-23	-19.7	-0.003	-0.052	-0.034	-0.047	-0.005	0	-0.052	-0.033	-0.357	-0.662	-0.807	480	42	558	49	2194	194	3430	274	2520	201	3130	250

Notes:

-Pilot test performed from 13:55 (11/8/07) to 16:45 (11/9/07).

-System startup at 11:50 on 7/16/08, and operated continuously.

-Opened SDS-1 and SDS-2 100% (in addition to SDS-3) at 10:35 on 7/17/08.

-Closed SDS-3 75% (25% open) at 14:00 on 7/17/08.

-Closed SDS-2 75% (25% open) at 16:40 on 7/17/08.

-Readings for times 18:05, 18:10, and 18:15 (7/17/08) recorded <2 minutes after changes in SDS configuration, as influence was immediate.

-Ambient pressure in molding facility room (east) of 0.018 inches of water column.

-Ambient pressure in mold storage room of 0.015 inches of water column.

-Ambient pressure in molding facility room (north) of 0.013 inches of water column.

-Ambient pressure in CET room warehouse of 0.010 inches of water column.

-Ambient pressure of -0.006 inches of water column surrounding VMP-3E on 10/10/08.

-Ambient pressures (11/17/08) -0.005 inches of water column everywhere.

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Table 10. AOC 3 - Volatile Organic Compounds in Soil Samples from Test Pits, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

CONSTITUENT	NYSDEC STANDARDS	TEST PIT 1 (0-7') 4/29/2008	TEST PIT 2 (0-7') 4/29/2008
1,1,1-TRICHLOROETHANE	1,000,000	< 5	< 6
1,1,2,2-TETRACHLOROETHANE	NS	< 5	< 6
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NS	< 5	< 6
1,1,2-TRICHLOROETHANE	NS	< 5	< 6
1,1-DICHLOROETHANE	480,000	2 J	1 J
1,1-DICHLOROETHENE	1,000,000	< 5	< 6
1,2,4-TRICHLOROBENZENE	NS	< 5	< 6
1,2-DIBROMO-3-CHLOROPROPANE	NS	< 5	< 6
1,2-DIBROMOETHANE	NS	< 5	< 6
1,2-DICHLOROBENZENE	1,000,000	< 5	< 6
1,2-DICHLOROETHANE	60,000	< 5	< 6
1,2-DICHLOROPROPANE	NS	< 5	< 6
1,3-DICHLOROBENZENE	560,000	< 5	< 6
1,4-DICHLOROBENZENE	250,000	< 5	< 6
2-BUTANONE	1,000,000	< 27	< 28
2-HEXANONE	NS	< 27	< 28
4-METHYL-2-PENTANONE	NS	< 27	< 28
ACETONE	1,000,000	15 J	< 6
BENZENE	89,000	< 5	< 6
BROMODICHLOROMETHANE	NS	< 5	< 6
BROMOFORM	NS	< 5	< 6
BROMOMETHANE	NS	< 5	< 6
CARBON DISULFIDE	NS	2 J	< 6
CARBON TETRACHLORIDE	44,000	< 5	< 6
CHLOROBENZENE	1,000,000	< 5	< 6
CHLOROETHANE	NS	< 5	< 6
CHLOROFORM	700,000	< 5	< 6
CHLOROMETHANE	NS	< 5	< 6
CIS-1,2-DICHLOROETHENE	1,000,000	< 5	< 6
CIS-1,3-DICHLOROPROPENE	NS	< 5	< 6
CYCLOHEXANE	NS	< 5	< 6
DIBROMOCHLOROMETHANE	NS	< 5	< 6
DICHLORODIFLUOROMETHANE	NS	< 5	< 6
ETHYLBENZENE	780,000	< 5	< 6
ISOPROPYLBENZENE	NS	< 5	< 6
METHYL ACETATE	NS	< 5	< 6
METHYL-T-BUTYL ETHER (MTBE)	1,000,000	< 5	< 6
METHYLCYCLOHEXANE	NS	< 5	< 6
METHYLENE CHLORIDE	1,000,000	< 5	< 6
STYRENE (MONOMER)	NS	< 5	< 6
TETRACHLOROETHENE	300,000	< 5	< 6
TOLUENE	1,000,000	< 5	< 6
XYLENE (TOTAL)	1,000,000	< 16	< 17
TRANS-1,2-DICHLOROETHENE	1,000,000	< 5	< 6
TRANS-1,3-DICHLOROPROPENE	NS	< 5	< 6
TRICHLOROETHENE	400,000	< 5	< 6
TRICHLOROFLUOROMETHANE	NS	< 5	< 6
VINYL CHLORIDE	27,000	< 11	< 11

Notes:
All units are ug/kg unless otherwise noted
Samples composited from 0 to 7-feet below ground surface
Data compared to 6 NYCRR Part 375 Restricted Use - Industrial Soil Cleanup Objectives
NS - No Standard
Exceedences noted in **bold**.
J - Estimated Value

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Table 11. AOC 3 - PCBs and Metals in Soil Samples from Test Pits, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

CONSTITUENT	NYSDEC STANDARDS	TEST PIT 1 (7') 4/29/2008	TEST PIT 2 (7') 4/29/2008
PCBs			
AROCLOR 1016	25,000	< 18	< 18
AROCLOR 1221	25,000	< 18	< 18
AROCLOR 1232	25,000	< 18	< 18
AROCLOR 1242	25,000	< 18	< 18
AROCLOR 1248	25,000	< 18	< 18
AROCLOR 1254	25,000	10 J	11 J
AROCLOR 1260	25,000	< 18	6.2 J
METALS			
LEAD	3,900,000	6800	15800
SILVER	6,800,000	< 600	< 580
HEXAVALENT CHROMIUM (mg/kg)	800,000	< 1.7	< 1.7
OTHER			
CYANIDE (ug/g)	10,000,000	< 1.1	< 1.0

Notes:
All units are ug/kg unless otherwise noted
Grab samples collected at approximately 7-feet below ground surface
Data compared to 6 NYCRR Part 375 Restricted Use - Industrial Soil Cleanup Objectives
Soil Cleanup Objective for PCBs represents Total PCBs in subsurface soils
Exceedences noted in **bold**.
J - Estimated Value

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Table 12. AOC 3 - Toxicity Characteristic Leachate Procedure (TCLP) Results for Soil Samples from Test Pits, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

CONSTITUENT	EPA REGULATED LEVEL	TEST PIT 1 (7') 4/29/2008
TCLP VOCs		
1,1-DICHLOROETHENE	0.7	< 0.001
1,2-DICHLOROETHANE	0.5	< 0.001
2-BUTANONE	200	< 0.005
BENZENE	0.5	< 0.001
CARBON TETRACHLORIDE	0.5	< 0.001
CHLOROBENZENE	100	< 0.001
CHLOROFORM	6	< 0.001
TETRACHLOROETHENE	0.7	< 0.001
TRICHLOROETHENE	0.5	< 0.001
VINYL CHLORIDE	0.2	< 0.001
TCLP SVOCs		
1,4-DICHLOROBENZENE	7.5	< 0.040
2,4,5-TRICHLOROPHENOL	400	< 0.020
2,4,6-TRICHLOROPHENOL	2	< 0.020
2,4-DINITROTOLUENE	0.13	< 0.020
2-METHYLPHENOL	NS	< 0.020
3-METHYLPHENOL	NS	< 0.040
4-METHYLPHENOL	NS	< 0.020
HEXACHLOROBENZENE	0.13	< 0.020
HEXACHLOROBUTADIENE	0.5	< 0.020
HEXACHLOROETHANE	3	< 0.020
NITROBENZENE	2	< 0.020
PENTACHLOROPHENOL	100	< 0.020
PYRIDINE	5	< 0.10
TCLP PESTICIDES		
CHLORDANE	0.03	< 0.0020
ENDRIN	0.02	< 0.00020
GAMMA-BHC (LINDANE)	0.4	< 0.00020
HEPTACHLOR	0.008	< 0.00020
HEPTACHLOR EPOXIDE	NS	< 0.00020
METHOXYCHLOR	10	< 0.00020
TOXAPHENE	0.5	< 0.0020
TCLP HERBICIDES		
2,4,5-TP (SILVEX)	1	< 0.0020
2,4-D	10	< 0.0020
TCLP METALS		
ARSENIC	5	< 0.010
BARIUM	100	0.55
CADMIUM	1	0.0012
CHROMIUM	5	< 0.0040
LEAD	5	< 0.0050
MERCURY	0.2	< 0.00020
SELENIUM	1	< 0.015
SILVER	5	< 0.0030
WET CHEMISTRY		
Flashpoint (^{o}F)	< 140	> 176.0
H2S RELEASED FROM WASTE (mg/kg)		< 10
HCN RELEASED FROM WASTE (mg/kg)		< 10
LEACHABLE Ph (s.u.)	< 2 or > 12.5	9.29
TOTAL MOISTURE CONTENT (%)		11.6

Notes:
NS - No Standard
All units are mg/l unless otherwise noted
Grab samples collected at approximately 7-feet below ground surface
Exceedences noted in **bold**.

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Table 13. AOC 3 - Volatile Organic Compounds in Soil Samples from Exterior Borings, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

CONSTITUENT	NYSDEC STANDARDS	B-2 (8-10) 5/20/2008	B-2 (10-12) 5/20/2008	B-2 (28-28.9) 5/20/2008	MW-14 (6-8) 5/27/2008	MW-14 (10-12) 5/27/2008	MW-14 (16-18) 5/27/2008	MW-14 (50-52) 5/29/2008	MW-15 (8-10) 6/2/2008
1,1,1-TRICHLOROETHANE	1,000,000	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
1,1,2,2-TETRACHLOROETHANE	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
1,1,2-TRICHLOROETHANE	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
1,1-DICHLOROETHANE	480,000	< 5	6	< 5	< 6	< 6	< 5	< 5	< 5
1,1-DICHLOROETHENE	1,000,000	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
1,2,4-TRICHLOROBENZENE	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
1,2-DIBROMO-3-CHLOROPROPANE	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
1,2-DIBROMOETHANE	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
1,2-DICHLOROBENZENE	1,000,000	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
1,2-DICHLOROETHANE	60,000	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
1,2-DICHLOROPROPANE	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
1,3-DICHLOROBENZENE	560,000	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
1,4-DICHLOROBENZENE	250,000	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
2-BUTANONE	1,000,000	< 26	< 30	< 27	< 30	< 28	< 26	< 26	< 26
2-HEXANONE	NS	< 26	< 30	< 27	< 30	< 28	< 26	< 26	< 26
4-METHYL-2-PENTANONE	NS	< 26	< 30	< 27	< 30	< 28	< 26	< 26	< 26
ACETONE	1,000,000	6 J	< 30	50	< 30	8 J	< 26	< 26	31
BENZENE	89,000	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
BROMODICHLOROMETHANE	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
BROMOFORM	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
BROMOMETHANE	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
CARBON DISULFIDE	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
CARBON TETRACHLORIDE	44,000	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
CHLOROBENZENE	1,000,000	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
CHLOROETHANE	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
CHLOROFORM	700,000	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
CHLOROMETHANE	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
CIS-1,2-DICHLOROETHENE	1,000,000	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
CIS-1,3-DICHLOROPROPENE	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
CYCLOHEXANE	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
DIBROMOCHLOROMETHANE	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
DICHLORODIFLUOROMETHANE	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
ETHYLBENZENE	780,000	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
ISOPROPYLBENZENE	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
METHYL ACETATE	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5 J
METHYL-T-BUTYL ETHER (MTBE)	1,000,000	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
METHYLCYCLOHEXANE	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
METHYLENE CHLORIDE	1,000,000	9	17	14	5 J	5 J	5	6	6
STYRENE (MONOMER)	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
TETRACHLOROETHENE	300,000	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
TOLUENE	1,000,000	< 5	< 6	< 5	< 6	< 6	< 5	5	< 5
XYLENE (TOTAL)	1,000,000	< 16	< 18	< 16	< 18	< 16	< 16	< 16	< 16
TRANS-1,2-DICHLOROETHENE	1,000,000	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
TRANS-1,3-DICHLOROPROPENE	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
TRICHLOROETHENE	400,000	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
TRICHLOROFLUOROMETHANE	NS	< 5	< 6	< 5	< 6	< 6	< 5	< 5	< 5
VINYL CHLORIDE	27,000	< 10	9 J	< 11	< 12	< 11	< 10	< 10	< 10

Notes:
All units are ug/kg unless otherwise noted
Data compared to 6 NYCRR Part 375 Restricted Use - Industrial Soil Cleanup Objectives
NS - No Standard
Exceedences noted in **bold**.
J - Estimated Value

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Table 13. AOC 3 - Volatile Organic Compounds in Soil Samples from Exterior Borings, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

CONSTITUENT	NYSDEC STANDARDS	MW-15 (14-16) 6/2/2008	MW-15 (22-24') 6/2/2008	MW-15 (52-52.3) 6/2/2008
1,1,1-TRICHLOROETHANE	1,000,000	< 5	< 5	< 5
1,1,2,2-TETRACHLOROETHANE	NS	< 5	< 5	< 5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NS	< 5	< 5	< 5
1,1,2-TRICHLOROETHANE	NS	< 5	< 5	< 5
1,1-DICHLOROETHANE	480,000	< 5	< 5	< 5
1,1-DICHLOROETHENE	1,000,000	< 5	< 5	< 5
1,2,4-TRICHLOROBENZENE	NS	< 5	< 5	< 5
1,2-DIBROMO-3-CHLOROPROPANE	NS	< 5	< 5	< 5
1,2-DIBROMOETHANE	NS	< 5	< 5	< 5
1,2-DICHLOROBENZENE	1,000,000	< 5	< 5	< 5
1,2-DICHLOROETHANE	60,000	< 5	< 5	< 5
1,2-DICHLOROPROPANE	NS	< 5	< 5	< 5
1,3-DICHLOROBENZENE	560,000	< 5	< 5	< 5
1,4-DICHLOROBENZENE	250,000	< 5	< 5	< 5
2-BUTANONE	1,000,000	< 27	< 27	< 27
2-HEXANONE	NS	< 27	< 27	< 27
4-METHYL-2-PENTANONE	NS	< 27	< 27	< 27
ACETONE	1,000,000	11 J	13 J	15 J
BENZENE	89,000	< 5	< 5	< 5
BROMODICHLOROMETHANE	NS	< 5	< 5	< 5
BROMOFORM	NS	< 5	< 5	< 5
BROMOMETHANE	NS	< 5	< 5	< 5
CARBON DISULFIDE	NS	< 5	< 5	< 5
CARBON TETRACHLORIDE	44,000	< 5	< 5	< 5
CHLOROBENZENE	1,000,000	< 5	< 5	< 5
CHLOROETHANE	NS	< 5	< 5	< 5
CHLOROFORM	700,000	1 J	< 5	< 5
CHLOROMETHANE	NS	< 5	< 5	< 5
CIS-1,2-DICHLOROETHENE	1,000,000	< 5	< 5	< 5
CIS-1,3-DICHLOROPROPENE	NS	< 5	< 5	< 5
CYCLOHEXANE	NS	< 5	< 5	< 5
DIBROMOCHLOROMETHANE	NS	< 5	< 5	< 5
DICHLORODIFLUOROMETHANE	NS	< 5	< 5	< 5
ETHYLBENZENE	780,000	< 5	< 5	< 5
ISOPROPYLBENZENE	NS	< 5	< 5	< 5
METHYL ACETATE	NS	< 5 J	< 5 J	< 5 J
METHYL-T-BUTYL ETHER (MTBE)	1,000,000	< 5	< 5	< 5
METHYLCYCLOHEXANE	NS	< 5	< 5	< 5
METHYLENE CHLORIDE	1,000,000	5	7	9
STYRENE (MONOMER)	NS	< 5	< 5	< 5
TETRACHLOROETHENE	300,000	< 5	< 5	< 5
TOLUENE	1,000,000	< 5	< 5	< 5
XYLENE (TOTAL)	1,000,000	< 16	< 16	< 16
TRANS-1,2-DICHLOROETHENE	1,000,000	< 5	< 5	< 5
TRANS-1,3-DICHLOROPROPENE	NS	< 5	< 5	< 5
TRICHLOROETHENE	400,000	< 5	< 5	< 5
TRICHLOROFLUOROMETHANE	NS	< 5	< 5	< 5
VINYL CHLORIDE	27,000	< 11	< 11	< 11

Notes:
All units are ug/kg unless otherwise noted
Data compared to 6 NYCRR Part 375 Restricted Use - Industrial Soil Cleanup Objectives
NS - No Standard
Exceedences noted in **bold**.
J - Estimated Value

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Table 14. AOC 3 - PCBs and Metals in Soil Samples from Exterior Borings, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

CONSTITUENT	NYSDEC STANDARDS	B-1 (2-4) 5/19/2008	B-1 (4-6) 5/19/2008	B-2 (6-8) 5/19/2008	B-2 (8-10) 5/19/2008
PCBs					
AROCLOR 1016	25,000	NA	< 18	< 19	NA
AROCLOR 1221	25,000	NA	< 18	< 19	NA
AROCLOR 1232	25,000	NA	< 18	< 19	NA
AROCLOR 1242	25,000	NA	< 18	< 19	NA
AROCLOR 1248	25,000	NA	74	94	NA
AROCLOR 1254	25,000	NA	23	97	NA
AROCLOR 1260	25,000	NA	< 18	28	NA
TOTAL PCBs	25000	NA	97	219	NA
METALS					
LEAD	3,900,000	7800	NA	NA	8700
SILVER	6,800,000	< 560	NA	NA	< 540
HEXAVALENT CHROMIUM	10,000,000	< 860	NA	NA	< 880
OTHER					
CYANIDE (ug/g)	800,000	< 0.98	NA	NA	< 1

Notes:
All units are ug/kg unless otherwise noted
Data compared to 6 NYCRR Part 375 Restricted Use - Industrial Soil Cleanup Objectives
Soil Cleanup Objective for PCBs represents Total PCBs in subsurface soils
Exceedences noted in **bold**.
NA - Not Analyzed

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Table 15. AOC 3 - Volatile Organic Compounds in Soil Samples from Interior Borings, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

CONSTITUENT	NYSDEC STANDARDS	IB-1 (2-4') 7/21/2008	IB-1 (6-8') 7/21/2008	IB-2 (0.75-1.75') 7/21/2008	IB-2 (8-8.5') 7/21/2008
1,1,1-TRICHLOROETHANE	1,000,000	< 6	< 6	< 6	< 5
1,1,2,2-TETRACHLOROETHANE	NS	< 6	< 6	< 6	< 5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NS	< 6	< 6	< 6	< 5
1,1,2-TRICHLOROETHANE	NS	< 6	< 6	< 6	< 5
1,1-DICHLOROETHANE	480,000	< 6	< 6	< 6	< 5
1,1-DICHLOROETHENE	1,000,000	< 6	< 6	< 6	< 5
1,2,4-TRICHLOROBENZENE	NS	< 6	< 6	< 6	< 5
1,2-DIBROMO-3-CHLOROPROPANE	NS	< 6	< 6	< 6	< 5
1,2-DIBROMOETHANE	NS	< 6	< 6	< 6	< 5
1,2-DICHLOROBENZENE	1,000,000	< 6	< 6	< 6	< 5
1,2-DICHLOROETHANE	60,000	< 6	< 6	< 6	< 5
1,2-DICHLOROPROPANE	NS	< 6	< 6	< 6	< 5
1,3-DICHLOROBENZENE	560,000	< 6	< 6	< 6	< 5
1,4-DICHLOROBENZENE	250,000	< 6	< 6	< 6	< 5
2-BUTANONE	1,000,000	< 28	11 J	< 28	< 26
2-HEXANONE	NS	< 28	< 29	< 28	< 26
4-METHYL-2-PENTANONE	NS	< 28	< 29	< 28	< 26
ACETONE	1,000,000	21 J	54	47	21 J
BENZENE	89,000	< 6	< 6	< 6	< 5
BROMODICHLOROMETHANE	NS	< 6	< 6	< 6	< 5
BROMOFORM	NS	< 6 J	< 6 J	< 6 J	< 5 J
BROMOMETHANE	NS	< 6	< 6	< 6	< 5
CARBON DISULFIDE	NS	< 6	1 J	2 J	< 5
CARBON TETRACHLORIDE	44,000	< 6	< 6	< 6	< 5
CHLOROBENZENE	1,000,000	< 6	< 6	< 6	< 5
CHLOROETHANE	NS	< 6	< 6	< 6	< 5
CHLOROFORM	700,000	< 6	< 6	< 6	< 5
CHLOROMETHANE	NS	< 6	< 6	< 6	< 5
CIS-1,2-DICHLOROETHENE	1,000,000	< 6	3 J	< 6	< 5
CIS-1,3-DICHLOROPROPENE	NS	< 6	< 6	< 6	< 5
CYCLOHEXANE	NS	< 6	< 6	< 6	< 5
DIBROMOCHLOROMETHANE	NS	< 6	< 6	< 6	< 5
DICHLORODIFLUOROMETHANE	NS	< 6	< 6	< 6	< 5
ETHYLBENZENE	780,000	< 6	< 6	< 6	< 5
ISOPROPYLBENZENE	NS	< 6	< 6	< 6	< 5
METHYL ACETATE	NS	< 6	< 6	< 6	< 5
METHYL-T-BUTYL ETHER (MTBE)	1,000,000	< 6	< 6	< 6	< 5
METHYLCYCLOHEXANE	NS	< 6	< 6	< 6	< 5
METHYLENE CHLORIDE	1,000,000	13	6	5 J	< 5
STYRENE (MONOMER)	NS	< 6	< 6	< 6	< 5
TETRACHLOROETHENE	300,000	< 6	< 6	< 6	< 5
TOLUENE	1,000,000	< 6	2 J	< 6	< 5
XYLENE (TOTAL)	1,000,000	< 17	< 17	< 17	< 16
TRANS-1,2-DICHLOROETHENE	1,000,000	< 6	2 J	< 6	< 5
TRANS-1,3-DICHLOROPROPENE	NS	< 6	< 6	< 6	< 5
TRICHLOROETHENE	400,000	8	< 6	< 6	< 5
TRICHLOROFLUOROMETHANE	NS	< 6	< 6	< 6	< 5
VINYL CHLORIDE	27,000	< 11	< 11	< 11	< 10

Notes:
All units are ug/kg unless otherwise noted
Data compared to 6 NYCRR Part 375 Restricted Use - Industrial Soil Cleanup Objectives
NS - No Standard
Exceedences noted in **bold**.
J - Estimated Value
B - Detected in Laboratory Blank

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Table 15. AOC 3 - Volatile Organic Compounds in Soil Samples from Interior Borings, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

CONSTITUENT	NYSDEC STANDARDS	IB-3 (8-10') 7/25/2008	IB-3 (16-16.2') 7/25/2008	IB-4 (2-2.4') 7/28/2008	IB-4 (6-6.8') 7/28/2008
1,1,1-TRICHLOROETHANE	1,000,000	< 7	< 5	< 6	< 5
1,1,2,2-TETRACHLOROETHANE	NS	< 7	< 5	< 6	< 5
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NS	< 7	< 5	< 6	< 5
1,1,2-TRICHLOROETHANE	NS	< 7	< 5	< 6	< 5
1,1-DICHLOROETHANE	480,000	< 7	< 5	< 6	< 5
1,1-DICHLOROETHENE	1,000,000	< 7	< 5	< 6	< 5
1,2,4-TRICHLOROBENZENE	NS	< 7	< 5	< 6	< 5
1,2-DIBROMO-3-CHLOROPROPANE	NS	< 7	< 5	< 6	< 5
1,2-DIBROMOETHANE	NS	< 7	< 5	< 6	< 5
1,2-DICHLOROBENZENE	1,000,000	< 7	< 5	< 6	< 5
1,2-DICHLOROETHANE	60,000	< 7	< 5	< 6	< 5
1,2-DICHLOROPROPANE	NS	< 7	< 5	< 6	< 5
1,3-DICHLOROBENZENE	560,000	< 7	< 5	< 6	< 5
1,4-DICHLOROBENZENE	250,000	< 7	< 5	< 6	< 5
2-BUTANONE	1,000,000	< 35	< 26	< 32	< 25
2-HEXANONE	NS	< 35	< 26	< 32	< 25
4-METHYL-2-PENTANONE	NS	< 35	< 26	< 32	< 25
ACETONE	1,000,000	37	12 J	22 J	18 J
BENZENE	89,000	< 7	< 5	< 6	< 5
BROMODICHLOROMETHANE	NS	< 7	< 5	< 6	< 5
BROMOFORM	NS	< 7	< 5	< 6	< 5
BROMOMETHANE	NS	< 7	< 5	< 6	< 5
CARBON DISULFIDE	NS	2 J	< 5	< 6	< 5
CARBON TETRACHLORIDE	44,000	< 7	< 5	< 6	< 5
CHLOROBENZENE	1,000,000	< 7	< 5	< 6	< 5
CHLOROETHANE	NS	< 7	< 5	< 6	< 5
CHLOROFORM	700,000	< 7	< 5	< 6	< 5
CHLOROMETHANE	NS	< 7	< 5	< 6	< 5
CIS-1,2-DICHLOROETHENE	1,000,000	< 7	< 5	< 6	1 J
CIS-1,3-DICHLOROPROPENE	NS	< 7	< 5	< 6	< 5
CYCLOHEXANE	NS	< 7	< 5	< 6	< 5
DIBROMOCHLOROMETHANE	NS	< 7	< 5	< 6	< 5
DICHLORODIFLUOROMETHANE	NS	< 7	< 5	< 6	< 5
ETHYLBENZENE	780,000	< 7	< 5	< 6	< 5
ISOPROPYLBENZENE	NS	< 7	< 5	< 6	< 5
METHYL ACETATE	NS	< 7	< 5	< 6	< 5
METHYL-T-BUTYL ETHER (MTBE)	1,000,000	< 7	< 5	< 6	< 5
METHYLCYCLOHEXANE	NS	< 7	< 5	< 6	< 5
METHYLENE CHLORIDE	1,000,000	14	< 5	6	< 5
STYRENE (MONOMER)	NS	< 7	< 5	< 6	< 5
TETRACHLOROETHENE	300,000	22	< 5	< 6	20
TOLUENE	1,000,000	< 7	< 5	< 6	< 5
XYLENE (TOTAL)	1,000,000	< 21	< 15	< 19	< 15
TRANS-1,2-DICHLOROETHENE	1,000,000	< 7	< 5	< 6	< 5
TRANS-1,3-DICHLOROPROPENE	NS	< 7	< 5	< 6	< 5
TRICHLOROETHENE	400,000	< 7	< 5	< 6	< 5
TRICHLOROFLUOROMETHANE	NS	< 7	< 5	< 6	< 5
VINYL CHLORIDE	27,000	< 14	< 10	< 13	< 10

Notes:
All units are ug/kg unless otherwise noted
Data compared to 6 NYCRR Part 375 Restricted Use -
Industrial Soil Cleanup Objectives
NS - No Standard
Exceedences noted in **bold**.
J - Estimated Value
B - Detected in Laboratory Blank

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Table 15. AOC 3 - Volatile Organic Compounds in Soil Samples from Interior Borings, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

CONSTITUENT	NYSDEC STANDARDS	IB-5 (1.3-1.7') 7/29/2008	IB-5 (6-8') 7/29/2008	IB-6 (2-2.4') 7/30/2008	IB-6 (8-8.9') 7/30/2008
1,1,1-TRICHLOROETHANE	1,000,000	< 5 R	< 5 R	< 5	< 5 R
1,1,2,2-TETRACHLOROETHANE	NS	< 5 R	< 5 R	< 5	< 5 R
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NS	< 5 R	< 5 R	< 5	< 5 R
1,1,2-TRICHLOROETHANE	NS	< 5 R	< 5 R	< 5	< 5 R
1,1-DICHLOROETHANE	480,000	< 5 R	< 5 R	< 5	< 5 R
1,1-DICHLOROETHENE	1,000,000	< 5 R	< 5 R	< 5	< 5 R
1,2,4-TRICHLOROBENZENE	NS	< 5 R	< 5 R	< 5 R	< 5 R
1,2-DIBROMO-3-CHLOROPROPANE	NS	< 5 R	< 5 R	< 5 R	< 5 R
1,2-DIBROMOETHANE	NS	< 5 R	< 5 R	< 5 R	< 5 R
1,2-DICHLOROBENZENE	1,000,000	< 5 R	< 5 R	< 5 R	< 5 R
1,2-DICHLOROETHANE	60,000	< 5 R	< 5 R	< 5 R	< 5 R
1,2-DICHLOROPROPANE	NS	< 5 R	< 5 R	< 5 R	< 5 R
1,3-DICHLOROBENZENE	560,000	< 5 R	< 5 R	< 5 R	< 5 R
1,4-DICHLOROBENZENE	250,000	< 5 R	< 5 R	< 5 R	< 5 R
2-BUTANONE	1,000,000	< 27 R	< 27 R	< 28 R	< 26 R
2-HEXANONE	NS	< 27 R	< 27 R	< 28 R	< 26 R
4-METHYL-2-PENTANONE	NS	< 27 R	< 27 R	< 28 R	< 26 R
ACETONE	1,000,000	42 UBJ	15 UBJ	81 J	310 J
BENZENE	89,000	< 5 R	< 5 R	< 5 R	< 5 R
BROMODICHLOROMETHANE	NS	< 5 R	< 5 R	< 5 R	< 5 R
BROMOFORM	NS	< 5 R	< 5 R	< 5 R	< 5 R
BROMOMETHANE	NS	< 5 R	< 5 R	< 5 R	< 5 R
CARBON DISULFIDE	NS	10 J	8 J	7 J	7 J
CARBON TETRACHLORIDE	44,000	< 5 R	< 5 R	< 5 R	< 5 R
CHLOROBENZENE	1,000,000	< 5 R	< 5 R	< 5 R	< 5 R
CHLOROETHANE	NS	< 5 R	< 5 R	< 5 R	< 5 R
CHLOROFORM	700,000	< 5 R	< 5 R	< 5 R	< 5 R
CHLOROMETHANE	NS	< 5 R	< 5 R	< 5 R	< 5 R
CIS-1,2-DICHLOROETHENE	1,000,000	< 5 R	< 5 R	< 5 R	4 J
CIS-1,3-DICHLOROPROPENE	NS	< 5 R	< 5 R	< 5 R	< 5 R
CYCLOHEXANE	NS	< 5 R	< 5 R	< 5 R	< 5 R
DIBROMOCHLOROMETHANE	NS	< 5 R	< 5 R	< 5 R	< 5 R
DICHLORODIFLUOROMETHANE	NS	< 5 R	< 5 R	< 5 R	< 5 R
ETHYLBENZENE	780,000	< 5 R	< 5 R	< 5 R	< 5 R
ISOPROPYLBENZENE	NS	< 5 R	< 5 R	< 5 R	< 5 R
METHYL ACETATE	NS	< 5 R	< 5 R	< 5 R	< 5 R
METHYL-T-BUTYL ETHER (MTBE)	1,000,000	< 5 R	< 5 R	< 5 R	< 5 R
METHYLCYCLOHEXANE	NS	< 5 R	< 5 R	< 5 R	< 5 R
METHYLENE CHLORIDE	1,000,000	11 J	10 J	9 J	4 J
STYRENE (MONOMER)	NS	< 5 R	< 5 R	< 5 R	< 5 R
TETRACHLOROETHENE	300,000	< 5 R	< 5 R	< 5 R	< 5 R
TOLUENE	1,000,000	< 5 R	< 5 R	< 5 R	< 5 R
XYLENE (TOTAL)	1,000,000	< 16 R	< 16 R	< 16 R	< 16 R
TRANS-1,2-DICHLOROETHENE	1,000,000	< 5 R	< 5 R	< 5 R	< 5 R
TRANS-1,3-DICHLOROPROPENE	NS	< 5 R	< 5 R	< 5 R	< 5 R
TRICHLOROETHENE	400,000	< 5 R	< 5 R	< 5 R	< 5 R
TRICHLOROFLUOROMETHANE	NS	< 5 R	< 5 R	< 5 R	< 5 R
VINYL CHLORIDE	27,000	< 11 R	< 11 R	< 11 R	< 10 R

Notes:
All units are ug/kg unless otherwise noted
Data compared to 6 NYCRR Part 375 Restricted Use -
Industrial Soil Cleanup Objectives
NS - No Standard
Exceedences noted in **bold**.
J - Estimated Value
B - Detected in Laboratory Blank

Table 15. AOC 3 - Volatile Organic Compounds in Soil Samples from Interior Borings, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

CONSTITUENT	NYSDEC STANDARDS	IB-7 (4-4.4') 7/31/2008	IB-7 (8-8.9') 7/31/2008
1,1,1-TRICHLOROETHANE	1,000,000	< 5 R	< 5 R
1,1,2,2-TETRACHLOROETHANE	NS	< 5 R	< 5 R
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NS	< 5 R	< 5 R
1,1,2-TRICHLOROETHANE	NS	< 5 R	< 5 R
1,1-DICHLOROETHANE	480,000	< 5 R	< 5 R
1,1-DICHLOROETHENE	1,000,000	< 5 R	< 5 R
1,2,4-TRICHLOROBENZENE	NS	< 5 R	< 5 R
1,2-DIBROMO-3-CHLOROPROPANE	NS	< 5 R	< 5 R
1,2-DIBROMOETHANE	NS	< 5 R	< 5 R
1,2-DICHLOROBENZENE	1,000,000	< 5 R	< 5 R
1,2-DICHLOROETHANE	60,000	< 5 R	< 5 R
1,2-DICHLOROPROPANE	NS	< 5 R	< 5 R
1,3-DICHLOROBENZENE	560,000	< 5 R	< 5 R
1,4-DICHLOROBENZENE	250,000	< 5 R	< 5 R
2-BUTANONE	1,000,000	< 27 R	< 26 R
2-HEXANONE	NS	< 27 R	< 26 R
4-METHYL-2-PENTANONE	NS	< 27 R	< 26 R
ACETONE	1,000,000	18 UBJ	17 UBJ
BENZENE	89,000	< 5 R	< 5 R
BROMODICHLOROMETHANE	NS	< 5 R	< 5 R
BROMOFORM	NS	< 5 R	< 5 R
BROMOMETHANE	NS	< 5 R	< 5 R
CARBON DISULFIDE	NS	8 J	9 J
CARBON TETRACHLORIDE	44,000	< 5 R	< 5 R
CHLOROBENZENE	1,000,000	< 5 R	< 5 R
CHLOROETHANE	NS	< 5 R	< 5 R
CHLOROFORM	700,000	< 5 R	< 5 R
CHLOROMETHANE	NS	< 5 R	< 5 R
CIS-1,2-DICHLOROETHENE	1,000,000	< 5 R	< 5 R
CIS-1,3-DICHLOROPROPENE	NS	< 5 R	< 5 R
CYCLOHEXANE	NS	< 5 R	< 5 R
DIBROMOCHLOROMETHANE	NS	< 5 R	< 5 R
DICHLORODIFLUOROMETHANE	NS	< 5 R	< 5 R
ETHYLBENZENE	780,000	< 5 R	< 5 R
ISOPROPYLBENZENE	NS	< 5 R	< 5 R
METHYL ACETATE	NS	< 5 R	< 5 R
METHYL-T-BUTYL ETHER (MTBE)	1,000,000	< 5 R	< 5 R
METHYLCYCLOHEXANE	NS	< 5 R	< 5 R
METHYLENE CHLORIDE	1,000,000	11 J	13 J
STYRENE (MONOMER)	NS	< 5 R	< 5 R
TETRACHLOROETHENE	300,000	< 5 R	< 5 R
TOLUENE	1,000,000	< 5 R	< 5 R
XYLENE (TOTAL)	1,000,000	< 16	< 16 R
TRANS-1,2-DICHLOROETHENE	1,000,000	< 5 R	< 5 R
TRANS-1,3-DICHLOROPROPENE	NS	< 5 R	< 5 R
TRICHLOROETHENE	400,000	< 5 R	< 5 R
TRICHLOROFLUOROMETHANE	NS	< 5 R	< 5 R
VINYL CHLORIDE	27,000	< 11 R	< 10 R

Notes:
All units are ug/kg unless otherwise noted
Data compared to 6 NYCRR Part 375 Restricted Use - Industrial Soil Cleanup Objectives
NS - No Standard
Exceedences noted in **bold**.
J - Estimated Value
B - Detected in Laboratory Blank

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Table 16. AOC 4 - Water Quality Sample Results from Catch Basins, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

CONSTITUENT	CB-1 9/11/2006	CB-1 11/18/2008	CB-1 12/11/2008	CB-2 12/16/2008	CB-3 11/18/2008
1,1,1-TRICHLOROETHANE	<0.40	< 1	< 1	< 1	< 1
1,1,2,2-TETRACHLOROETHANE	NA	< 1	< 1	< 1	< 1
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	NA	< 1	< 1	< 1	< 1
1,1,2-TRICHLOROETHANE	NA	< 1	< 1	< 1	< 1
1,1-DICHLOROETHANE	<0.40	< 1	< 1	< 1	< 1
1,1-DICHLOROETHENE	NA	< 1	< 1	< 1	< 1
1,2,4-TRICHLOROBENZENE	NA	< 1	< 1	< 1	< 1
1,2-DIBROMO-3-CHLOROPROPANE	NA	< 1	< 1	< 1	< 1
1,2-DIBROMOETHANE	NA	< 1	< 1	< 1	< 1
1,2-DICHLOROBENZENE	<0.50	< 1	< 1	< 1	< 1
1,2-DICHLOROETHANE	NA	< 1	< 1	< 1	< 1
1,2-DICHLOROPROPANE	NA	< 1	< 1	< 1	< 1
1,3-DICHLOROBENZENE	<0.40	< 1	< 1	< 1	< 1
1,4-DICHLOROBENZENE	<0.40	< 1	< 1	< 1	< 1
2-BUTANONE	NA	< 5	< 5	< 5	< 5
2-HEXANONE	NA	< 5	< 5	< 5	< 5
4-METHYL-2-PENTANONE	NA	< 5	< 5	< 5	< 5
ACETONE	NA	3.1 J	5.7	< 5	< 5
BENZENE	<0.40	< 1	< 1	< 1	< 1
BROMODICHLOROMETHANE	NA	< 1	< 1	< 1	< 1
BROMOFORM	NA	< 1	< 1	< 1	< 1
BROMOMETHANE	NA	< 1	< 1	< 1	< 1
CARBON DISULFIDE	NA	< 1	< 1	< 1	< 1
CARBON TETRACHLORIDE	NA	< 1	< 1	< 1	< 1
CHLOROBENZENE	<0.40	< 1	< 1	< 1	< 1
CHLOROETHANE	<0.40	< 1	< 1	< 1	< 1
CHLOROFORM	NA	3.3	1.5	0.51 J	< 1
CHLOROMETHANE	NA	< 1	< 1	< 1	< 1
CIS-1,2-DICHLOROETHENE	<0.40	< 1	< 1	1.7	< 1
CIS-1,3-DICHLOROPROPENE	NA	< 1	< 1	< 1	< 1
CYCLOHEXANE	NA	< 1	< 1	< 1	< 1
DIBROMOCHLOROMETHANE	NA	< 1	< 1	< 1	< 1
DICHLORODIFLUOROMETHANE	NA	< 1	< 1	< 1	< 1
ETHYLBENZENE	<0.40	< 1	< 1	< 1	< 1
ISOPROPYLBENZENE	NA	< 1	< 1	< 1	< 1
METHYL ACETATE	NA	< 1	< 1	< 1	< 1
METHYL-T-BUTYL ETHER (MTBE)	NA	< 1	< 1	< 1	< 1
METHYLCYCLOHEXANE	NA	< 1	< 1	< 1	< 1
METHYLENE CHLORIDE	NA	< 1	< 1	< 1	< 1
STYRENE (MONOMER)	NA	< 1	< 1	< 1	< 1
TETRACHLOROETHENE	<0.40	<1	<1	6.0	0.57 J
TOLUENE	<0.40	< 1	< 1	< 1	< 1
XYLENE (TOTAL)	<1.0	< 3	< 3	< 3	< 3
TRANS-1,2-DICHLOROETHENE	<0.40	< 1	< 1	< 1	< 1
TRANS-1,3-DICHLOROPROPENE	NA	< 1	< 1	< 1	< 1
TRICHLOROETHENE	<0.40	< 1	< 1	5.8	< 1
TRICHLOROFLUOROMETHANE	NA	< 1	< 1	< 1	< 1
VINYL CHLORIDE	<1.0	< 1	< 1	< 1	< 1

Notes:
Data compared to TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values
NS - No Standard
All units are ug/L unless otherwise noted
Exceedences noted in **bold**.
J - Estimated Value

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Table 17. AOC 4 - Sample Results of Influent Water from Manholes to GCTS, 2000 to 2009, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

INFLUENT	MH-1 10/9/2000	MH-1 1/9/2001	MH-1 7/17/2001	MH-1 10/10/2001	MH-1 2/6/2002	MH-1 4/12/2002	MH-1 9/11/2002	MH-1 11/5/2002	MH-1 2/6/2003	MH-1 5/13/2003	MH-1 7/11/2003	MH-1 11/5/2003	MH-1 1/9/2004	MH-1 10/3/2005	MH-1 10/9/2006	MH-1 1/11/2006	MH-1 10/3/2007	MH-1* 10/3/2007	MH-1* 2/5/2009
1,1,1-TRICHLOROETHANE	ND	ND	<0.80	ND	2.2	0.48	<0.80	<0.80	ND	ND	ND	ND	ND	<0.80	<0.40	<0.40	<0.40	<0.40	<1.0
1,1-DICHLOROETHANE	2.9	13	4.9	6	10	4	5.4	6.3	4.6	1.3	6.9	ND	ND	7.5	11	1.1	7.5	8.3	8.4
1,2-DICHLOROBENZENE	NA	NA	<0.80	NA	<0.80	NA	<0.80	NA	NA	NA	NA	NA	NA	<0.40	<0.50	<0.50	<0.50	<0.50	<1.0
1,3-DICHLOROBENZENE	NA	NA	<0.80	NA	<0.80	NA	<0.80	NA	NA	NA	NA	NA	NA	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0
1,4-DICHLOROBENZENE	NA	NA	<0.80	NA	<0.80	NA	<0.80	NA	NA	NA	NA	NA	NA	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0
ACETONE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5	<5	<5	<5	<5
BENZENE	ND	ND	<0.80	ND	<0.80	ND	<0.40	<0.40	ND	ND	ND	ND	ND	<0.20	<0.40	<0.40	<0.40	<0.40	<1.0
CHLOROBENZENE	ND	ND	<0.80	ND	ND	ND	<0.80	ND	ND	ND	ND	ND	ND	<0.20	<0.40	<0.40	<0.40	<0.40	<1.0
CHLOROETHANE	NA	NA	<4.0	NA	NA	NA	<4.0	<0.80	NA	NA	NA	NA	NA	<0.80	<0.40	<0.40	<0.40	<0.40	0.70 J
CIS-1,2-DICHLOROETHENE	51	53	53	56	63	23	56	61	28	25	56	230	550	75	80	24	53	57	39
DICHLOROBENENE (Total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.40	<0.50	<0.50	<0.50	<0.50	<1.0
ETHYLBENZENE	ND	ND	<0.80	ND	<0.80	ND	<0.80	<1.0	ND	ND	ND	ND	8.4	<0.20	<0.40	<0.40	<0.40	<0.40	<1.0
TETRACHLOROETHENE	12	44	31	37	49	16	28	30	6.4	6.4	26	3.4	5.3 J	44	48	5.7	12	13	31
TOLUENE	ND	ND	<0.80	ND	<0.80	ND	<0.80	<0.80	ND	ND	ND	ND	120	<0.20	<0.40	<0.40	<0.60	<0.60	<1.0
XYLENE (TOTAL)	ND	ND	<0.80	ND	<0.80	ND	<0.80	<0.80	ND	ND	ND	1.1	65.1	<1.3	<1.0	<1.0	<1.0	<1.0	<3.0
TRANS-1,2-DICHLOROETHENE	ND	ND	<0.80	ND	<0.80	ND	<0.80	<0.80	ND	ND	ND	ND	ND	<0.80	<0.40	<0.40	0.64	1.0	<1.0
TRICHLOROETHENE	26	92	65	68	110	34	57	66	14	11	54	6.6	130	84	120	9.6	24	26	64
VINYL CHLORIDE	1.1	0	1.1 J	ND	<4.0	0.49	<4.0	<4.0	2	ND	ND	39	79	<4.0	0.74 J	1.5	1.7	2.2	0.50

INFLUENT	MH-2 10/9/2000	MH-2 1/9/2001	MH-2 7/17/2001	MH-2 11/20/2001	MH-2 2/6/2002	MH-2 4/12/2002	MH-2 9/11/2002	MH-2 11/5/2002	MH-2 2/6/2003	MH-2 5/13/2003	MH-2 7/11/2003	MH-2 11/5/2003	MH-2 1/9/2004	MH-2 10/3/2005	MH-2 1/11/2006	MH-2 10/3/2007	MH-2* 10/3/2007	MH-2* 2/5/2009
1,1,1-TRICHLOROETHANE	ND	ND	<0.20	ND	<0.40	1.6	<1.0	<0.20	ND	ND	ND	ND	ND	<0.40	<0.40	<0.40	<0.40	<1.0
1,1-DICHLOROETHANE	5	11	6.8	6	4.6	2.6	3.3	6.2	3.9	ND	7.8	ND	ND	4.6	2.4	3.2	4.4	1.6
1,2-DICHLOROBENZENE	NA	NA	<0.40	NA	<0.40	NA	<1.0	<0.20	NA	NA	NA	NA	NA	<0.40	<0.50	<0.50	<0.50	<1.0
1,3-DICHLOROBENZENE	NA	NA	<0.40	NA	<0.40	NA	<1.0	<0.40	NA	NA	NA	NA	NA	<0.40	<0.40	<0.40	<0.40	<1.0
1,4-DICHLOROBENZENE	NA	NA	<0.40	NA	<0.40	NA	<1.0	<0.20	NA	NA	NA	NA	NA	<0.40	<0.40	<0.40	<0.40	<1.0
ACETONE	---	---	---	---	---	---	---	---	---	---	---	---	---	---	<5	<5	<5	<5
BENZENE	ND	ND	<0.20	ND	<0.40	ND	<0.50	<0.20	ND	ND	ND	ND	ND	<0.20	<0.40	<0.40	<0.40	<1.0
CHLOROBENZENE	ND	ND	ND	ND	ND	ND	<1.0	<0.20	ND	ND	ND	ND	ND	<0.20	<0.40	<0.40	<0.40	<1.0
CHLOROETHANE	NA	NA	<1.0	NA	<2.0	NA	<5.0	<0.20	NA	NA	NA	NA	NA	0.72	<0.40	<0.40	<0.40	<1.0
CIS-1,2-DICHLOROETHENE	17	60	36	35	32	11	87	37	23	320	43	250	540	31	14	17	22	10
DICHLOROBENENE (Total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.40	<0.50	<0.50	<0.50	<1.0
ETHYLBENZENE	ND	ND	<0.20	ND	<0.40	ND	1.3	<1.0	ND	21	ND	ND	8	<0.20	<0.40	<0.40	<0.40	<1.0
TETRACHLOROETHENE	1.3	55	11	9	13	2.1	3.3	3.4	2.6	ND	1.4	4.6	5.6 J	3.5	4.7	5.5	5.8	3.8
TOLUENE	ND	ND	<0.20	ND	<0.40	ND	18	0.54	ND	270	ND	0.65	120	<0.20	<0.40	<0.60	<0.60	<1.0
XYLENE (TOTAL)	ND	ND	<0.20	ND	<0.40	ND	2.4	<0.20	ND	64	ND	2.9	66.1	<0.66	<1.0	<1.0	<1.0	<3.0
TRANS-1,2-DICHLOROETHENE	0.3	ND	0.29	ND	<0.40	--	<1.0	0.89	ND	ND	1.2	0.42	ND	0.74	<0.40	<0.40	0.59	0.22
TRICHLOROETHENE	3.3	110	28	23	37	5	13	11	8	130	9.6	8.2	130	13	7.1	12	11	6.7
VINYL CHLORIDE	4.6	ND	4.3	5	0.85 J	1.4	7.0	8.1	2.4	34	19	40	72	6.0	2.9	3.0	7.6	1.0

* Sample was collected directly from the manhole, not the influent piping to the GCTS

All units are ug/L

J Estimated Value

NA: Not available

ND: Not detected above laboratory detection limits

--- Sample not analyzed for

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Table 18. AOC 4 - Summary of Groundwater Sample Results from Bedding Investigation, November - December 2008, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York

CONSTITUENT	NYSDEC GW STANDARDS	PZ-11		PZ-12	PZ-13		PZ-14	PZ-15	PZ-16
		11/4/2008	12/11/2008	12/11/2008	11/4/2008	12/11/2008	12/11/2008	12/11/2008	12/11/2008
1,1,1-TRICHLOROETHANE	5	<1	<2	<1	<1	<1	<1	<1	<1
1,1,2,2-TETRACHLOROETHANE	5	<1	<2	<1	<1	<1	<1	<1	1.0
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5	<1	<2	<1	<1	<1	<1	<1	<1
1,1,2-TRICHLOROETHANE	1	<1	<2	<1	<1	<1	<1	<1	<1
1,1-DICHLOROETHANE	5	<1	<2	<1	<1	<1	<1	<1	<1
1,1-DICHLOROETHENE	0.7	<1	<2	<1	<1	<1	<1	<1	<1
1,2,4-TRICHLOROBENZENE	5	<1	<2	<1	<1	<1	<1	<1	<1
1,2-DIBROMO-3-CHLOROPROPANE	0.04	<1	<2	<1	<1	<1	<1	<1	<1
1,2-DIBROMOETHANE	NS	<1	<2	<1	<1	<1	<1	<1	<1
1,2-DICHLOROBENZENE	3	<1	<2	<1	<1	<1	<1	<1	<1
1,2-DICHLOROETHANE	0.6	<1	<2	<1	<1	<1	<1	<1	<1
1,2-DICHLOROPROPANE	1	<1	<2	<1	<1	<1	<1	<1	<1
1,3-DICHLOROBENZENE	3	<1	<2	<1	<1	<1	<1	<1	<1
1,4-DICHLOROBENZENE	3	<1	<2	<1	<1	<1	<1	<1	<1
2-BUTANONE	50	<5	<10	<5	<5	<5	<5	<5	<5
2-HEXANONE	50	<5	<10	<5	<5	<5	<5	<5	<5
4-METHYL-2-PENTANONE	NS	<5	<10	<5	<5	<5	<5	<5	<5
ACETONE	50	<5	3.2 J	3.3 J	24	4.0 J	6.3	<5	<5
BENZENE	1	<1	<2	<1	<1	<1	<1	<1	<1
BROMODICHLOROMETHANE	50	<1	<2	<1	<1	<1	<1	<1	<1
BROMOFORM	50	<1	<2	<1	<1	<1	<1	<1	<1
BROMOMETHANE	5	<1	<2	<1	<1	<1	<1	<1	<1
CARBON DISULFIDE	NS	<1	<2	<1	<1	<1	<1	<1	<1
CARBON TETRACHLORIDE	5	<1	<2	<1	<1	<1	<1	<1	<1
CHLOROBENZENE	5	<1	<2	<1	<1	<1	<1	<1	<1
CHLOROETHANE	5	<1	<2	<1	<1	<1	<1	<1	<1
CHLOROFORM	7	0.83 J	<2	<1	<1	<1	<1	<1	0.78 J
CHLOROMETHANE	NS	<1	<2	<1	<1	<1	<1	<1	<1
CIS-1,2-DICHLOROETHENE	5	**8.8**	2.7	**10**	4.1	<1	2.5	**9.6**	**5.5**
CIS-1,3-DICHLOROPROPENE	0.4	<1	<2	<1	<1	<1	<1	<1	<1
CYCLOHEXANE	NS	<1	<2	<1	<1	<1	<1	<1	<1
DIBROMOCHLOROMETHANE	5	<1	<2	<1	<1	<1	<1	<1	<1
DICHLORODIFLUOROMETHANE	5	<1	<2	<1	<1	<1	<1	<1	<1
ETHYLBENZENE	5	<1	<2	<1	<1	<1	<1	<1	<1
ISOPROPYLBENZENE	5	<1	<2	<1	<1	<1	<1	<1	<1
METHYL ACETATE	NS	<1	<2	<1	<1	<1	<1	<1	<1
METHYL-T-BUTYL ETHER (MTBE)	NS	<1	<2	<1	<1	<1	<1	<1	<1
METHYLCYCLOHEXANE	NS	<1	<2	<1	<1	<1	<1	<1	<1
METHYLENE CHLORIDE	5	<1	<2	<1	<1	<1	<1	<1	<1
STYRENE (MONOMER)	5	<1	<2	<1	<1	<1	<1	<1	<1
TETRACHLOROETHENE	5	**95**	**15**	**45**	**5.7**	1.9	1.8	**6.7**	**8.6**
TOLUENE	5	<1	<2	<1	<1	<1	<1	<1	<1
XYLENE (TOTAL)	5	<3	<6	<3	<3	<3	<3	<3	<3
TRANS-1,2-DICHLOROETHENE	5	<1	<2	<1	<1	<1	0.52 J	0.74 J	<1
TRANS-1,3-DICHLOROPROPENE	0.4	<1	<2	<1	<1	<1	<1	<1	<1
TRICHLOROETHENE	5	**33**	4.5	**18**	2.6	0.53 J	1.2	**6.5**	**10**
TRICHLOROFLUOROMETHANE	5	<1	<2	<1	<1	<1	<1	<1	<1
VINYL CHLORIDE	2	<1	<2	<1	<1	<1	<1	<1	<1

Notes:
Data compared to TOGS 1.1.1 Ambient Water Quality Standards and Guidance Values
NS - No Standard
All units are ug/L unless otherwise noted
Exceedences noted in **bold**.
J - Estimated Value

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Table 19. Preliminary Evaluation of Remedial Technologies for Groundwater (AOCs 1 and 4), Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.

Response Actions	Remedial Technologies	Process Options	Description	Retained: Yes or No	Decision Rationale
No Action	Not Applicable	Not Applicable	Not Applicable	Yes	Used as a baseline for comparison to other alternatives.
Institutional Control	Site Management Plan	Site Management Plan	Site Management Plan to provide information on restrictions.	Yes	Conventional action for protection of human health and the environment; typically used in conjunction with other remedial strategies.
MNA	MNA	MNA	Perform routine water quality monitoring to periodically assess improvement in groundwater quality.	Yes	Monitoring of environmental media is typically used in conjunction with other technology types for remedial actions.
Containment	Infiltration Control or Capping	Impermeable cover	Using an impermeable cover such as concrete and asphalt to prevent infiltration that may become impacted.	Yes	Site is currently covered with asphalt and concrete and building covers impacted soils.
		Line Stormwater Pipes	Slip-line stormwater pipes to eliminate the potential for infiltration of impacted groundwater.	Yes	Preventing potential contact of impacted groundwater and stormwater decreases the risk of cross contamination and contaminant migration off site.
		R-R Stormwater Pipes	R/R existing stormwater pipes through impacted areas. Pipes would be rerouted either overhead or through unimpacted areas.	Yes	Preventing potential contact of impacted groundwater and stormwater decreases the risk of cross contamination and contaminant migration off site.
	Barriers (Horizontal or Vertical)	Grout Injection	Pressure injection of grout at depth through tightly spaced boreholes. Provides low permeability confining unit beneath impacted areas to prevent vertical migration.	No	Ineffective in lower permeable soil present at the site.
		Trenched Cut-off Wall	Using a bentonite slurry or other low permeability material placed in a trench to create a wall that prevents horizontal migration of contaminated groundwater. Must be combined with groundwater extraction or similar technology.	No	Ineffective in lower permeable soil present at the site.
		Sheet Piling	Using sheet piles to form a low permeability wall that prevents the horizontal migration of contaminated groundwater. Must be combined with groundwater extraction and treatment or similar technology.	No	Ineffective in lower permeable soil present at the site.
		Permeable Reactive Wall	A passive treatment wall is constructed across the flow path of the contaminant plume, allowing groundwater to be treated as it passes through the wall.	No	Ineffective in lower permeable soil present at the site.
		Groundwater Extraction	Hydraulic containment through the extraction of site groundwater from vertical wells.	Yes	Conventional technology. Groundwater pumping also provides contaminant mass removal.
		Groundwater Recovery Trenches	Trenches, drains, and piping used to passively collect groundwater.	Yes	Conventional technology. Passive collection of groundwater and subsequent pumping provides contaminant mass removal. A groundwater recovery treatment system currently exists and operates on-site.

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Table 19. Preliminary Evaluation of Remedial Technologies for Groundwater (AOCs 1 and 4), Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.

Response Actions	Remedial Technologies	Process Options	Description	Retained: Yes or No	Decision Rationale
Removal	Excavation/dewatering	Excavation/dewatering	Removal of impacted soil and/or groundwater through excavation and dewatering.	No	Access to the impacted area requiring excavation is technically impractical (current structures).
In Situ Treatment	Physical	DPE	Moderate to high vacuum (i.e. higher than 10 mm Hg) is applied to a series of extraction wells for enhanced total fluids recovery. Requires ex situ treatment and disposal of extracted fluids.	Yes	DPE or enhanced fluid recovery is a conventional technology. Requires pilot testing given hydrogeologic conditions at site.
		Air Sparging	In-situ stripping of VOCs using air injection wells.	No	Conventional technology, usually employed with soil vapor extraction. Ineffective in fine-grained soils.
		In-well Stripping	In-situ stripping of VOCs in a dual-screened well that controls groundwater flow.	No	Similar to air sparging with stripping of VOCs. Not effective in fine-grained soils.
	Chemical	Oxidation	Injection of persulfate or permanganate to oxidize contaminants in-situ.	Yes	Conventional technology for VOCs.
		Reactive ZVI	Injection of reactive iron to chemically reduce contaminants in-situ.	Yes	Implementable technology for VOCs.
	Biological	Enhanced Reductive Dechlorination	Injection of a degradable substrate to facilitate biodegradation of chlorinated compounds by native microorganisms.	Yes	Implementable technology for chlorinated VOCs.

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Table 19. Preliminary Evaluation of Remedial Technologies for Groundwater (AOCs 1 and 4), Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.

Response Actions	Remedial Technologies	Process Options	Description	Retained: Yes or No	Decision Rationale
Ex situ Treatment	Physical	Air Stripping	Contaminants are transferred from an aqueous phase to a vapor phase. Off-gas may require additional treatment.	Yes	Conventional technology for ex-situ groundwater treatment of VOCs. Currently used at the site.
		Carbon Adsorption	Contaminants are removed from the aqueous phase or vapor phase onto activated carbon.	Yes	Conventional technology for ex-situ groundwater treatment of VOCs.
	Chemical	UV/Chemical Oxidation	Involves destroying VOCs by changing the oxidation state of target contaminants using UV radiation and chemical oxidants.	Yes	Ex-situ treatment of groundwater using UV/chemical oxidation have been applied at a variety of sites (in conjunction with collection and discharge).
		Ozone	Use of ozone to oxidize contaminants ex-situ.	Yes	Implementable technology for VOCs.
		Fenton's Reagent/Hydrogen Peroxide	Use of the hydroxyl radical through Fenton's reagent to oxidize contaminants ex-situ and/or increase dissolved oxygen.	Yes	Implementable technology for VOCs.
		Potassium Permanganate	Use of potassium or sodium permanganate to oxidize contaminants ex-situ.	Yes	Implementable technology for VOCs.
		Reactive ZVI	Use of reactive iron to chemically reduce contaminants ex-situ.	Yes	Implementable technology for VOCs.
	Biological	Aerobic Bioreactor	Aerobic biodegradation performed in an engineered bioreactor for contaminant removal from a process stream.	Yes	Site-related constituents can biodegrade under aerobic conditions.
		Anaerobic Bioreactor	Biodegradation in the absence of oxygen performed in an engineered bioreactor for contaminant removal from a process stream.	No	Long hydraulic retention times for complete mineralization of chlorinated ethenes require large reactor volumes.
		Phytoremediation/Wetlands Construction	Provides biological treatment for susceptible constituents.	No	Technically impractical at the site due to space requirements.
Disposal/Discharge	Discharge	POTW	Off-site discharge to a POTW under applicable discharge permits.	Yes	POTWs typically accept remediation system discharges (in conjunction with collection and ex-situ treatment). May require on-site pretreatment for VOCs.
		Facility Use	Non-potable on-site reuse of treated groundwater.	Yes	Non-potable water could possibly be used by current property owner.
		Reinjections	Reinject treated groundwater meeting NYDEC discharge limits outside the areas of contamination.	No	Ineffective in lower permeable soil present at the site.
		Surface Water Discharge	Discharge treated groundwater meeting SPDES permit limits	Yes	On-site discharge of treated groundwater is a conventional discharge technology (in conjunction with collection and ex-situ treatment) and is the current practice.
		Air Discharge	Discharge from air stripper achieving regulatory standards	Yes	If necessary, GAC can be used to achieve regulatory air discharge standards.

AOC	Area of Concern
LMC	Lockheed Martin Corporation
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
USEPA	United States Environmental Protection Agency
MNA	Monitored Natural Attenuation
R-R	Replace and Reroute
DPE	Dual Phase Extraction
VOC	Volatile Organic Compounds
ZVI	Zero Valent Iron
UV	Ultra-Violet
POTW	Publicly Owner Treatment Works
NYDEC	New York Department of Environmental Conservation
SPDES	State Pollution Discharge Elimination System
GAC	Granular Activated Carbon
SMP	Site Management Plan

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Table 20. Preliminary Evaluation of Remedial Technologies for Soil (AOC 3), Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.

Response Actions	Remedial Technologies	Process Options	Description	Retained: Yes or No	Decision Rationale
No Action	Not Applicable	Not Applicable	Not Applicable	Yes	Used as a baseline for comparison to other alternatives.
Institutional Control	Site Management Plan	Site Management Plan	Site Management Plan to provide information on restrictions.	Yes	Conventional technology for protection of human health and the environment; typically used in conjunction with other remedial strategies.
Containment	Capping or Infiltration Control	Soil, Asphalt, and/or Concrete Cover	Ensure direct contact is prevented through use of some type of cover.	Yes	Site is currently covered with asphalt and concrete and building covers impacted soils.
Removal	Excavation	Excavation	Removal of impacted soil through excavation and dewatering.	No	Access to the impacted area requiring excavation is technically impractical (current structures).
In Situ Treatment	Physical	DPE	Moderate to high vacuum (i.e. higher than 10 mm Hg) is applied to a series of extraction wells for enhanced total fluids recovery. Treatment provided in vadose zone. Effectiveness limited by low permeability soil.	Yes	DPE or enhanced fluid recovery is a conventional technology. Requires pilot testing given hydrogeologic conditions at site.
		SVE	Low to moderate vacuum (i.e. less than 10 mm Hg) is applied to a series of extraction wells to enhance volatilization of VOCs. Vapor is recovered at the wellhead and treated. Effectiveness limited by low permeability soil.	Yes	Conventional vadose zone treatment technology. Requires pilot testing given hydrogeologic conditions at site.
		Soil Flushing	Movement of high quantities of water through impacted soil to desorb contaminants.	No	Ineffective in lower permeable soils present at the site.
	Chemical	Stabilization/Solidification	Fixation of soil and contaminants by mixing various agents	No	Cannot access most areas due to buildings.
	Biological	Bio-Venting	Controlled addition of oxygen to vadose zone to stimulate aerobic microorganisms who in turn catabolize contaminants for energy and produce benign end products.	No	Ineffective in lower permeable soils present at the site.

AOC	Area of Concern
LMC	Lockheed Martin Corporation
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
USEPA	United States Environmental Protection Agency
MNA	Monitored Natural Attenuation
R/R	Replace and Reroute
DPE	Dual Phase Extraction
VOC	Volatile Organic Compounds
ZVI	Zero Valent Iron
UV	Ultra-Violet
POTW	Publicly Owner Treatment Works
NYDEC	New York Department of Environmental Conservation
SPDES	State Pollution Discharge Elimination System
GAC	Granular Activated Carbon
SVE	Soil Vapor Extraction
SMP	Site Management Plan

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Table 21. Preliminary Evaluation of Remedial Technologies for Soil Vapor/Indoor Air (AOC 2), Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.

Response Actions	Remedial Technologies	Process Options	Description	Retained: Yes or No	Decision Rationale
No Action	Not Applicable	Not Applicable	Not Applicable	Yes	Used as a baseline for comparison to other alternatives.
Institutional Control	Site Management Plan	Site Management Plan	Site Management Plan to provide information on restrictions.	Yes	Conventional technology for protection of human health and the environment; typically used in conjunction with other remedial strategies.
Containment	Capping/Vent Layer	Impermeable Vapor Barrier	Using an impermeable vapor barrier to prevent migration of contaminants to indoor air.	No	Technically impractical due to existing buildings.
		SSDS	Low vacuum removal of soil vapor below the building to eliminate migration to indoor air.	Yes	Conventional barrier technology for buildings. System already exists at site.
In Situ Treatment	Physical	DPE	Moderate to high vacuum (i.e. higher than 10 mm Hg) is applied to a series of extraction wells for enhanced total fluids recovery	Yes	DPE or enhanced fluid recovery is a conventional technology. Requires pilot testing given hydrogeologic conditions at site.
		SVE	Low to moderate vacuum (i.e. less than 10 mm Hg) is applied to a series of extraction wells to enhance volatilization of VOCs. Vapor is recovered at the wellhead and treated.	Yes	Conventional vadose zone treatment technology. Requires pilot testing given hydrogeologic conditions at site.
Ex Situ Treatment	Physical	Carbon Adsorption	Contaminants are removed from the vapor phase onto activated carbon.	Yes	Conventional secondary treatment of off-gas from collection system. Currently used at site.
	Chemical	Catalytic Oxidation	Oxidation of hydrocarbons in a vapor stream using a catalyst to decrease the temperature required for oxidation to occur.	Yes	Conventional technology for VOCs.
		Thermal Oxidation	Thermal oxidation of hydrocarbons in a vapor stream.	No	Not effective when compared to already applied technologies.
Discharge	Discharge	Air Discharge	Discharge from SSDS achieving regulatory standards.	Yes	Conventional technology for discharge of vapors. Currently used at site.

AOC	Area of Concern
LMC	Lockheed Martin Corporation
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
USEPA	United States Environmental Protection Agency
MNA	Monitored Natural Attenuation
R/R	Replace and Reroute
DPE	Dual Phase Extraction
VOC	Volatile Organic Compounds
ZVI	Zero Valent Iron
UV	Ultra-Violet
POTW	Publicly Owner Treatment Works
NYDEC	New York Department of Environmental Conservation
SPDES	State Pollution Discharge Elimination System
GAC	Granular Activated Carbon
SVE	Soil Vapor Extraction
SSDS	Sub-Slab Depressurization System
SMP	Site Management Plan

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Table 22. Process Options Screening for Groundwater (AOCs 1 and 4), Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.

Remedial Technologies	Process Options	Effectiveness Evaluation	Implementability Evaluation	Relative Cost Evaluation	Retained?
No Action	No Action	--	--	--	Yes: Used as a baseline for comparison to other alternatives.
Institutional Control	Site Management Plan	Moderate: The future land use of the site is expected to be industrial. Maintaining the SMP will reduce the risk to human health of workers on site.	High: Easily established through SMP.	Low: Negligible cost	Yes: Considered in conjunction with other process options.
MNA	MNA	Moderate: Effective for reducing concentrations in groundwater and source areas to cleanup goals over an extended timeframe.	High: Existing monitoring well network can be used.	Low to Moderate: Low capital cost due to existing monitoring well network being in place, however more wells may be required. Moderate long term O&M required.	Yes: Conventional technology. Considered in conjunction with other process options.
Infiltration Control or Capping	Impermeable Cover	Low: Low effectiveness as it will not provide additional protection given relatively high water table and minor soil impacts.	High: Impermeable cover of asphalt, concrete, etc. exists at site.	Low: Low O&M cost.	No: Does not provide additional protectiveness.
	Line Stormwater Pipes	Moderate: Effective in reducing stormwater contact with potentially contaminated groundwater.	Low: Difficult to access under building. Difficult to seal pipe penetrations and maneuver bends in pipe.	Low to Moderate: Moderate capital cost for installation; low O&M cost	No: High capital cost and difficult implementability in comparison to other process options such as groundwater recovery trenches.
	R/R Stormwater Pipes	High: By rerouting the stormwater pipes away from potential contamination, the risk of cross contamination from groundwater to stormwater is removed.	Low: Rerouting and replacing stormwater pipe will require trenching. The locations available for stormwater pipe will be dictated by existing buildings and utilities.	Moderate: High capital cost and low O&M cost.	No: High capital cost and difficult implementability in comparison to other process options such as groundwater recovery trenches.
Barriers	Groundwater Extraction	Moderate: Although effective for containment of impacted groundwater, would require long-term operation for remediation of groundwater.	Low to Moderate: Would require extraction well installation and trenching. Access restrictions due to building. Would also require new electrical, mechanical, and civil design and enhancement of the on-site treatment facility.	Moderate to High: High capital cost to install infrastructure and customize current treatment facility. Moderate O&M costs due to extended timeframe of operation.	No: High capital cost and difficult implementability in comparison to other process options such as groundwater recovery trenches.
	Groundwater Recovery Trenches	Moderate to High: Effective for containment of impacted groundwater. Requires long-term operation for remediation of groundwater.	High: Implementation would require only enhancement to the current groundwater recovery trench system operating onsite.	Moderate: Moderate capital cost will be required to enhance current onsite operation. Low O&M costs although will operate for an extended period of time.	Yes: Considered in conjunction with other process options and is currently being applied at the site.

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Table 22. Process Options Screening for Groundwater (AOCs 1 and 4), Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.

Remedial Technologies	Process Options	Effectiveness Evaluation	Implementability Evaluation	Relative Cost Evaluation	Retained?
In-Situ Physical Treatment	DPE	Low to Moderate: Low permeability soils will limit the effectiveness of source mass recovery.	Low: Majority of beneficial recovery wells would require installation inside a building in a clean room or through the use of horizontal drilling.	High: High capital cost to install DPE wells in clean room or through horizontal drilling. Moderate O&M costs.	No: While technically feasible, high capital cost and current site configuration and production schedule make this technology not implementable at this time.
	SVE	Low: Site has minimal vadose zone with minimal impacts. Could be combined with another process option to capture vapors from deeper impacts. Low permeability soil will limit effectiveness.	Low to Moderate: Not easily implementable due to low permeability soil. Would require wells installed in a clean room, or through the use of horizontal drilling.	High: High capital cost to install SVE network in clean room, or with horizontal drilling. Low O&M costs.	No: High capital cost and difficult implementability in comparison to other process options such as currently existing SSDS.
In-Situ Chemical Treatment	Oxidation	Moderate: Effective for site contaminants. Bench and pilot testing required to understand natural oxidant and oxidant delivery issues. Low permeability soil will limit effectiveness.	Low to Moderate: Health and safety concern and effective delivery of oxidant would be difficult in low permeability soils. Access under building only possible through horizontal drilling.	High: High capital cost and moderate O&M cost.	No: High capital cost and current site configuration and production schedule make this not implementable at this time.
	Reactive ZVI	Moderate: Effective for VOCs in groundwater, though low permeability soil will limit effectiveness.	Low: Majority of beneficial injections wells would require installation inside a building in a clean room or through the use of horizontal drilling.	High: High capital cost and moderate O&M cost.	No: High capital cost and current site configuration and production schedule make this not implementable at this time.
In-Situ Biological Treatment	Enhanced Reductive Dechlorination	Moderate: Effective for remediation of CVOCs in groundwater, though low permeability soil will limit effectiveness.	Low: Majority of beneficial injections wells would require installation inside a building in a clean room or through the use of horizontal drilling.	Moderate: Moderate capital costs, moderate O&M cost.	No: Current site configuration and production schedule make this not implementable at this time.
Ex-Situ Physical Treatment	Air Stripping	High: Effective for ex-site remediation VOCs in groundwater.	High: Very little modification would be necessary to continue to operate current air stripper onsite.	Low: Negligible cost as it is already being used.	Yes: Considered in conjunction with groundwater collection trenches.
	Carbon Adsorption	Moderate: Generally not effective for vinyl chloride although effective for a wide range of other contaminants.	Moderate: Proven and standard technology.	Moderate to High: High capital cost to install infrastructure and decommission air stripper; would require logic changes to automation; moderate long-term O&M cost due to regeneration of carbon and more involved O&M than air stripping.	No: Increased capital and O&M costs without substantial increase in effectiveness as compared to air stripping.

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Table 22. Process Options Screening for Groundwater (AOCs 1 and 4), Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.

Remedial Technologies	Process Options	Effectiveness Evaluation	Implementability Evaluation	Relative Cost Evaluation	Retained?
Ex-Situ Chemical Treatment	UV/Chemical Oxidation	Moderate to High: Moderately effective for ex-situ treatment of VOCs in groundwater	Moderate: Health and safety concern due to strong oxidation potential.	High: Moderate capital cost; high O&M cost	No: Not effective when compared to other process options. Treatment for contamination requiring oxidation is not expected.
	Ozone	Moderate to High: Moderately effective for ex-situ treatment of VOCs in groundwater. May require somewhat longer treatment time compared with other oxidation methods.	Low to Moderate: Health and safety concern due to strong oxidation potential. Ozone will require to be produced on-site. Delivery may be concern to gaseous state.	High: High capital cost; low to moderate O&M cost	No: Not effective when compared to other process options. Treatment for contamination requiring oxidation is not expected.
	Fenton's Reagent/Hydrogen Peroxide	Moderate to High: Moderately effective for ex-situ treatment of VOCs in groundwater.	Moderate: Health and safety concern due to strong oxidation potential.	High: Moderate capital cost; high O&M cost	No: Not effective when compared to other process options. Treatment for contamination requiring oxidation is not expected.
	Potassium Permanganate	Moderate to High: Moderately effective for ex-situ treatment of VOCs in groundwater. Proven effective treatment in wastewater industry.	Moderate: Health and safety concern due to strong oxidation potential.	High: Moderate capital cost; high O&M cost	No: Not effective when compared to other process options. Treatment for contamination requiring oxidation is not expected.
	Reactive ZVI	Low to Moderate: Effective for treatment of VOCs.	Low: Difficult to access source under building. Technology would require soil mixing in source area.	High: Moderate capital cost; high O&M cost	No: Not effective when compared to other process options.

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Table 22. Process Options Screening for Groundwater (AOCs 1 and 4), Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.

Remedial Technologies	Process Options	Effectiveness Evaluation	Implementability Evaluation	Relative Cost Evaluation	Retained?
Ex-Situ Biological Treatment	Aerobic Bioreactor	Moderate: Effectiveness will be controlled by maintaining an active microorganism population.	Low: Complete alteration to existing treatment facility and likely significant effort to cultivate microbes required.	Moderate to High: High capital cost, moderate O&M cost	No: Increased capital and O&M costs without substantial increase in effectiveness as compared to air stripping.
Discharge	POTW	High: Requires the lowest level of treatment prior to discharge.	Low: Not being implemented at the site currently. Would require permitting and alteration to discharge line to connect to POTW.	Moderate: Moderate capital cost and moderate O&M cost	No: Does not offer significant benefits compared to current discharge method.
	Facility Use	Moderate: Effectiveness limited by whether current property owner needs non-potable water or not.	Moderate: Implementabilty would be dictated by level of need of the current property owner.	Moderate: Cost would be contingent upon current property owner's need	No: Does not offer significant benefits compared to current discharge method.
	Reinjections	High: Requires high level of treatment to meet discharge standards.	Low to Moderate: Requires permit for discharge to groundwater.	Moderate to High: Treatment costs prior to discharge	No: Does not offer significant benefits compared to current discharge method.
	Surface Water Discharge	High: Requires high level of treatment to meet discharge standards.	High: SPDES permit already in place, and discharge to surface water is current procedure.	Low: negligible capital cost; minimal O&M cost	Yes: Already proven effective for disposal of treated effluent. Additional monitoring may be required, i.e. acute toxicity limits.
	Air Discharge	High: Diverting air stripper gaseous effluent through GAC will remove majority of VOCs	Moderate: Will require the installation of a GAC unit and requisite plumbing	Low to Moderate: Moderate capital cost; low O&M cost	Yes: Maintained as a contingency in the event of an exceedence of discharge limits.

AOC	Area of Concern
LMC	Lockheed Martin Corporation
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
USEPA	United States Environmental Protection Agency
MNA	Monitored Natural Attenuation
R/R	Replace and Reroute
DPE	Dual Phase Extraction
SVE	Soil Vapor Extraction
SSDS	Sub-Slab Depressurization System
VOC	Volatile Organic Compounds
CVOC	Chlorinated Volatile Organic Compounds
ZVI	Zero Valent Iron
UV	Ultra-Violet
POTW	Publicly Owner Treatment Works
NYDEC	New York Department of Environmental Conservation
SPDES	State Pollution Discharge Elimination System
GAC	Granular Activated Carbon
O&M	Operation and Maintenance
SMP	Site Management Plan

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Table 23. Process Options Screening for Soil (AOC 3), Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.

Remedial Technologies	Process Options	Effectiveness Evaluation	Implementability Evaluation	Relative Cost Evaluation	Retained?
No Action	No Action	--	--	--	Yes: Used as a baseline for comparison to other alternatives.
Institutional Control	Site Management Plan	Moderate: The future land use of the site is expected to be industrial. Maintaining the SMP will reduce the risk to human health of workers on site.	High: Easily established through SMP.	Low: Negligible cost	Yes: Considered in conjunction with other process options.
In-Situ Physical	DPE	Low to Moderate: Low permeability soils will limit the effectiveness of source mass recovery.	Low: Majority of beneficial recovery wells would require installation inside a building in a clean room or through the use of horizontal drilling.	High: High capital cost to install DPE wells in clean room or with horizontal drilling. Moderate O&M costs.	No: While technically feasible, high capital cost and difficult implementability in comparison to other process options such as currently existing SSDS.
	SVE	Low: Site has minimal vadose zone with minimal impacts. Could be combined with another process option to capture vapors from deeper impacts. Low permeability soil will limit effectiveness.	Low to Moderate: Not easily implementable due to low permeability soil. Would require wells installed in a clean room, or through the use of horizontal drilling.	High: High capital cost to install SVE network in clean room, or with horizontal drilling. Low O&M costs.	No: High capital cost and difficult implementability in comparison to other process options such as currently existing SSDS.

AOC	Area of Concern
LMC	Lockheed Martin Corporation
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
USEPA	United States Environmental Protection Agency
MNA	Monitored Natural Attenuation
R/R	Replace and Reroute
DPE	Dual Phase Extraction
SSDS	Sub-Slab Depressurization System
VOC	Volatile Organic Compounds
ZVI	Zero Valent Iron
UV	Ultra-Violet
POTW	Publicly Owner Treatment Works
NYDEC	New York Department of Environmental Conservation
SPDES	State Pollution Discharge Elimination System
GAC	Granular Activated Carbon
O&M	Operation and Maintenance
SMP	Site Management Plan

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Table 24. Process Options Screening for Soil Vapor/Indoor Air (AOC 2), Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.

Remedial Technologies	Process Options	Effectiveness Evaluation	Implementability Evaluation	Relative Cost Evaluation	Retained?
No Action	No Action	--	--	--	Yes: Used as a baseline for comparison to other alternatives.
Institutional Control	Site Management Plan	Moderate: The future land use of the site is expected to be industrial. Maintaining the SMP will reduce the risk to human health of workers on site.	High: Easily established through SMP.	Low: Negligible cost	Yes: Considered in conjunction with other process options.
Capping/Vent Layer	SSDS	Moderate: Effectiveness limited by the strategic locations of venting points	High: A SSDS system is currently operating successfully.	Low to Moderate: Moderate capital cost to make necessary adjustments and low O&M cost	Yes: Considered in conjunction with other process options.
In-Situ Physical	DPE	Low to Moderate: Fine grained soils will limit the effectiveness of source mass recovery.	Low: Majority of beneficial recovery wells would require installation inside a building in a clean room or through the use of horizontal drilling.	High: High capital cost to install DPE wells in clean room or through the use of horizontal drilling. Moderate O&M costs.	No: While technically feasible, high capital cost and difficult implementability in comparison to other process options such as currently existing SSDS.
	SVE	Moderate: Low-permeability soil will limit effectiveness	Low: Majority of beneficial recovery wells would require installation inside a building in a clean room or through the use of horizontal drilling.	High: High capital cost to install SVE wells in clean room or through the use of horizontal drilling. Moderate O&M costs.	No: High capital cost and difficult implementability in comparison to other process options such as currently existing SSDS.
Ex-Situ Physical	Carbon Adsorption	High: Effective for a wide range of VOCs.	Moderate: Proven and standard technology.	Low to Moderate: Moderate capital cost to make necessary adjustments and low O&M cost	Yes: Currently used as part of the SSDS.
Ex-Situ Chemical	Catalytic Oxidation	High: Highly effective for ex-situ treatment of VOCs	Low: Would significant modifications to current air stripping treatment	High: High capital cost and moderate O&M cost	No: High capital cost and difficult implementability in comparison to other process options such as currently existing SSDS.
Discharge	Air Discharge	High: Already proven effective at site.	High: Already proven effective at site.	Moderate: Moderate capital cost and O&M cost	Yes: Currently used as part of the SSDS.

AOC	Area of Concern
LMC	Lockheed Martin Corporation
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
USEPA	United States Environmental Protection Agency
MNA	Monitored Natural Attenuation
R/R	Replace and Reroute
DPE	Dual Phase Extraction
SSDS	Sub-Slab Depressurization System
VOC	Volatile Organic Compounds
ZVI	Zero Valent Iron
UV	Ultra-Violet
POTW	Publicly Owner Treatment Works
NYDEC	New York Department of Environmental Conservation
SPDES	State Pollution Discharge Elimination System
GAC	Granular Activated Carbon
O&M	Operation and Maintenance
SMP	Site Management Plan

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Table 25. Summary of Corrective Measures Alternatives, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.

Alternative 1

Groundwater Corrective Measure

No Action

Soil Vapor/Indoor Air Corrective Measure

No Action

Soil Corrective Measure

No Action

Alternative 2

Groundwater Corrective Measure

Continued Operation of the GCTS with Upgrades

• Currently existing: Two underdrains and 2 manhole sumps (MH-1 and MH-2) pumping to an onsite air stripper
• Existing monitoring: Monthly system discharge samples and a discharge monitoring report (DMR)
• Proposed Upgrade: Another underdrain installed along the stormwater pipe from catch basin CB-1 to CB-2
• Proposed Construction of underdrain: 6" perforated smooth HDPE as collection pipe with 2" HDPE from MH-3 to MH-2 (existing) with 4" nonperforated corrugated HDPE as secondary containment
• Proposed MH-3 to have same construction as MH-1 and MH-2 (existing)
• Proposed 0.5% grade in newly constructed collection trench
• Proposed depth of newly constructed collection trench: 9-10.5 ft bgs
• Approximately 210 ft of proposed trench for collection trench (6" pipe)
• Approximately 140 ft of proposed trench from MH-3 (proposed) to MH-2 (existing)
• Proposed underdrain to be tied into existing system at MH-2
• Proposed monitoring of GCTS will include continuation of effluent sampling and completing a DMR in agreement with SPDES permit
• Proposed MNA plan will be implemented to ensure long term remediation goals are achieved, and human health and the environment are protected
• A Site Management Plan will supplement the operation of the GCTS.

Soil Vapor/Indoor Air Corrective Measure

Continued Operation of the SSDS With Upgrades

• Currently existing: 3 SSDS extraction points and 11 temporary vapor monitor points (VMP), vapor phase carbon treatment
• Existing monitoring: O&M visits to record measurements, collect vapor samples, and record vacuum propagation readings
• Proposed Upgrade: Install new VMPs, extraction points, and sumps
• Proposed Monitoring: Continue with O&M visits to record measurements, collect vapor and indoor air samples, monitor vacuum propagation
• Proposed MNA plan will be implemented to ensure long term remediation goals are achieve and human health and the environment are protected
• A Site Management Plan will supplement the operation of the SSDS.

Soil Corrective Measure

Details to be presented in the SMP

Site Management Plan

A Site Management Plan will be in place to control activities at the site that could potentially damage or impair performance of the corrective measures alternatives. The SMP is a passive alternative that specifies the requirements for by management of the corrective measures and the existing cap and management of intrusive activities in restricted areas. During the time when contaminants will remain, the SMP along with implementation of corrective measures will control exposure. The SMP requires virtually no construction but may require off-site treatment, storage, or disposal if impacted soil is excavated as part of property improvements or other non-remedial activities. The SMP does not require special technologies. The time for beneficial results is immediate upon instituting the SMP.

LMC - Lockheed Martin Corporation
GCTS - Groundwater Collection Treatment System
MH - Manhole
DMR - Discharge Monitoring Report
CB - Catch Basin
HDPE - High Density Polyethylene
SPDES - State Pollution Discharge Elimination System
MNA - Monitored Natural Attenuation
SSDS - Sub-slab Depressurization System
VMP - Vapor Monitoring Points
O&M - Operation and Maintenance
SMP - Site Management Plan

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Table 26. Evaluation of Alternatives, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.

Alternative	Threshold Criteria			Attainment of Goals	Does alternative warrant further consideration?
	Protection of HH&E	Source Control	Attainment of Criteria		
Alternative 1: No Action	No	No	No	No	Yes
Alternative 2: Continued Operation of the GCTS with Upgrades, MNA, SMP, Continued Operation of the SSDS with Active Extraction Wells for VI Mitigation with Upgrades	Yes	Yes	Yes	Yes	Yes

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Table 27. Summary of Alternatives, Corrective Measures Study Report, Solvent Dock Area, Former Lockheed Martin French Road Facility, Utica, New York.

Alternative	Balancing Criteria					Comments
	Long - Term Effectiveness	Reduction in TMV of Wastes	Short - Term Effectiveness	Implementability	Cost	
Alternative 1: No Action	Alternative 1 is not an effective alternative	Alternative 1 does not reduce the TMV of wastes	Alternative 1 is not an effective alternative	Alternative 1 requires no implementation	There are no costs associated with Alternative 1	None
Alternative 2: Continued Operation of the GCTS with Upgrades, MNA, SMP, Continued Operation of the SSDS with Active Extraction Wells for VI Mitigation with Upgrades	Alternative 2 is an effective alternative that should not be affected by any reasonably anticipated man-made or natural changes in site conditions. The upgrade to the system of an additional groundwater recovery trench will increase the overall effectiveness of the GCTS. Both the institutional and engineered components have a long useful life with routine O&M. Residual risk is managed as hydraulic containment prevents infiltration of groundwater into the storm-water pipes. The residual risk remains until groundwater concentrations reach standards. Potential impacts from failure will be minimized through the rapid response procedures to be specified in the O&M manual. Short-term down time should not compromise human health or the environment.	Hydraulic containment is an active treatment alternative. The primary function of hydraulic control is to reduce the potential for groundwater to infiltrate into the storm-water pipes from the Solvent Dock area. Hydraulic containment will reduce the volume of dissolved phase contaminants in groundwater but the reduction may not be sufficient to reach standards or guidance values. Natural attenuation will address long term improvement in groundwater quality. SSDS is an active alternative that reduces the mobility of contaminants by preventing vapor intrusion into the manufacturing building. SSDS does reduce the volume of waste via vapor phase treatment of the soil gas extracted from beneath the building slab. Soil gas contaminants will be captured and treated so that there is no human health risk; vapor concentrations will decrease over time.	Alternative 2 poses minimal risk to the public, workers, and the environment during implementation. Alternative 2 is not effective in the short-term for achieving standards or guidance values. SSDS is an effective alternative with minimal risk to the public, workers, and the environment during implementation. The operating SSDS is effective for eliminating the human health risk. During implementation of Alternative 2, and during the remedial timeframe, there is minimal contaminant-related risk of fire, exposure to hazardous substances, and minimal threats associated with remediation.	Discharge of groundwater will require either a SPDES permit or agreement with the POTW and compliance reporting. Minimal construction is necessary to convert the GCTS IRM into a final alternative. MNA requires minimal administrative activities and requires minimal construction because the majority of the monitoring points are installed. Additional monitoring points will be evaluated in the SMP. SSDS does not require operating permits. Minimal construction is necessary to convert this IRM into a final alternative. Additional extraction points can be readily installed and integrated into the existing system. SSDS requires off-site regeneration or off-site treatment, storage, and disposal of the vapor phase carbon. The time for beneficial results is immediate for mitigation of vapor intrusion into the building. Other than vapor phase carbon, Alternative 2 does not require off-site treatment, storage, or disposal. Alternative 2 does not require special technologies. The time for beneficial results is immediate however time for reduction of contaminants is anticipated to be measured in terms of years.	Capital Cost = $210,000 Annual O&M Cost = $150,000 over the 30 year period Total Present Value Cost (30 years) = $1,800,000	A Site Management Plan will be in place to control activities at the site that could potentially damage or impair performance of the corrective measures alternatives. SMP is a passive alternative that, by management of the existing cap and management of intrusive activities in restricted areas, reduces the mobility of contaminants by reducing or eliminating rain water percolation through impacted soil. During the time when contaminants will remain at concentrations greater than limits or guidance values, SMP is an effective alternative with minimal risk to the public, workers, and the environment during implementation. SMP is not effective for achieving limits or guidance values. SMP must be administered through a deed restriction. SMP requires virtually no construction. SMP may require off-site treatment, storage, or disposal if impacted soil is excavated as part of property improvements or other non-remedial activities. SMP does not require special technologies. The time for beneficial results is immediate upon instituting the SMP.

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Figures

CITY:(MAHWAH) DIV/GROUP:(ENRI-1) DB:(JG LD:(Opt) PIC:(Opt) PM:(CM) TM:(BM) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\BALTIMORE\LMC-MARCH-13-09\FIG 1A SITE-LOCATION.dwg LAYOUT: 1 SAVED: 3/13/2009 11:04 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: -- PLOTSTYLETABLE: ACAD.CTB PLOTTED: 3/13/2009 11:09 AM BY: GOFORTH, JOHN

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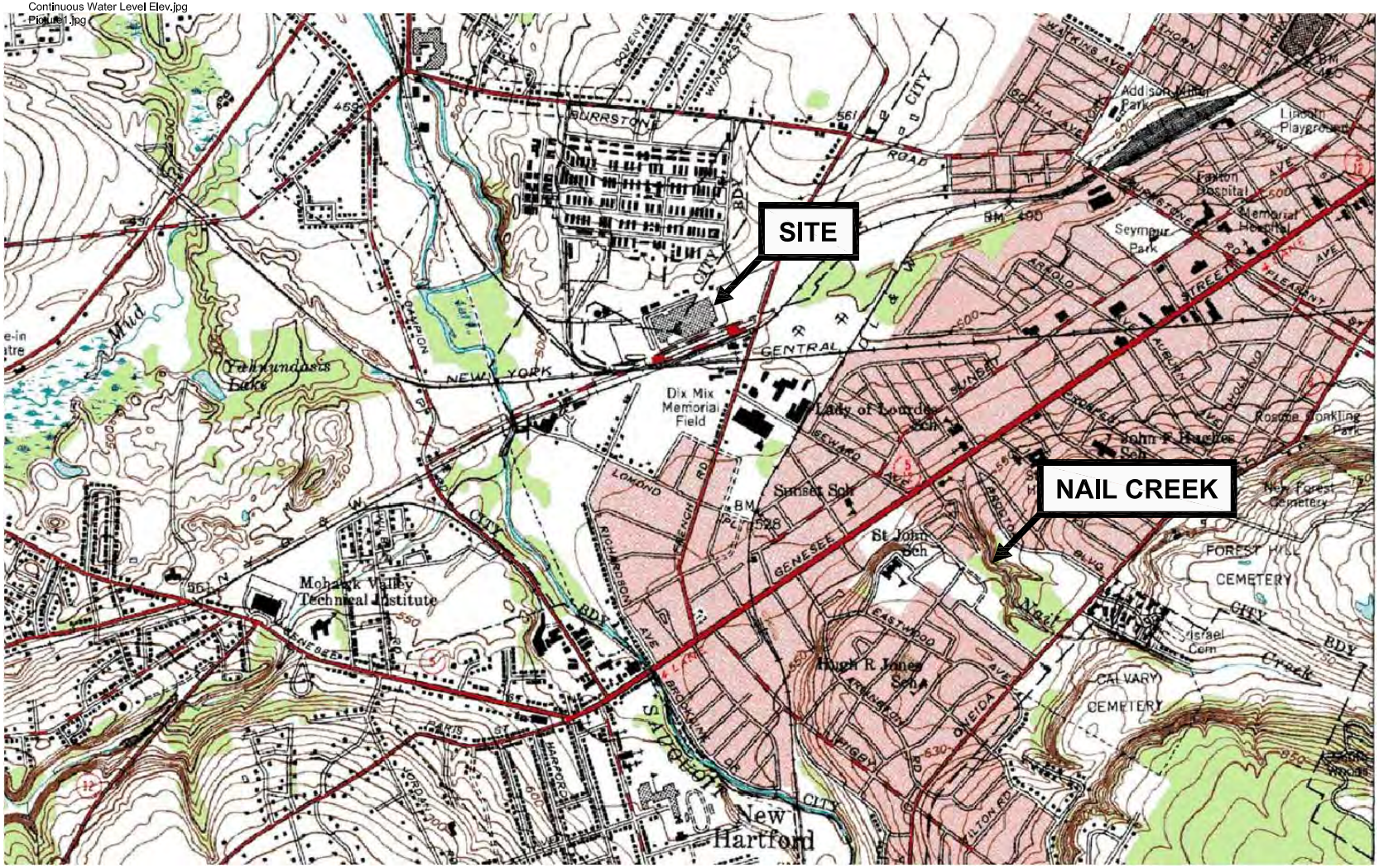

CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

SITE LOCATION MAP

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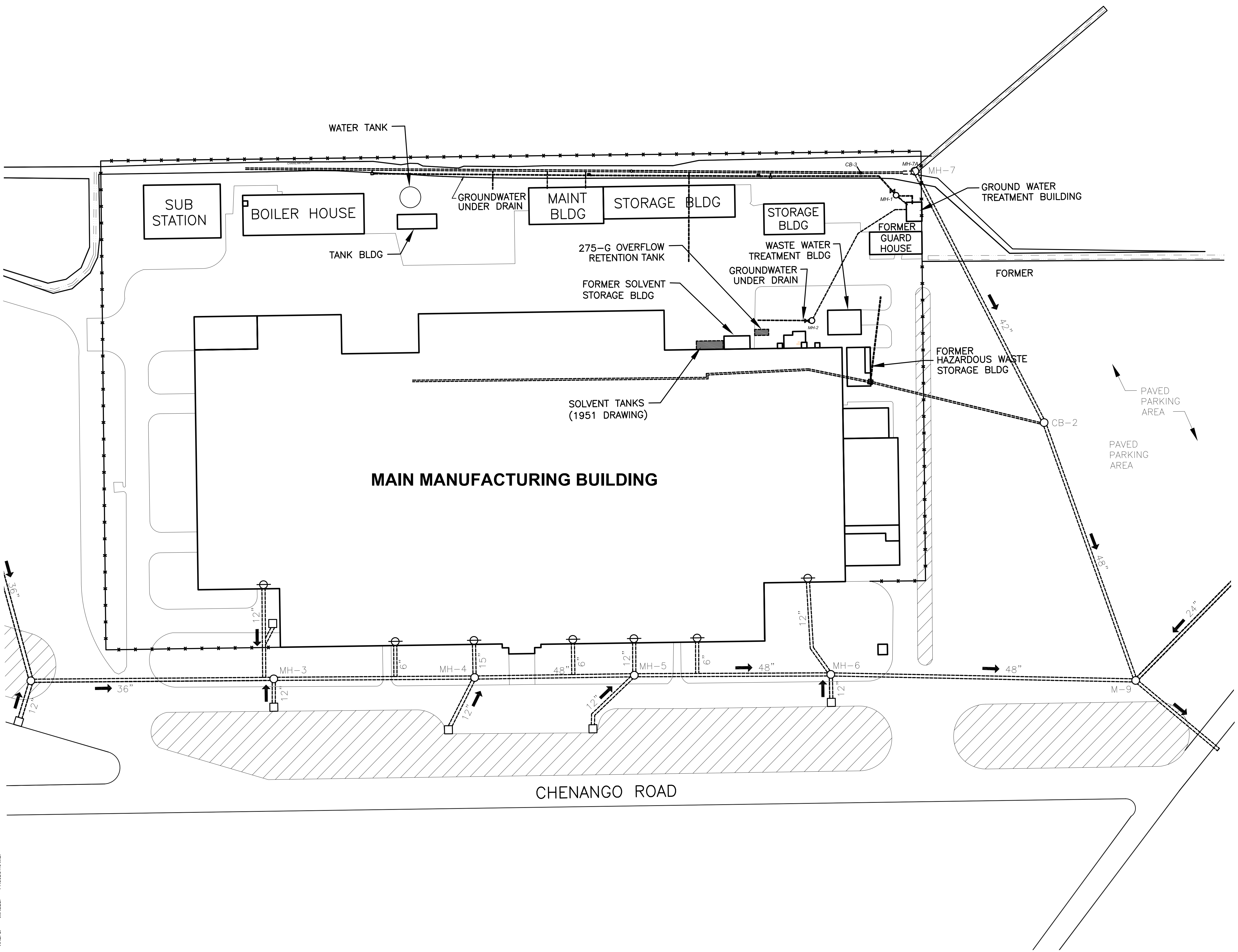
FIGURE
1



WATER TANK
SUB STATION
BOILER HOUSE
GROUNDWATER UNDER DRAIN
MAINT BLDG
STORAGE BLDG
STORAGE BLDG
MH-7
GROUND WATER TREATMENT BUILDING
TANK BLDG
275-G OVERFLOW RETENTION TANK
WASTE WATER TREATMENT BLDG
FORMER GUARD HOUSE
FORMER
GROUNDWATER UNDER DRAIN
FORMER SOLVENT STORAGE BLDG
FORMER HAZARDOUS WASTE STORAGE BLDG
SOLVENT TANKS (1951 DRAWING)
PAVED PARKING AREA
CB-2
PAVED PARKING AREA
MAIN MANUFACTURING BUILDING
MH-3
MH-4
MH-5
MH-6
M-9
CHENANGO ROAD

LEGEND:

STORM SEWER LINE

FENCE LINE

MAN HOLE

CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

FACILITY MAP

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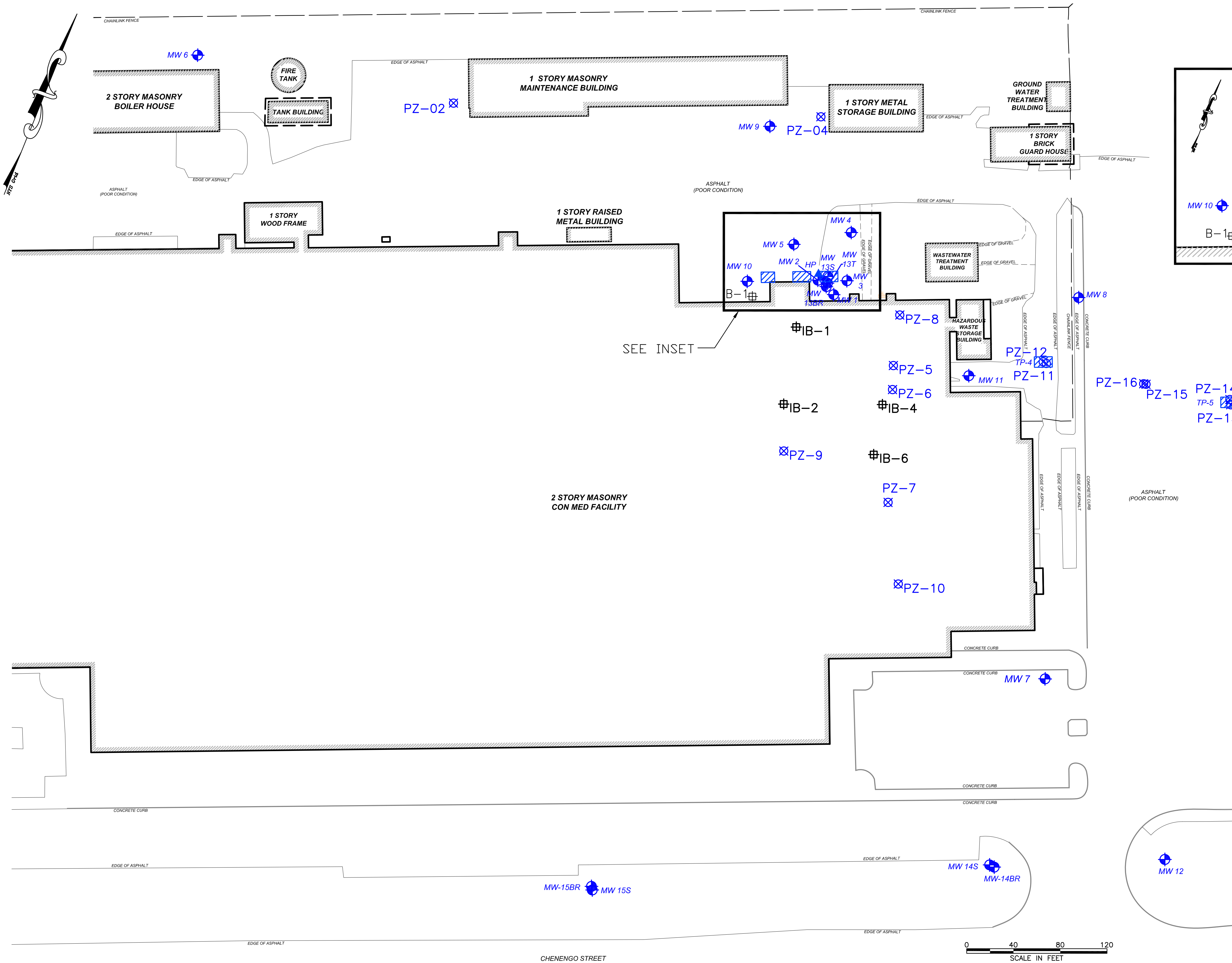
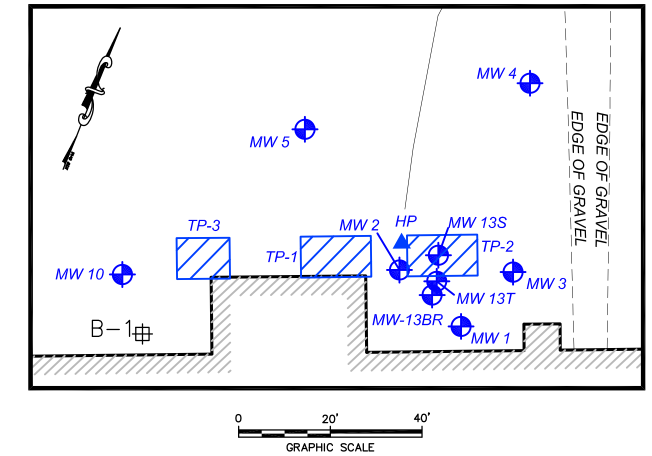
FIGURE
2





LEGEND:

- MW 10 — MONITORING WELL LOCATION
- PZ-9 — PIEZOMETER LOCATION
- HP — APPROXIMATE HYDROPUNCH SAMPLE LOCATION
- TP-1 — APPROXIMATE AREA OF TEST PITS
- IB-1/B-1 — SOIL BORING LOCATION
- EDGE OF GRAVEL
- CHAIN LINK FENCE

NOTE:

LOCATIONS SURVEYED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD83). VERTICAL SURVEY CONTROL IS AN ON-SITE BENCHMARK AT THE SE CORNER OF THE BOILER HOUSE BUILDING IDENTIFIED AS 506.50 FEET.

CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

INVESTIGATION LOCATION PLAN

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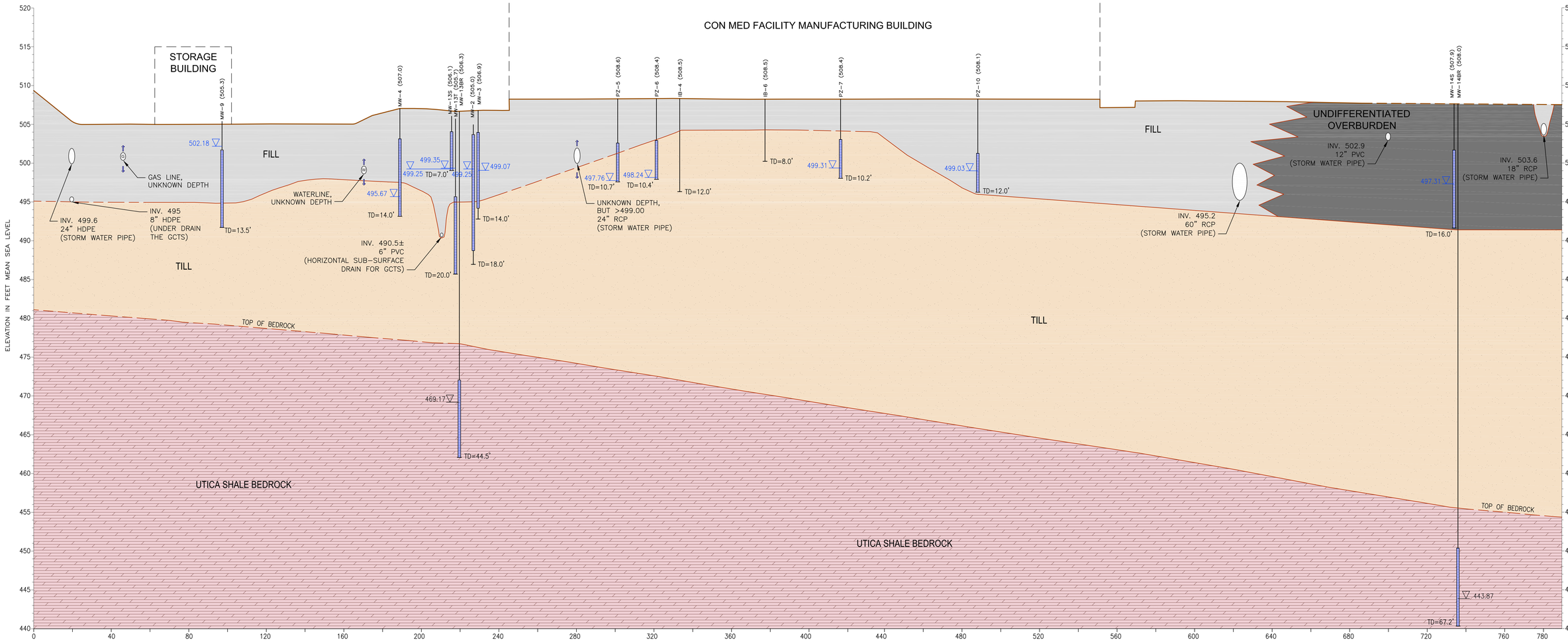
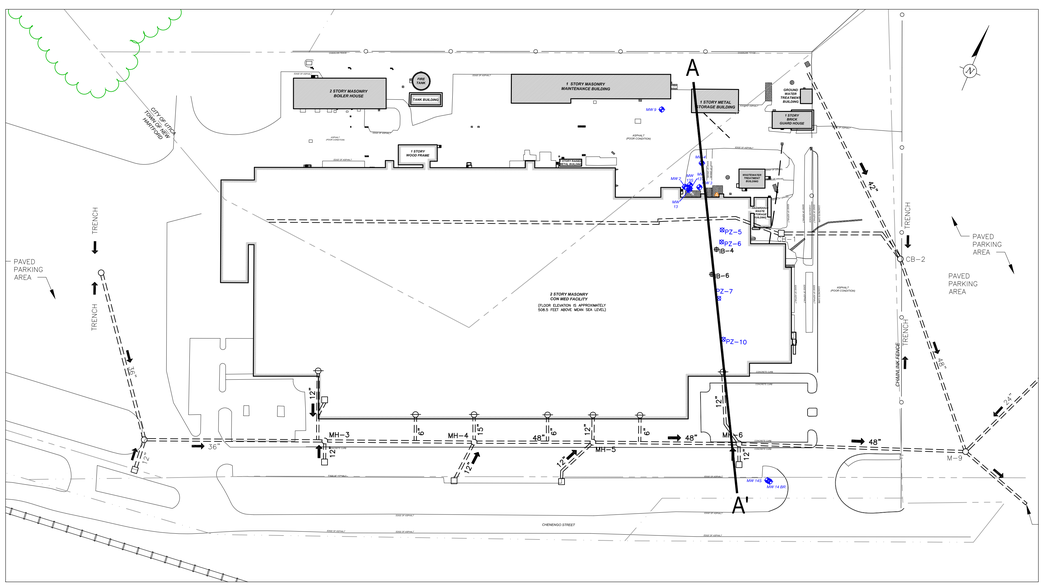
FIGURE
3



CROSS SECTION A-A'

HORIZONTAL SCALE: 1"=20'

VERTICAL SCALE: 1"=5'



KEY PLAN

SCALE: 1"=100'

LEGEND:

- SOIL SAMPLE DESIGNATION
- WELL DESIGNATION
- EXISTING LAND SURFACE
- BOREHOLE/WELL CASING
- GEOLOGIC CONTACT (DASHED WHERE INFERRED)
- SCREENED INTERVAL
- TOTAL DEPTH OF BOREHOLE

MW-4 MONITORING WELL (OVERBURDEN)
MW-13BR MONITORING WELL (BEDROCK)
IB-4 SOIL BORING
PZ-5 PIEZOMETER

- FILL UNIT
- TILL UNIT CONSISTING OF DENSE GRAY-BROWN SILT, FINE SAND, CLAY AND LITTLE GRAVEL
- UNDIFFERENTIATED OVERBURDEN CONSISTING OF SILT, SAND AND GRAVEL
- UTICA SHALE BEDROCK
- GROUNDWATER ELEVATION FOR THE UNCONSOLIDATED UNIT, MEASUREMENT COLLECTED ON AUGUST 12, 2008
- GROUNDWATER ELEVATION FOR THE BEDROCK UNIT, MEASUREMENT COLLECTED ON AUGUST 12, 2008

NOTES:

TILL UNIT NOT OBSERVED AT BORING PZ-10. BORING WAS LOCATED IN THE APPROXIMATE LOCATION OF HISTORIC SOLVENT TANKS THAT WERE REMOVED IN THE 1980'S.

GEOLOGIC LOGS WERE NOT AVAILABLE FOR BORINGS PZ-5, PZ-6 AND PZ-7.

CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

HYDROGEOLOGIC CROSS SECTION A-A'

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FIGURE 4

CHAINLINK FENCE

2 STORY MASONRY BOILER HOUSE

FIRE TANK

TANK BUILDING

EDGE OF ASPHALT

1 STORY MASONRY MAINTENANCE BUILDING

1 STORY METAL STORAGE BUILDING

GROUND WATER TREATMENT BUILDING

1 STORY BRICK GUARD HOUSE

ASPHALT (POOR CONDITION)

1 STORY WOOD FRAME

1 STORY RAISED METAL BUILDING

MW 9 495 (505.3)

MW-5 497 (504.6)

MW-4 498 (507.0)

MW 10 492.8 (504.8)

MW 2 496 (505.0)

MW 3 496 (506.9)

MW 15BR 495 (506.3)

WASTEWATER TREATMENT BUILDING

EDGE OF GRAVEL

HAZARDOUS WASTE STORAGE BUILDING

MW 8 495.8 (505.8)

CONCRETE CURB

(508.4) PZ-8 497.2

IB-1 504.5

(508.4) PZ-5 503

MW 11 496.9 (507.2)

IB-2 504.5

IB-4 504

PZ-9 503.1 (508.6)

IB-6 504

PZ-7 504 (508.5)

(508.4) PZ-10 504

496

500

504

492

488

2 STORY MASONRY CON MED FACILITY

(FLOOR ELEVATION IS APPROXIMATELY 508.5 FEET ABOVE MEAN SEA LEVEL)

(507.5) MW 7 492.5

MW 15BR 487 (507.7)

MW 14BR (508.2) 490

0 40 80 120

SCALE IN FEET

LEGEND:

- MW 10 — MONITORING WELL LOCATION
- PZ-10 — PIEZOMETER LOCATION
- IB-1 — SOIL BORING LOCATION
- 488 — GENERALIZED TILL SURFACE CONTOUR
- 490 — TILL SURFACE ELEVATION
- (507.5) — GROUND SURFACE ELEVATION

NOTE:

1. LOCATIONS SURVEYED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD83). VERTICAL SURVEY CONTROL IS AN ON-SITE BENCHMARK AT THE SE CORNER OF THE BOILER HOUSE BUILDING IDENTIFIED AS 506.50 FEET.
2. ELEVATIONS FOR PZ-5 AND PZ-7 WERE ESTIMATED.

CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

TOP OF TILL CONTOUR MAP

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FIGURE 5

CHAINLINK FENCE

CHAINLINK FENCE

2 STORY MASONRY BOILER HOUSE

FIRE TANK

TANK BUILDING

EDGE OF ASPHALT

1 STORY MASONRY MAINTENANCE BUILDING

1 STORY METAL STORAGE BUILDING

EDGE OF ASPHALT

GROUND WATER TREATMENT BUILDING

1 STORY BRICK GUARD HOUSE

EDGE OF ASPHALT

ASPHALT (POOR CONDITION)

EDGE OF ASPHALT

1 STORY WOOD FRAME

EDGE OF ASPHALT

1 STORY RAISED METAL BUILDING

ASPHALT (POOR CONDITION)

EDGE OF ASPHALT

EDGE OF GRAVEL

EDGE OF GRAVEL

MW 13BR 474.5 (506.5)

WASTEWATER TREATMENT BUILDING

EDGE OF GRAVEL

EDGE OF GRAVEL

HAZARDOUS WASTE STORAGE BUILDING

EDGE OF ASPHALT

EDGE OF ASPHALT

CHAINLINK FENCE

EDGE OF ASPHALT

CONCRETE CURB

470

470

465

465

2 STORY MASONRY CON MED FACILITY

(FLOOR ELEVATION IS APPROXIMATELY 508.5 FEET ABOVE MEAN SEA LEVEL)

ASPHALT (POOR CONDITION)

460

460

CONCRETE CURB

CONCRETE CURB

CONCRETE CURB

CONCRETE CURB

CONCRETE CURB

455

450

450

455

EDGE OF ASPHALT

MW 15BR 449.5 (507.5)

EDGE OF ASPHALT

MW 14BR 456.2 (508.2)

EDGE OF ASPHALT

EDGE OF ASPHALT

NYS Grid

0 40 80 120

SCALE IN FEET

LEGEND:

MW 13 MONITORING WELL LOCATION

450 GENERALIZED BEDROCK SURFACE CONTOUR

449.5 BEDROCK SURFACE ELEVATION

(508.2) GROUND SURFACE ELEVATION

NOTE:

LOCATIONS SURVEYED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD83). VERTICAL SURVEY CONTROL IS AN ON-SITE BENCHMARK AT THE SE CORNER OF THE BOILER HOUSE BUILDING IDENTIFIED AS 506.50 FEET.

CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

TOP OF BEDROCK CONTOUR MAP

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FIGURE 6

CITY:MAHWAH DIV/GROUP:ENVIRONMENTAL DB:J.GONZALEZ LD:J.BONSTEEL PIC:L.MCBURNEY PM:C.MOTTA TM:J.BONSTEEL LYR:(Opt)ON="OFF="REF"
G:\ENVCAD\BALTIMORE\LMC-MARC\H-13-09\FIG 6-TOP OF BEDROCK CONTOUR.dwg LAYOUT: 6 SAVED: 3/13/2009 11:37 AM ACADVER: 17.0S (LMS TECH) PAGESETUP:-- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 3/13/2009 4:23 PM BY: GOFORTH, JOHN
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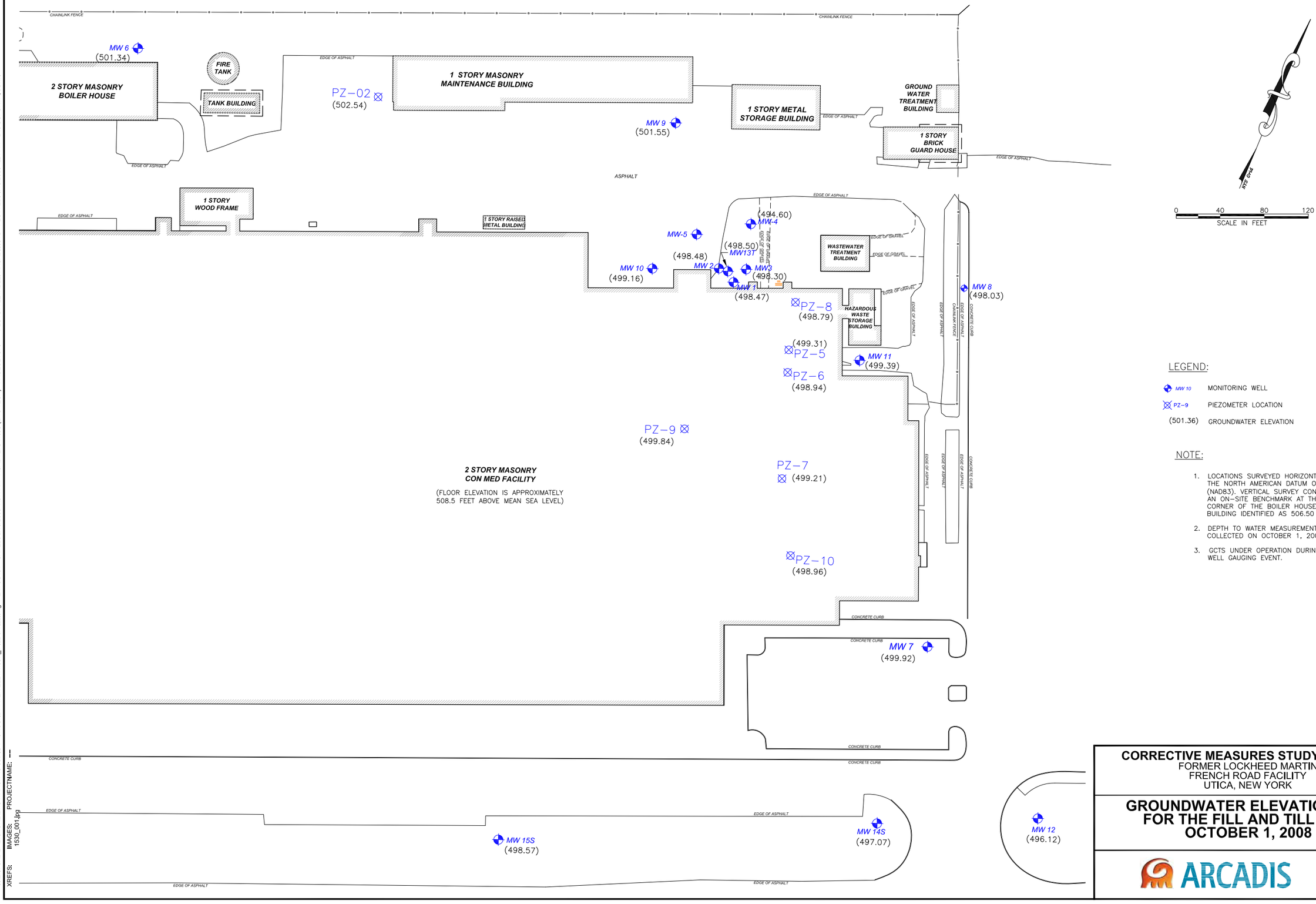

LEGEND:

MW 10	MONITORING WELL
PZ-9	PIEZOMETER LOCATION
(501.36)	GROUNDWATER ELEVATION

NOTE:

1. LOCATIONS SURVEYED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD83). VERTICAL SURVEY CONTROL IS AN ON-SITE BENCHMARK AT THE SE CORNER OF THE BOILER HOUSE BUILDING IDENTIFIED AS 506.50 FEET.
2. DEPTH TO WATER MEASUREMENTS COLLECTED ON OCTOBER 1, 2009.
3. GCTS UNDER OPERATION DURING WELL WELL GAUGING EVENT.

CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

GROUNDWATER ELEVATION MAP FOR THE FILL AND TILL UNIT OCTOBER 1, 2008

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FIGURE
7

CITY:MAHWAH DIV/GROUP:ENVIRONMENTAL DB:J.GONZALEZ LD:J.BONSTEEL PIC:L.MCBURNEY PM:C.MOTTA TM:J.BONSTEEL LYR:(OptION=*OFF=*REF:
G:\ENVCAD\BALTIMORE\LMC-MARCH-13-09\FIG 7- GROUNDWATER ELEVATION_FILL & TILL.dwg LAYOUT: 7 SAVED: 3/13/2009 11:41 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 3/13/2009 4:24 PM BY: GOFORTH, JOHN
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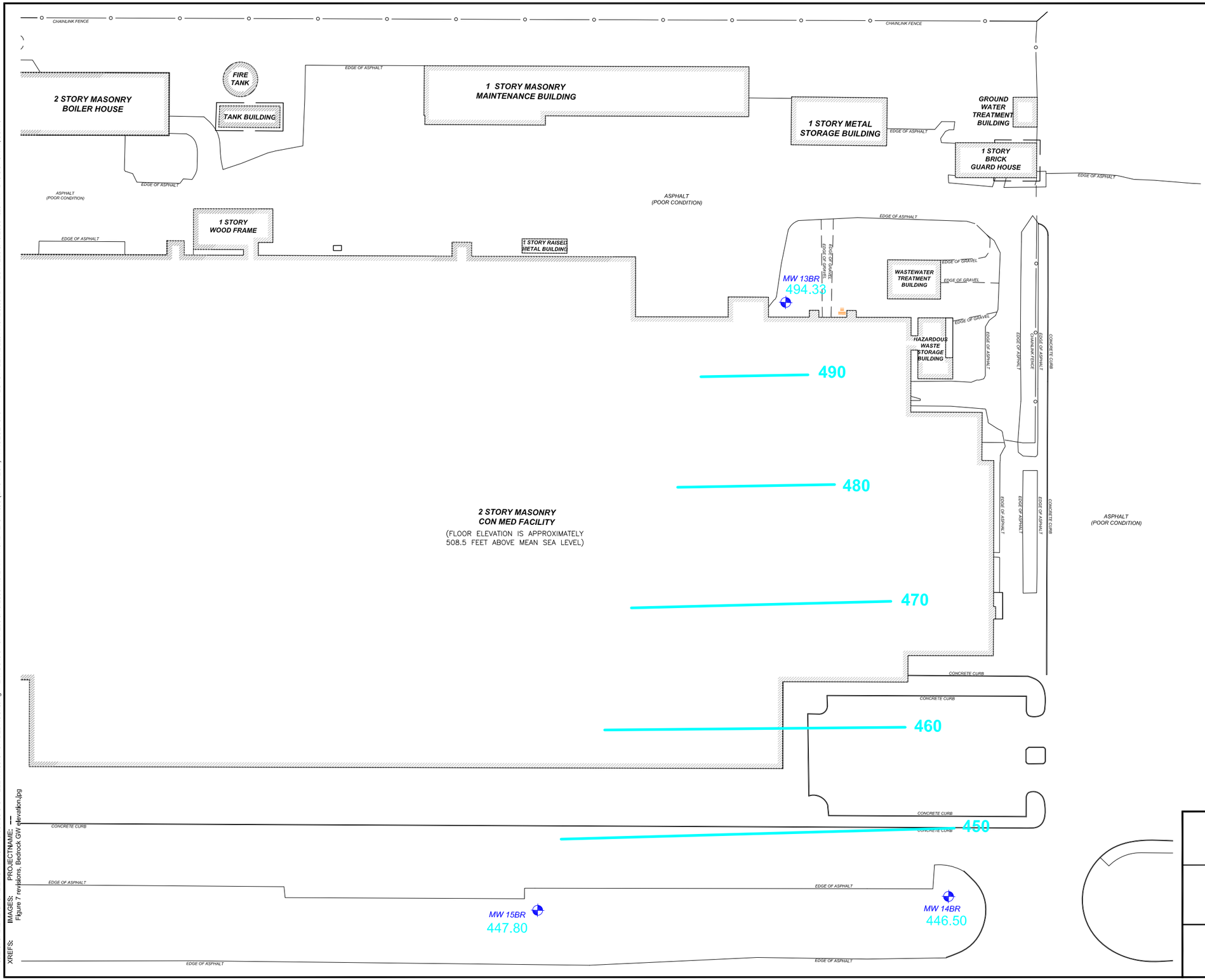

LEGEND:

- MW 13BR — MONITORING WELL LOCATION
- 450 — GENERALIZED BEDROCK GROUNDWATER CONTOUR
- 447.80 — BEDROCK GROUNDWATER ELEVATION

NOTE:

1. LOCATIONS SURVEYED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD83). VERTICAL SURVEY CONTROL IS AN ON-SITE BENCHMARK AT THE SE CORNER OF THE BOILER HOUSE BUILDING IDENTIFIED AS 506.50 FEET.
2. DEPTH TO WATER MEASUREMENTS COLLECTED ON OCTOBER 1, 2009.

CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

GROUNDWATER ELEVATION MAP FOR BEDROCK - OCTOBER 1, 2008

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FIGURE
8

CITY:MAHWAH DIV/GROUP:ENVIRONMENTAL DB:J.GONZALEZ LD:J.BONSTEEL PIC:L.MCBURNEY PM:C.MOTTA TM:J.BONSTEEL LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\BALTIMORE\LMC-MARCH-13-09\FIG 8-GW ELEVATION FOR BEDROCK.dwg LAYOUT: 8 SAVED: 3/13/2009 11:42 AM ACADVER: 17.0S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 3/13/2009 4:28 PM BY: GOFORTH, JOHN
XREFS: IMAGES: PROJECTNAME: ---
Figure 7 revisions, Bedrock GW elevation.jpg

CHAINLINK FENCE

2 STORY MASONRY BOILER HOUSE

FIRE TANK

TANK BUILDING

EDGE OF ASPHALT

1 STORY MASONRY MAINTENANCE BUILDING

1 STORY METAL STORAGE BUILDING

GROUND WATER TREATMENT BUILDING

1 STORY BRICK GUARD HOUSE

ASPHALT (POOR CONDITION)

1 STORY WOOD FRAME

1 STORY RAISED METAL BUILDING

WASTEWATER TREATMENT BUILDING

HAZARDOUS WASTE STORAGE BUILDING

2 STORY MASONRY CON MED FACILITY

CONCRETE CURB

EDGE OF GRAVEL

CHAINLINK FENCE

PZ-02 PZ-04 PZ-8 PZ-5 PZ-6 PZ-9 PZ-7 PZ-10 PZ-12 PZ-11 PZ-16 PZ-15 PZ-14 PZ-13

MW 9 MW 10 MW 5 MW 4 MW 13S MW 13T MW 3 MW 1 MW 13BR MW 2 HP MW 8 MW 11 MW 7 MW 15BR MW 15S MW 14S MW-14BR

MH-7A MH-1 MH-2 CB-3 CB-1 CB-2

CONSTITUENT	MW-13BR 7/30/2008	10/3/2008	2/5/2009
1,1-DICHLOROETHANE	< 5	< 1	<1
1,1-DICHLOROETHENE	< 5	< 1	<1
CHLOROFORM	< 5	< 1	<1
CIS-1,2-DICHLOROETHENE	< 5	< 1	<1
TETRACHLOROETHENE	< 5	< 1	<1
TRICHLOROETHENE	< 5	< 1	<1
VINYL CHLORIDE	< 5	< 1	<1

CONSTITUENT	MW-4 7/30/2008	10/2/2008
1,1-DICHLOROETHANE	1.1 J	1.9
1,1-DICHLOROETHENE	< 5	< 1
CHLOROFORM	< 5	< 1
CIS-1,2-DICHLOROETHENE	4.6 J	**7.1**
TETRACHLOROETHENE	< 5	< 1
TRICHLOROETHENE	< 5	< 1
VINYL CHLORIDE	2.0 J	**3.2**

CONSTITUENT	MW-13T 7/30/2008	10/3/2008
1,1-DICHLOROETHANE	**6.2**	< 1
1,1-DICHLOROETHENE	< 5	< 1
CHLOROFORM	< 5	< 1
CIS-1,2-DICHLOROETHENE	2.5 J	< 1
TETRACHLOROETHENE	< 5	< 1
TRICHLOROETHENE	< 5	< 1
VINYL CHLORIDE	**26**	< 1

CONSTITUENT	MW-3 7/30/2008	10/2/2008
1,1-DICHLOROETHANE	**5.2**	5.0
1,1-DICHLOROETHENE	< 5	< 1
CHLOROFORM	< 5	< 1
CIS-1,2-DICHLOROETHENE	**53**	**86**
TETRACHLOROETHENE	**40**	**12**
TRICHLOROETHENE	**55**	**29**
VINYL CHLORIDE	**4.8 J**	**4.0**

CONSTITUENT	MW-9 7/30/2008	10/2/2008
1,1-DICHLOROETHANE	0.88 J	< 1
1,1-DICHLOROETHENE	< 5	< 1
CHLOROFORM	< 5	< 1
CIS-1,2-DICHLOROETHENE	2.5 J	< 1
TETRACHLOROETHENE	< 5	< 1
TRICHLOROETHENE	< 5	< 1
VINYL CHLORIDE	**7.8**	< 1

CONSTITUENT	MW-13S 7/30/2008
1,1-DICHLOROETHANE	4.6 J
1,1-DICHLOROETHENE	< 5
CHLOROFORM	< 5
CIS-1,2-DICHLOROETHENE	< 5
TETRACHLOROETHENE	< 5
TRICHLOROETHENE	0.53 J
VINYL CHLORIDE	< 5

CONSTITUENT	PZ-8 8/6/2008	10/2/2008
1,1-DICHLOROETHANE	< 20	< 4
1,1-DICHLOROETHENE	< 20	< 4
CHLOROFORM	**20**	**8.2**
CIS-1,2-DICHLOROETHENE	1.8 J	5.0
TETRACHLOROETHENE	**14 J**	**41**
TRICHLOROETHENE	4.1 J	**9.4**
VINYL CHLORIDE	< 20	< 4

CONSTITUENT	PZ-2 7/29/2008	10/2/2008
1,1-DICHLOROETHANE	< 5	< 1
1,1-DICHLOROETHENE	< 5	< 1
CHLOROFORM	< 5	< 1
CIS-1,2-DICHLOROETHENE	< 5	< 1
TETRACHLOROETHENE	0.43 J	0.52 J
TRICHLOROETHENE	< 5	< 1
VINYL CHLORIDE	< 5	< 1

CONSTITUENT	PZ-4 7/30/2008
1,1-DICHLOROETHANE	0.90 J
1,1-DICHLOROETHENE	< 5
CHLOROFORM	< 5
CIS-1,2-DICHLOROETHENE	2.7 J
TETRACHLOROETHENE	0.80 J
TRICHLOROETHENE	< 5
VINYL CHLORIDE	< 5

CONSTITUENT	PZ-5 8/6/2008	10/2/2008
1,1-DICHLOROETHANE	< 20	< 4
1,1-DICHLOROETHENE	< 20	< 4
CHLOROFORM	< 20	< 4
CIS-1,2-DICHLOROETHENE	**26**	**87**
TETRACHLOROETHENE	**8.6 J**	4.2
TRICHLOROETHENE	**9.5 J**	**37**
VINYL CHLORIDE	**5.9 J**	**37**

CONSTITUENT	MW-5 7/30/2008	10/3/2008
1,1-DICHLOROETHANE	< 5	< 1
1,1-DICHLOROETHENE	< 5	< 1
CHLOROFORM	< 5	< 1
CIS-1,2-DICHLOROETHENE	< 5	< 1
TETRACHLOROETHENE	< 5	< 1
TRICHLOROETHENE	< 5	< 1
VINYL CHLORIDE	< 5	< 1

CONSTITUENT	MW-11 7/29/2008	10/1/2008
1,1-DICHLOROETHANE	< 5	< 1
1,1-DICHLOROETHENE	< 5	< 1
CHLOROFORM	< 5	< 1
CIS-1,2-DICHLOROETHENE	< 5	< 1
TETRACHLOROETHENE	< 5	< 1
TRICHLOROETHENE	< 5	< 1
VINYL CHLORIDE	< 5	< 1

CONSTITUENT	PZ-13 11/4/2008	12/11/2008
1,1-DICHLOROETHANE	<1	<1
1,1-DICHLOROETHENE	<1	<1
CHLOROFORM	<1	<1
CIS-1,2-DICHLOROETHENE	4.1	<1
TETRACHLOROETHENE	**5.7**	1.9
TRICHLOROETHENE	2.6	0.53
VINYL CHLORIDE	<1	<1

CONSTITUENT	MW-10 7/30/2008	10/3/2008
1,1-DICHLOROETHANE	6.9	2.0
1,1-DICHLOROETHENE	< 5	< 1
CHLOROFORM	< 5	< 1
CIS-1,2-DICHLOROETHENE	**41**	**25**
TETRACHLOROETHENE	< 5	< 1
TRICHLOROETHENE	3.9 J	1.7
VINYL CHLORIDE	**38**	**22**

CONSTITUENT	HP (15) [15-feet bgs] 5/22/2008	HP (20) [20-feet bgs] 5/23/2008	HP (25) [25-feet bgs] 5/23/2008	HP (30) [30-feet bgs] 5/23/2008
1,1-DICHLOROETHANE	< 5	4.7 J	< 5	< 5
1,1-DICHLOROETHENE	**0.90 J**	< 5	< 5	< 5
CHLOROFORM	< 5	< 5	< 5	< 5
CIS-1,2-DICHLOROTHENE	< 5	**17**	1.6 J	< 5
TETRACHLOROETHENE	**9.2**	4.9 J	< 5	< 5
TRICHLOROETHENE	**28**	**16**	< 5	< 5
VINYL CHLORIDE	**20**	**14**	1.8 J	< 5

CONSTITUENT	MW-2 7/30/2008	10/2/2008
1,1-DICHLOROETHANE	**7.0**	**5.3**
1,1-DICHLOROETHENE	< 5	< 1
CHLOROFORM	< 5	< 1
CIS-1,2-DICHLOROETHENE	**12**	**11**
TETRACHLOROETHENE	< 5	< 1
TRICHLOROETHENE	0.62 J	< 1
VINYL CHLORIDE	**36**	**28**

CONSTITUENT	MW-1 7/30/2008	10/3/2008
1,1-DICHLOROETHANE	**8.3**	**6.0**
1,1-DICHLOROETHENE	0.57 J	< 1
CHLOROFORM	< 5	< 1
CIS-1,2-DICHLOROETHENE	**54**	**43**
TETRACHLOROETHENE	**60**	**18**
TRICHLOROETHENE	**18**	**7.6**
VINYL CHLORIDE	**4.7 J**	**3.9**

CONSTITUENT	PZ-9 8/6/2008	10/2/2008	2/5/2009
1,1-DICHLOROETHANE	3.0 J	1.9	1.3
1,1-DICHLOROETHENE	< 5	< 1	<1
CHLOROFORM	0.40 J	< 1	<1
CIS-1,2-DICHLOROETHENE	< 5	< 1	<1
TETRACHLOROETHENE	< 5	< 1	<1
TRICHLOROETHENE	< 5	< 1	0.27 J
VINYL CHLORIDE	< 5	< 1	<1

CONSTITUENT	PZ-6 8/6/2008	10/2/2008
1,1-DICHLOROETHANE	< 20	< 4
1,1-DICHLOROETHENE	< 20	< 4
CHLOROFORM	< 20	< 4
CIS-1,2-DICHLOROETHENE	**19 J**	**62**
TETRACHLOROETHENE	**14 J**	< 4
TRICHLOROETHENE	**19 J**	**14**
VINYL CHLORIDE	**9.6 J**	**25**

CONSTITUENT	PZ-7 8/6/2008	10/2/2008
1,1-DICHLOROETHANE	0.91 J	< 1
1,1-DICHLOROETHENE	< 5	< 1
CHLOROFORM	< 5	< 1
CIS-1,2-DICHLOROETHENE	< 5	< 1
TETRACHLOROETHENE	< 5	< 1
TRICHLOROETHENE	0.94 J	0.54 J
VINYL CHLORIDE	< 5	< 1

CONSTITUENT	PZ-10 8/6/2008	10/2/2008
1,1-DICHLOROETHANE	< 5	< 1
1,1-DICHLOROETHENE	< 5	< 1
CHLOROFORM	< 5	< 1
CIS-1,2-DICHLOROETHENE	< 5	< 1
TETRACHLOROETHENE	< 5	< 1
TRICHLOROETHENE	< 5	0.54 J
VINYL CHLORIDE	< 5	< 1

CONSTITUENT	PZ-12 12/11/2008
1,1-DICHLOROETHANE	<1
1,1-DICHLOROETHENE	<1
CHLOROFORM	<1
CIS-1,2-DICHLOROETHENE	**10**
TETRACHLOROETHENE	**45**
TRICHLOROETHENE	**18**
VINYL CHLORIDE	<1

CONSTITUENT	PZ-16 12/11/2008
1,1-DICHLOROETHANE	<1
1,1-DICHLOROETHENE	<1
CHLOROFORM	0.78
CIS-1,2-DICHLOROETHENE	**5.5**
TETRACHLOROETHENE	**8.6**
TRICHLOROETHENE	**10**
VINYL CHLORIDE	<1

CONSTITUENT	PZ-14 12/11/2008
1,1-DICHLOROETHANE	<1
1,1-DICHLOROETHENE	<1
CHLOROFORM	<1
CIS-1,2-DICHLOROETHENE	2.5
TETRACHLOROETHENE	1.8
TRICHLOROETHENE	1.2
VINYL CHLORIDE	<1

CONSTITUENT	PZ-15 12/11/2008
1,1-DICHLOROETHANE	<1
1,1-DICHLOROETHENE	<1
CHLOROFORM	<1
CIS-1,2-DICHLOROETHENE	**9.6**
TETRACHLOROETHENE	**6.7**
TRICHLOROETHENE	**6.5**
VINYL CHLORIDE	<1

CONSTITUENT	MW-7 7/29/2008	10/1/2008
1,1-DICHLOROETHANE	< 5	< 1
1,1-DICHLOROETHENE	< 5	< 1
CHLOROFORM	< 5	< 1
CIS-1,2-DICHLOROETHENE	< 5	< 1
TETRACHLOROETHENE	< 5	< 1
TRICHLOROETHENE	0.68 J	0.98 J
VINYL CHLORIDE	< 5	< 1

CONSTITUENT	PZ-11 11/4/2008	12/11/2008
1,1-DICHLOROETHANE	<1	<2
1,1-DICHLOROETHENE	<1	<2
CHLOROFORM	0.83 J	<2
CIS-1,2-DICHLOROETHENE	**8.8**	2.7
TETRACHLOROETHENE	**95**	**15**
TRICHLOROETHENE	**33**	4.5
VINYL CHLORIDE	<1	<2

CONSTITUENT	MW-15BR 7/29/2008	10/1/2008	2/5/2009
1,1-DICHLOROETHANE	< 5	< 1	<1
1,1-DICHLOROETHENE	< 5	< 1	<1
CHLOROFORM	**11**	5.4	1.1
CIS-1,2-DICHLOROETHENE	< 5	< 1	<1
TETRACHLOROETHENE	< 5	< 1	<1
TRICHLOROETHENE	< 5	< 1	<1
VINYL CHLORIDE	< 5	< 1	<1

CONSTITUENT	MW-15S 7/29/2008	10/3/2008
1,1-DICHLOROETHANE	< 5	< 1
1,1-DICHLOROETHENE	< 5	< 1
CHLOROFORM	4.3 J	4.5
CIS-1,2-DICHLOROETHENE	< 5	< 1
TETRACHLOROETHENE	< 5	< 1
TRICHLOROETHENE	< 5	< 1
VINYL CHLORIDE	< 5	< 1

CONSTITUENT	MW-14S 7/29/2008	10/1/2008
1,1-DICHLOROETHANE	< 5	< 1
1,1-DICHLOROETHENE	< 5	< 1
CHLOROFORM	2.2 J	2.1
CIS-1,2-DICHLOROETHENE	< 5	< 1
TETRACHLOROETHENE	< 5	< 1
TRICHLOROETHENE	< 5	< 1
VINYL CHLORIDE	< 5	< 1

CONSTITUENT	MW-14BR 7/29/2008	10/1/2008	2/5/2009
1,1-DICHLOROETHANE	< 40	< 1	<1
1,1-DICHLOROETHENE	< 40	< 1	<1
CHLOROFORM	**14 J**	**7.5**	3.3
CIS-1,2-DICHLOROETHENE	< 40	< 1	<1
TETRACHLOROETHENE	< 40	< 1	<1
TRICHLOROETHENE	< 40	< 1	<1
VINYL CHLORIDE	< 40	< 1	<1

NYS GRID

0 40 80 120

SCALE IN FEET

LEGEND:

- MW 10 — MONITORING WELL LOCATION
- PZ-9 — PIEZOMETER LOCATION
- HP — APPROXIMATE HYDROPUNCH SAMPLE LOCATION
- SAMPLE RESULTS EXCEED STANDARDS

CONSTITUENT	NYSDEC GW STANDARDS
1,1-DICHLOROETHANE	5
1,1-DICHLOROETHENE	0.7
CHLOROFORM	7
CIS-1,2-DICHLOROETHENE	5
TETRACHLOROETHENE	5
TRICHLOROETHENE	5
VINYL CHLORIDE	2

NOTES:

1. CONCENTRATIONS IN MICROGRAMS PER LITER (ug/L).
2. DATA COMPARED TO TOGS 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES.
3. EXCEEDENCES OF STANDARDS AND GUIDANCE VALUES NOTED IN BOLD.
4. J FLAG IDENTIFIES ESTIMATED CONCENTRATION.
5. LOCATIONS SURVEYED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD83). VERTICAL SURVEY CONTROL IS AN ON-SITE BENCHMARK AT THE SE CORNER OF THE BOILER HOUSE BUILDING IDENTIFIED AS 506.50 FEET.
6. SEE FIGURE 11 FOR WATER QUALITY RESULTS FOR MH-1, MH-2, CB-1, CB-2, CB-3 AND MH-7A.

CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

AOC 1 - CVOC GROUNDWATER QUALITY

ARCADIS

FIGURE 9

CHAINLINK FENCE

2 STORY MASONRY BOILER HOUSE

FIRE TANK

TANK BUILDING

EDGE OF ASPHALT

ASPHALT (POOR CONDITION)

1 STORY WOOD FRAME

1 STORY MASONRY MAINTENANCE BUILDING

ASPHALT (POOR CONDITION)

1 STORY RAISED METAL BUILDING

1 STORY METAL STORAGE BUILDING

EDGE OF ASPHALT

CB-3

MH-7A

MH-1

GROUND WATER TREATMENT BUILDING

1 STORY BRICK GUARD HOUSE

EDGE OF GRAVEL

WASTEWATER TREATMENT BUILDING

MH-2

HAZARDOUS WASTE STORAGE BUILDING

EDGE OF ASPHALT

CHAINLINK FENCE

CONCRETE CURB

CB-1

CB-2

2 STORY MASONRY CON MED FACILITY

CONCRETE CURB

MW 7

EDGE OF ASPHALT

CHAINLINK FENCE

PZ-02
PZ-04
PZ-8
PZ-5
PZ-6
PZ-9
PZ-7
PZ-10
PZ-12
PZ-11
PZ-16
PZ-15
PZ-14
PZ-13

MW 9
MW-5
MW 10
HP MW 2
MW 13S
MW 13T
MW 3
MW 13BR
MW 1
MW 11
MW 14S
MW 14BR
MW 15BR
MW 15S
MW-4

CONSTITUENT	MW-9 7/30/2008	MW-9 10/2/2008
BENZENE	< 5	< 1
TOLUENE	< 5	< 1
ETHYLBENZENE	< 5	< 1
XYLENE (TOTAL)	< 15	< 3

CONSTITUENT	MW-4 7/30/2008	MW-4 10/2/2008
BENZENE	< 5	< 1
TOLUENE	< 5	< 1
ETHYLBENZENE	< 5	< 1
XYLENE (TOTAL)	< 15	< 3

CONSTITUENT	MW-13T 7/30/2008	MW-13T 10/3/2008
BENZENE	< 5	< 1
ETHYLBENZENE	< 5	< 1
TOLUENE	< 5	< 1
XYLENE (TOTAL)	< 15	< 3

CONSTITUENT	MW-3 7/30/2008	MW-3 10/2/2008
BENZENE	< 5	< 1
TOLUENE	< 5	< 1
ETHYLBENZENE	< 5	< 1
XYLENE (TOTAL)	< 15	< 3

CONSTITUENT	PZ-2 7/29/2008	PZ-2 10/2/2008
BENZENE	< 5	< 1
TOLUENE	< 5	< 1
ETHYLBENZENE	< 5	< 1
XYLENE (TOTAL)	< 15	< 3

CONSTITUENT	PZ-4 7/30/2008
BENZENE	< 5
TOLUENE	< 5
ETHYLBENZENE	< 5
XYLENE (TOTAL)	< 15

CONSTITUENT	MW-13S 7/30/2008
BENZENE	< 5
TOLUENE	< 5
ETHYLBENZENE	< 5
XYLENE (TOTAL)	< 15

CONSTITUENT	PZ-8 8/6/2008	PZ-8 10/2/2008
BENZENE	< 20	< 4
TOLUENE	< 20	< 4
ETHYLBENZENE	< 20	< 4
XYLENE (TOTAL)	< 60	< 12

CONSTITUENT	MW-5 7/30/2008	MW-5 10/3/2008
BENZENE	< 5	< 1
TOLUENE	< 5	< 1
ETHYLBENZENE	< 5	< 1
XYLENE (TOTAL)	< 15	< 3

CONSTITUENT	PZ-5 8/6/2008	PZ-5 10/2/2008
BENZENE	< 20	< 4
TOLUENE	< 20	< 4
ETHYLBENZENE	**10 J**	1.7 J
XYLENE (TOTAL)	**34 J**	3.9 J

CONSTITUENT	PZ-12 12/11/2008
BENZENE	<1
TOLUENE	<1
ETHYLBENZENE	<1
XYLENES (TOTAL)	<3

CONSTITUENT	PZ-16 12/11/2008
BENZENE	<1
TOLUENE	<1
ETHYLBENZENE	<1
XYLENES (TOTAL)	<3

CONSTITUENT	PZ-14 12/11/2008
BENZENE	<1
TOLUENE	<1
ETHYLBENZENE	<1
XYLENES (TOTAL)	<3

CONSTITUENT	MW-10 7/30/2008	MW-10 10/3/2008
BENZENE	< 5	< 1
TOLUENE	< 5	< 1
ETHYLBENZENE	< 5	< 1
XYLENE (TOTAL)	< 5	< 3

CONSTITUENT	HP (15) [15-feet bgs] 5/22/2008	HP (20) [20-feet bgs] 5/23/2008	HP (25) [25-feet bgs] 5/23/2008	HP (30) [30-feet bgs] 5/23/2008
BENZENE	< 5	< 5	< 5	< 5
TOLUENE	< 5	< 6	< 5	< 5
ETHYLBENZENE	< 5	< 5	< 5	< 5
XYLENE (TOTAL)	< 15	< 15	< 15	< 15

CONSTITUENT	PZ-13 11/4/2008	PZ-13 12/11/2008
BENZENE	<1	<1
TOLUENE	<1	<1
ETHYLBENZENE	<1	<1
XYLENES (TOTAL)	<3	<3

CONSTITUENT	MW-2 7/30/2008	MW-2 10/2/2008
BENZENE	< 5	< 1
TOLUENE	< 5	< 1
ETHYLBENZENE	< 5	< 1
XYLENE (TOTAL)	< 15	< 3

CONSTITUENT	PZ-15 12/11/2008
BENZENE	<1
TOLUENE	<1
ETHYLBENZENE	<1
XYLENES (TOTAL)	<3

CONSTITUENT	MW-13S 7/30/2008
BENZENE	< 5
TOLUENE	< 5
ETHYLBENZENE	< 5
XYLENE (TOTAL)	< 15

CONSTITUENT	PZ-11 11/4/2008	PZ-11 12/11/2008
BENZENE	<1	<2
TOLUENE	<1	<2
ETHYLBENZENE	<1	<2
XYLENES (TOTAL)	<3	<6

CONSTITUENT	MW-13BR 7/30/2008	MW-13BR 10/3/2008	MW-13BR 2/5/2009
BENZENE	< 5	< 1	<1
TOLUENE	< 5	< 1	<1
ETHYLBENZENE	< 5	< 1	<1
XYLENE (TOTAL)	< 15	< 3	<3

CONSTITUENT	MW-1 7/30/2008	MW-1 10/3/2008
BENZENE	< 5	< 1
TOLUENE	< 5	< 1
ETHYLBENZENE	< 5	< 1
XYLENE (TOTAL)	< 15	< 3

CONSTITUENT	MW-11 7/29/2008	MW-11 10/1/2008
BENZENE	< 5	< 1
TOLUENE	< 5	< 1
ETHYLBENZENE	< 5	< 1
XYLENE (TOTAL)	< 15	< 3

CONSTITUENT	PZ-9 8/6/2008	PZ-9 10/2/2008	PZ-9 2/5/2008
BENZENE	< 5	< 1	<1
TOLUENE	< 5	< 1	<1
ETHYLBENZENE	< 5	< 1	<1
XYLENE (TOTAL)	< 15	< 3	<3

CONSTITUENT	PZ-6 8/6/2008	PZ-6 10/2/2008
BENZENE	< 20	< 4
TOLUENE	< 20	< 4
ETHYLBENZENE	< 20	< 4
XYLENE (TOTAL)	< 20	< 12

CONSTITUENT	PZ-7 8/6/2008	PZ-7 10/2/2008
BENZENE	< 5	< 1
TOLUENE	< 5	< 1
ETHYLBENZENE	< 5	< 1
XYLENE (TOTAL)	< 15	< 3

CONSTITUENT	PZ-10 8/6/2008	PZ-10 10/2/2008
BENZENE	< 5	< 1
TOLUENE	< 5	< 1
ETHYLBENZENE	< 5	< 1
XYLENE (TOTAL)	< 15	< 3

CONSTITUENT	MW-7 7/29/2008	MW-7 10/1/2008
BENZENE	< 5	< 1
TOLUENE	< 5	< 1
ETHYLBENZENE	< 5	< 1
XYLENE (TOTAL)	< 15	< 3

CONSTITUENT	MW-15BR 7/29/2008	MW-15BR 10/1/2008	MW-15BR 2/5/2009
BENZENE	< 5	< 1	<1
TOLUENE	< 5	< 1	<1
ETHYLBENZENE	< 5	< 1	<1
XYLENE (TOTAL)	< 15	< 3	<3

CONSTITUENT	MW-15S 7/29/2008	MW-15S 10/3/2008
BENZENE	< 5	< 1
TOLUENE	< 5	< 1
ETHYLBENZENE	< 5	< 1
XYLENE (TOTAL)	< 15	< 3

CONSTITUENT	MW-14S 7/29/2008	MW-14S 10/1/2008
BENZENE	< 5	< 1
TOLUENE	< 5	< 1
ETHYLBENZENE	< 5	< 1
XYLENE (TOTAL)	< 15	< 3

CONSTITUENT	MW-14BR 7/29/2008	MW-14BR 10/1/2008	MW-14BR 2/5/2009
BENZENE	< 40	< 1	<1
TOLUENE	< 40	< 1	<1
ETHYLBENZENE	< 40	< 1	<1
XYLENE (TOTAL)	< 120	< 3	<3

NYS GRID

0 40 80 120
SCALE IN FEET

LEGEND:

- MW 10 — MONITORING WELL LOCATION
- PZ-9 — PIEZOMETER LOCATION
- HP — APPROXIMATE HYDROPUNCH SAMPLE LOCATION
- SAMPLE RESULTS EXCEED STANDARDS

CONSTITUENT	NYSDEC GW STANDARDS
BENZENE	1
TOLUENE	5
ETHYLBENZENE	5
XYLENE (TOTAL)	5

NOTES:

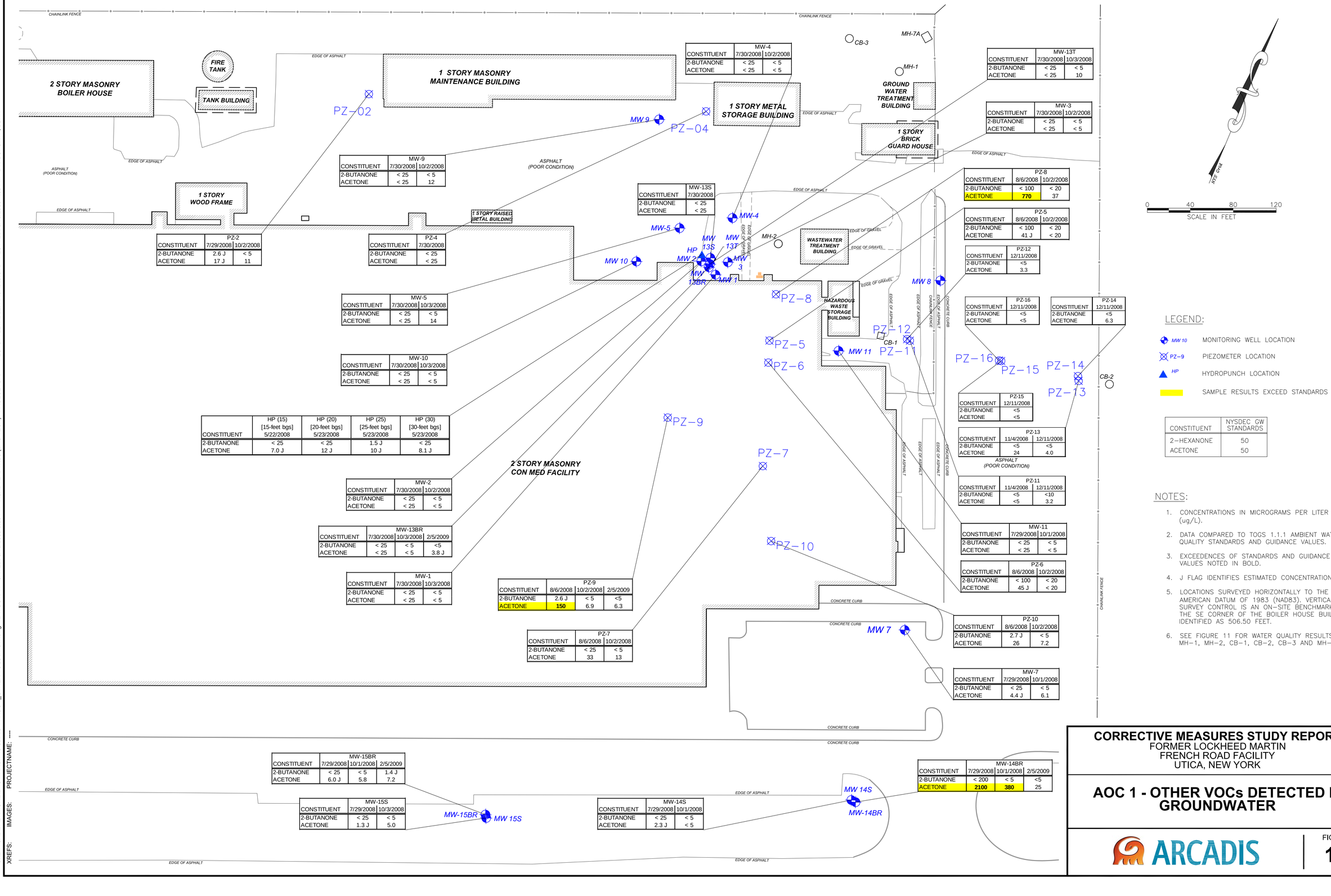
1. CONCENTRATIONS IN MICROGRAMS PER LITER (ug/L).
2. DATA COMPARED TO TOGS 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES.
3. EXCEEDENCES OF STANDARDS AND GUIDANCE VALUES NOTED IN BOLD.
4. J FLAG IDENTIFIES ESTIMATED CONCENTRATION.
5. LOCATIONS SURVEYED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD83). VERTICAL SURVEY CONTROL IS AN ON-SITE BENCHMARK AT THE SE CORNER OF THE BOILER HOUSE BUILDING IDENTIFIED AS 506.50 FEET.
6. SEE FIGURE 11 FOR WATER QUALITY RESULTS FOR MH-1, MH-2, CB-1, CB-2, CB-3 AND MH-7A.

CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

AOC 1 - BTEX GROUNDWATER QUALITY

ARCADIS

FIGURE 10



CONSTITUENT	MW-4 7/30/2008	MW-4 10/2/2008
2-BUTANONE	< 25	< 5
ACETONE	< 25	< 5

CONSTITUENT	MW-13T 7/30/2008	MW-13T 10/3/2008
2-BUTANONE	< 25	< 5
ACETONE	< 25	10

CONSTITUENT	MW-3 7/30/2008	MW-3 10/2/2008
2-BUTANONE	< 25	< 5
ACETONE	< 25	< 5

CONSTITUENT	MW-9 7/30/2008	MW-9 10/2/2008
2-BUTANONE	< 25	< 5
ACETONE	< 25	12

CONSTITUENT	MW-13S 7/30/2008
2-BUTANONE	< 25
ACETONE	< 25

CONSTITUENT	PZ-8 8/6/2008	PZ-8 10/2/2008
2-BUTANONE	< 100	< 20
ACETONE	**770**	37

CONSTITUENT	PZ-2 7/29/2008	PZ-2 10/2/2008
2-BUTANONE	2.6 J	< 5
ACETONE	17 J	11

CONSTITUENT	PZ-4 7/30/2008
2-BUTANONE	< 25
ACETONE	< 25

CONSTITUENT	PZ-5 8/6/2008	PZ-5 10/2/2008
2-BUTANONE	< 100	< 20
ACETONE	41 J	< 20

CONSTITUENT	PZ-12 12/11/2008
2-BUTANONE	<5
ACETONE	3.3

CONSTITUENT	MW-5 7/30/2008	MW-5 10/3/2008
2-BUTANONE	< 25	< 5
ACETONE	< 25	14

CONSTITUENT	PZ-16 12/11/2008
2-BUTANONE	<5
ACETONE	<5

CONSTITUENT	PZ-14 12/11/2008
2-BUTANONE	<5
ACETONE	6.3

CONSTITUENT	MW-10 7/30/2008	MW-10 10/3/2008
2-BUTANONE	< 25	< 5
ACETONE	< 25	< 5

CONSTITUENT	PZ-15 12/11/2008
2-BUTANONE	<5
ACETONE	<5

CONSTITUENT	HP (15) [15-feet bgs] 5/22/2008	HP (20) [20-feet bgs] 5/23/2008	HP (25) [25-feet bgs] 5/23/2008	HP (30) [30-feet bgs] 5/23/2008
2-BUTANONE	< 25	< 25	1.5 J	< 25
ACETONE	7.0 J	12 J	10 J	8.1 J

CONSTITUENT	PZ-13 11/4/2008	PZ-13 12/11/2008
2-BUTANONE	<5	<5
ACETONE	24	4.0

CONSTITUENT	MW-2 7/30/2008	MW-2 10/2/2008
2-BUTANONE	< 25	< 5
ACETONE	< 25	< 5

CONSTITUENT	PZ-11 11/4/2008	PZ-11 12/11/2008
2-BUTANONE	<5	<10
ACETONE	<5	3.2

CONSTITUENT	MW-13BR 7/30/2008	MW-13BR 10/3/2008	MW-13BR 2/5/2009
2-BUTANONE	< 25	< 5	<5
ACETONE	< 25	< 5	3.8 J

CONSTITUENT	MW-11 7/29/2008	MW-11 10/1/2008
2-BUTANONE	< 25	< 5
ACETONE	< 25	< 5

CONSTITUENT	MW-1 7/30/2008	MW-1 10/3/2008
2-BUTANONE	< 25	< 5
ACETONE	< 25	< 5

CONSTITUENT	PZ-6 8/6/2008	PZ-6 10/2/2008
2-BUTANONE	< 100	< 20
ACETONE	45 J	< 20

CONSTITUENT	PZ-9 8/6/2008	PZ-9 10/2/2008	PZ-9 2/5/2009
2-BUTANONE	2.6 J	< 5	<5
ACETONE	**150**	6.9	6.3

CONSTITUENT	PZ-10 8/6/2008	PZ-10 10/2/2008
2-BUTANONE	2.7 J	< 5
ACETONE	26	7.2

CONSTITUENT	PZ-7 8/6/2008	PZ-7 10/2/2008
2-BUTANONE	< 25	< 5
ACETONE	33	13

CONSTITUENT	MW-7 7/29/2008	MW-7 10/1/2008
2-BUTANONE	< 25	< 5
ACETONE	4.4 J	6.1

CONSTITUENT	MW-15BR 7/29/2008	MW-15BR 10/1/2008	MW-15BR 2/5/2009
2-BUTANONE	< 25	< 5	1.4 J
ACETONE	6.0 J	5.8	7.2

CONSTITUENT	MW-14BR 7/29/2008	MW-14BR 10/1/2008	MW-14BR 2/5/2009
2-BUTANONE	< 200	< 5	<5
ACETONE	**2100**	**380**	25

CONSTITUENT	MW-15S 7/29/2008	MW-15S 10/3/2008
2-BUTANONE	< 25	< 5
ACETONE	1.3 J	5.0

CONSTITUENT	MW-14S 7/29/2008	MW-14S 10/1/2008
2-BUTANONE	< 25	< 5
ACETONE	2.3 J	< 5

LEGEND:

- MW 10 — MONITORING WELL LOCATION
- PZ-9 — PIEZOMETER LOCATION
- HP — HYDROPUNCH LOCATION
- SAMPLE RESULTS EXCEED STANDARDS

CONSTITUENT	NYSDEC GW STANDARDS
2-HEXANONE	50
ACETONE	50

NOTES:

1. CONCENTRATIONS IN MICROGRAMS PER LITER (ug/L).
2. DATA COMPARED TO TOGS 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES.
3. EXCEEDENCES OF STANDARDS AND GUIDANCE VALUES NOTED IN BOLD.
4. J FLAG IDENTIFIES ESTIMATED CONCENTRATION.
5. LOCATIONS SURVEYED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD83). VERTICAL SURVEY CONTROL IS AN ON-SITE BENCHMARK AT THE SE CORNER OF THE BOILER HOUSE BUILDING IDENTIFIED AS 506.50 FEET.
6. SEE FIGURE 11 FOR WATER QUALITY RESULTS FOR MH-1, MH-2, CB-1, CB-2, CB-3 AND MH-7A.

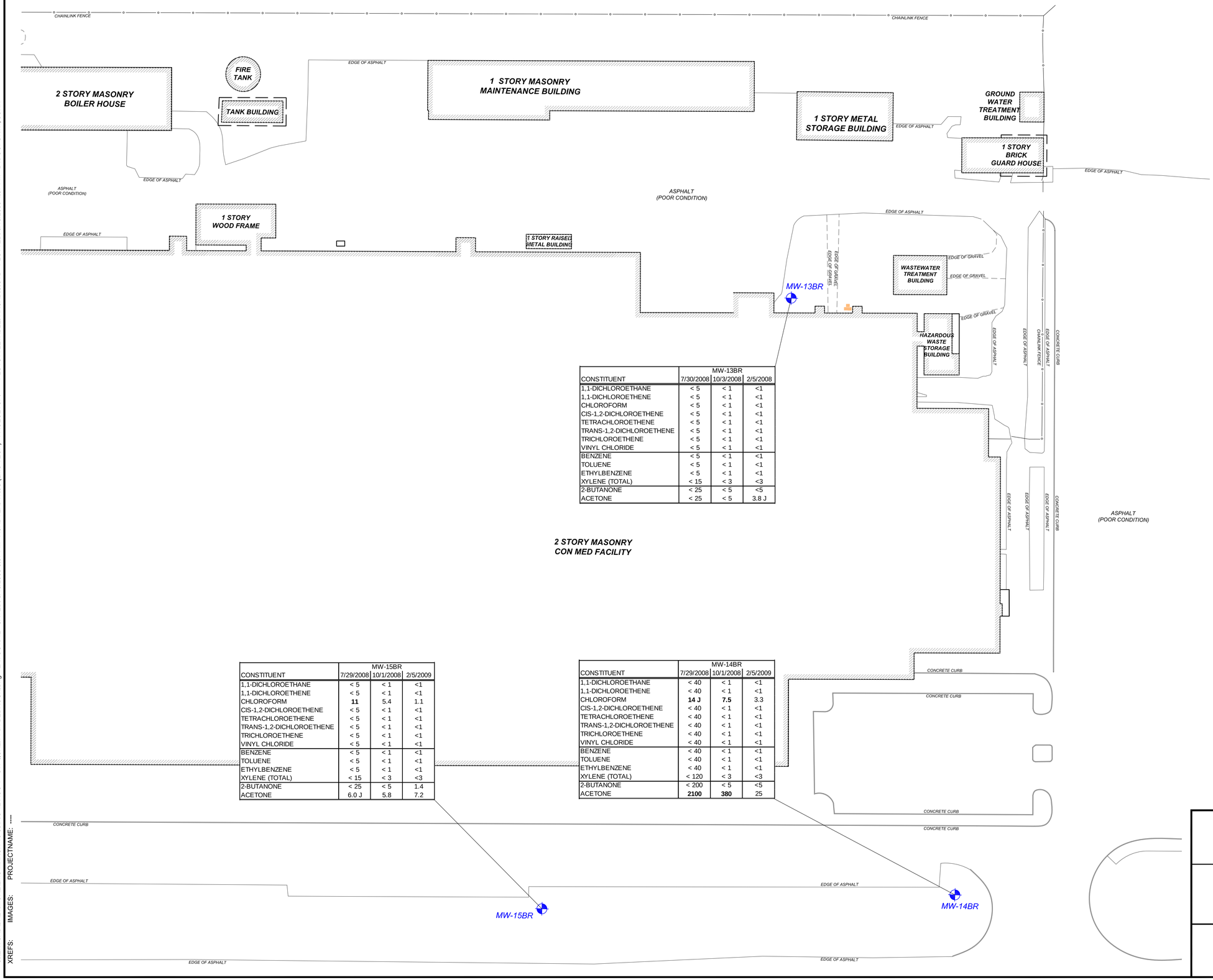
CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

AOC 1 - OTHER VOCs DETECTED IN GROUNDWATER

ARCADIS

FIGURE
11

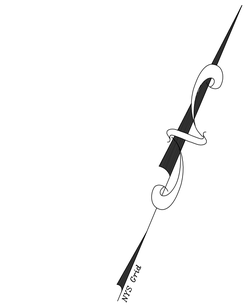
CITY:MAHWAH DIV/GROUP:ENVIRONMENTAL DB:J.GONZALEZ LD:J.BONSTEEL PIC:L.MCBURNEY PM:C.MOTTA TM:J.BONSTEEL LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\BALTIMORE\LMC-MARCH-13-09\FIG 11-AOC 1_OTHER VOCs IN GW.dwg LAYOUT: 11 SAVED: 3/13/2009 3:30 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: ---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 3/13/2009 4:35 PM BY: GOFORTH, JOHN
XREFS: IMAGES: PROJECTNAME: ---



CONSTITUENT	MW-13BR 7/30/2008	10/3/2008	2/5/2008
1,1-DICHLOROETHANE	< 5	< 1	<1
1,1-DICHLOROETHENE	< 5	< 1	<1
CHLOROFORM	< 5	< 1	<1
CIS-1,2-DICHLOROETHENE	< 5	< 1	<1
TETRACHLOROETHENE	< 5	< 1	<1
TRANS-1,2-DICHLOROETHENE	< 5	< 1	<1
TRICHLOROETHENE	< 5	< 1	<1
VINYL CHLORIDE	< 5	< 1	<1
BENZENE	< 5	< 1	<1
TOLUENE	< 5	< 1	<1
ETHYLBENZENE	< 5	< 1	<1
XYLENE (TOTAL)	< 15	< 3	<3
2-BUTANONE	< 25	< 5	<5
ACETONE	< 25	< 5	3.8 J

CONSTITUENT	MW-15BR 7/29/2008	10/1/2008	2/5/2009
1,1-DICHLOROETHANE	< 5	< 1	<1
1,1-DICHLOROETHENE	< 5	< 1	<1
CHLOROFORM	**11**	5.4	1.1
CIS-1,2-DICHLOROETHENE	< 5	< 1	<1
TETRACHLOROETHENE	< 5	< 1	<1
TRANS-1,2-DICHLOROETHENE	< 5	< 1	<1
TRICHLOROETHENE	< 5	< 1	<1
VINYL CHLORIDE	< 5	< 1	<1
BENZENE	< 5	< 1	<1
TOLUENE	< 5	< 1	<1
ETHYLBENZENE	< 5	< 1	<1
XYLENE (TOTAL)	< 15	< 3	<3
2-BUTANONE	< 25	< 5	1.4
ACETONE	6.0 J	5.8	7.2

CONSTITUENT	MW-14BR 7/29/2008	10/1/2008	2/5/2009
1,1-DICHLOROETHANE	< 40	< 1	<1
1,1-DICHLOROETHENE	< 40	< 1	<1
CHLOROFORM	**14 J**	**7.5**	3.3
CIS-1,2-DICHLOROETHENE	< 40	< 1	<1
TETRACHLOROETHENE	< 40	< 1	<1
TRANS-1,2-DICHLOROETHENE	< 40	< 1	<1
TRICHLOROETHENE	< 40	< 1	<1
VINYL CHLORIDE	< 40	< 1	<1
BENZENE	< 40	< 1	<1
TOLUENE	< 40	< 1	<1
ETHYLBENZENE	< 40	< 1	<1
XYLENE (TOTAL)	< 120	< 3	<3
2-BUTANONE	< 200	< 5	<5
ACETONE	**2100**	**380**	25



LEGEND:

MW-13BR MONITORING WELL LOCATION

CONSTITUENT	NYSDEC GW STANDARDS
1,1-DICHLOROETHANE	5
1,1-DICHLOROETHENE	0.7
CHLOROFORM	7
CIS-1,2-DICHLOROETHENE	5
TETRACHLOROETHENE	5
TRICHLOROETHENE	5
VINYL CHLORIDE	2
BENZENE	1
TOLUENE	5
ETHYLBENZENE	5
XYLENE (TOTAL)	5
2-HEXANONE	50
ACETONE	50

NOTES:

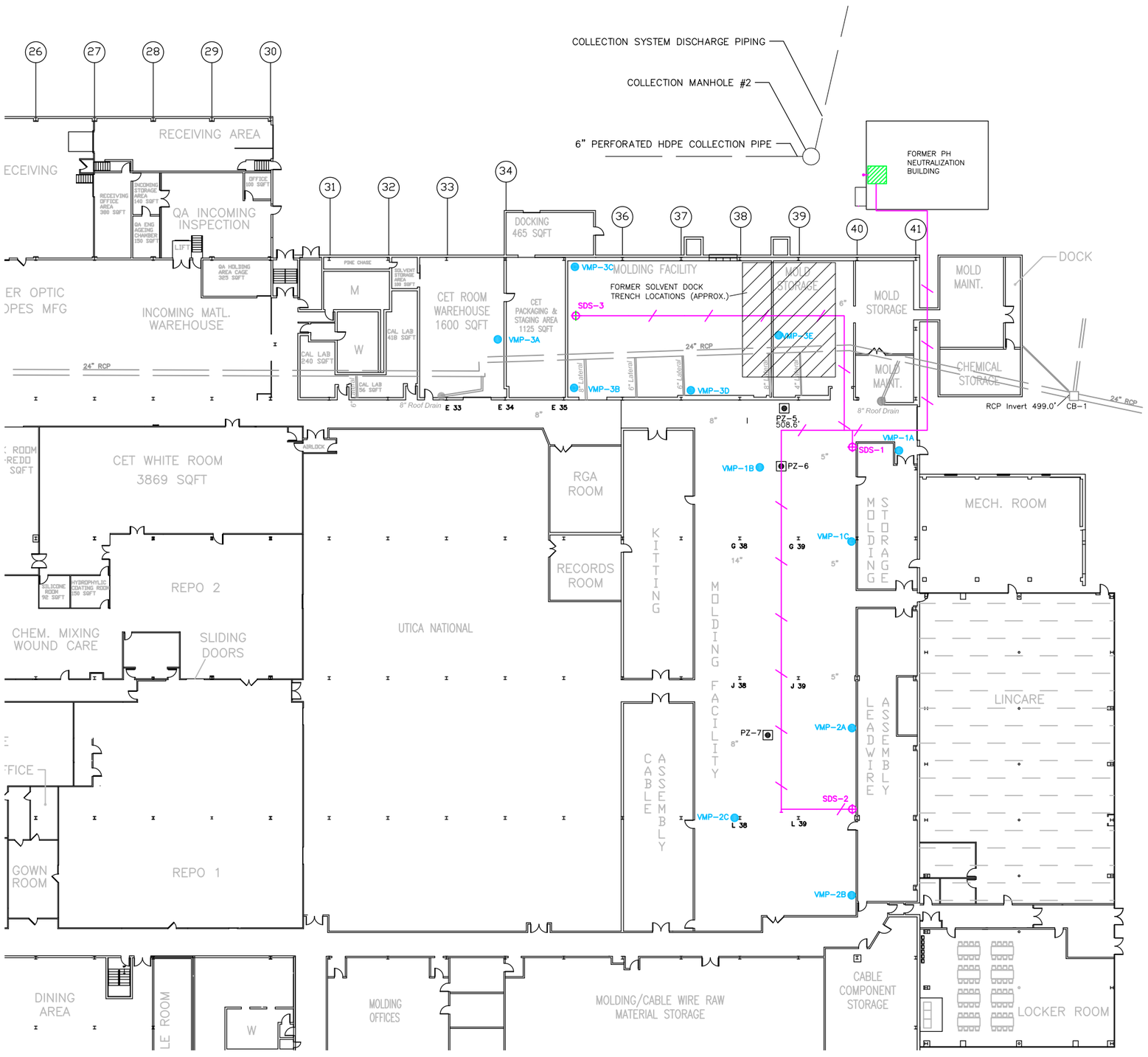
1. CONCENTRATIONS IN MICROGRAMS PER LITER (ug/L).
2. DATA COMPARED TO TOGS 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES.
3. EXCEEDENCES OF STANDARDS AND GUIDANCE VALUES NOTED IN BOLD.
4. J FLAG IDENTIFIES ESTIMATED CONCENTRATION.
5. LOCATIONS SURVEYED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD83). VERTICAL SURVEY CONTROL IS AN ON-SITE BENCHMARK AT THE SE CORNER OF THE BOILER HOUSE BUILDING IDENTIFIED AS 506.50 FEET.

CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

AOC 1 - GROUNDWATER QUALITY IN THE UTICA SHALE

ARCADIS

FIGURE
12



LEGEND

- PZ-7 — LOCATION OF EXISTING PIEZOMETER
- SDS-1 — LOCATION OF SUBSLAB DEPRESSURIZATION SUMP (SDS)
- VMP-1A — LOCATION OF TEMPORARY VACUUM MONITORING POINT (VMP)
- LOCATION OF SUBSLAB DEPRESSURIZATION SYSTEM EQUIPMENT
- LOCATION OF SUBSLAB DEPRESSURIZATION ABOVE GRADE PIPING
- 5" — SLAB THICKNESS BASED ON RECORD DRAWINGS PROVIDED BY CONMED CORPORATION
- (35) — BUILDING COLUMN LINE IDENTIFICATION
- 24" RCP — ACTIVE FACILITY STORM SEWER

PLANT NORTH

NOTES:

1.BASE DRAWING SOURCE: CONMED, TITLE: FRENCH ROAD BLOCK PLAN PROPOSED SPACE UTILIZATION, DRAWING NO:FR001, DATE: 01/28/94. CONMED SOURCE DRAWING: LOCKHEED MARTIN DRAWING NUMBER RFABLK.DWG JEG 31OCT94.

0 40 80
SCALE IN FEET

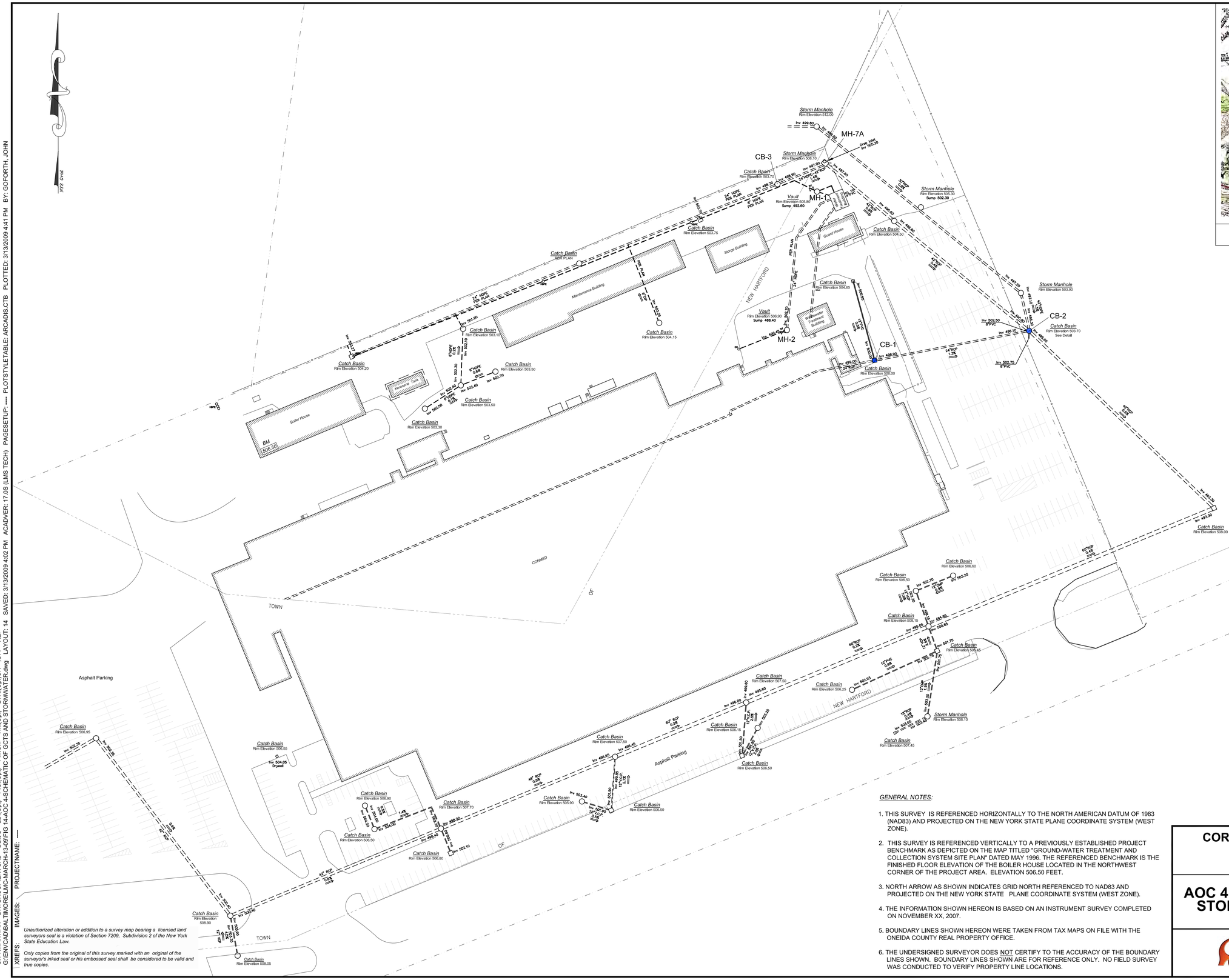
CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

AOC 2 - SUB-SLAB DEPRESSURIZATION SYSTEM LAYOUT

ARCADIS

FIGURE 13

CITY:(ALB) DIV/GROUP:(ENV/SER1) DB:(T.CARIGNAN) LD:(T.CARIGNAN) PIC:(L.MCBURNEY) PM:(C.MOTTA) TM:(J.BONSTEEL)
G:\APROJECTS\LOCKHEED\Utica\Vapor Intrusion - Solvent Dock\Revised WP for the ICM\Figures
XREFS:
PROJECT: NJ000631.0001.00001



U.S.G.S. Quadrangle
Utica West, New York
1" = 2000' +/-

LEGEND:

- STORM PIPE
- CHAIN LINK FENCE
- CITY / TOWN LINE
- ADJOINER TAX PARCEL LINE
- 340.45 — FINISHED FLOOR ELEVATION AND LOCATION
- CB — CATCH BASIN
- MANHOLE
- SEWER VALVE
- CO — CLEANOUT
- HDPE — VERTICAL HDPE
- WATER SAMPLING LOCATION

NOTE:

CB-2 WAS LABLED AS MH-8A BY BBL.

0 60' 120'
GRAPHIC SCALE

GENERAL NOTES:

1. THIS SURVEY IS REFERENCED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD83) AND PROJECTED ON THE NEW YORK STATE PLANE COORDINATE SYSTEM (WEST ZONE).
2. THIS SURVEY IS REFERENCED VERTICALLY TO A PREVIOUSLY ESTABLISHED PROJECT BENCHMARK AS DEPICTED ON THE MAP TITLED "GROUND-WATER TREATMENT AND COLLECTION SYSTEM SITE PLAN" DATED MAY 1996. THE REFERENCED BENCHMARK IS THE FINISHED FLOOR ELEVATION OF THE BOILER HOUSE LOCATED IN THE NORTHWEST CORNER OF THE PROJECT AREA. ELEVATION 506.50 FEET.
3. NORTH ARROW AS SHOWN INDICATES GRID NORTH REFERENCED TO NAD83 AND PROJECTED ON THE NEW YORK STATE PLANE COORDINATE SYSTEM (WEST ZONE).
4. THE INFORMATION SHOWN HEREON IS BASED ON AN INSTRUMENT SURVEY COMPLETED ON NOVEMBER XX, 2007.
5. BOUNDARY LINES SHOWN HEREON WERE TAKEN FROM TAX MAPS ON FILE WITH THE ONEIDA COUNTY REAL PROPERTY OFFICE.
6. THE UNDERSIGNED SURVEYOR DOES NOT CERTIFY TO THE ACCURACY OF THE BOUNDARY LINES SHOWN. BOUNDARY LINES SHOWN ARE FOR REFERENCE ONLY. NO FIELD SURVEY WAS CONDUCTED TO VERIFY PROPERTY LINE LOCATIONS.

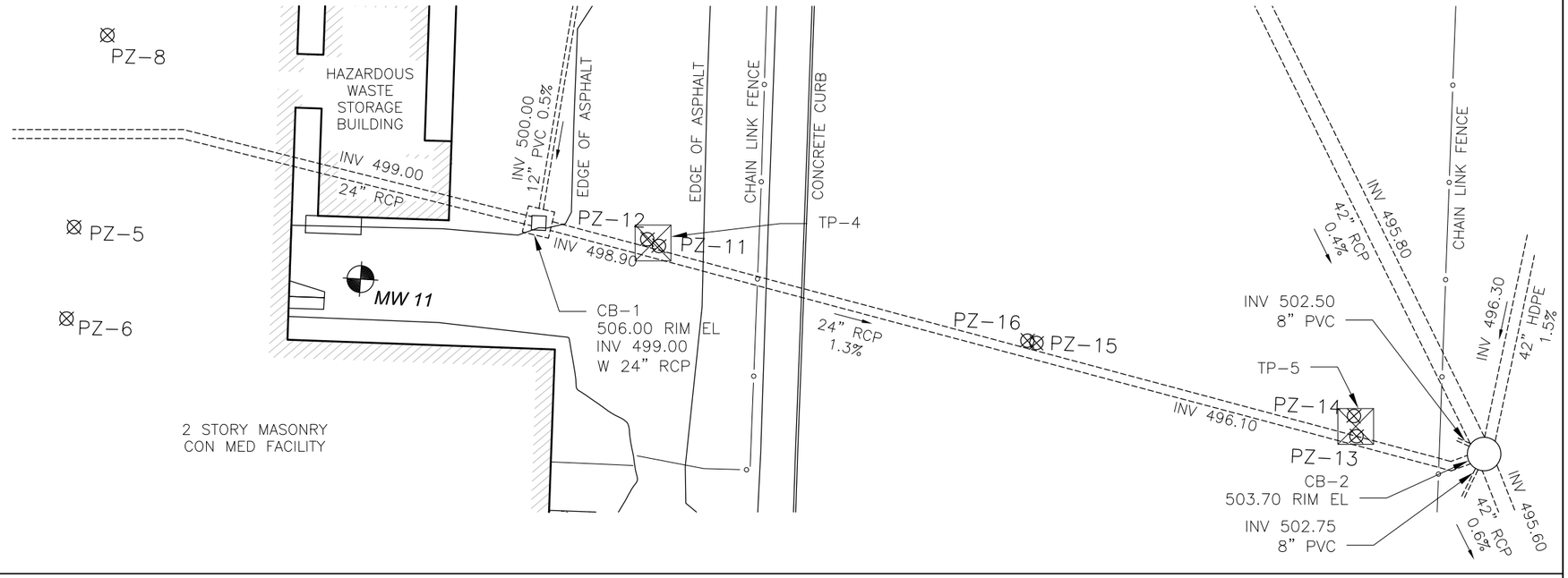
CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

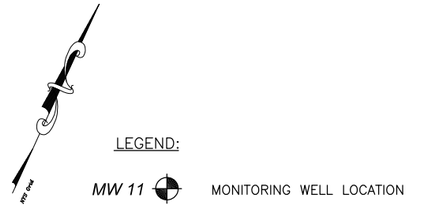
AOC 4 - SCHEMATIC OF THE GCTS AND STORM WATER DRAINAGE SYSTEM

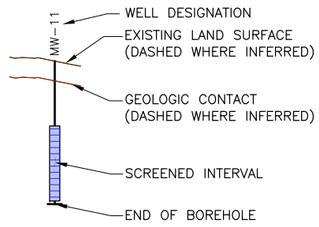
ARCADIS

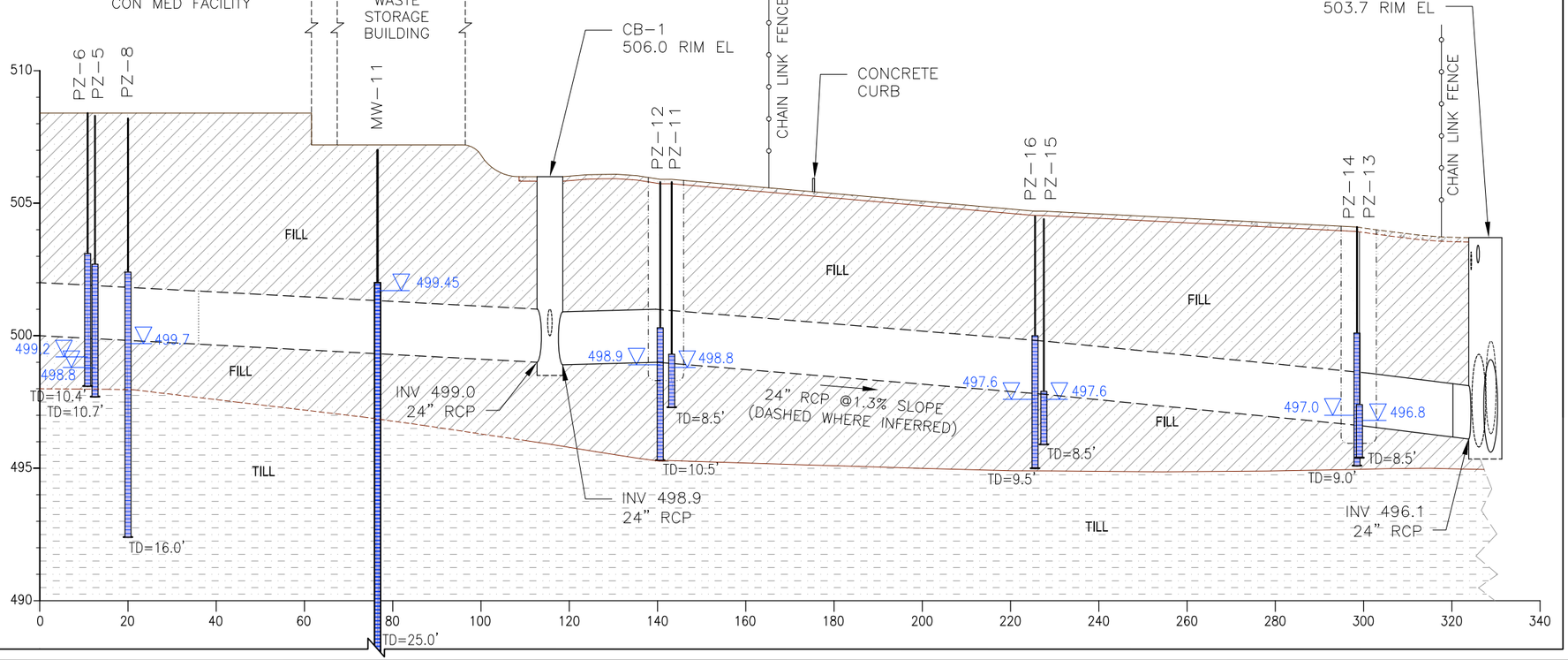
FIGURE
14

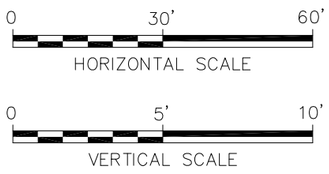
CITY:MAHWAH DIV/GROUP:ENVCAD DB:JG LD:(Opt) PIC:(Opt) PM:CM TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\BALTIMORE\LMC-MARCH-14-08\FIG 14-AOC 4-SCHEMATIC OF GCTS AND STORMWATER.dwg LAYOUT: 14 SAVED: 3/13/2009 4:02 PM ACADVER: 17.0S (LMS TECH) PAGESETUP:---- PLOTSTYLETABLE: ARCADIS.CTB PLOTTED: 3/13/2009 4:41 PM BY: GOFORTH, JOHN
XREFS: IMAGES: PROJECTNAME: ----









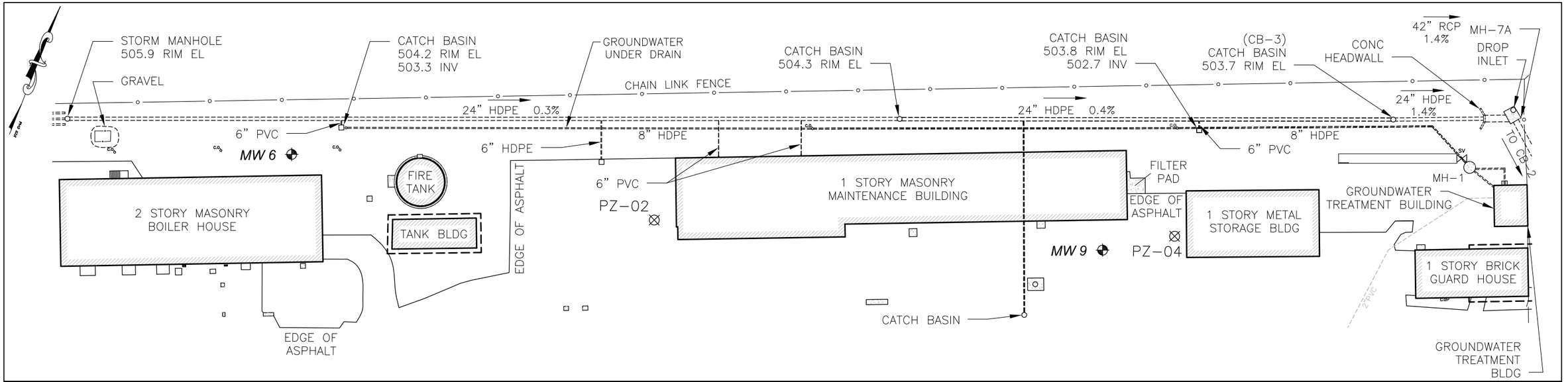


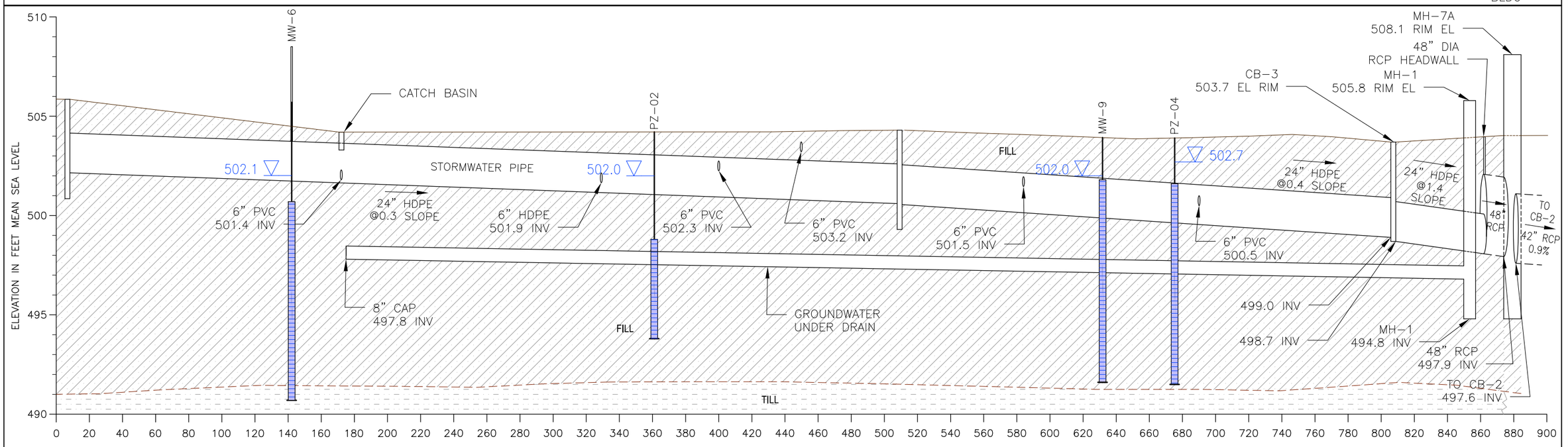
CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

AOC 4 - PLAN AND PROFILE OF CB-1 AND CB-2

ARCADIS

FIGURE
15





LEGEND:

- SEWER VALVE LOCATION
- MW 4 — MONITORING WELL LOCATION
- 502.0 — GROUNDWATER LEVEL, 11/18/08
- FILL
- TILL

MW-4
- WELL DESIGNATION
- EXISTING LAND SURFACE (DASHED WHERE INFERRED)
- GEOLOGIC CONTACT (DASHED WHERE INFERRED)
- SCREENED INTERVAL
- END OF BOREHOLE

NOTE:

WELL SCREEN INTERVALS WERE CALCULATED AND SHOWN AS MSL, NOT RELATIVE TO THE GROUND SURFACE AT THE WELL LOCATION.

0 60' 120'
HORIZONTAL SCALE

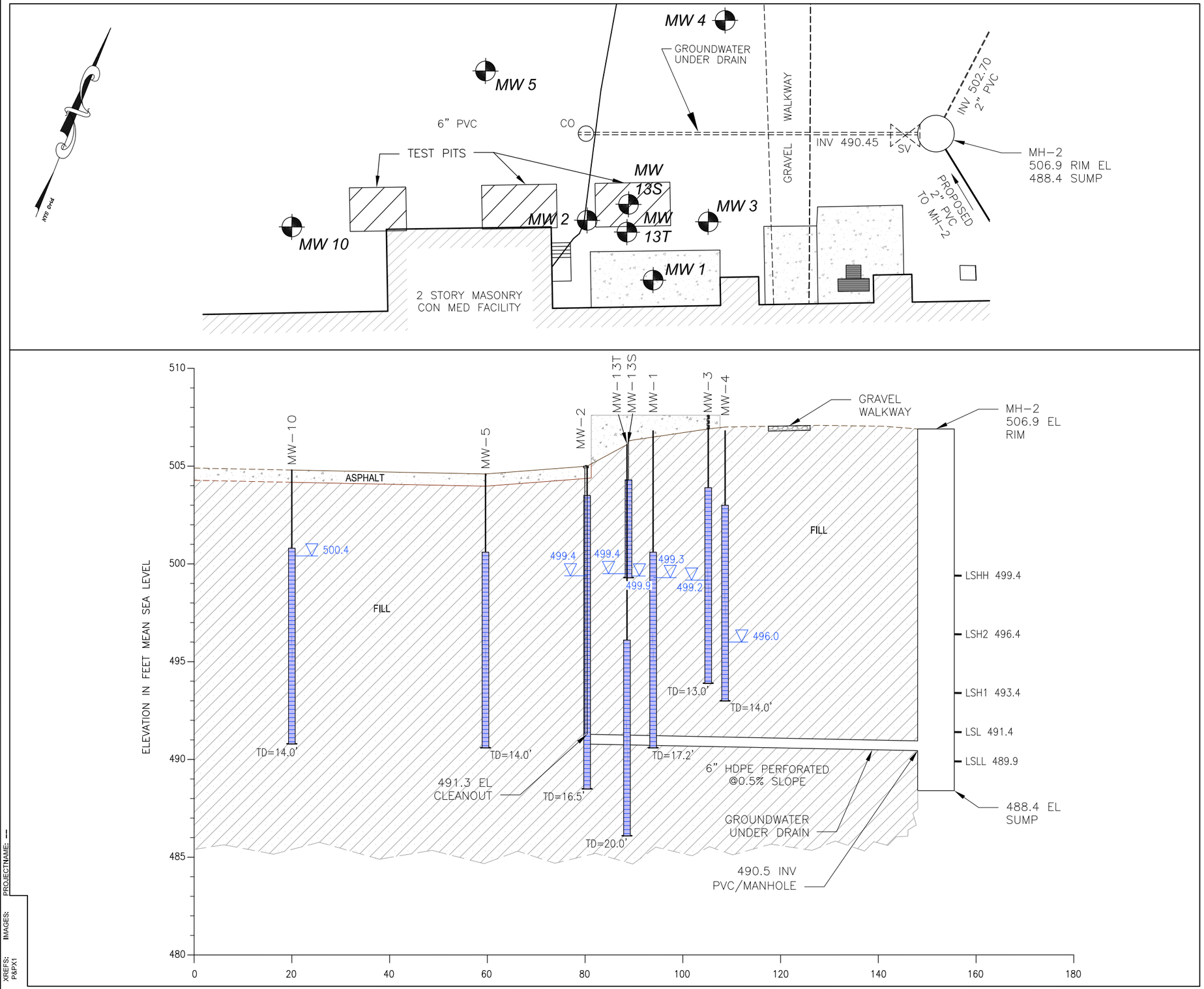
0 5' 10'
VERTICAL SCALE

CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

AOC 4 - PLAN AND PROFILE OF MH-1 UNDER DRAIN

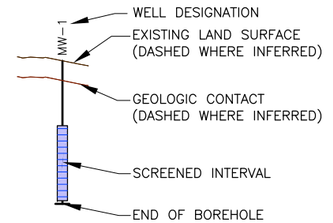
ARCADIS

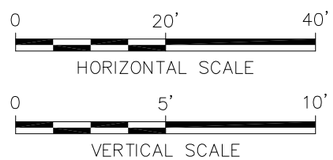
FIGURE
16



LEGEND:

MW 10	MONITORING WELL LOCATION
495.4	GROUNDWATER LEVEL, 11/18/08
	GRAVEL
	ASPHALT
	FILL
LSL	LEVEL SWITCH LOW
LSLL	LEVEL SWITCH LOW LOW
LSH	LEVEL SWITCH HIGH
LSHH	LEVEL SWITCH HIGH HIGH





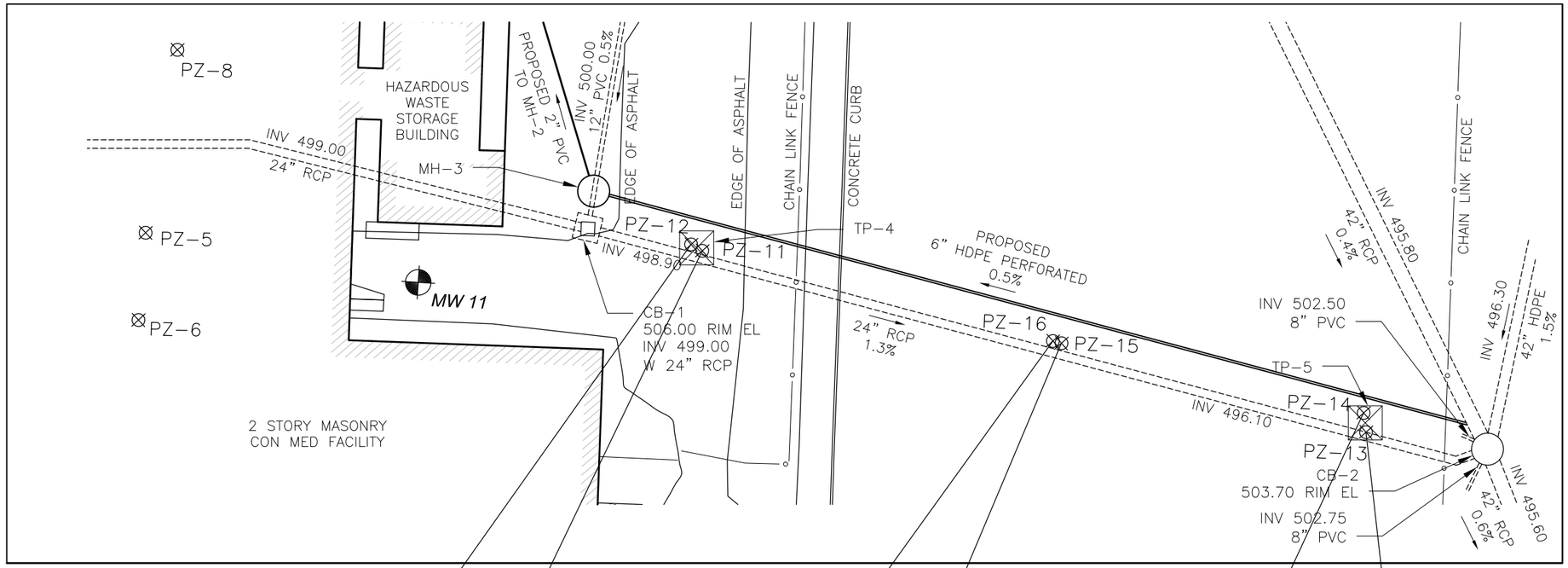
CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

AOC 4 - PLAN AND PROFILE OF MH-2 UNDER DRAIN

ARCADIS

FIGURE
17

CITY:(Read) DIV/GROUP:(Read) DB:(Read) LD:(Opt) PIC:(Opt) PM:(Read) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\BALTIMORE\LMC-MARCH-13-09\FIG 17 18 23-PLAN AND PROFILE.dwg LAYOUT: 16- 17X11 SAVED: 3/13/2009 1:17 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTHALF.CTB PLOTTED: 3/13/2009 4:54 PM BY: GOFORTH, JOHN
XREFS: IMAGES: PROJECTNAME: ---
P&PX1



LEGEND:

- MW 11 — MONITORING WELL LOCATION
- PZ-5 — PIEZOMETER LOCATION
- TEST PIT LOCATION
- SAMPLE RESULTS EXCEED STANDARDS

CONSTITUENT	NYSDEC GW STANDARDS
1,1-DICHLOROETHANE	5
1,1-DICHLOROETHENE	0.70
CHLOROFORM	7
CIS-1,2-DICHLOROETHENE	5
TETRACHLOROETHENE	5
TRICHLOROETHENE	5
VINYL CHLORIDE	2

CONSTITUENT	PZ-12 12/11/2008
1,1-DICHLOROETHANE	<1
1,1-DICHLOROETHENE	<1
CHLOROFORM	<1
CIS-1,2-DICHLOROETHENE	**10**
TETRACHLOROETHENE	**45**
TRICHLOROETHENE	**18**
VINYL CHLORIDE	<1

CONSTITUENT	PZ-16 12/11/2008
1,1-DICHLOROETHANE	<1
1,1-DICHLOROETHENE	<1
CHLOROFORM	0.78
CIS-1,2-DICHLOROETHENE	**5.5**
TETRACHLOROETHENE	**8.6**
TRICHLOROETHENE	**10**
VINYL CHLORIDE	<1

CONSTITUENT	PZ-14 12/11/2008
1,1-DICHLOROETHANE	<1
1,1-DICHLOROETHENE	<1
CHLOROFORM	<1
CIS-1,2-DICHLOROETHENE	2.5
TETRACHLOROETHENE	1.8
TRICHLOROETHENE	1.2
VINYL CHLORIDE	<1

CONSTITUENT	PZ-11 11/4/2008	PZ-11 12/11/2008
1,1-DICHLOROETHANE	<1	<2
1,1-DICHLOROETHENE	<1	<2
CHLOROFORM	0.83 J	<2
CIS-1,2-DICHLOROETHENE	**8.8**	2.7
TETRACHLOROETHENE	**95**	**15**
TRICHLOROETHENE	**33**	4.5
VINYL CHLORIDE	<1	<2

CONSTITUENT	PZ-15 12/11/2008
1,1-DICHLOROETHANE	<1
1,1-DICHLOROETHENE	<1
CHLOROFORM	<1
CIS-1,2-DICHLOROETHENE	**9.6**
TETRACHLOROETHENE	**6.7**
TRICHLOROETHENE	**6.5**
VINYL CHLORIDE	<1

CONSTITUENT	PZ-13 11/4/2008	PZ-13 12/11/2008
1,1-DICHLOROETHANE	<1	<1
1,1-DICHLOROETHENE	<1	<1
CHLOROFORM	<1	<1
CIS-1,2-DICHLOROETHENE	4.1	<1
TETRACHLOROETHENE	**5.7**	1.9
TRICHLOROETHENE	2.6	0.53
VINYL CHLORIDE	<1	<1

0 15' 30'

HORIZONTAL SCALE

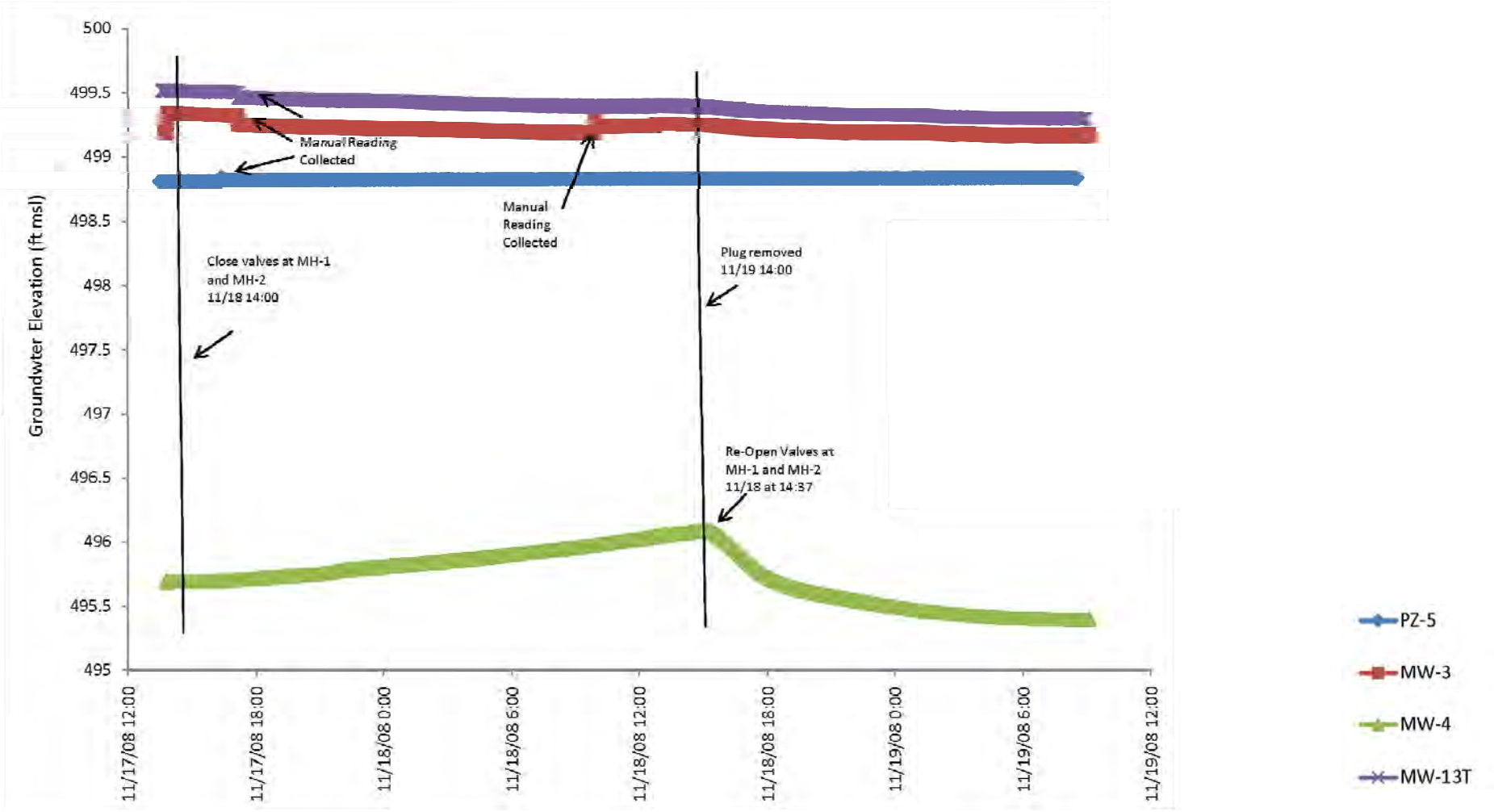
CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

AOC 4 - CVOC GROUNDWATER QUALITY IN THE AREA OF CB-1 AND CB-2

ARCADIS

FIGURE
18

CITY:(MAHWAH) DIV/GROUP:(ENRI-1) DB:(JG LD:(Opt) PIC:(Opt) PM:(CM) TM:(BM) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\BALTIMORE\LMC-MARCH-13-09\FIG 19-CONTINOUS WATER LEVEL MONITORING.dwg LAYOUT: 19 SAVED: 3/11/2009 8:01 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: --- PLOTTED: 3/11/2009 8:02 PM BY: GOFORTH, JOHN
XREFS: IMAGES: PROJECTNAME: ---
Continuous Water Level Elev.jpg



CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

AOC 4 - CONTINUOUS WATER-LEVEL MONITORING GRAPH FOR THE GCTS

ARCADIS

FIGURE
19

CITY:(MAHWAH) DIV/GROUP:(ENRI-1) DB:(JG) LD:(Opt) PIC:(BM) PM:(CM) TM:(BM) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\BALTIMORE\LMC-MARCH-13-09\FIG 20-MANUAL WATER LEVEL MONITORING.dwg LAYOUT: 20 SAVED: 3/11/2009 8:04 PM ACADVER: 17.0S (LMS TECH) PAGESETUP: -- PLOTSTYLETABLE: ACAD.CTB PLOTTED: 3/11/2009 8:05 PM BY: GOFORTH, JOHN

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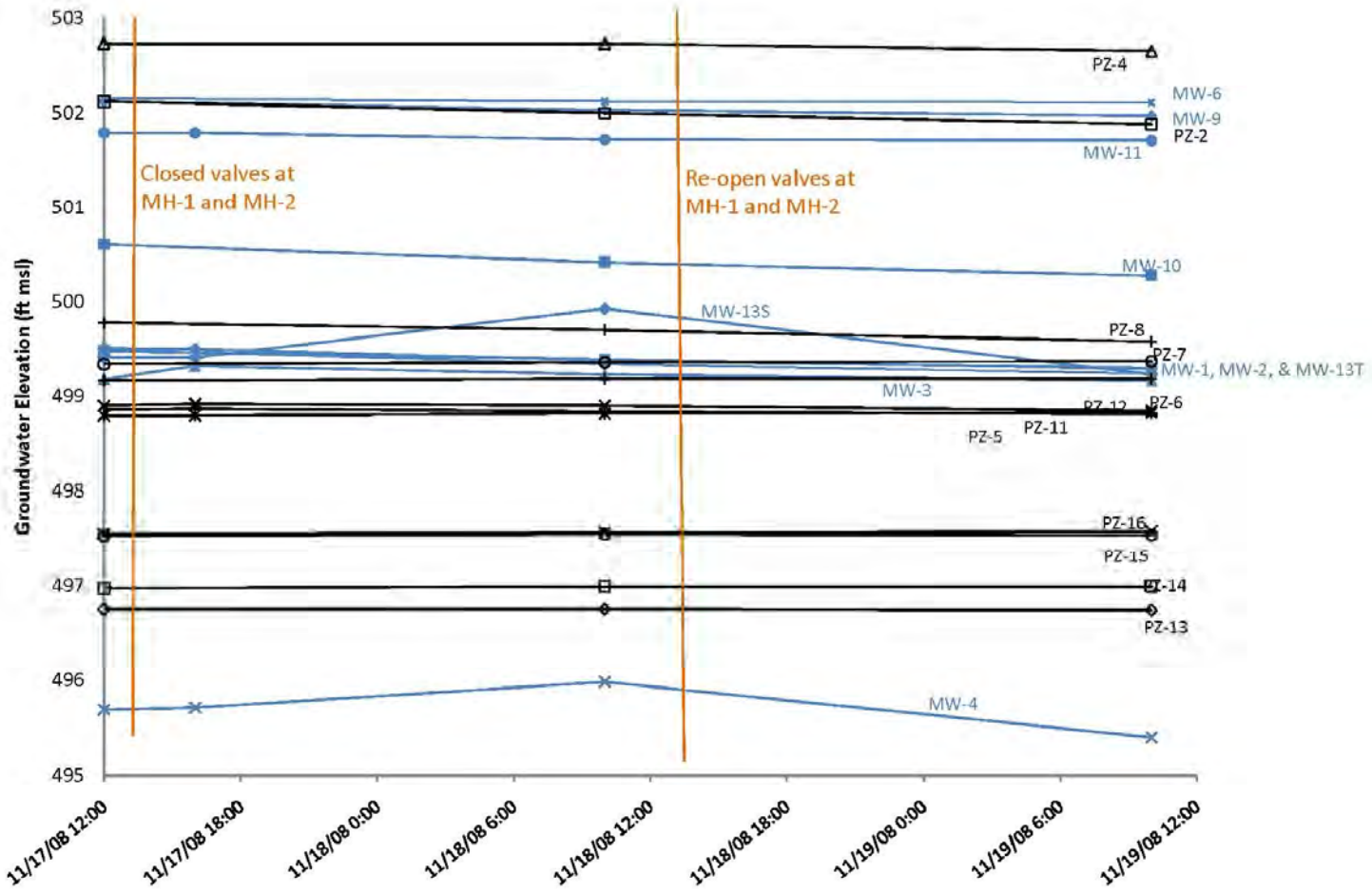
Manual Legend.bmp
MANUAL LEGEND 2.bmp
Manual Water-Level Graph.jpg
orange line.bmp

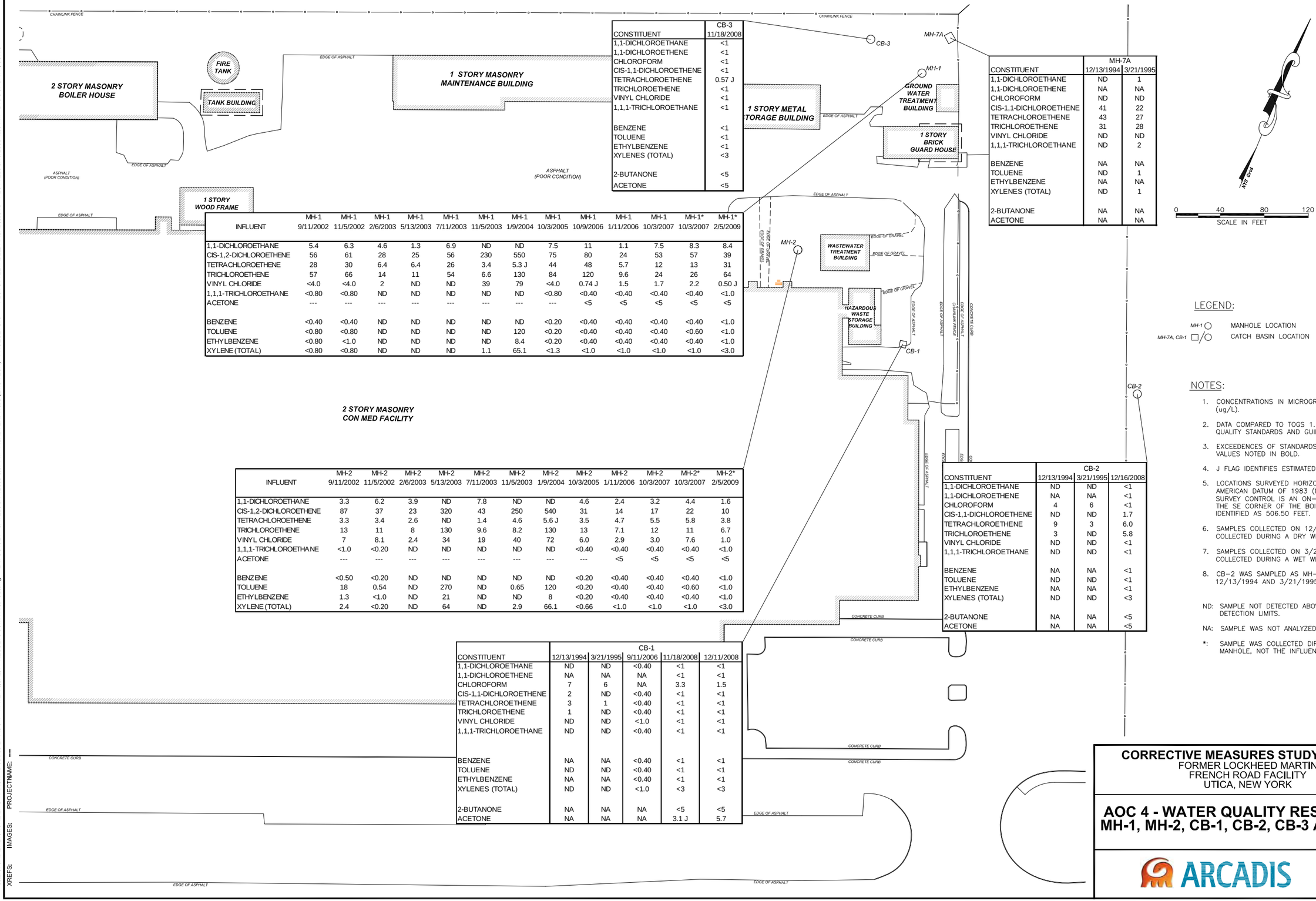


CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

AOC 4 - MANUAL WATER-LEVEL MONITORING GRAPH FOR THE GCTS

ARCADIS

FIGURE
20



CONSTITUENT	CB-3 11/18/2008
1,1-DICHLOROETHANE	<1
1,1-DICHLOROETHENE	<1
CHLOROFORM	<1
CIS-1,1-DICHLOROETHENE	<1
TETRACHLOROETHENE	0.57 J
TRICHLOROETHENE	<1
VINYL CHLORIDE	<1
1,1,1-TRICHLOROETHANE	<1
BENZENE	<1
TOLUENE	<1
ETHYLBENZENE	<1
XYLENES (TOTAL)	<3
2-BUTANONE	<5
ACETONE	<5

CONSTITUENT	MH-7A 12/13/1994	3/21/1995
1,1-DICHLOROETHANE	ND	1
1,1-DICHLOROETHENE	NA	NA
CHLOROFORM	ND	ND
CIS-1,1-DICHLOROETHENE	41	22
TETRACHLOROETHENE	43	27
TRICHLOROETHENE	31	28
VINYL CHLORIDE	ND	ND
1,1,1-TRICHLOROETHANE	ND	2
BENZENE	NA	NA
TOLUENE	ND	1
ETHYLBENZENE	NA	NA
XYLENES (TOTAL)	ND	1
2-BUTANONE	NA	NA
ACETONE	NA	NA

INFLUENT	MH-1 9/11/2002	MH-1 11/5/2002	MH-1 2/6/2003	MH-1 5/13/2003	MH-1 7/11/2003	MH-1 11/5/2003	MH-1 1/9/2004	MH-1 10/3/2005	MH-1 10/9/2006	MH-1 1/11/2006	MH-1 10/3/2007	MH-1* 10/3/2007	MH-1* 2/5/2009
1,1-DICHLOROETHANE	5.4	6.3	4.6	1.3	6.9	ND	ND	7.5	11	1.1	7.5	8.3	8.4
CIS-1,2-DICHLOROETHENE	56	61	28	25	56	230	550	75	80	24	53	57	39
TETRACHLOROETHENE	28	30	6.4	6.4	26	3.4	5.3 J	44	48	5.7	12	13	31
TRICHLOROETHENE	57	66	14	11	54	6.6	130	84	120	9.6	24	26	64
VINYL CHLORIDE	<4.0	<4.0	2	ND	ND	39	79	<4.0	0.74 J	1.5	1.7	2.2	0.50 J
1,1,1-TRICHLOROETHANE	<0.80	<0.80	ND	ND	ND	ND	ND	<0.80	<0.40	<0.40	<0.40	<0.40	<1.0
ACETONE	---	---	---	---	---	---	---	---	<5	<5	<5	<5	<5
BENZENE	<0.40	<0.40	ND	ND	ND	ND	ND	<0.20	<0.40	<0.40	<0.40	<0.40	<1.0
TOLUENE	<0.80	<0.80	ND	ND	ND	ND	120	<0.20	<0.40	<0.40	<0.40	<0.60	<1.0
ETHYLBENZENE	<0.80	<1.0	ND	ND	ND	ND	8.4	<0.20	<0.40	<0.40	<0.40	<0.40	<1.0
XYLENE (TOTAL)	<0.80	<0.80	ND	ND	ND	1.1	65.1	<1.3	<1.0	<1.0	<1.0	<1.0	<3.0

INFLUENT	MH-2 9/11/2002	MH-2 11/5/2002	MH-2 2/6/2003	MH-2 5/13/2003	MH-2 7/11/2003	MH-2 11/5/2003	MH-2 1/9/2004	MH-2 10/3/2005	MH-2 1/11/2006	MH-2 10/3/2007	MH-2* 10/3/2007	MH-2* 2/5/2009
1,1-DICHLOROETHANE	3.3	6.2	3.9	ND	7.8	ND	ND	4.6	2.4	3.2	4.4	1.6
CIS-1,2-DICHLOROETHENE	87	37	23	320	43	250	540	31	14	17	22	10
TETRACHLOROETHENE	3.3	3.4	2.6	ND	1.4	4.6	5.6 J	3.5	4.7	5.5	5.8	3.8
TRICHLOROETHENE	13	11	8	130	9.6	8.2	130	13	7.1	12	11	6.7
VINYL CHLORIDE	7	8.1	2.4	34	19	40	72	6.0	2.9	3.0	7.6	1.0
1,1,1-TRICHLOROETHANE	<1.0	<0.20	ND	ND	ND	ND	ND	<0.40	<0.40	<0.40	<0.40	<1.0
ACETONE	---	---	---	---	---	---	---	---	<5	<5	<5	<5
BENZENE	<0.50	<0.20	ND	ND	ND	ND	ND	<0.20	<0.40	<0.40	<0.40	<1.0
TOLUENE	18	0.54	ND	270	ND	0.65	120	<0.20	<0.40	<0.40	<0.60	<1.0
ETHYLBENZENE	1.3	<1.0	ND	21	ND	ND	8	<0.20	<0.40	<0.40	<0.40	<1.0
XYLENE (TOTAL)	2.4	<0.20	ND	64	ND	2.9	66.1	<0.66	<1.0	<1.0	<1.0	<3.0

CONSTITUENT	CB-1 12/13/1994	3/21/1995	9/11/2006	11/18/2008	12/11/2008
1,1-DICHLOROETHANE	ND	ND	<0.40	<1	<1
1,1-DICHLOROETHENE	NA	NA	NA	<1	<1
CHLOROFORM	7	6	NA	3.3	1.5
CIS-1,1-DICHLOROETHENE	2	ND	<0.40	<1	<1
TETRACHLOROETHENE	3	1	<0.40	<1	<1
TRICHLOROETHENE	1	ND	<0.40	<1	<1
VINYL CHLORIDE	ND	ND	<1.0	<1	<1
1,1,1-TRICHLOROETHANE	ND	ND	<0.40	<1	<1
BENZENE	NA	NA	<0.40	<1	<1
TOLUENE	ND	ND	<0.40	<1	<1
ETHYLBENZENE	NA	NA	<0.40	<1	<1
XYLENES (TOTAL)	ND	ND	<1.0	<3	<3
2-BUTANONE	NA	NA	NA	<5	<5
ACETONE	NA	NA	NA	3.1 J	5.7

CONSTITUENT	CB-2 12/13/1994	3/21/1995	12/16/2008
1,1-DICHLOROETHANE	ND	ND	<1
1,1-DICHLOROETHENE	NA	NA	<1
CHLOROFORM	4	6	<1
CIS-1,1-DICHLOROETHENE	ND	ND	1.7
TETRACHLOROETHENE	9	3	6.0
TRICHLOROETHENE	3	ND	5.8
VINYL CHLORIDE	ND	ND	<1
1,1,1-TRICHLOROETHANE	ND	ND	<1
BENZENE	NA	NA	<1
TOLUENE	ND	ND	<1
ETHYLBENZENE	NA	NA	<1
XYLENES (TOTAL)	ND	ND	<3
2-BUTANONE	NA	NA	<5
ACETONE	NA	NA	<5

LEGEND:

MH-1 ○ MANHOLE LOCATION

MH-7A, CB-1 □/○ CATCH BASIN LOCATION

NOTES:

1. CONCENTRATIONS IN MICROGRAMS PER LITER (ug/L).
2. DATA COMPARED TO TOGS 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES.
3. EXCEEDENCES OF STANDARDS AND GUIDANCE VALUES NOTED IN BOLD.
4. J FLAG IDENTIFIES ESTIMATED CONCENTRATION.
5. LOCATIONS SURVEYED HORIZONTALLY TO THE NORTH AMERICAN DATUM OF 1983 (NAD83). VERTICAL SURVEY CONTROL IS AN ON-SITE BENCHMARK AT THE SE CORNER OF THE BOILER HOUSE BUILDING IDENTIFIED AS 506.50 FEET.
6. SAMPLES COLLECTED ON 12/13/1994 WERE COLLECTED DURING A DRY WEATHER EVENT.
7. SAMPLES COLLECTED ON 3/21/1995 WERE COLLECTED DURING A WET WEATHER EVENT.
8. CB-2 WAS SAMPLED AS MH-8A BY BBL ON 12/13/1994 AND 3/21/1995.

ND: SAMPLE NOT DETECTED ABOVE LABORATORY DETECTION LIMITS.

NA: SAMPLE WAS NOT ANALYZED FOR CONSTITUENT.

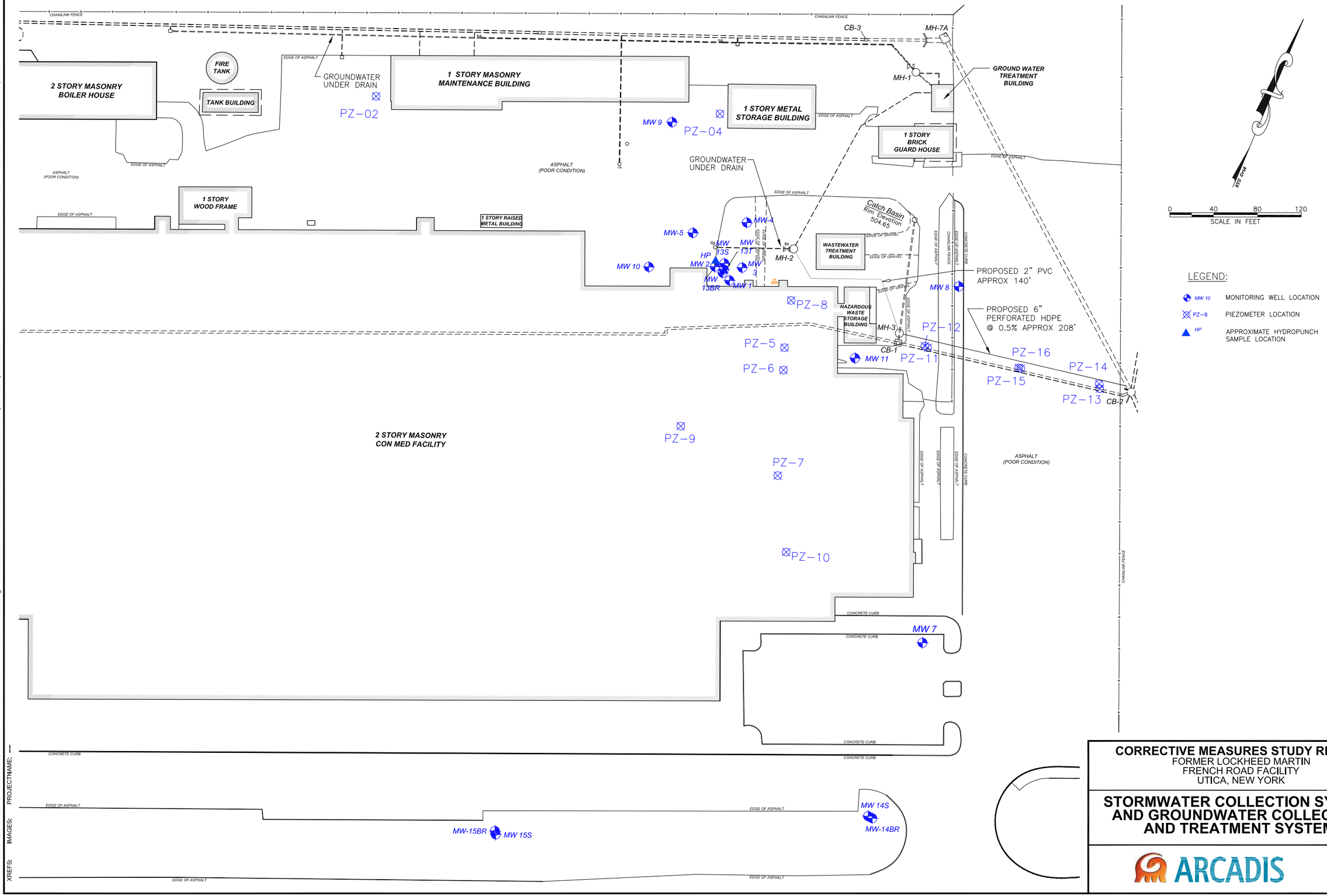
*: SAMPLE WAS COLLECTED DIRECTLY FROM THE MANHOLE, NOT THE INFLUENT PIPING TO THE GCTS.

CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

AOC 4 - WATER QUALITY RESULTS FOR MH-1, MH-2, CB-1, CB-2, CB-3 AND MH-7A

ARCADIS

FIGURE 21

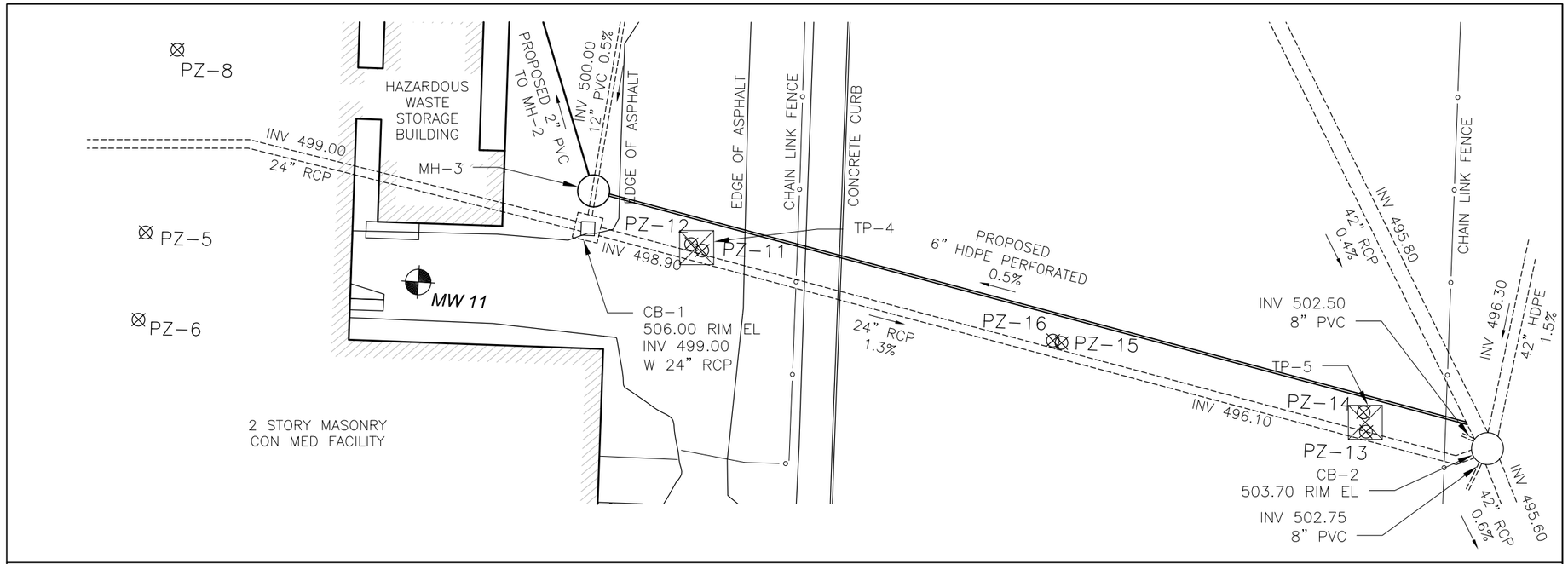


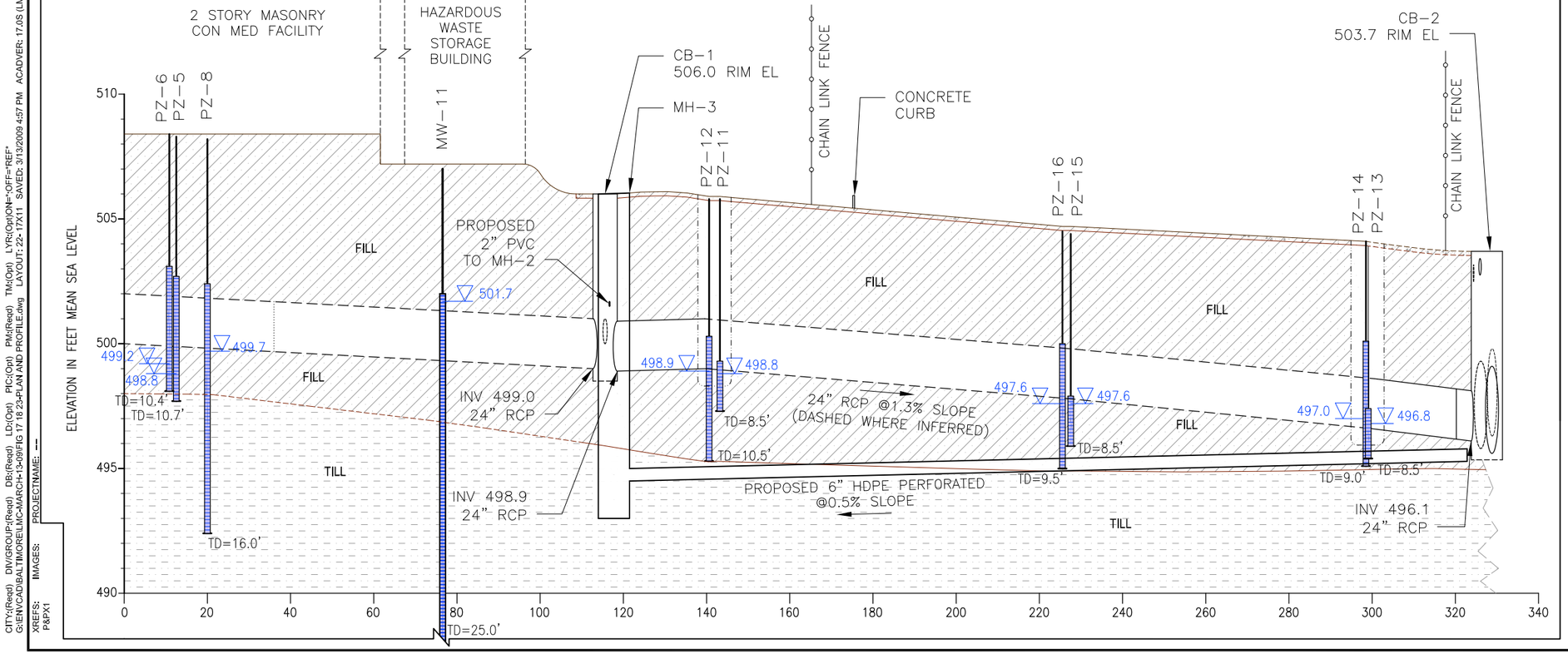
CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

STORMWATER COLLECTION SYSTEM AND GROUNDWATER COLLECTION AND TREATMENT SYSTEM

ARCADIS

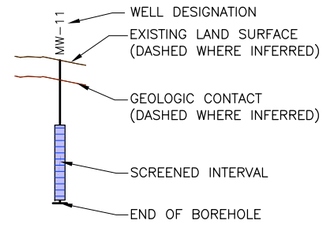
FIGURE
22





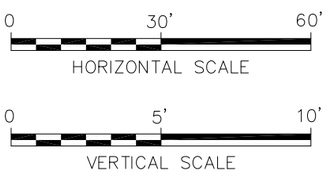
LEGEND:

- MW 11 — MONITORING WELL LOCATION
- PZ-5 — PIEZOMETER LOCATION
- 501.7 — GROUNDWATER LEVEL, 11/18/08
- TEST PIT LOCATION
- OUTLINE OF TEST PIT PROFILE
- FILL
- TILL



NOTE:

THE GROUNDWATER LEVEL WAS NOT RECORDED AT MW-5 IN NOVEMBER 2008 DUE TO WATER PONDING ABOVE THE TOP OF CASING OF THE WELL.



CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

AOC 4 - PLAN AND PROFILE OF NEWLY INSTALLED MH-3 AND GROUNDWATER COLLECTION TRENCH

ARCADIS

FIGURE
23

CITY:(Read) DIV/GROUP:(Read) DB:(Read) LD:(Opt) PIC:(Opt) PM:(Read) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
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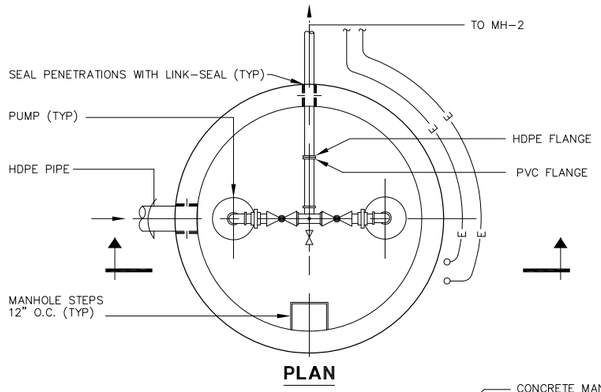
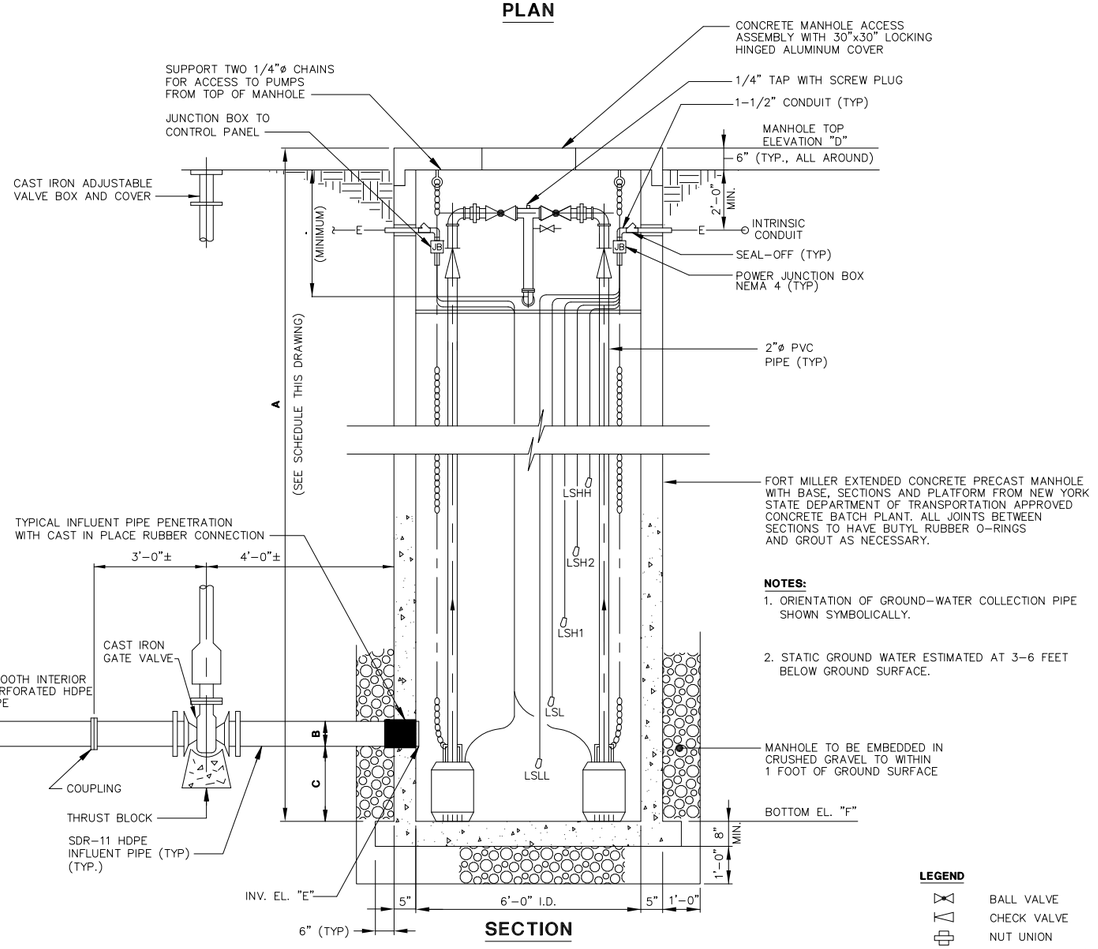
XREFS:
P&PX1
IMAGES:
PROJECTNAME: ---



PLAN



SECTION

PUMPING MANHOLE NO. 3 DETAIL

NOT TO SCALE

NOTES:

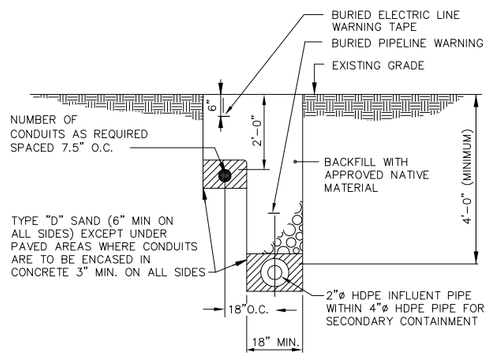
1. ORIENTATION OF GROUND-WATER COLLECTION PIPE SHOWN SYMBOLICALLY.
2. STATIC GROUND WATER ESTIMATED AT 3-6 FEET BELOW GROUND SURFACE.

LEGEND

- BALL VALVE
- CHECK VALVE
- NUT UNION
- SAMPLE/DRAIN TAP
- —E— POWER WIRING

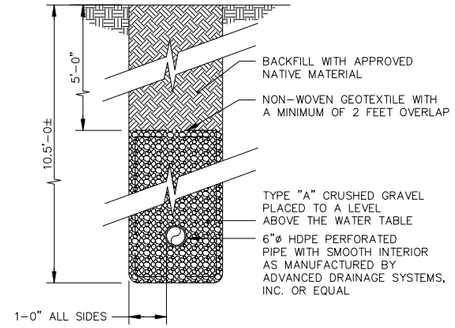
SPECIFICATIONS AND NOTES

1. ALL PVC PIPES SHALL BE SCHEDULE 80 TYPE II UNLESS OTHERWISE SPECIFIED.
2. ALL PVC JOINTS TO BE SOLVENT WELDED.
3. ALL CORRUGATED HDPE PIPE SHALL BE ADS N-12 SMOOTH INTERIOR OR EQUAL. ALL OTHER HDPE PIPE TO BE SDR-11 OR SDR-17 AS INDICATED.
4. ALL HDPE JOINTS TO BE BUTT FUSED.
5. ALL PIPE AND HOSE TO BE INSTALLED AND PRESSURE-TESTED AS PER MANUFACTURER'S SPECIFICATIONS. ZERO LEAKAGE IS ALLOWED FOR ALL JOINTS.
6. FLOW METERS SHALL BE CONSISTENT WITH WHAT IS ALREADY INSTALLED.
7. MANHOLE NO. 3 PUMPS SHALL BE GOULDS PUMPS MODEL 3887 WITH VITON SEALS AND CAST IRON IMPELLER (3/4 HP, 230 VOLTS, 1,750 RPM, 1 PHASE) CAPABLE OF 10 GPM @ 26 FEET TDH (ONE PUMP) AND 20 GPM @ 30 FEET TDH (TWO PUMPS) OR EQUAL.
8. NEW MANHOLE SHALL BE EXFILTRATION TESTED AS FOLLOWS: THE MANHOLE SHALL BE FILLED WITH POTABLE WATER FOR 8 HOURS AND WILL BE ACCEPTABLE IF, FOR A TWO-HOUR OBSERVATION PERIOD THE LEAKAGE RATE IN THE STRUCTURE IS BELOW ONE GALLON PER VERTICAL FOOT OF DEPTH OVER A CALCULATED 24-HOUR PERIOD, NO VISIBLE LEAKAGE OF ANY AMOUNT IS ACCEPTABLE.



TYPICAL TRENCH DETAIL FOR INFLUENT PIPE

NOT TO SCALE



TYPICAL TRENCH DETAIL FOR UNDER DRAIN

NOT TO SCALE

CORRECTIVE MEASURES STUDY REPORT
FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK

GROUNDWATER COLLECTION AND TREATMENT SYSTEM MH-3 DETAILS FOR EXPANSION OF THE GCTS SYSTEM

ARCADIS

FIGURE
24

CITY:MAHWAH DIV/GROUP:ENVCAD DB:JG LD:(Opt) PIC:(Opt) PM:(Req'd) TM:(Opt) LYR:(Opt)ON=*;OFF=*REF*
G:\ENVCAD\BALTIMORE\LMC-MARCH-13-09\FIG 24-Manhole 3 Details.dwg LAYOUT: 24 SAVED: 3/13/2009 1:30 PM ACADVER: 17.0S (LMS TECH) PAGESETUP:-- PLOTSTYLETABLE: PLTHALF.CTB PLOTTED: 3/13/2009 5:04 PM BY: GOFORTH, JOHN
XREFS: IMAGES: PROJECTNAME: --

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Appendices

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Appendix A

Soil Boring Logs - Exterior

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Sample/Core Log

Boring/Well B-1 Project/No. Lockheed Martin / NJ000630.0001 Page 1 of 2

Site Location Utica, NY Drilling Started 5/19/2008 Drilling Completed 5/20/2008

Total Depth Drilled 30 Feet Hole Diameter 8 inches Drilling Method Geoprobe/ Hollow Stem Auger

Length and Diameter of Coring Device 2'x2" (geoprobe 4' x 2") Type of Coring/Sampling Device macrocore/split spoon

Sampling Interval continuous feet Drilling Fluid Used None

Drilling Contractor Parratt Wolff

Prepared By KA

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description	PID (ppm)
0	2	1.3	geoprobe	0-0.3: Black top	0.0
				0.3-0.5: SAND F/C; some GRAVEL F,R-A; trace SILT; black-	
				brown, damp	
				0.5-0.9: SAND F/C; some GRAVEL F,R-A; trace SILT; brown	
				damp	
				0.9-1: SAND; and GRAVEL F,R-A; gray, damp	
				1-1.1: GRAVEL, M, A-R; some SILT and CLAY; brown,	
				damp	
				1.1-1.3: SAND,F/C; brown, moist	
2	4	0.8	geoprobe	0-0.4: SAND, F/C; some GRAVEL,F,R-A; trace SILT; gray brown,	0.0
				damp	
				0.4-0.8: SILT; and SAND, F/C; and GRAVEL, F/M, R-A; little CLAY	
				brown, moist	
4	6	1.5	geoprobe	0-0.5: SILT; and SAND, F/C; and GRAVEL, F/M, R-A; little CLAY	0.4
				brown, moist	
				0.5-0.8: SAND, F/C; little GRAVEL,F, R; moist to wet, brown	
				(~0.8 gray with a bit more GRAVEL)	
				0.8-1.5: SILT; some SAND,F/C; some GRAVEL, F-M, R-A; gray-	
				gray brown, wet	
6	8	1.8	geoprobe	0-0.5: SILT; some GRAVEL, M, R-A; trace SAND,F/C; gray, wet	0.0
				0.5-0.8: GRAVEL, F-M, R-A; and SILT; trace CLAY; moist, gray,	
				some brown.	
				0.8-1.8: SAND, F/C; some GRAVEL, F-M, R-SA; little SILT;	
				brown, no odor	
SWITCH to HOLLOW STEM AUGER					

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Boring/Well B-1 Page 2 of 2

Prepared by KA

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 Inches	Sample/Core Description	PID (ppm)
8	8.4	0.3	50/0.4	0-0.25: COBBLE; gray, dry	10.2
				0.25-0.3: SAND, F/C; some SILT; some GRAVEL, F, R-A; trace CLAY;	
				brown, wet	
10	10.1	0.25	50/0.1	SAND, F/C; and GRAVEL, R-A, broken up rock (2' boulder); gray, wet,	3.9
12	12.3	0.3	50/0.3	SILT; some SAND, F/C; some GRAVEL, F-M, R-SA; little CLAY; gray	3.0
				wet, dense	
14	14.4	0.2	50/0.4	SILT; some SAND, F/C; some GRAVEL, F-M, R-SA; little CLAY; gray	10.5
				wet, dense	
16	18	1.5	45,42,41,28	0-0.5: SILT; some SAND, F/C; some GRAVEL, F-M, R-SA; litle CLAY;	
				gray, wet, dense	
				0.5-1.5: SILT; some CLAY; little GRAVEL, F, R-A; gray, dense, dry,	0.0
				no odor	
18	20	1.8	65,57,39,28	0-0.2: SILT; and CLAY; trace SAND, C; dense, moist	2.6
				0.2-0.5: Cobble, gray, dry	
				0.5-1.8: SILT; little GRAVEL, R-SA; little CLAY; dense, gray, damp,	
				no odor	
20	22	1.3	25,25,31,29	0-0.5: SILT; some CLAY; little GRAVEL, R-SA, med. dense,	0.0
				damp, gray.	
				0.5-0.8: SILT; some CLAY; some GRAVEL, R-SA, med. dense, damp, gray	
				0.8-1.3: SILT; little CLAY; trace SAND, F; trace GRAVEL, R-A; medium	
				dense, gray, dry-damp; reddish, brown-black coloration @ ~1'	
22	22.9	0.5	84, 100/0.4	SILT; little CLAY; little GRAVEL, R-SA; very dense, dry, gray	0.0
24	24.3	0.5	100/0.3	SILT; little - some CLAY; little GRAVEL,F, R-SA; very dense, dry, gray	0.0
26	26.3	0.6	100/0.3	0-0.3: jagged, flat rock fragments, gray	
				0.3-0.6: SILT; some CLAY; little GRAVEL, F-M, A; dry, very dense, gray	0.0
28	28.4	0.75	100/0.4	shale bedrock fragments; trace SILT; trace CLAY; wet, gray	0.0
30	30.3	1	100/0.3	shale bedrock fragments; trace SILT; trace CLAY, wet, gray	

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Sample/Core Log

Boring/Well MW-13BR (B-2) Project/No. Lockheed Martin / NJ000630.0001

Site Location Utica, NY Drilling Started 5/19/2008 Drilling Completed 5/22/2008

Total Depth Drilled 45.5 Feet Hole Diameter 8 inches Drilling Method Geoprobe/ HSA/Mud Rotary

Length and Diameter of Coring Device 2'x2" (geoprobe 4' x 2") Type of Coring/Sampling Device macrocore/split spoon

Sampling Interval continuous feet Drilling Fluid Used Potable water

Drilling Contractor Parratt Wolff

Prepared By GM/KA

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description	PID (ppm)
0	2	0.6	geoprobe	SILT; some SAND, F; some CLAY; little GRAVEL, F, R-SA; brown,	10.0
				damp-moist	
2	4	1	geoprobe	SILT; some SAND, F; some CLAY; some GRAVEL, F, R-SA; brown,	8.1
				damp-moist	
4	6	1.1	geoprobe	SILT; some SAND, F; some CLAY; some GRAVEL, F, R-SA; brown,	
				some gray coloration, moist, trace bits of black plastic,	
				trace organic components,roots, poorly sorted	
6	8	1.3	geoprobe	0-0.6:SILT; some SAND, F; some CLAY; some GRAVEL, F, R-SA;	7.2
				brown,with gray tint, moist, trace bits of black plastic;	
				trace organic components,roots, poorly sorted, large black shiny cobble	
				0.6-1.3: SAND, F/C; and GRAVEL, F, R-A; wet, brown, no odor;	
				top more GRAVEL, bottom more F/M SAND	
8	10	1.5	geoprobe	0-0.5: SAND, F/M; some GRAVEL, F, R-A; wet, brown, no odor;	2.7
				0.5-1: GRAVEL, F/M, R-SA, wet, grayish brown	
				1-1.5: SILT; and SAND, F/M; some CLAY; little GRAVEL, F; wet, brown	
Geoprobe Refusal at 9.5					
10	12	1	4,7,10,9	0-0.2: SILT; some GRAVEL,F,R-A, little SAND, F; little CLAY; trace	1.2
				roots, black plastic; brown, moist, no odor, loose	
				0.2-0.5: CLAY; and SILT; trace GRAVEL, F, R-A; gray,	

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Boring/Well MW-13BR (B-2) Page 2 of 3

Prepared by KA/GM

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 Inches	Sample/Core Description	PID (ppm)
				moist, no odor, loose	
				0.5-1: CLAY; and SILT; red-brown color, moist, no odor, loose	
12	14	1.5	32,47,29,28	0.5-0.7: CLAY; and SILT; little GRAVEL,F,R-A; moist, dense,	0.0
				gray, no odor	
				0.7-1.4: CLAY; and SILT; some GRAVEL, F, R-A; some SAND @ 1.5	
				moist, dense, trace black plastic pieces, red-brown, no odor	
				1.4-2: SILT; and CLAY; some GRAVEL, F, R-A little SAND, F; moist	
				dense, red-brown color, no odor; strong red color @1.8-2	
14	16	0.8	21,32,22,27	0-0.8: SILT; some CLAY, little to some GRAVEL, F,R-SA; med. dense,	0.0
				gray, no odor, moist	
16	18	0.8	42,46,50,13	0-0.8: SILT; little GRAVEL, R, R-A; brown-gray, some red coloration	0.0
				dense, moist, no odor	
18	20	0	100/0.1	no recovery	-
20	22	1.4	23,49,46,40	0-0.8: SILT; and SAND, F; and GRAVEL, F, R-A, dense, gray, moist	0.0
				trace CLAY at 0, and 0.4-0.8	
				0.8-1.4: SILT; and SAND, F; and GRAVEL, F, R-SA; dense	
				brown-gray, trace red coloration, dry	
22	22.2	0.5	100/0.2	SILT; some SAND, F; some GRAVEL, F, A-SA; little CLAY; moist,	0.0
				very dense	
24	24.4	0.6	100/0.4	SILT; some SAND, F; little GRAVEL, F, R-SA; little CLAY; moist,	0.0
				very dense	
26	26.2	0.2	100/0.2	SILT; some GRAVEL, F, A-SA; little CLAY; damp, brown	0.0
				trace red coloration, very dense	

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Boring/Well MW-13BR (B-2) Page 3 of 3

Prepared by KA/GM

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 Inches	Sample/Core Description	PID (ppm)
28	28.9	1	78,100/0.4	0-0.25: SILT; some SAND, F; little GRAVEL, F,A-SA; very dense,	0.0
				brown, damp	
				0.25-0.5: Rock fragments, gray, dry, angular,	
				0.5-1: SILT ; and SAND, F; little GRAVEL, F, R-A; little CLAY; brown,	
				trace red coloration, damp, very dense	
30	30.8	1.4	99,100/0.2	1-1.2: SILT; and weathered BEDROCK fragments;gray, dry, very dense,	0.0
				1.2-1.4: BEDROCK fragments (SHALE), fine Gravel, gray,	
32	32.2	0	100/0.2	No recovery	
Drill down to 35', install Rock Socket/ 4" steel casing					
35	38.5	3.25	3-4min/ft	Competent Utica Black SHALE;	
				Natural fractures at 0.2, 0.3, 0.6, 0.95, 1.4, 1.8, 2.,3, 2.5	
				Sum RDD = 2.15; RQD% = 66%	
38.5	43.5	5.3	4 min./ft	Competent Utica Black SHALE;	
				Natural fractures at 0.4, 1.1, 1.7, 1.9, 2.05, 2.4, 3.8	
				Sum RDD = 4.9; RQD% = 92%	
43.5	45.5	2.1	4 min./ft	Competent Utica Black SHALE;	
				Natural fractures at 0.5, 0.8, 1.2, 1.7, 2.9	
				Sum RDD = 2.1; RQD% = 100%	

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Sample/Core Log

Boring/Well MW-14BR Project/No. Lockheed Martin / NJ000630.0001 Page 1 of 4

Site Location Utica, NY Drilling Started 5/27/2008 Drilling Completed 5/30/2008

Total Depth Drilled 67.7 Feet Hole Diameter 8 inches Drilling Method Hollow Stem Auger/ Mud Rotary

Length and Diameter of Coring Device 2'x2" Type of Coring/Sampling Device split spoon

Sampling Interval continuous feet Drilling Fluid Used Potable water

Drilling Contractor Parratt Wolff

Prepared By GM

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description	PID (ppm)
0	2	0.3	3,8,7,7	grass topsoil and roots; SILT; and SAND, very fine; damp, no odor	0.0
2	4	0.4	10,10,13,16	SILT; and SAND,F; and GRAVEL, F, R-SA; trace roots and grass; dry,	0.3
				brown, no odor, medium dense	
4	6	0.7	30,15,14,22	0-0.2: SILT; and SAND,F; and GRAVEL, F/M, R-SA; trace roots	0.0
				and grass; dry, brown, no odor, medium dense	
				0.2-0.7: SAND, F; and GRAVEL, F, R-SA; trace SILT; dry, no odor,	
				brown, red coloration at 0.7, medium dense	
6	8	1.4	23,15,14,22	0-0.7: SAND, F; little GRAVEL,F,R-SA; trace SILT; brown, no odor,	0.4
				medium.	
				0.7-1.4: SAND, F/C; and GRAVEL,F,R-SA; dry, brown, medium dense	
				pocket of red silt and clay at 1.4'	
8	10	1.7	24,37,25,16	0-0.2: SAND,F; and GRAVEL, F, R-SA; dry, brown, light brown,	0.4
				no odor, dense	
				0.2-0.8: SAND; and GRAVEL,F,A-SA; dry, brown-light brown,	
				no odor, dense	
				0.8-1.7: SAND; and GRAVEL,F,A-SA; dry, brown-light brown,	
				no odor; pocket of orange SAND,F @ 1.2; trace to little	
				SILT at bottom, damp @ 1.7, dense	
10	12	1.7	11,12,16,18	0-0.3: SAND,F; and SILT: some GRAVEL, F, R-SA; dry, brown,med.	0.2
				Dense	

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Boring/Well MW-14BR Page 2 of 4

Prepared by GM

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 Inches	Sample/Core Description	PID (ppm)
				0.3-0.9: SILT; some SAND,F; trace GRAVEL, F, R-SA, wet, med.dense,	
				brown	
				0.9-1.7: SILT; some CLAY; trace SAND,F; trace GRAVEL, F, A-SA; wet	
				medium dense, brown-gray	
12	14	1.3	17,50,32,33	0-0.5: SAND,F; and SILT; some GRAVEL, F, R-SA; dry, brown, dense	0.2
				0.5-0.8: SILT; some CLAY; trace SAND,F; trace GRAVEL, A-SA; wet,	
				dense, brown-gray	
				0.8-1.2: GRAVEL, and crushed fragments, F/M, A-SA, dry, gray	
				1.2-1.3: SILT; some CLAY; some SAND,F; some GRAVEL, A-SA; wet,	
				brown-gray, dense	
14	16	0.6	18,27,32,39	SILT; some CLAY; trace SAND,F; trace GRAVEL, A-SA; wet	0.2
				medium dense, brown-gray, no odor	
16	16.9	1.3	56,100/.4	0-0.8: SILT; some CLAY; trace GRAVEL,F, A-SA; very dense, dry,	1.0
				brown, no odor	
				0.8-1.3: SILT; and CLAY; some GRAVEL,M, A-SA, very dense, no odor	
				damp	
				Switch to Mud Rotary	
18	18.5	0.5	100/.5	CLAY; and SILT; some GRAVEL,F/M, A-SA, shale fragments;	10.0
				wet, brown, no odor, more rock at bottom, very dense	
20	22	0.5	100/0.4	CLAY; and SILT; some GRAVEL,F,A-SA; damp, brown, no odor	2.1
				very dense	
22	22.4	1.5	80/0.4	CLAY; and SILT; some GRAVEL,F,A-SA; damp, brown, no odor	3.5
				very dense	

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Boring/Well MW-14BR Page 3 of 4

Prepared by GM

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 Inches	Sample/Core Description	PID (ppm)
24	24.4	0.4	100/0.4	CLAY; and SILT; little GRAVEL,F,SA-SR; damp, brown, no odor	0.2
				very dense	
26	28	0.5	106/0.5	SILT; and CLAY; little GRAVEL,F,SA-SR; damp, brown-gray, no odor	0.3
				very dense	
28	29.4	1.1	65,89,100/.4	SILT; and CLAY; some GRAVEL,F,A-SA; damp, brown-gray, no odor	0.2
				very dense	
30	31.2	1.3	46,89,100/.2	SILT; and CLAY; some GRAVEL,F,A-SA; damp, brown-gray, no odor	0.3
				very dense; trace red/orange coloration	
32	34	1.7	65,69,82,89	SILT; and CLAY; some GRAVEL,F,A-SA; damp to dry, brown-gray,	0.2
				no odor, very dense; trace red/orange coloration	
34	36	1.7	46,49,68.82	SILT; and CLAY; some GRAVEL, F/M, A-SR; damp to dry, brown-gray	0.1
				no odor, very dense; little red coloration	
36	38	1.8	40,46,57,69	SILT; and CLAY; some GRAVEL, F/M, A-SR; damp to dry, brown-gray	0.1
				no odor, very dense; little red coloration	
38	40	1.3	30,42,54,62	SILT; and CLAY; some GRAVEL, F/M, A-SR; damp to dry, brown-gray	0.3
				no odor, dense; little red coloration; GRAVEL,F,SA, deposit @ 0.6	
				more CLAY at bottom	
40	42	1.8	10-17-42-150	CLAY; and SILT; trace GRAVEL, F,A-SR; damp, medium dense,	0.4
				no odor, gray-brown	
42	43	1	98-106	SILT; and SAND,F; some GRAVEL, F,SA-SR; damp, very dense,	0.3
				brown, no odor	
44	45.6	1.8	52,49,56,100/0.3	0-1.5: SILT; and SAND,C; some to little GRAVEL,F,SR-SA; brown-gray,	0.3
				damp, very dense, no odor, trace-little CLAY @ bottom, red coloration	
				throughout	
				1.5-1.8: SILT; and CLAY; some SAND,C; some GRAVEL, F, A-SR;	
				brown-gray, damp, very dense, no odor	

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Boring/Well MW-14BR Page 4 of 4

Prepared by GM

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 Inches	Sample/Core Description	PID (ppm)
46	46.8	1.3	90,100/.3	0-0.4: SILT; and CLAY; little SAND,C; little GRAVEL,F,A-SR; damp	9.5
				brown-gray, damp, very dense, no odor; more GRAVEL @ 0.4	
				0.4-1.3: SILT; and CLAY little GRAVEL,F,A-SR; trace SAND,F; damp,	
				brown-gray, very dense, no odor	
48	49.8	1.35	46,69,82,100/.3	SILT; and CLAY; some GRAVEL, F, SA-R; brown-gray, damp, no odor	7.5
				very dense	
50	52	1.2	25,39,99,86	0-0.5: SILT; and CLAY; little GRAVEL, F/M, SR-SA; trace SAND,F;brown-gra	2.5
				damp, no odor, very dense	
				0.5-0.8: GRAVEL,F/M, A-SA; some SILT; some CLAY; brown-gray	
				lower dense, damp, no odor	
52	52.2	0.1	200/0.2	SHALE bedrock fragments-jagged, flat, angular; black,	0.0
				no odor	
Drill down to 57', install Rock Socket/ 4" steel casing					
57.2	58.7	1.2	3 min/ft	Competent Utica Black SHALE;	
				Natural fractures at 0.55, 1.05	
				Sum RDD = 1.05; RQD% = 88%	
58.7	63.7	5	4 min/ft.	Competent Utica Black SHALE;	
				Natural fractures at 0.2, 0.9, 1.65	
				Sum RDD = 4.7; RQD% = 94%	
63.7	67.7	4.05	4 min/ft.	Competent Utica Black SHALE;	
				Natural fractures at 0.35, 1.65, 2.2, 2.45, 2.7, 3.0	
				Sum RDD = 3.4; RQD% = 84%	

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Sample/Core Log

Boring/Well MW-15BR Project/No. Lockheed Martin / NJ000630.0001 Page 1 of 3

Site Location Utica, NY Drilling Started 6/2/2008 Drilling Completed 6/4/2008

Total Depth Drilled 68.5 Feet Hole Diameter 8 inches Drilling Method Hollow Stem Auger/ Mud Rotary

Length and Diameter of Coring Device 2'x2" Type of Coring/Sampling Device split spoon

Sampling Interval continuous feet Drilling Fluid Used Potable water

Drilling Contractor Parratt Wolff

Prepared By GM

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description	PID (ppm)
0	2	0.9	5,9,12,16	0-0.7: grass, roots; SILT; some SAND, F; some GRAVEL,F,SR-SA;	0.0
				brown, dry - damp, no odor; trace yellow coloration, med. Dense	
				0.7-0.9: SILT; little SAND, C; some GRAVEL,F,SR-SA;	
				brown, dry - damp, no odor; trace yellow coloration, med. dense	
2	4	1.5	19,16,22,16	SILT; some SAND,F/M; some GRAVEL,F/M, SR-SA;dry, brown, no odor;	0.1
				more GRAVEL in top 0.35, trace rust coloration @ ~1, med. Dense	
4	6	1.2	27,25,28,34	SILT; and SAND,F/C; some GRAVEL,F/M, SR-SA; dry, no odor, brown,	0.1
				color variation:light-dark brown, trace red coloration, medium dense	
6	7.7	1.2	20,20,42,100/.2	SILT; and SAND,F/C; some GRAVEL,F/M, SR-SA; damp, dense	0.1
				no odor, brown, color variation:light-dark brown, trace red coloration	
8	10	1.6	51,46,28,22	0-1: SILT; some SAND,F; some GRAVEL,F, SR-SA; dry, brown,	0.1
				no odor, dense	
				1-1.6: SAND,F-C; and GRAVEL, F/C,SR-SA; little SILT, damp, brown,	
				no odor, dark brown deeper then 1.2, dense	
10	12	1.4	20,24,35,39	0-0.4: SILT; some SAND,F; some GRAVEL,F,SR-SA; dry,	0.2
				brown, no odor, medium dense	
				0.4-1.4: SAND,F/C; some GRAVEL, F/M, SA-S; little SILT; wet,	
				no odor, brown, red coloration @1.2, medium dense	
12	14	1.5	20,20,18,19	SAND;F/C; and GRAVEL,F/M,SR-SA; trace SILT; wet, med. dense	0.1
				no odor; brown; 0.7-1: yellowish orange colored layer	

ARCADIS

Boring/Well MW-15BR

Prepared by GM

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 Inches	Sample/Core Description	PID (ppm)
				1-1.5: more SAND,F; less GRAVEL then above,	
14	16	2	21,20,27,28	0-1.65: SAND,F/C; and GRAVEL,F,SA; wet med. dense, brown,	0.0
				no odor	
				1.65-2: SAND, very F; and SILT; wet, brown, med. dense, no odor	
16	18	2	13,20,29,32	1-1.7: SAND; F/C (F@ bottom, C@top); some SILT (more @ bottom);	0.0
				trace GRAVEL,F,SR-SA; wet, med. dense, no odor, brown	
				1.7-2: SAND, very F; and SILT; wet, med. dense, no odor, brown	
18	20	0.8	5,7,12,10	SAND;F/C; and GRAVEL,F/M,R-SA; loose, wet, brown, no odor	0.1
20	22	0.5	6,7,12,10	SILT; and CLAY; little GRAVEL,F,SR-SA; wet, brown-gray,	0.1
				loose, no odor	
22	24	0.6	40,54/.4	SILT; and CLAY; little GRAVEL,F,SR-SA; wet, brown-gray,	0.1
				dense, no odor	
24	24.5	0.5	103/.5	SILT; and CLAY; little GRAVEL,F,SR-SA; wet, brown-gray,	0.1
				very dense, no odor; large angular, flat piece of shale at end	
26	26.3	0.5	100/.3	SILT; and CLAY; little GRAVEL,F,SR-SA; wet, brown-gray,	0.1
				very dense, no odor	
28	28.6	1	56,100/.1	SILT; and CLAY; little GRAVEL,F,SR-SA; dry, brown-gray,	0.2
				very dense, no odor	
30	31.2	1.2	35,86,100/.4	SILT; and CLAY; little GRAVEL,F,SR-SA; dry, brown-gray,	0.0
				very dense, no odor; pocket of red-pink colored sand @ 0.8	
32	33.4	1.5	36,79,100/.4	SILT; and CLAY; little GRAVEL,F,SR-SA; dry, brown-gray,	0.0
				very dense, no odor	
34	34.5	0.2	100/.5	SILT; and CLAY; little GRAVEL,F,SR-SA; damp, brown-gray,	0.0
				very dense, no odor, rock at end	

ARCADIS

Boring/Well MW-15BR

Prepared by GM

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 Inches	Sample/Core Description	PID (ppm)
36	36.3	0.5	100/0.3	SILT; and CLAY; some GRAVEL (SHALE),F,SR-SA; damp, brown-gray,	0.0
				very dense, no odor,	
38	38.8	1.3	79,100/.3	SILT; and SAND, F; little GRAVEL, F, SR-SA; damp, very dense, brown,	0.0
				no odor	
40	40.3	1.3	100/.3	SILT; and CLAY; and SAND,F; little GRAVEL,F,SR-SA; damp,very dense	0.2
				brown-gray, brown, no odor	
				Switch to Mud Rotary	
42	42.2	0.5	150/.2	SILT; and CLAY; little GRAVEL,F, SR-SA; very dense, damp,	0.1
				no odor	
44	44.1	0.3	200/.1	SILT; and CLAY; some GRAVEL,F, SR-SA; very dense, damp,	0.1
				brown-gray, no odor	
46	46.2	0.8	150/.2	SILT; and CLAY; little GRAVEL,F, SR-SA; very dense, damp,	0.0
				brown-gray, no odor	
48	48.8	0.9	75,100/.3	SILT; and CLAY; little GRAVEL,F, SR-SA; very dense, damp,	0.0
				brown-gray, no odor	
50	50.7	1.2	91,100/.2	SILT; and CLAY; little GRAVEL,F, SR-SA; very dense, damp,	0.0
				brown-gray, no odor	
52	52.3	0.5	100/.3	SILT; and CLAY; some SHALE fragments, A; very dense, damp,	0.0
				brown-gray, no odor	
				Drill down to 58', install Rock Socket/ 4" steel casing	
58	59	0.9	3min/ft	Competent Utica Black SHALE;	
				Natural fractures at 0.4, 0.45, 0.7, 0.8	
				Sum RDD = 0.4; RQD% = 44%	
				* tight core, hard to get corer off rods, and remove core from corer	
				some fractures could have been mechanical	
59	64	4.95	4min/ft	Competent Utica Black SHALE;	
				Natural fractures at 0.43, 0.77, 1.35, 1.7, 2.0, 2.3, 2.6, 3.11, 3.15, 3.95,	
				4.05, 4.4, 4.85	
				Sum RDD = 3.8; RQD% = 77%	
64	68.5	4.95	4 min/ft	Competent Utica Black SHALE;	
				Natural fractures at 0.65, 1.1, 1.55, 2.18, 2.78, 3.35, 3.95, 4.35, 4.58	
				Sum RDD = 4.35; RQD% = 88%	

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Sample/Core Log

Boring/Well MW-13S Project/No. Lockheed Martin / NJ000630.0001 Page 1 of 1

Site Location Utica, NY Drilling Started 7/16/2008 Drilling Completed 7/16/2008

Total Depth Drilled 8 Feet Hole Diameter 8 inches Drilling Method Hollow Stem Auger

Length and Diameter of Coring Device 2'x2" Type of Coring/Sampling Device split spoon

Sampling Interval 5 feet Drilling Fluid Used Potable water

Drilling Contractor Parratt Wolff

Prepared By GM

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description	PID (ppm)
5	7	0.3		SILT ; and SAND, F; and GRAVEL, F-M, SR-SA; brown, dry, loose,	o
				no odor	

ARCADIS G&M

Sample/Core Log

Boring/Well MW-13T Project/No. Lockheed Martin / NJ000630.0001 Page 1 of 1

Site Location Utica, NY Drilling Started 7/16/2008 Drilling Completed 7/16/2008

Total Depth Drilled 20.5 Feet Hole Diameter 8 inches Drilling Method Hollow Stem Auger

Length and Diameter of Coring Device 2'x2" Type of Coring/Sampling Device split spoon

Sampling Interval 5 feet Drilling Fluid Used Potable water

Drilling Contractor Parratt Wolff

Prepared By GM

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description	PID (ppm)
5	7	0.1	1-1-4-2	SILT; and SAND, F; some GRAVEL; brown, dry, loose, no odor	0.0
				Rock stuck in nose	
10	12	1.2	5-9-50/.4	0-0.4: SAND,F; little GRAVEL, F, SR-SA; little SILT; moist, low dense	0.0
				to dense; no odor, brown with slight red tint	
				0.4-1.2: SILT ; little SAND, F; trace CLAY; trace GRAVEL, F, SR-SA;	
				brown gray; no odor, dense, moist.	
15	17	1	40-38-50/.4	SILT; some GRAVEL, F, SR-SA (some are black shale); little CLAY	0.0
				moist, dense, no odor, gray-brown, pocket of Angular F-M gravel at	
				0.2	
18	20	1	N/A	SILT; and SAND, F/very fine; and GRAVEL, F-M, SR-SA; little CLAY	0.0
				at bottom, trace CLAY at top; gray-brown, dense, moist, no odor,	
				trace pockets of red-pink colored very fine sand.	

ARCADIS G&M

Sample/Core Log

Boring/Well MW-14S Project/No. Lockheed Martin / NJ000630.0001 Page 1 of 1

Site Location Utica, NY Drilling Started 7/16/2008 Drilling Completed 7/16/2008

Total Depth Drilled 17 Feet Hole Diameter 8 inches Drilling Method Hollow Stem Auger

Length and Diameter of Coring Device 2'x2" Type of Coring/Sampling Device split spoon

Sampling Interval 5 feet Drilling Fluid Used Potable water

Drilling Contractor Parratt Wolff

Prepared By GM

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description	PID (ppm)
5	7	1.3	15-14-19-19	SAND, F-C; and GRAVEL, F-M, SR-SA; trace SILT; dry, light brown,	0.0
				loose, no odor, some red-brown staining, more SAND, C at bottom	
10	12	0.5	50/.4	SILT; and SAND, F; some GRAVEL, M, A-SA; dry, brown, loose,	0.0
				no odor, GRAVEL, M, A in nose, white-gray rock	
15	17	1	17-25-33-50/.3	0-0.3: SILT; and SAND, F; and GRAVEL, M, S-SA; moist, brown,	0.0
				loose-low dense; no odor	
				0.3-1.0: SILT; and CLAY; some GRAVEL, F-M; SR-SA; brown gray	
				to red-brown color; dense; no odor, moist	

ARCADIS G&M

Sample/Core Log

Boring/Well MW-15 S Project/No. Lockheed Martin / NJ000630.0001 Page 1 of 1

Site Location Utica, NY Drilling Started 7/17/2008 Drilling Completed 7/17/2008

Total Depth Drilled 20.5 Feet Hole Diameter 8 inches Drilling Method Hollow Stem Auger

Length and Diameter of Coring Device 2'x2" Type of Coring/Sampling Device split spoon

Sampling Interval 5 feet Drilling Fluid Used Potable water

Drilling Contractor Parratt Wolff

Prepared By GM

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description	PID (ppm)
				See MW-15BR log for geology	

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Test Pit Log

Test Pit: TP-1 | Project/No.: LMC Utica NJ000630 | Page 1 of 1

Site Location: Utica, New York | Area Location: Solvent Dock Area | Started: 4/29/2008 | Completed: 4/29/2008

Total Depth Excavated: 8 Feet | Pit Dimension (L x W): 3 x 7 Feet | Equipment: Excavator

Land-Surface Elev.: 507.5 feet | [ ] Surveyed | [X] Estimated | Datum: N/A

Excavation Contractor: Thew Associates | Equipment Operator: Bob Korosec

Prepared By: K. Arnold

Sample/Trench Depth (feet below land surface)

From	To	Sample/Trench Description	PID
0	0.3	Asphalt	0.2
0.3	0.5	SAND; and Gravel; Brown, wet. (FILL)	0.2
0.5	3.0	SILT; and Sand; and Gravel; Brown, no odors.	0.2
3.0	4.0	CLAY; and Silt; Gray. Mixed with Sand; and Gravel, f to m, rounded; Wet, brown, no odors.	0.5
4.0	4.5	CLAY; and Silt; Gray to dark gray, trace green. Mixed with SAND; and Gravel, f to m, rounded, Brown, wet. No odor.	0.5
4.5	7.5	Silt (Green); little Roots/Organics; little Cobbles; with Sand; Gravel, f to m (dark gray and brown), rounded to subangular; No odors. Water at 5 ft	0.5
7.5	8.0	SAND; and Gravel, f, rounded; Black, wet, no odors.	0.5

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Test Pit Log

Test Pit: TP-2 | Project/No.: LMC Utica NJ000630 | Page 1 of 1

Site Location: Utica, New York | Area Location: Solvent Dock Area | Started: 4/29/2008 | Completed: 4/29/2008

Total Depth Excavated: 8 Feet | Pit Dimension (L x W): 3 x 7 Feet | Equipment: Excavator

Land-Surface Elev.: 507.5 feet | [ ] Surveyed | [X] Estimated | Datum: N/A

Excavation Contractor: Thew Associates | Equipment Operator: Bob Korosec

Prepared By: K. Arnold

Sample/Trench Depth (feet below land surface)

From	To	Sample/Trench Description	PID
0	1.0	SAND; and Gravel, f to m, rounded; some Silt; little Clay; Brown, loose, damp, no odor. DEBRIS (garbage bags, large tree branches/wood, brick, concrete, black plastic, black sheeting	0.4
1.0	3.5	SILT; and Clay; Gray. Sand, and Gravel; Brown.	0.0
3.5	8.0	Sand and Gravel; Brown and gray, wet. Some Clay (gray, brown little black); with Roots.	0.5

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Test Pit Log

Test Pit: TP-3 | Project/No.: LMC Utica NJ000630 | Page 1 of 1

Site Location: Utica, New York | Area Location: Solvent Dock Area | Started: 4/29/2008 | Completed: 4/29/2008

Total Depth Excavated: 7 Feet | Pit Dimension (L x W): 3 x 7 Feet | Equipment: Excavator

Land-Surface Elev.: 504.8 feet | [ ] Surveyed | [X] Estimated | Datum: N/A

Excavation Contractor: Thew Associates | Equipment Operator: Bob Korosec

Prepared By: K. Arnold

Sample/Trench Depth (feet below land surface)

From	To	Sample/Trench Description	PID
0	0.5	Asphalt	0.0
0.5	2.5	SAND, f to c; and Gravel, f to m, rounded; Brown, loose, no odors.	0.0
2.5	5.0	SILT; little Clay; little Gravel, f, rounded; trace Silt (red); Low density, no odor, green/gray	0.5
5.0	6.0	SAND, f; and Silt (gray and black); Mixed with Sand (brown); and Gravel.	0.4
6.0	7.0	SAND, f; and Silt (gray and black); Mixed with Sand (brown); and Gravel.	0.0

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Test Pit Log

Test Pit: TP-4 (PZ-11 and PZ-12) | Project/No.: LMC Utica NJ000637.0001.00003 | Page 1 of 1

Site Location: Utica, New York | Area Location: Solvent Dock Area | Started: 11/3/2008 | Completed: 11/3/2008

Total Depth Excavated: 8.5 Feet | Pit Dimension (L x W): 8 x 8 Feet | Equipment: Rubber Track Mounted Excavator

Land-Surface Elev.: 505.9 feet | [x] Surveyed | [ ] Estimated | Datum: NAD 83

Excavation Contractor: Thew Associates | Equipment Operator: Bob Korosec

Prepared By: Jon Rocklin

Sample/Trench Depth (feet below land surface)

From	To	Sample/Trench Description	PID
0	5.5	FINES; with Sand, and Gravel; trace Cobbles; Orangish-brown; Fairly compacted from parking lot construction (FILL)	0.0
5.5	7.5	24" Reinforced Concrete Pipe (RCP)	0.0
7.5	8.5	FINES; with Sand, and Gravel; trace Cobbles; Orangish-brown; Water at 8 ft bgs. (FILL)	0.0

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Test Pit Log

Test Pit TP- 5 (PZ-13 and PZ-14) Project/No. NJ000637.0001.00003 Page 1 of 1

Site Location Utica, New York Area Location Solvent Dock Area Started 11/3/2008 Completed 11/3/2008

Total Depth Excavated 8.5 Feet Pit Dimension (L x W) 8 x 8 Feet Equipment Rubber Track Mounted Excavator

Land-Surface Elev. 504.1 feet [x] Surveyed [ ] Estimated Datum NAD 83

Excavation Contractor Thew Associates Equipment Operator Bob Korosec

Prepared By Jon Rocklin

Sample/Trench Depth (feet below land surface)

From	To	Sample/Trench Description	PID
0	5.5	FINES; with Sand, and Gravel; trace Cobbles; Medium brown (FILL).	0.0
6.0	8.0	24" Reinforced Concrete Pipe (RCP). Water 7.5 to 8 ft bgs	0.0

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Soil Boring Log

Test Pit PZ-15 Project/No. LMC Utica NJ000637.0001.00003 Page 1 of 1

Site Location Utica, New York Drilling Started 11/4/2008 Drilling Completed 11/4/2008

Total Depth Drilled 8 Feet Area Location Solvent Dock Area Type of Sample/ Coring Device Geoprobe

Length and Diameter of Coring Device 4 ft x 2 inches Sampling Interval 4 feet

Land-Surface Elev. 504.7 feet [X] Surveyed [ ] Estimated Datum NAD 83

Drilling Fluid Used None Drilling Method Geoprobe

Drilling Contractor Thew Associates & ATL Drilling Driller Justin Solua

Prepared By Jon Rocklin

Sample/Core Depth (feet below land surface)

From	To	Recovery	Interval	Sample/Core Description	PID (ppm)
0	4	2.2	0-0.3	ASPHALT	0.0
			0.3-1.8	SAND, fine to medium; and Gravel; some Silt; trace Clay; Brown.	0.0
			1.8-3.1	SILTY CLAY; some Gravel; Dark Brown, Compact.	0.0
			3.1-4.0	SAND, fine to medium; some Gravel; Brown.	0.0
4	8	2.0	4-5.2	SAND, fine to medium; and Gravel; some Silt; Brown, moist	0.0
			5.2-7.0	SAND, fine to medium; Brown, wet. WATER.	0.0
			7.0-8.0	SAND; and Gravel (TILL); Brown, wet, compact.	0.0

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Soil Boring Log

Test Pit PZ-16 Project/No. LMC Utica NJ000637.0001.00003 Page 1 of 1

Site Location Utica, New York Drilling Started 11/4/2008 Drilling Completed 11/4/2008

Total Depth Drilled 8 Feet Area Location Solvent Dock Area Type of Sample/ Coring Device Geoprobe

Length and Diameter of Coring Device 4 ft x 2 inches Sampling Interval 4 feet

Land-Surface Elev. 504.7 feet [X] Surveyed [ ] Estimated Datum N/A

Drilling Fluid Used None Drilling Method Geoprobe

Drilling Contractor Thew Associates & ATL Drilling Driller Justin Solua

Prepared By Jon Rocklin

Sample/Core Depth (feet below land surface)

From	To	Recovery	Interval	Sample/Core Description	PID (ppm)
0	4	2.2	0-0.3	ASPHALT	0.0
			0.3-1.8	SAND, fine to medium; and Gravel; some Silt; trace Clay; Brown.	0.0
			1.8-3.1	SILTY CLAY; some Gravel; Dark Brown, Compact.	0.0
			3.1-4.0	SAND, fine to medium; some Gravel; Brown.	0.0
4	8	1.3	4-6.1	SAND, fine to medium; and Gravel; Brown, wet. WATER	0.0
			6.1-8.0	TILL; Clay; and Gravel; Very compact, Dark red color.	0.0

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Appendix B

Soil Boring Logs - Interior

ARCADIS G&M

Sample/Core Log

Boring/Well IB-1 Project/No. NJ000630.0001.0002A Page 1 of 1

Site Location Utica, NY Drilling Started 7/21/2008 Drilling Completed 7/21/2008

Total Depth Drilled 10 Feet Hole Diameter 4 inches Drilling Method mud rotary (28/8 Roller Bit)

Length and Diameter of Coring Device 2'x2'' Type of Coring/Sampling Device split spoon (140lb. Hammer)

Sampling Interval continuous feet Drilling Fluid Used potable water

Drilling Contractor Parratt Wolff

Soil Samples: VOCs

Prepared By GM

Fill: IB-1 (2-4')

Till: IB-1 (6-8')

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description	PID (ppm)
0	0.5	0.5	-	cement slab	
0.5	2	0.5	30,50/.4	GRAVEL, F-M, SR-SA; some SAND, C; trace to little SILT (more at	0.0
				bottom); , brown, damp, no odor, dense	
2	4	0.8	32,19,19,32	SILT; and SAND, F; and GRAVEL, F-M, SR-SA; brown, damp	0.0
				no odor, medium dense	
4	6	1.2	14,19,18,32	SILT; some GRAVEL, F-M (mostly Fine),SR-SA; trace SAND, F; dark	0.0
				brown-gray (some red patches/spots), moist, no odor, med. dense	
6	8	0.8	18,26,27,45	SILT; little GRAVEL, F, SR-SA; little CLAY; trace SAND, F; med.dense	0.0
				dark brown-gray, moist, slight odor, 0-0.2 more GRAVEL, F-M, A	
8	10	0	55,20,37,45	No Recovery, rock in shoe	
10	12	0	17,50/.3	No recovery	

ARCADIS G&M

Sample/Core Log

Boring/Well IB-2 Project/No. NJ000630.0001.0002A Page 1 of 1

Site Location Utica, NY Drilling Started 7/22/2008 Drilling Completed 7/22/2008

Total Depth Drilled 8 Feet Hole Diameter 4 inches Drilling Method mud rotary (28/8 Roller Bit)

Length and Diameter of Coring Device 2'x2" Type of Coring/Sampling Device split spoon (140lb. Hammer)

Sampling Interval continuous feet Drilling Fluid Used potable water

Drilling Contractor Parratt Wolff

Soil Samples: VOCs

Prepared By GM

Fill: IB-2 (0.75-1.75)

Till: IB-2 (8-8.5)

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description	PID (ppm)
0	0.8	0.8	-	Concrete slab- went through part of copper grounding grid	
0.8	1.8	0.8	35 50/.5	SILT; and GRAVEL, F-M, S-SA; and SAND, F-C; brown, damp	0.4
				no odor, dense	
2	2.2	0	50/.2	No Recovery	
4	5.3	0.3	50,41,50/.3	SILT; and GRAVEL, F, SR-SA; some CLAY; brown with red patches,	0.0
				dense, no odor, moist	
6	6.2	0	100/.2	No Recovery, GRAVEL -F, SR-SA in shoe	-
8	8.5	0.5	100/.5	SILT; some CLAY; some GRAVEL, F, SR-SA; brown-gray with red	0.0
				tints, dense, no odor, moist	

ARCADIS G&M

Sample/Core Log

Boring/Well IB-3/ PZ-8 Project/No. NJ000630.0001.0002A Page 1 of 2

Site Location Utica, NY Drilling Started 7/24/2008 Drilling Completed 7/25/2008

Total Depth Drilled 16 Feet Hole Diameter 4 inches Drilling Method mud rotary (28/8 Roller Bit)

Length and Diameter of Coring Device 2'x2'' Type of Coring/Sampling Device split spoon (140lb. Hammer)

Sampling Interval continuous feet Drilling Fluid Used potable water

Drilling Contractor Parratt Wolff Soil Samples: VOCs

Prepared By GM Fill: IB-3 (8-10')
Till: IB-3 (16-16.2')

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description	PID (ppm)
0	0.7	0.7	-	Concrete Slab	-
0.7	0.9	-	-	GRAVEL --> top of a tile floor	-
0.9	2.5	1.6	-	Concrete Slab	-
2.5	4	0.6	8,10,8	GRAVEL, F-M, SR-SA; some SAND, F-C; little SILT; wet,	0.0
				brown , no odor, loose	
4	6	0.4	7,8,12,18	GRAVEL; F-M, SR-SA; little SAND, F-C; little SILT; wet and loose	0.0
				brown, no odor, loose	
6	8	0.9	40,50,34,32	SAND, F-C; and GRAVEL, F-M, SR-SA; trace SILT; wet, brown	0.0
				no odor, dense	
8	10	1	10,15,30,45	SAND, F-C; and GRAVEL, F, SR-SA; trace GRAVEL, M, SR-SA; wet,	0.0
				brown, no odor, med. Dense	
10	12	1.2	27,40,47,49	0-0.2: GRAVEL, F, SR-SA; some SAND, F-C; trace SILT; trace CLAY;	1.2
				brown, wet, no odor, dense	
				0.2-0.5: SILT; and GRAVEL, F, SR-SA; and SAND; F-C; wet, low	
				brown, no odor, dense	
				0.5-0.6: GRAVEL, F, SR-SA; some SAND, F-C; trace SILT; trace CLAY;	
				brown, wet, no odor, dense	
				0.6-1.2: SILT; and CLAY; some to little GRAVEL, F, SR-SA; trace	
				SAND, F; wet, dense, gray-some red patches/tints, no odor	

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Sample/Core Log (Cont.d)

Boring/Well IB-3/ PZ-8 Page 2

Prepared by GM

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description	PID (ppm)
12	12.4	0	50/.4	No recovery	0.0
14	14.3	0.2	100/.3	1 large piece of gravel: GRAVEL, M, SA, then	
				SILT; and CLAY; wet, very dense, brown-gray with brown red tint, no	0.0
				odor	
16	16.2	0.4	100/.2	SILT; and CLAY; some GRAVEL, F-M, S-SA; wet, very dense,	
				brown-gray with brown red tint, no odor	0.1

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Sample/Core Log

Boring/Well IB-4 Project/No. NJ000630.0001.0002A Page 1 of 1

Site Location Utica, NY Drilling Started 7/28/2008 Drilling Completed 7/28/2008

Total Depth Drilled 12 Feet Hole Diameter 4 inches Drilling Method mud rotary (28/8 Roller Bit)

Length and Diameter of Coring Device 2'x2" Type of Coring/Sampling Device split spoon (140lb. Hammer)

Sampling Interval continuous feet Drilling Fluid Used potable water

Drilling Contractor Parratt Wolff

Soil Samples: VOCs

Prepared By GM

Fill: IB-4 (2-2.4')
Till: IB-4 (6-6.8')

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description	PID (ppm)
0	1	1	-	Cement Slab	-
1	1.4	0.3	50/.4	GRAVEL, C, A-SA; some SILT; trace SAND, F-C; Dry,	0.4
				brown, no odor, dense	
2	2.4	0.4	100/.2	SAND, F-C; some GRAVEl, F, SR-SA; trace SILT; moist,	0.6
				brown, no odor, very dense	
4	5.3	0.2	32,36,50/.3	GRAVEL, F, SR-SA in shoe	0.6
				SILT; some CLAY; moist, dense, brown-gray; no odor, dense	
6	6.8	0.4	50,50/.3	SILT; trace SAND,F-C; trace CLAY; moist, very dense, brown-gray,	0.8
				no odor	
8	8.3	0	100/.3	No Recovery----- Very dense, hard drilling	-
10	10.3	0	100/.3	No Recovery----- Very dense, hard drilling	-
12	12.1	0.1	100/.3	SILT; and CLAY; little GRAVEL, F, SR-SA; moist, very dense,	0.6
				brown-gray red tint; no odor	

ARCADIS G&M

Sample/Core Log

Boring/Well IB-5/PZ-9 Project/No. NJ000630.0001.0002A Page 1 of 1

Site Location: Utica, NY

Drilling Started: 7/29/2008 Drilling Completed: 7/29/2008

Total Depth Drilled: 10 Feet Hole Diameter: 4 inches Drilling Method: mud rotary (28/8 Roller Bit)

Length and Diameter of Coring Device: 2'x2" Type of Coring/Sampling Device: split spoon (140lb. Hammer)

Sampling Interval: continuous feet Drilling Fluid Used: potable water

Drilling Contractor: Parratt Wolff

Soil Samples: VOCs

Prepared By: GM

Fill: IB-5 (1.3-1.7')

Till: IB-5 (6-8')

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description	PID (ppm)
0	1.3	1.3	-	Cement Slab	-
1.3	1.7	0.3	-	SAND, F-C; some GRAVEL, F-M, SA-S; little SILT; dry,	0.6
				brown, no odor	
2	2.2	0	50/.2	No recovery	-
4	4.9	0.3	36,50/.4	SAND, C; and GRAVEL, F-M, SR-SA; trace SILT; moist, brown,	0.6
				no odor, dense	
				in Shoe: SILT, trace SAND, F; some GRAVEL, F-M, SR-SA, moist,	
				dense, brown-gray, red tints, no odor	
6	8	0.5	30,46,40,30	SILT; some GRAVEL, F-M, SR-SA; little SAND, F-C; moist	0.6
				dense, brown-gray, red tints, no odor	
8	8.4	0.2	50/.4	SILT; and CLAY; some GRAVEL, F-M; SR-SA; trace SAND, F; moist,	0.1
				dense, gray with tints, no odor	
10	-	0	100/0	No recovery	

ARCADIS G&M

Sample/Core Log

Boring/Well IB-6 Project/No. NJ000630.0001.0002A Page 1 of 1

Site Location Utica, NY Drilling Started 7/30/2008 Drilling Completed 7/30/2008

Total Depth Drilled 8 Feet Hole Diameter 4 inches Drilling Method mud rotary (28/8 Roller Bit)

Length and Diameter of Coring Device 2'x2" Type of Coring/Sampling Device split spoon (140lb. Hammer)

Sampling Interval continuous feet Drilling Fluid Used potable water

Drilling Contractor Parratt Wolff

Prepared By GM

Soil Samples: VOCs

Fill: IB-6 (2-2.4')

Till: IB-6 (8-8.9')

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description	PID (ppm)
0	0.7	0.6	-	Concrete Slab	
0.7	1.1	0.2	50/.4	GRAVEL, F-M, SA-S; and, SAND, F-C; and SILT; dry,	1.1
				brown, no odor, dense	
2	2.4	1.4	50/.4	GRAVEL, F-M S-SA; some SAND, F; little SILT; trace CLAY; moist	0.5
				brown-gray; no odor, dense	
4	4.8	0.3	30,50/.3	SILT; and CLAY; some GRAVEL, F-M, SR-SA; little to some SAND, F;	1.1
				moist, dense, brown-gray, no odor	
6	6.3	0	50/.3	No recovery	1.0
8	8.9	0.4	40,50/.4	SILT; and CLAY; some GRAVEL, F-M, SR-SA; little to some SAND, F;	1.1
				moist, dense, brown-gray with red tints, no odor	

ARCADIS G&M

Sample/Core Log

Boring/Well IB-7/PZ-10 Project/No. NJ000630.0001.0002A Page 1 of 1

Site Location Utica, NY Drilling Started 7/31/2008 Drilling Completed 7/31/2008

Total Depth Drilled 12.3 Feet Hole Diameter 4 inches Drilling Method mud rotary (28/8 Roller Bit)

Length and Diameter of Coring Device 2'x2'' Type of Coring/Sampling Device split spoon (140lb. Hammer)

Sampling Interval continuous feet Drilling Fluid Used potable water

Drilling Contractor Parratt Wolff

Soil Samples: VOCs

Prepared By GM

Fill: IB-7 (4-4.4')

Fill2: IB-7 (8-8.9')

Sample/Core Depth (feet below land surface) From	To	Core Recovery (feet)	Time/Hydraulic Pressure or Blows per 6 inches	Sample/Core Description	PID (ppm)
0	0.6	0.6	-	Concrete Slab	
0.6	0.9	0.3	50/.3	GRAVEL, F-M, SR-S; and SAND, F; and SILT; moist, brown,	0.9
				odor-chemical/sweet odor , dense	
2	2.4	0.3	50/.4	GRAVEL, F-M, SR-S (mostly fine); and SAND, F-C; some to little	0.6
				SILT; moist to dry, brown, same odor as above, dense	
4	4.4	0.4	50/.4	SILT; and SAND, F; little GRAVEL, F-M, SR-S; dry, brown,	0.5
				same odor as above, dense	
6	6.4	0.3	50/.4	SAND, F-C; GRAVEL, F, SR-S; little SILT; trace CLAY; moist,	0.8
				brown, same odor as above, dense	
8	8.9	0.3	40,50/.4	GRAVEL, F-M, SR-S; and SAND, F-C; moist, loose, brown,	0.5
				same odor as above, dense	
10	10.4	0.3	50/.4	weathered black shale rock, jagged, flat pieces (bedrock?)	0.5
				wet, no odor, dense	
				Rotary through rock, very slow	
12	-	0	50/0	spoon bounces	-
12.3	-	0	50/0	spoon bounces	-
				Fill material is better sorted, and more uniform than seen in	
				other borings (especially GRAVEL).	

ARCADIS

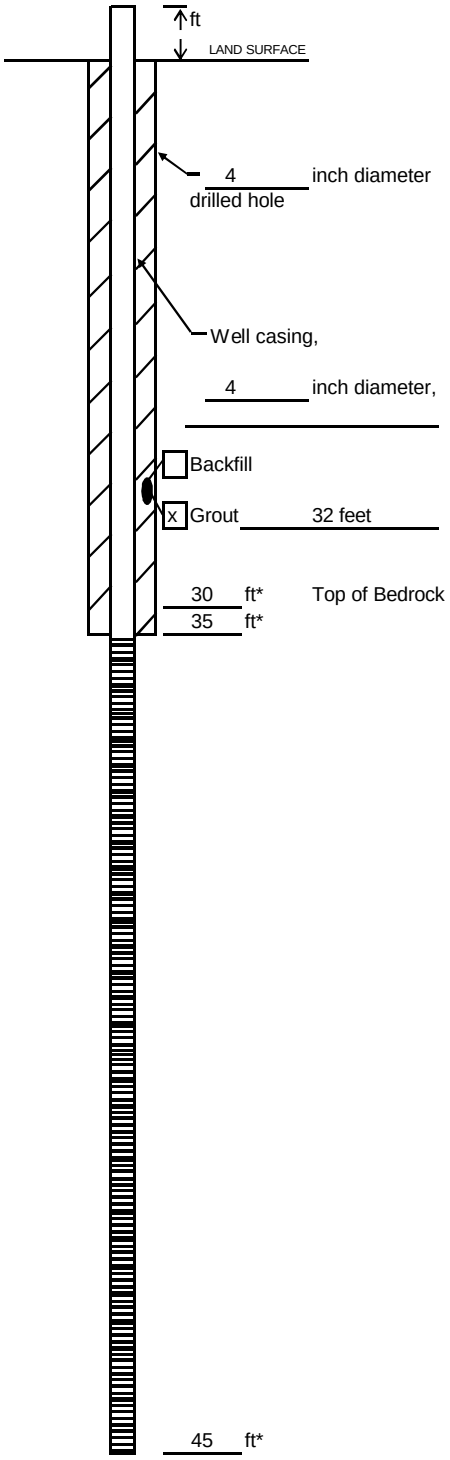
Appendix C

Monitoring Well and Piezometer Construction Logs

ARCADIS G&M

Well Construction Log

(Bedrock)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project LMC:NJ000630.0001 Well MW-13BR

Town/City Utica, NY

County Oneida State NY

Permit No.

Land-Surface Elevation and Datum:

506.5 feet [X] Surveyed [ ] Estimated

Installation Date(s) 5/19/08-5/22/08

Drilling Method Hollow Auger/Mud Rotary

Drilling Contractor Parratt Wolff

Drilling Fluid potable water

Development Technique(s) and Date(s)

Submersible pump 7/21/2008

Fluid Loss During Drilling N/A gallons

Water Removed During Development 12 gallons

Static Depth to Water 40.76 feet below M.P.

Pumping Depth to Water 42.4 feet below M.P.

Pumping Duration 0.66 hours

Yield N/A gpm Date

Specific Capacity N/A gpm/ft

Well Purpose GW sampling

Fracture Zones N/A

Remarks

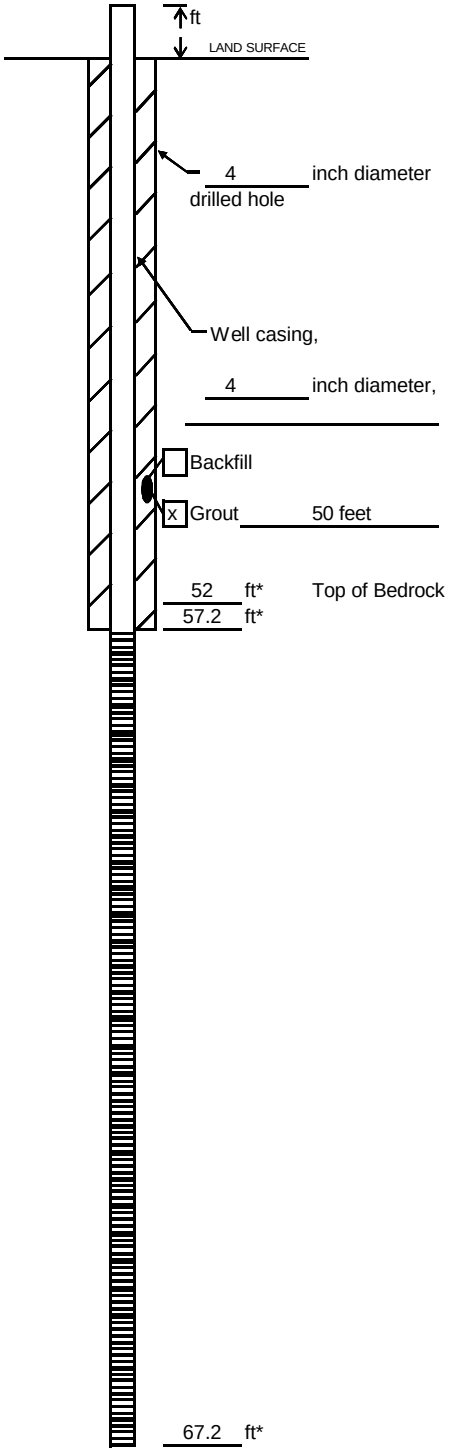
well screen 35-45; sand 34-45, bent. 34-32, grout to top

Prepared by GM

ARCADIS G&M

Well Construction Log

(Bedrock)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project LMC:NJ000630.0001 Well MW-14BR

Town/City Utica, NY

County Oneida State NY

Permit No.

Land-Surface Elevation and Datum:

508.2 feet [X] Surveyed [ ] Estimated

Installation Date(s) 5/19/08-5/22/08

Drilling Method Hollow Auger/Mud Rotary

Drilling Contractor Parratt Wolff

Drilling Fluid potable water

Development Technique(s) and Date(s)

Submersible pump 7/21/2008

Fluid Loss During Drilling N/A gallons

Water Removed During Development 23.5 gallons

Static Depth to Water 8.01 feet below M.P.

Pumping Depth to Water 23.5 feet below M.P.

Pumping Duration 2 hours

Yield N/A gpm Date

Specific Capacity N/A gpm/ft

Well Purpose GW sampling

Fracture Zones N/A

Remarks

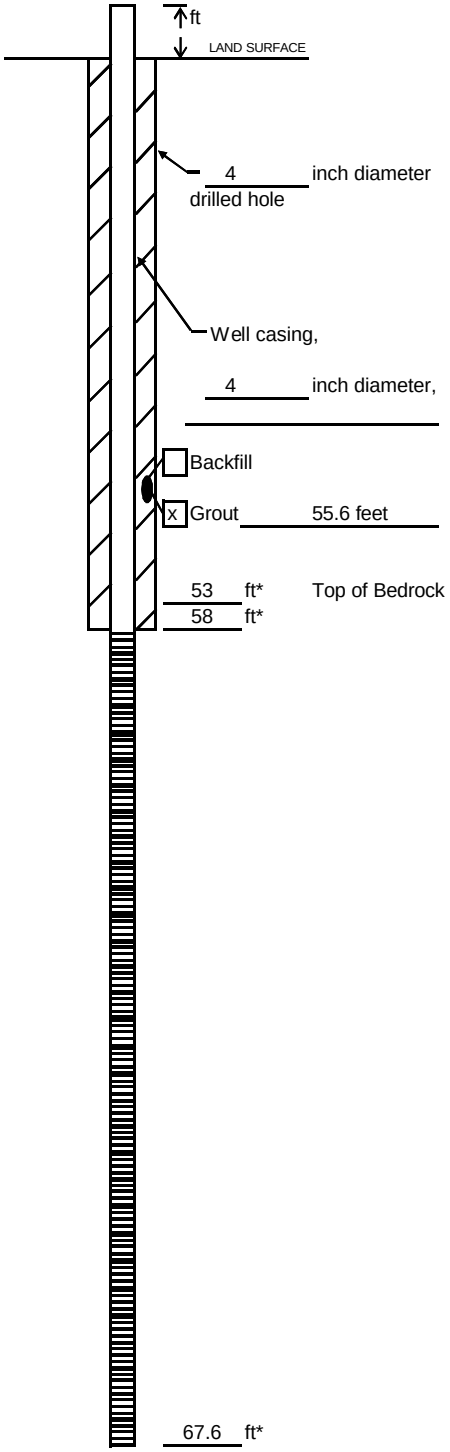
well screen 57.2-67.2; sand 67.7-55, bent. 49.8-55, grout to top

Prepared by GM

ARCADIS G&M

Well Construction Log

(Bedrock)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project LMC:NJ000630.0001 Well MW-15BR

Town/City Utica, NY

County Oneida State NY

Permit No.

Land-Surface Elevation and Datum:

507.5 feet [X] Surveyed

[ ] Estimated

Installation Date(s) 5/19/08-5/22/08

Drilling Method Hollow Auger/Mud Rotary

Drilling Contractor Parratt Wolff

Drilling Fluid potable water

Development Technique(s) and Date(s)

Submersible pump 7/21/2008

Fluid Loss During Drilling N/A gallons

Water Removed During Development 13 gallons

Static Depth to Water 5.57 feet below M.P.

Pumping Depth to Water 61.1 feet below M.P.

Pumping Duration 2 hours

Yield N/A gpm Date

Specific Capacity N/A gpm/ft

Well Purpose GW sampling

Fracture Zones N/A

Remarks

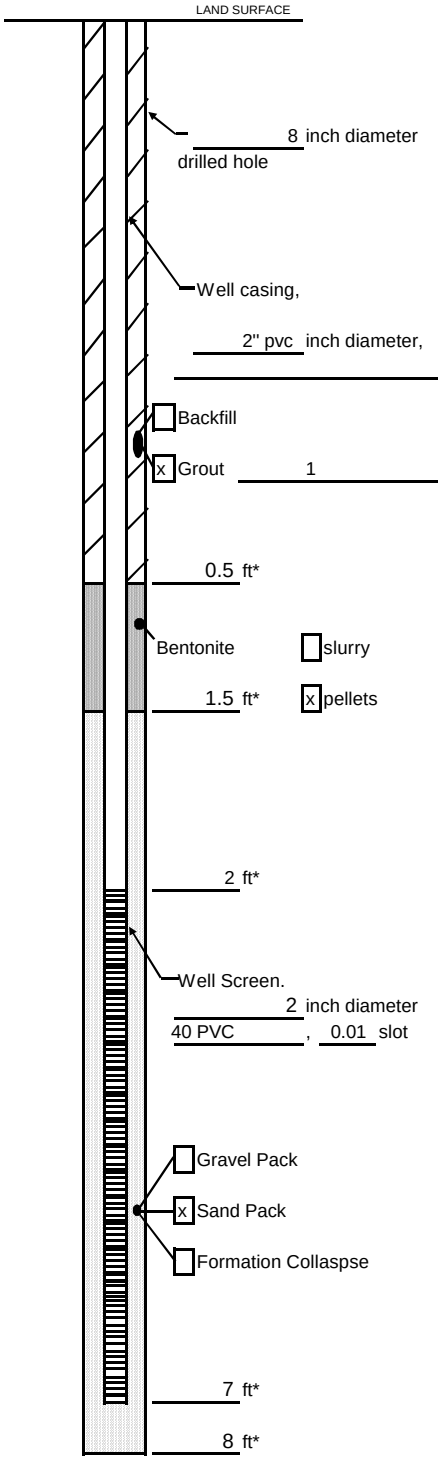
well screen 57.6-67.6; sand 68.5-55.6, bent. 52-55.6, grout to top

Prepared by GM

ARCADIS G&M

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project LMC-Utica Well MW-13S

Town/City Utica, NY

County Oneida State NY

Permit No.

Land-Surface Elevation and Datum:

506.3 feet [X] Surveyed

[ ] Estimated

Installation Date(s) 7/16/2008

Drilling Method Hollow Stem Auger

Drilling Contractor Parratt Wolff

Drilling Fluid N/A

Development Technique(s) and Date(s)

Submersible pump 7/21/2008

Fluid Loss During Drilling N/A gallons

Water Removed During Development 12 gallons

Static Depth to Water 40.76 feet below M.P.

Pumping Depth to Water 42.4 feet below M.P.

Pumping Duration 0.66 hours

Yield N/A gpm Date

Specific Capacity N/A gpm/ft

Well Purpose GW sampling

N/A

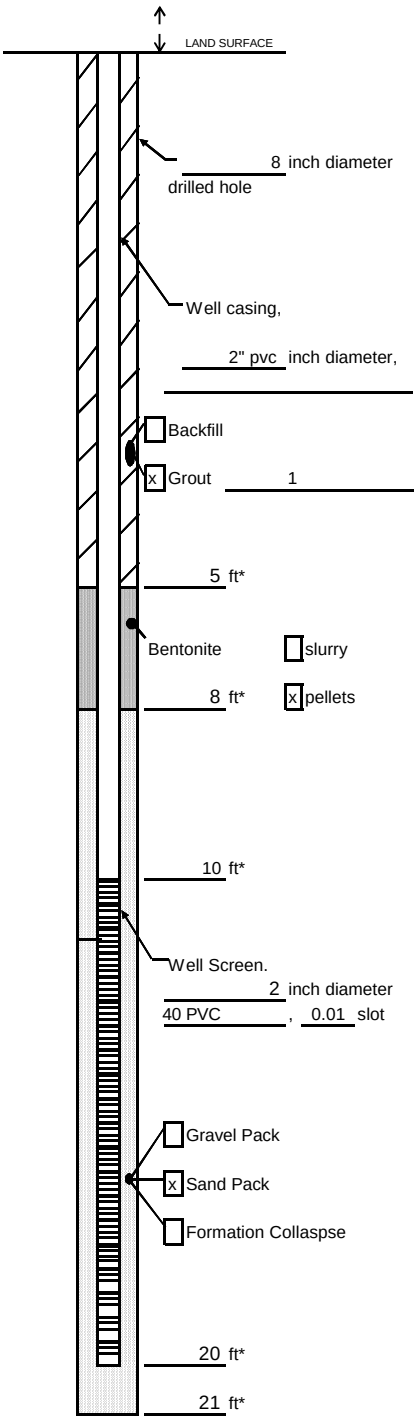
Remarks

Prepared by GM

ARCADIS G&M

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project LMC-Utica Well MW-13T

Town/City Utica, NY

County Oneida State NY

Permit No.

Land-Surface Elevation and Datum:

506.1 feet [X] Surveyed

[ ] Estimated

Installation Date(s) 7/16/2008

Drilling Method Hollow Stem Auger

Drilling Contractor Parratt Wolff

Drilling Fluid N/A

Development Technique(s) and Date(s)

N/A

Fluid Loss During Drilling N/A gallons

Water Removed During Development N/A gallons

Static Depth to Water N/A feet below M.P.

Pumping Depth to Water N/A feet below M.P.

Pumping Duration N/A hours

Yield N/A gpm Date

Specific Capacity N/A gpm/ft

Well Purpose GW sampling

N/A

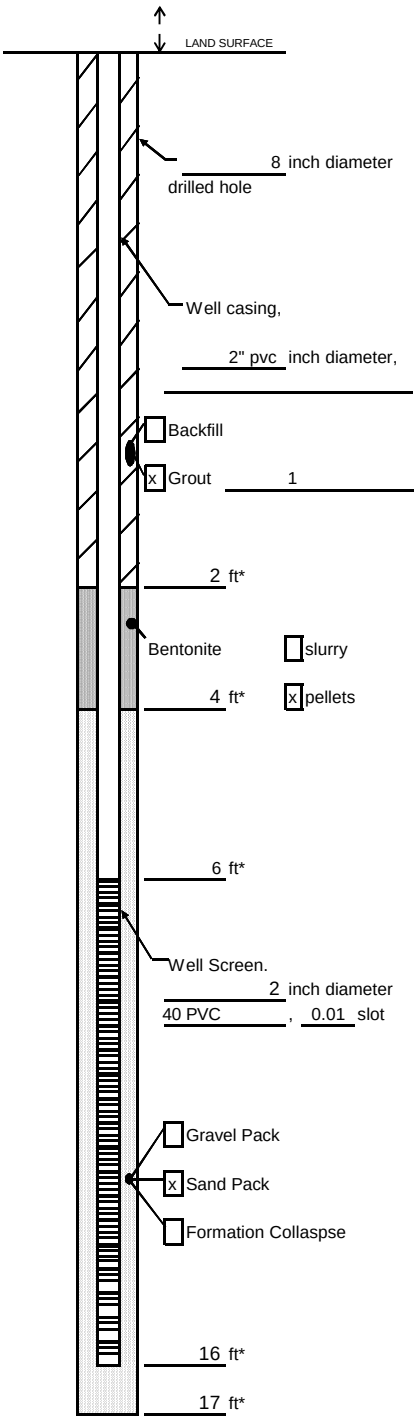
Remarks

Prepared by GM

ARCADIS G&M

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project LMC-Utica Well MW-14S

Town/City Utica, NY

County Oneida State NY

Permit No.

Land-Surface Elevation and Datum:

508.2 feet [X] Surveyed

[ ] Estimated

Installation Date(s) 7/17/2008

Drilling Method Hollow Stem Auger

Drilling Contractor Parratt Wolff

Drilling Fluid

Development Technique(s) and Date(s)

Submersible pump 7/21/2008

Fluid Loss During Drilling N/A gallons

Water Removed During Development 1 gallons

Static Depth to Water 10.51 feet below M.P.

Pumping Depth to Water 15.45 feet below M.P.

Pumping Duration 2 hours

Yield N/A gpm Date

Specific Capacity N/A gpm/ft

Well Purpose GW sampling

N/A

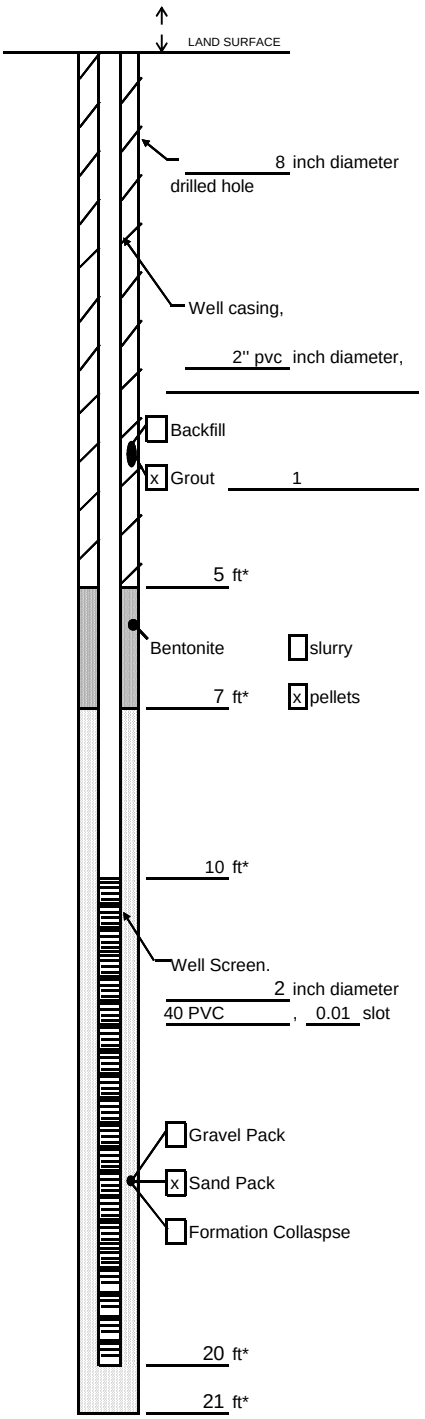
Remarks

Prepared by GM

ARCADIS G&M

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project LMC-Utica Well MW-15S

Town/City Utica, NY

County Oneida State NY

Permit No.

Land-Surface Elevation and Datum:

507.7 feet [X] Surveyed

[ ] Estimated

Installation Date(s) 7/17/2008

Drilling Method Hollow Stem Auger

Drilling Contractor Parratt Wolff

Drilling Fluid

Development Technique(s) and Date(s)

Submersible pump 7/21/2008

Fluid Loss During Drilling N/A gallons

Water Removed During Development 3.2 gallons

Static Depth to Water 9.9 feet below M.P.

Pumping Depth to Water 19.5 feet below M.P.

Pumping Duration 1.5 hours

Yield N/A gpm Date

Specific Capacity N/A gpm/ft

Well Purpose GW sampling

N/A

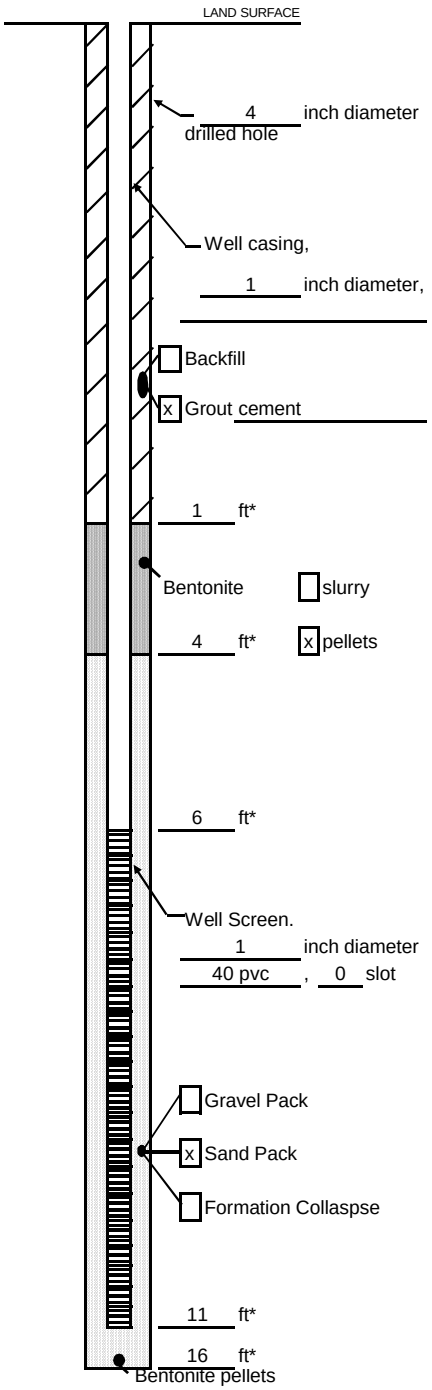
Remarks

Prepared by GM

ARCADIS G&M

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project LMC-Utica Well PZ-8

Town/City Utica, NY

County Oneida State NY

Permit No.

Land-Surface Elevation and Datum:

508.2 feet [X] Surveyed [ ] Estimated

Installation Date(s) 07/24/08-07/25

Drilling Method mud rotary

Drilling Contractor Parratt Wolff

Drilling Fluid potable water

Development Technique(s) and Date(s)

08/05/08 check value

Fluid Loss During Drilling gallons

Water Removed During Development 0.1 gallons

Static Depth to Water 7.6 feet below M.P.

Pumping Depth to Water 9.42 feet below M.P.

Pumping Duration 1 hours

Yield gpm Date 39665

Specific Capacity gpm/ft

Well Purpose

Remarks

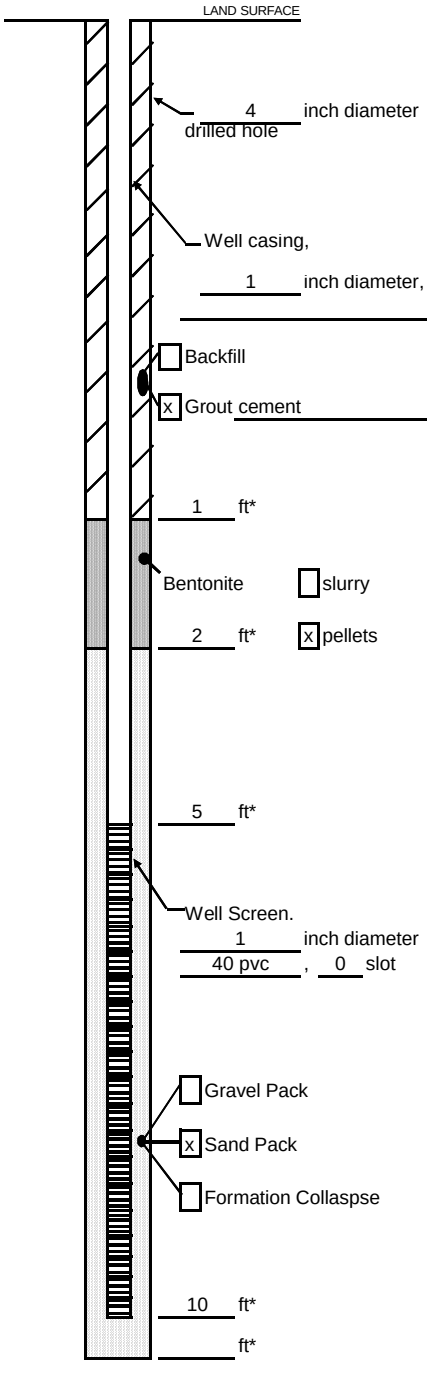
Start-DTB 9.15, end 9.56

Prepared by GM

ARCADIS G&M

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project LMC-Utica Well PZ-9

Town/City Utica, NY

County Oneida State NY

Permit No.

Land-Surface Elevation and Datum:

508.1 feet [X] Surveyed

[ ] Estimated

Installation Date(s) 7/29/2008

Drilling Method mud rotary

Drilling Contractor Parratt Wolff

Drilling Fluid potable water

Development Technique(s) and Date(s)

08/05/08 check valve

Fluid Loss During Drilling ____ gallons

Water Removed During Development 0.15 gallons

Static Depth to Water 7.43 feet below M.P.

Pumping Depth to Water 9.24 feet below M.P.

Pumping Duration ____ hours

Yield ____ gpm Date ____

Specific Capacity ____ gpm/ft

Well Purpose

Remarks

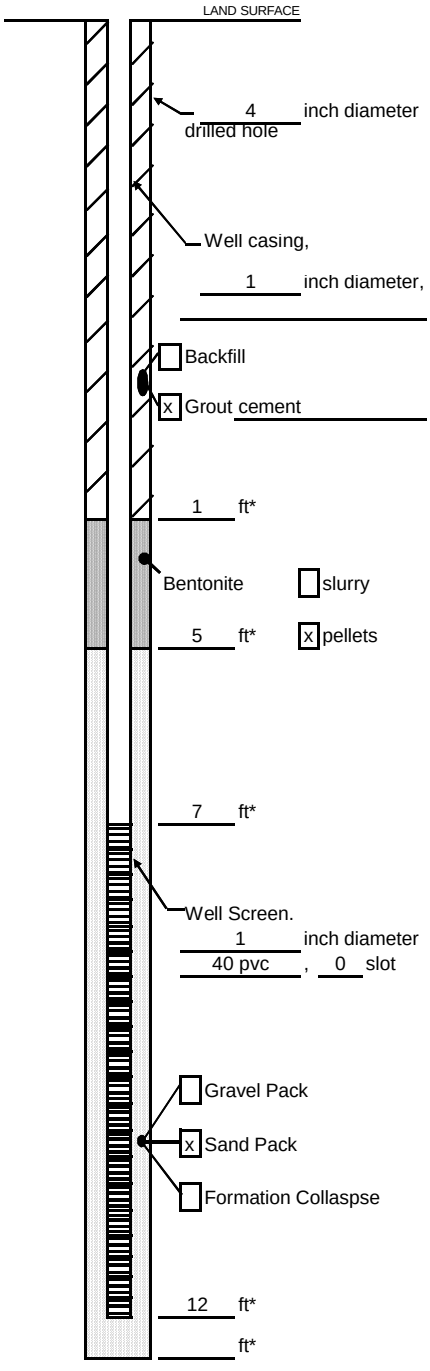
Start: DTB 7.80, end: 9.35

Prepared by GM

ARCADIS G&M

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project LMC-Utica Well PZ-10

Town/City Utica, NY

County Oneida State NY

Permit No.

Land-Surface Elevation and Datum:

508.1 feet [X] Surveyed

[ ] Estimated

Installation Date(s) 7/31/2008

Drilling Method mud rotary

Drilling Contractor Parratt Wolff

Drilling Fluid potable water

Development Technique(s) and Date(s)

08/05/08 check valve

Fluid Loss During Drilling gallons

Water Removed During Development 0.5 gallons

Static Depth to Water 6.94 feet below M.P.

Pumping Depth to Water 11 feet below M.P.

Pumping Duration hours

Yield gpm Date

Specific Capacity gpm/ft

Well Purpose

Remarks

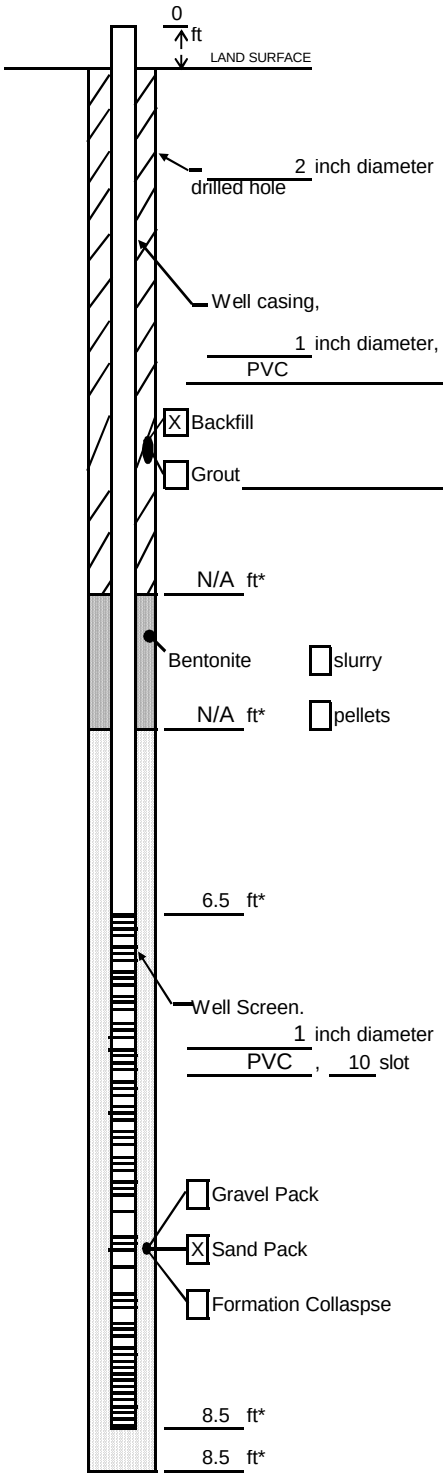
Start: DTB: 7.57, end: 11.16

Prepared by GM

ARCADIS GERAGHTY & MILLER

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project LMC- Utica Well PZ-11

Town/City Utica, NY

County Oneida State NY

Permit No. N/A

Land-Surface Elevation and Datum:

505.8 (top of PVC) feet [X] Surveyed [ ] Estimated

Installation Date(s) 11/3/2008

Drilling Method Geoprobe Rig

Drilling Contractor Thew Associates

Drilling Fluid None

Development Technique(s) and Date(s)

1" bailer

Fluid Loss During Drilling 0 gallons

Water Removed During Development <3 gallons

Static Depth to Water 6.96 feet below M.P.

Pumping Depth to Water N/A feet below M.P.

Pumping Duration N/A hours

Yield N/A gpm Date N/A

Specific Capacity N/A gpm/ft

Well Purpose

Sample Groundwater

Remarks

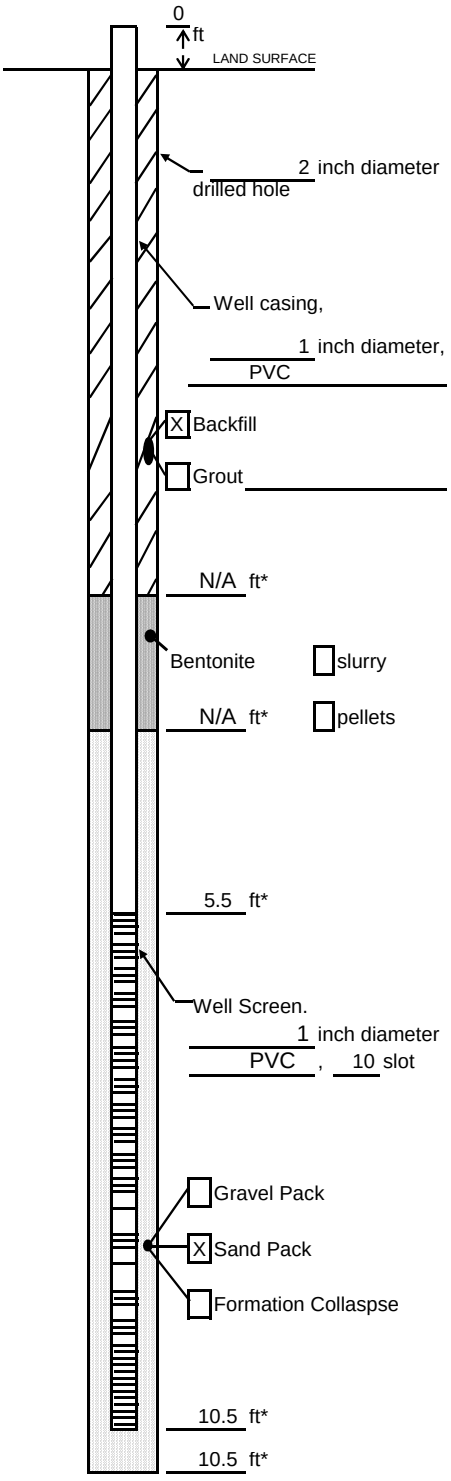
Constructed in a backfilled test pit (TP-4)

Prepared by J. Rocklin

ARCADIS GERAGHTY & MILLER

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project LMC- Utica Well PZ-12

Town/City Utica, NY

County Oneida State NY

Permit No. N/A

Land-Surface Elevation and Datum:

505.8 (top of PVC) feet [X] Surveyed [ ] Estimated

Installation Date(s) 11/3/2008

Drilling Method Geoprobe Rig

Drilling Contractor Thew Associates

Drilling Fluid None

Development Technique(s) and Date(s)

1" bailer

Fluid Loss During Drilling 0 gallons

Water Removed During Development <3 gallons

Static Depth to Water 6.94 feet below M.P.

Pumping Depth to Water N/A feet below M.P.

Pumping Duration N/A hours

Yield N/A gpm Date N/A

Specific Capacity N/A gpm/ft

Well Purpose

Water level monitoring and groundwater sampling

Remarks

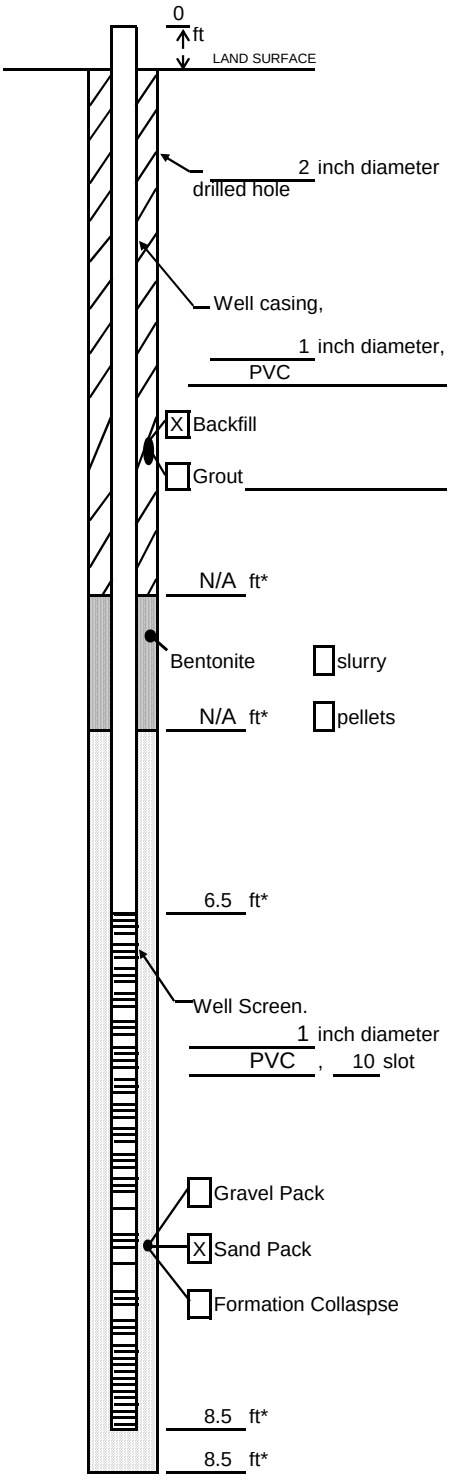
Constructed in a backfilled test pit (TP-4)

Prepared by J. Rocklin

ARCADIS GERAGHTY & MILLER

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project LMC- Utica Well PZ-13

Town/City Utica, NY

County Oneida State NY

Permit No. N/A

Land-Surface Elevation and Datum:

503.9 (top of PVC) feet [X] Surveyed [ ] Estimated

Installation Date(s) 11/3/2008

Drilling Method Geoprobe Rig

Drilling Contractor Thew Associates

Drilling Fluid None

Development Technique(s) and Date(s)

1" bailer

Fluid Loss During Drilling 0 gallons

Water Removed During Development <3 gallons

Static Depth to Water 7.10 feet below M.P.

Pumping Depth to Water N/A feet below M.P.

Pumping Duration N/A hours

Yield N/A gpm Date N/A

Specific Capacity N/A gpm/ft

Well Purpose

Sample groundwater

Remarks

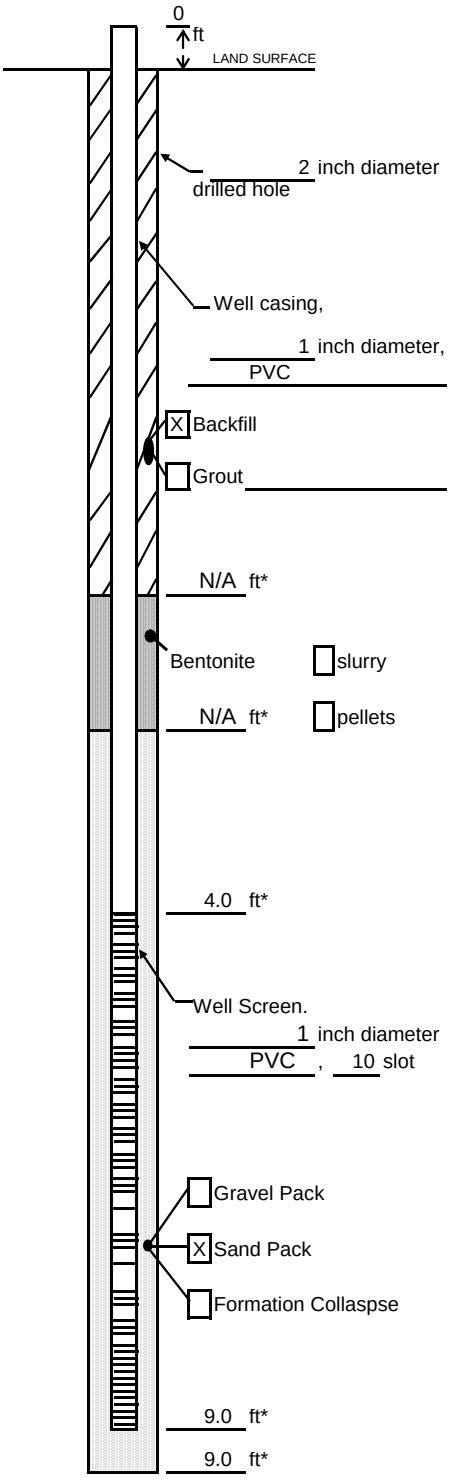
Constructed in a backfilled test pit (TP-5)

Prepared by J. Rocklin

ARCADIS GERAGHTY & MILLER

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project LMC- Utica Well PZ-14

Town/City Utica, NY

County Oneida State NY

Permit No. N/A

Land-Surface Elevation and Datum:

504.1 (top of PVC) feet [X] Surveyed [ ] Estimated

Installation Date(s) 11/3/2008

Drilling Method Geoprobe Rig

Drilling Contractor Thew Associates

Drilling Fluid None

Development Technique(s) and Date(s)

1" bailer

Fluid Loss During Drilling 0 gallons

Water Removed During Development <3 gallons

Static Depth to Water 7.08 feet below M.P.

Pumping Depth to Water N/A feet below M.P.

Pumping Duration N/A hours

Yield N/A gpm Date N/A

Specific Capacity N/A gpm/ft

Well Purpose

Water level monitoring and groundwater sampling

Remarks

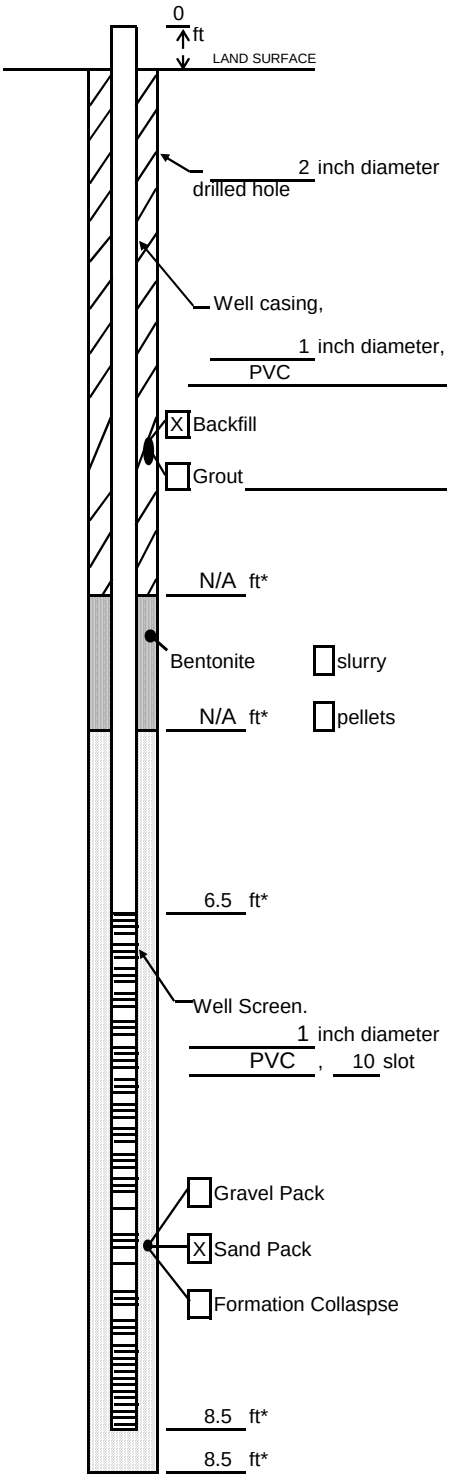
Constructed in a backfilled test pit (TP-5)

Prepared by J. Rocklin

ARCADIS GERAGHTY & MILLER

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project LMC- Utica Well PZ-15

Town/City Utica, NY

County Oneida State NY

Permit No. N/A

Land-Surface Elevation and Datum:

504.4 (top of PVC) feet [X] Surveyed [ ] Estimated

Installation Date(s) 11/4/2008

Drilling Method Geoprobe Rig

Drilling Contractor Thew Associates

Drilling Fluid None

Development Technique(s) and Date(s)

1" bailer

Fluid Loss During Drilling 0 gallons

Water Removed During Development <3 gallons

Static Depth to Water 6.88 feet below M.P.

Pumping Depth to Water N/A feet below M.P.

Pumping Duration N/A hours

Yield N/A gpm Date N/A

Specific Capacity N/A gpm/ft

Well Purpose

Groundwater sampling

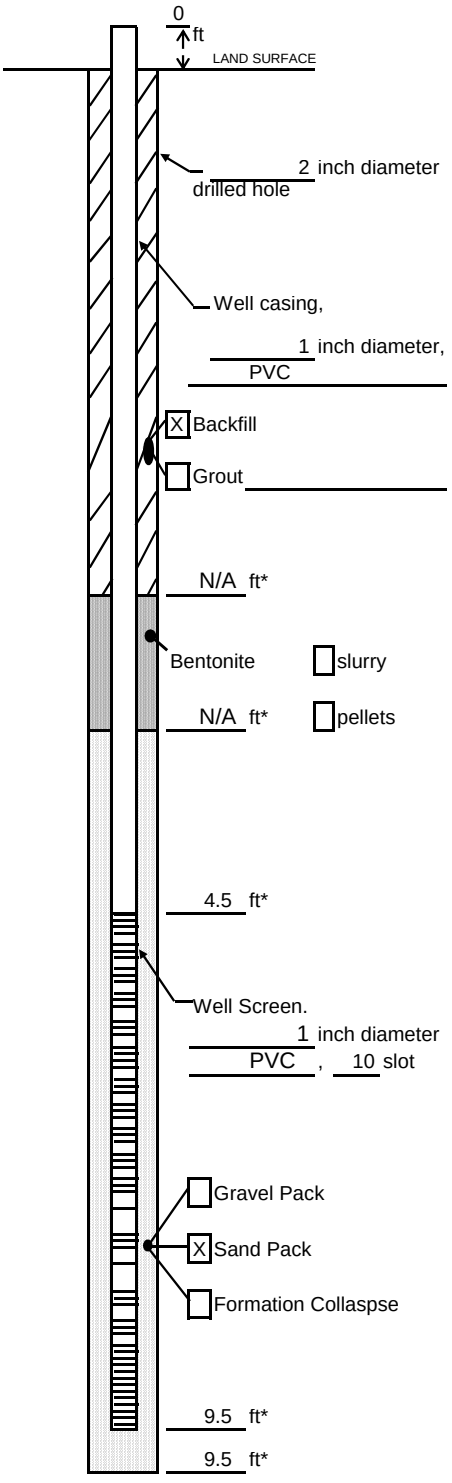
Remarks

Prepared by J. Rocklin

ARCADIS

Well Construction Log

(Unconsolidated)



Measuring Point is
Top of Well Casing
Unless Otherwise Noted.

* Depth Below Land Surface

Project LMC- Utica Well PZ-16

Town/City Utica, NY

County Oneida State NY

Permit No. N/A

Land-Surface Elevation and Datum:

504.5 (top of PVC) feet [X] Surveyed [ ] Estimated

Installation Date(s) 11/4/2008

Drilling Method Geoprobe Rig

Drilling Contractor Thew Associates

Drilling Fluid None

Development Technique(s) and Date(s)

1" bailer

Fluid Loss During Drilling 0 gallons

Water Removed During Development <3 gallons

Static Depth to Water 6.90 feet below M.P.

Pumping Depth to Water N/A feet below M.P.

Pumping Duration N/A hours

Yield N/A gpm Date N/A

Specific Capacity N/A gpm/ft

Well Purpose

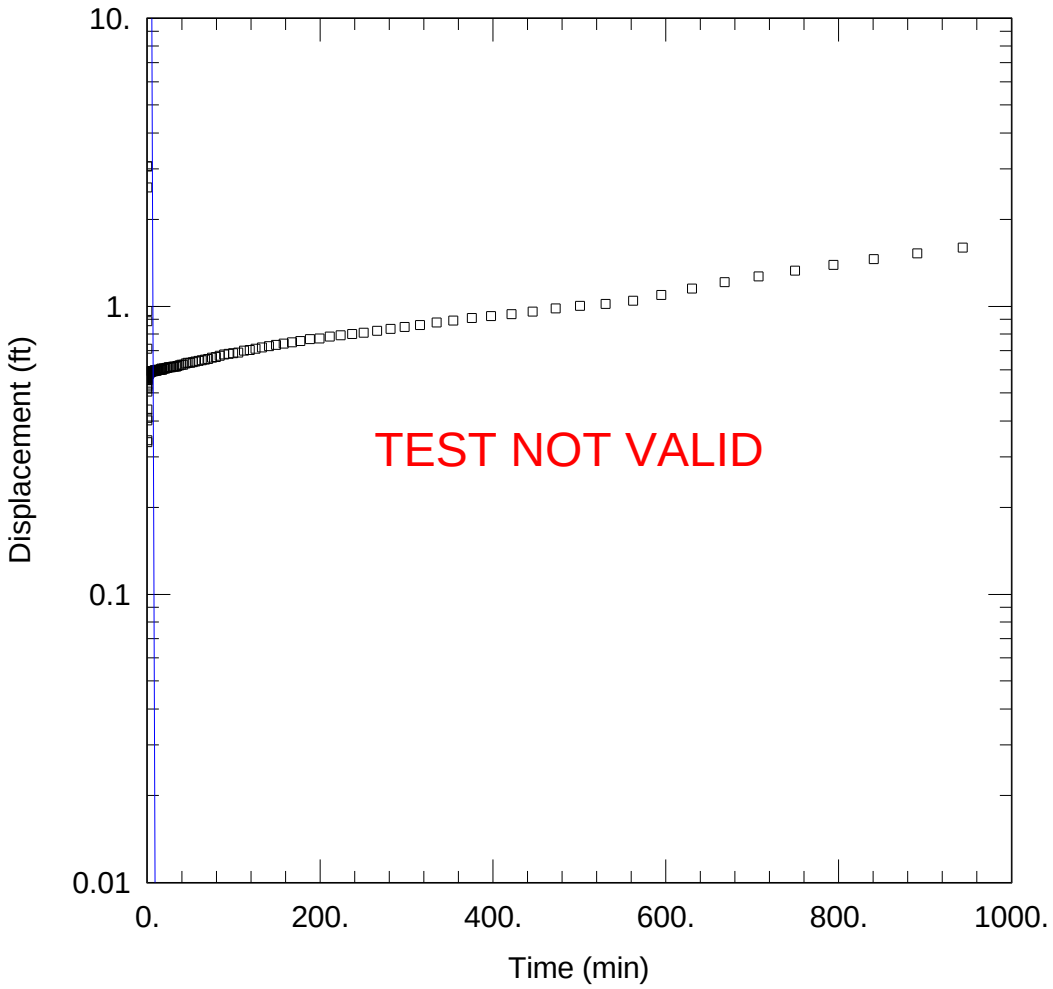
Remarks

Prepared by J. Rocklin

ARCADIS

Appendix D

Slug Test Analysis



WELL TEST ANALYSIS

Data Set: G:\APROJECT\LOCKHEED\UTICA\LOCKHE~1\TEXTFO~1\MW13BRIN.AQT
Date: 03/11/09 Time: 14:10:48

AQUIFER DATA

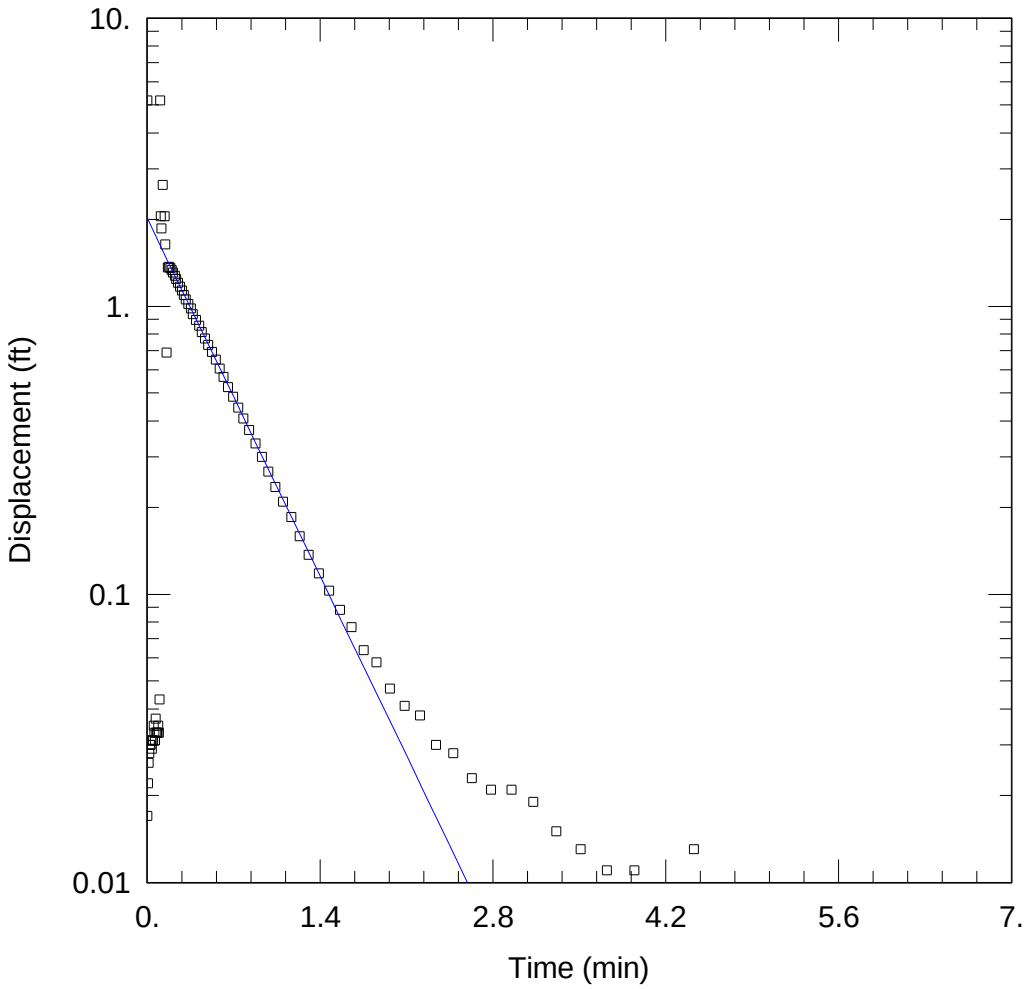
Saturated Thickness: 7.68 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Initial Displacement: 3.062 ft
Water Column Height: 7.68 ft
Casing Radius: 0.08 ft
Wellbore Radius: 0.25 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.2

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.004405 ft/min
y0 = 5.412E+05 ft



WELL TEST ANALYSIS

Data Set: G:\APROJECT\LOCKHEED\UTICA\LOCKHE~1\TEXTFO~1\MW-13TIN.AQT
Date: 03/11/09 Time: 14:04:23

AQUIFER DATA

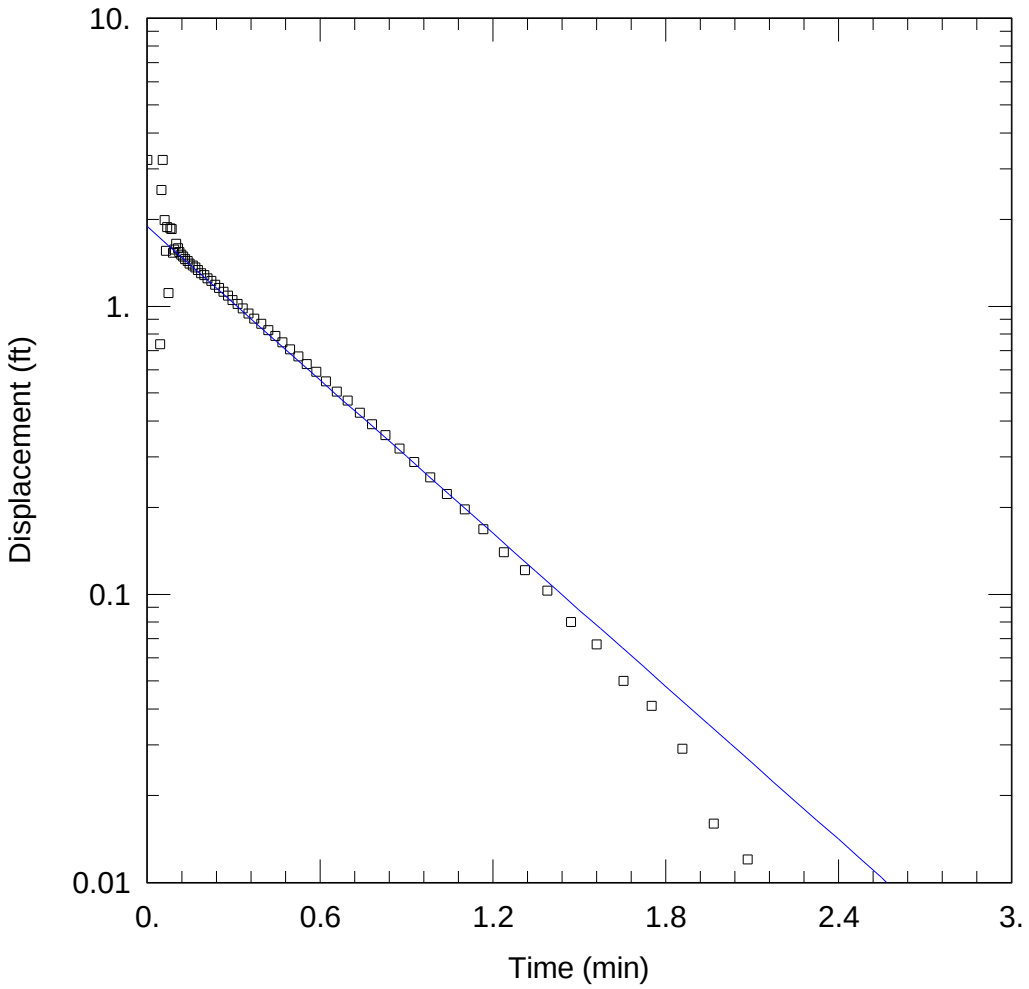
Saturated Thickness: 21.5 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Initial Displacement: 5.17 ft
Water Column Height: 13.64 ft
Casing Radius: 0.08 ft
Wellbore Radius: 0.25 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.2

SOLUTION

Aquifer Model: Unconfined
K = 0.004712 ft/min
Solution Method: Bouwer-Rice
y0 = 2.026 ft



WELL TEST ANALYSIS

Data Set: G:\APROJECT\LOCKHEED\UTICA\LOCKHE~1\TEXTFO~1\MW-13TO.AQT
Date: 03/11/09 Time: 14:05:45

AQUIFER DATA

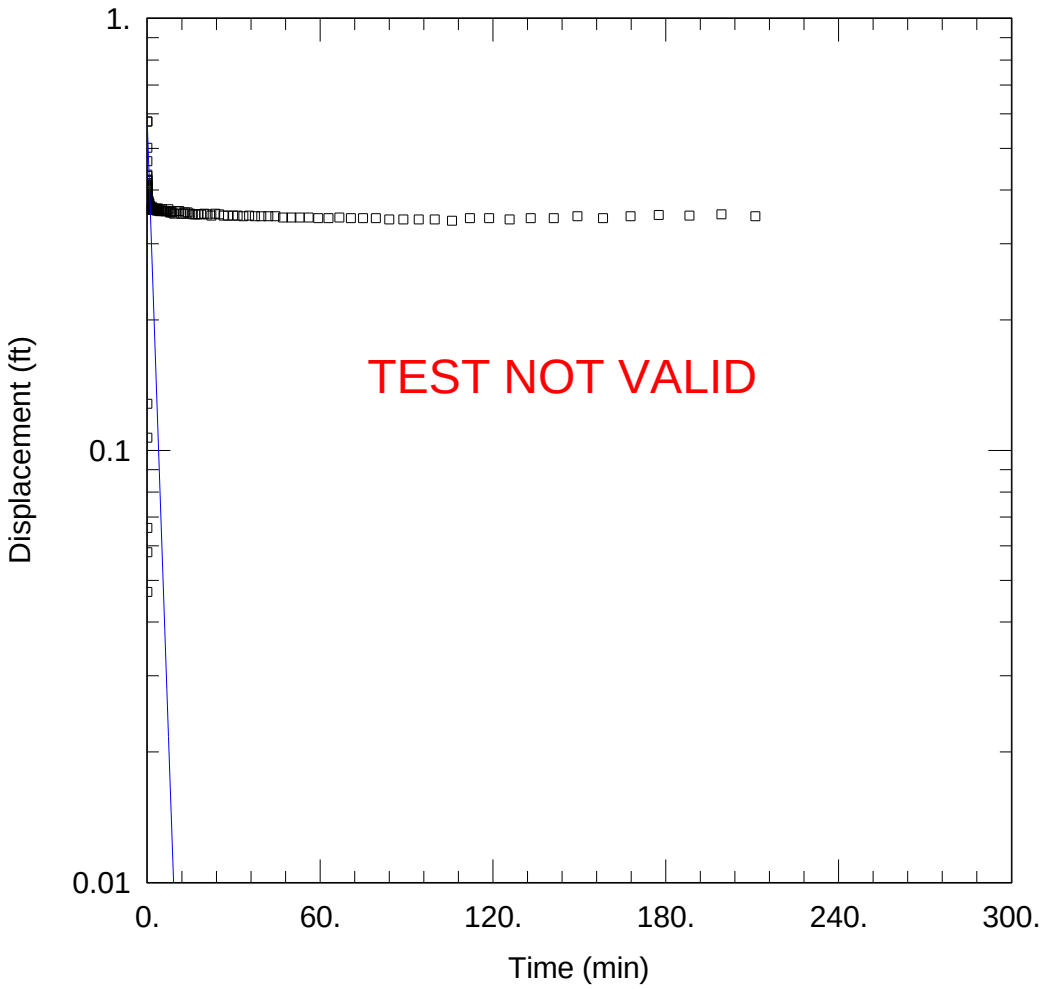
Saturated Thickness: 21.5 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Initial Displacement: 3.212 ft
Water Column Height: 13.64 ft
Casing Radius: 0.08 ft
Wellbore Radius: 0.25 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.2

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.004698 ft/min
y0 = 1.888 ft



WELL TEST ANALYSIS

Data Set: G:\APROJECT\LOCKHEED\UTICA\LOCKHE~1\TEXTFO~1\MW-14BRI.AQT
Date: 03/11/09 Time: 14:06:33

AQUIFER DATA

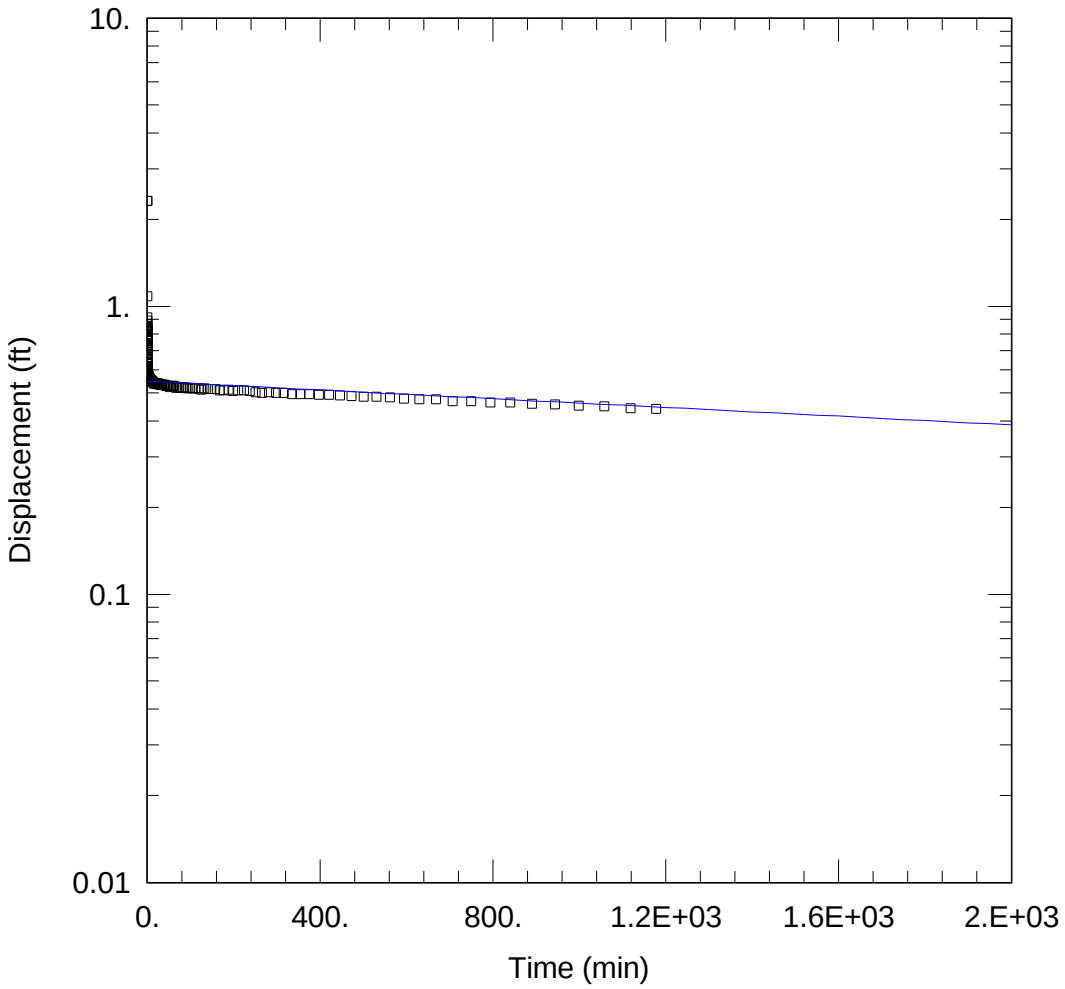
Saturated Thickness: 3.21 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Initial Displacement: 0.576 ft
Water Column Height: 3.21 ft
Casing Radius: 0.08 ft
Wellbore Radius: 0.25 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.2

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0007834 ft/min
y0 = 0.5652 ft



WELL TEST ANALYSIS

Data Set: G:\APROJECT\LOCKHEED\UTICA\LOCKHE~1\TEXTFO~1\MW-14BRO.AQT
Date: 03/11/09 Time: 14:17:50

AQUIFER DATA

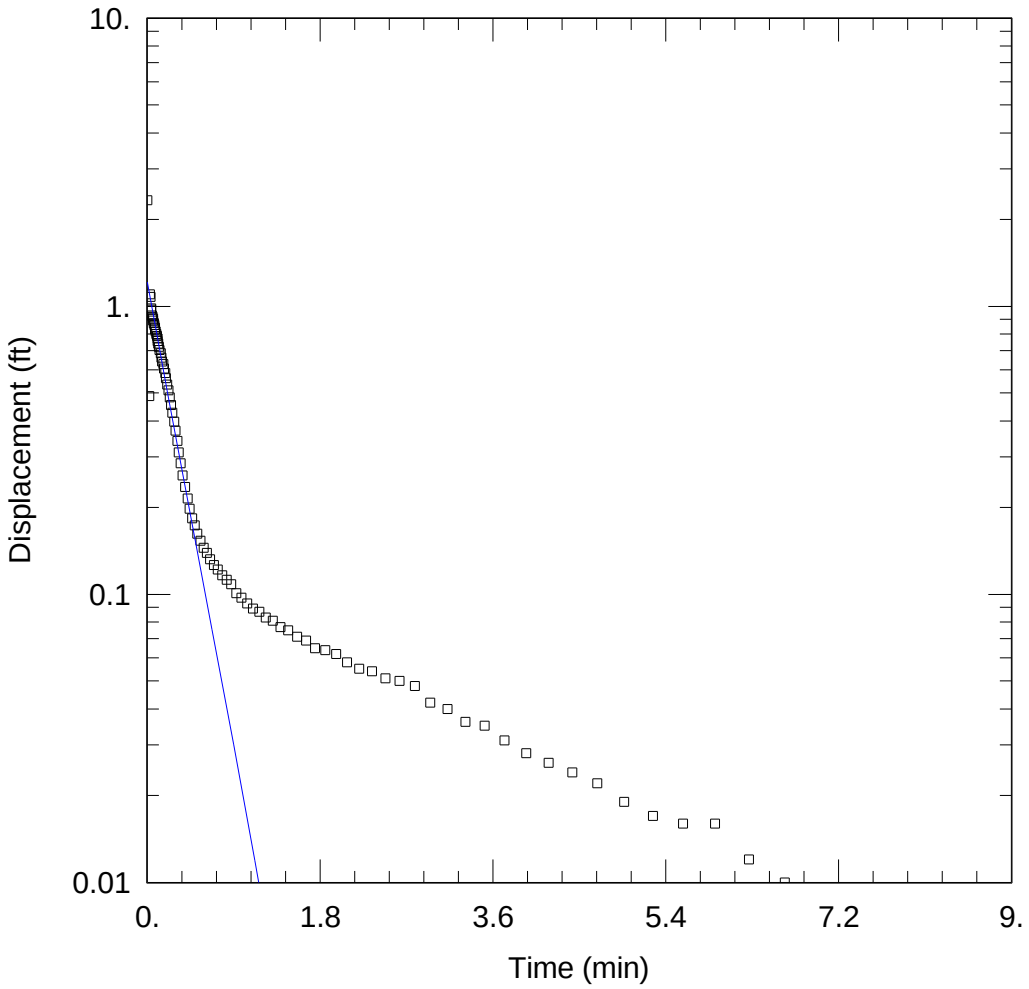
Saturated Thickness: 3.21 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Initial Displacement: 2.317 ft
Water Column Height: 3.21 ft
Casing Radius: 0.08 ft
Wellbore Radius: 0.25 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.2

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 3.152E-07 ft/min
y0 = 0.5488 ft



WELL TEST ANALYSIS

Data Set: G:\APROJECT\LOCKHEED\UTICA\LOCKHE~1\TEXTFO~1\MW-14SIN.AQT
Date: 03/11/09 Time: 14:07:26

AQUIFER DATA

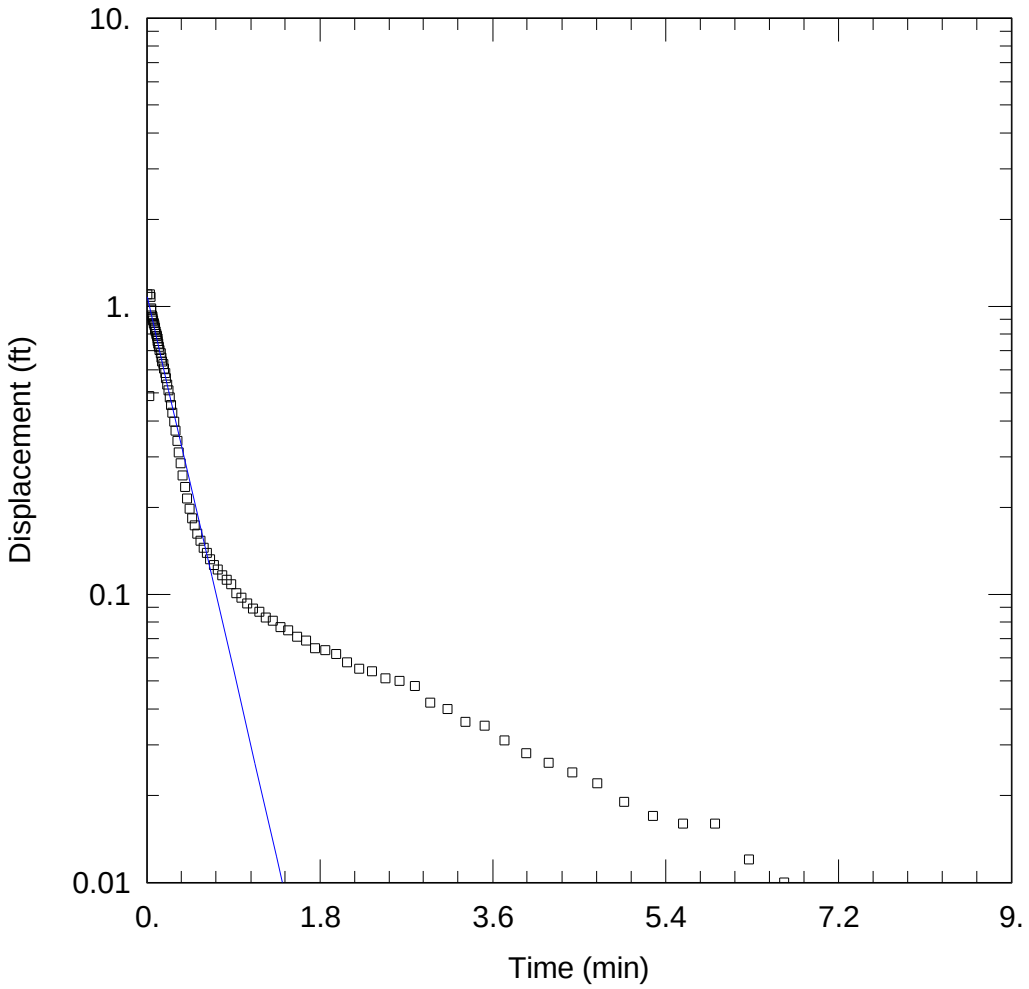
Saturated Thickness: 5.65 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Initial Displacement: 2.333 ft
Water Column Height: 5.65 ft
Casing Radius: 0.08 ft
Wellbore Radius: 0.25 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.2

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.008832 ft/min
y0 = 1.211 ft



WELL TEST ANALYSIS

Data Set: G:\APROJECT\LOCKHEED\UTICA\LOCKHE~1\TEXTFO~1\MW-14SO.AQT
Date: 03/11/09 Time: 14:16:43

AQUIFER DATA

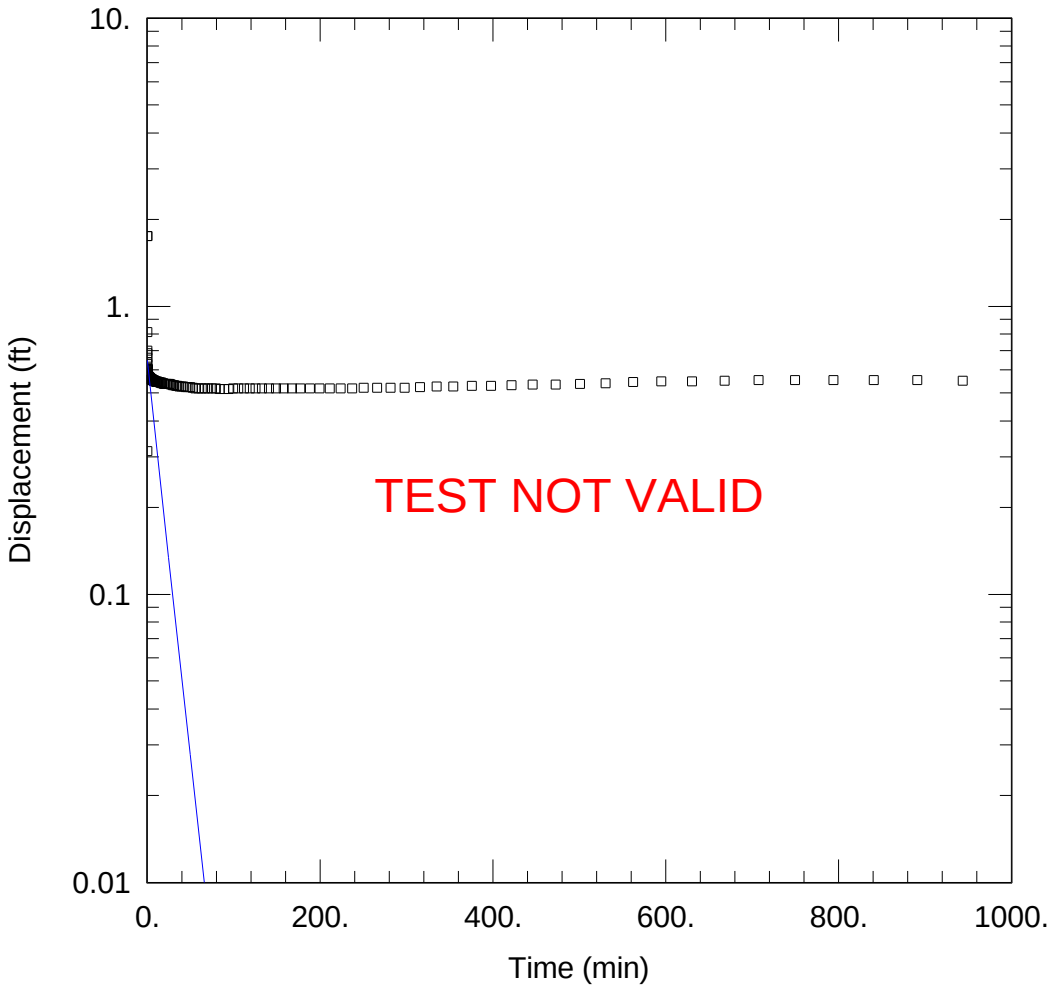
Saturated Thickness: 5.65 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Initial Displacement: 1.1 ft
Water Column Height: 5.65 ft
Casing Radius: 0.08 ft
Wellbore Radius: 0.25 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.2

SOLUTION

Aquifer Model: Unconfined
K = 0.00712 ft/min
Solution Method: Bouwer-Rice
y0 = 1.078 ft



WELL TEST ANALYSIS

Data Set: G:\APROJECT\LOCKHEED\UTICA\LOCKHE~1\TEXTFO~1\MW-15BRI.AQT
Date: 03/11/09 Time: 14:09:04

AQUIFER DATA

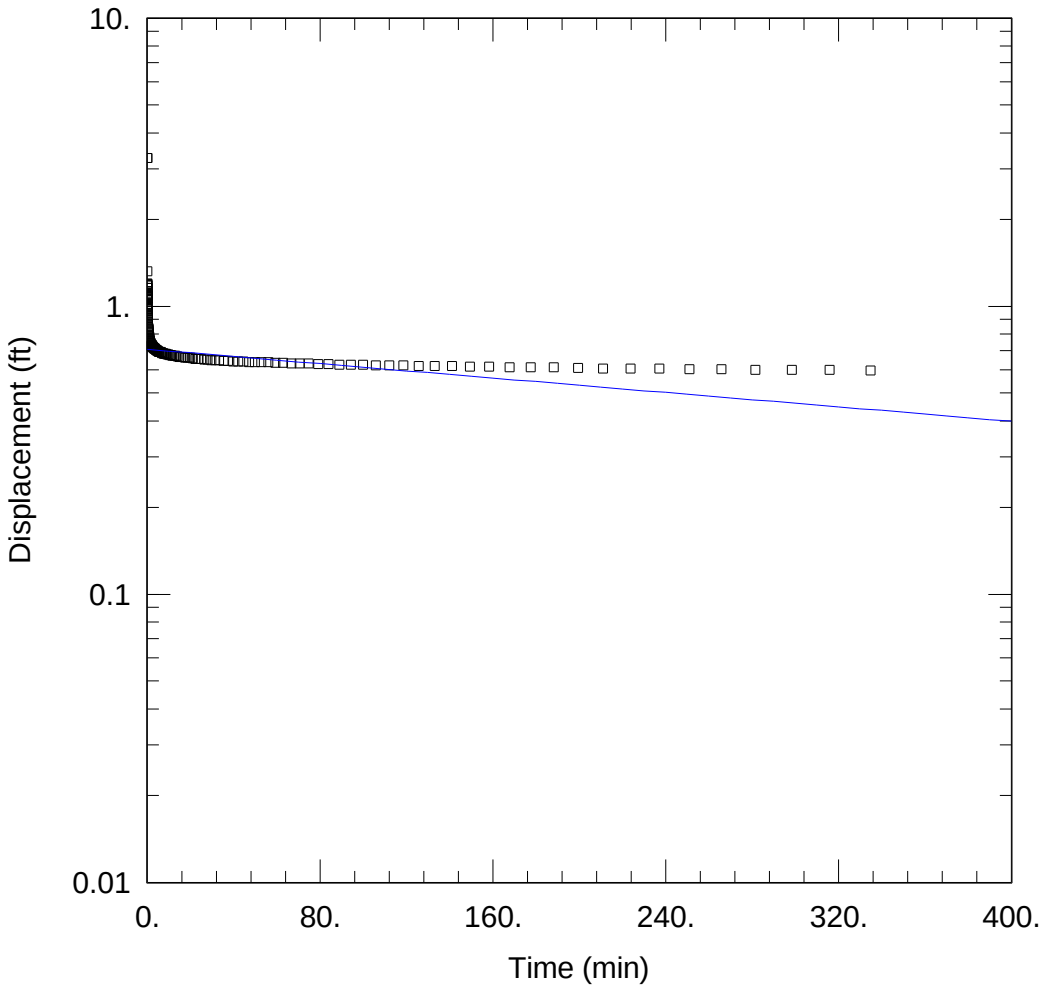
Saturated Thickness: 3.74 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Initial Displacement: 1.752 ft
Water Column Height: 3.74 ft
Casing Radius: 0.08 ft
Wellbore Radius: 0.25 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.2

SOLUTION

Aquifer Model: Unconfined
Solution Method: Bouwer-Rice
K = 0.0001198 ft/min
y0 = 0.6502 ft



WELL TEST ANALYSIS

Data Set: G:\APROJECT\LOCKHEED\UTICA\LOCKHE~1\TEXTFO~1\MW-15BRO.AQT
Date: 03/11/09 Time: 14:09:55

AQUIFER DATA

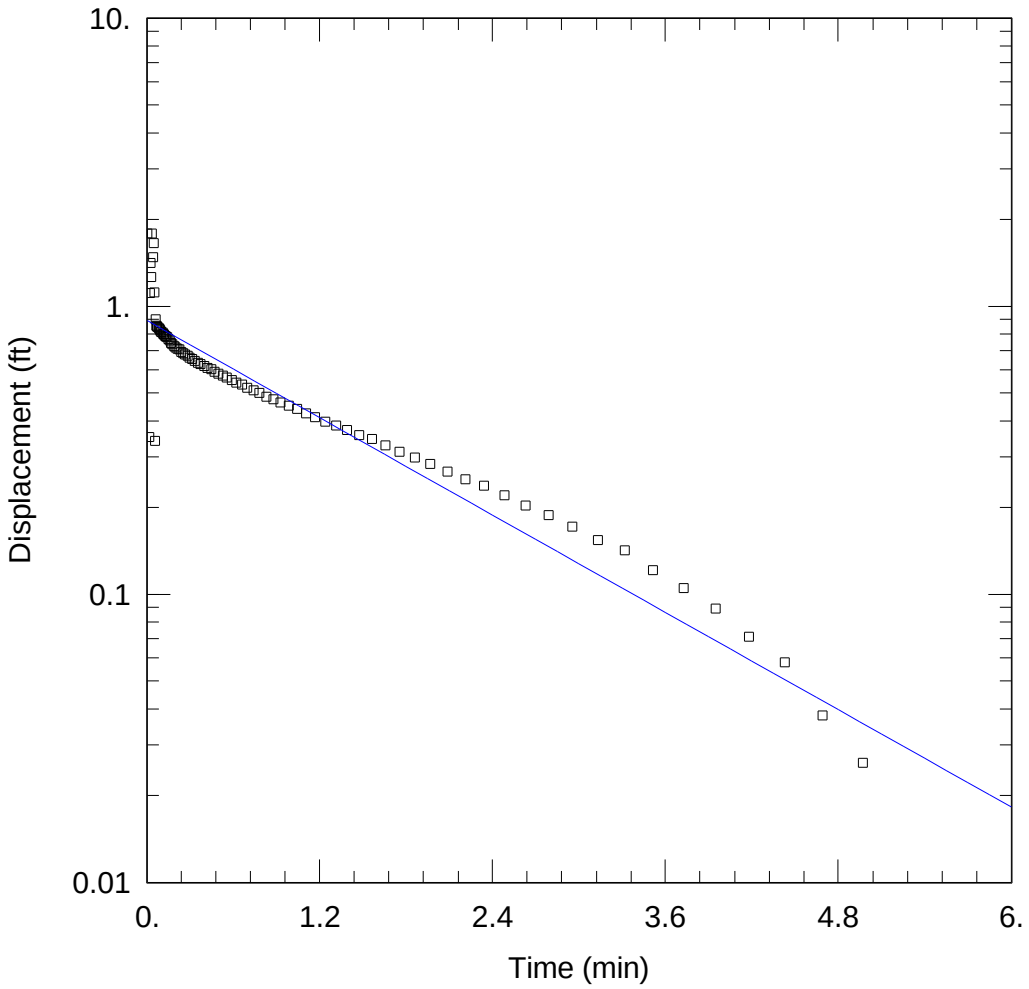
Saturated Thickness: 3.74 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Initial Displacement: 3.272 ft
Water Column Height: 3.74 ft
Casing Radius: 0.08 ft
Wellbore Radius: 0.25 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.2

SOLUTION

Aquifer Model: Unconfined
K = 2.733E-06 ft/min
Solution Method: Bouwer-Rice
y0 = 0.7086 ft



WELL TEST ANALYSIS

Data Set: G:\APROJECT\LOCKHEED\UTICA\LOCKHE~1\TEXTFO~1\MW-15SIN.AQT
Date: 03/11/09 Time: 14:18:44

AQUIFER DATA

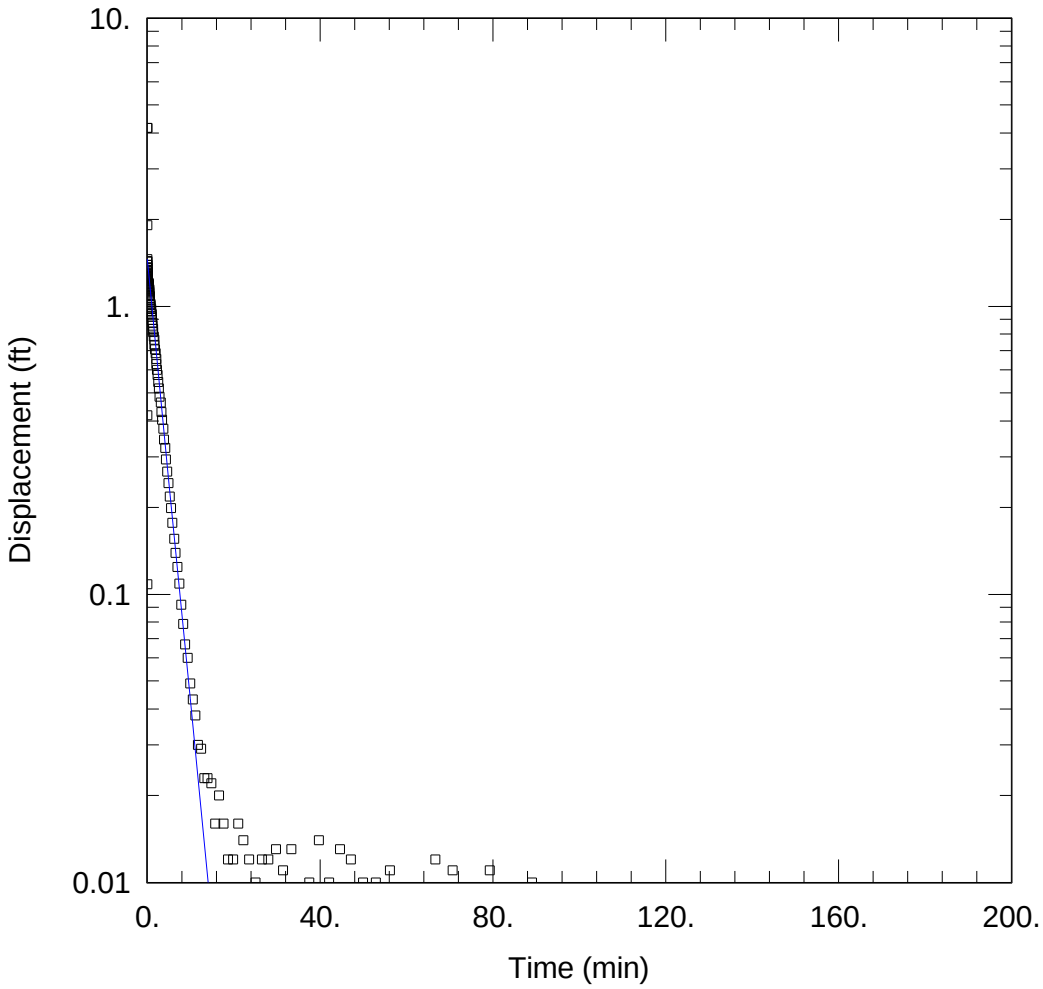
Saturated Thickness: 11.54 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Initial Displacement: 1.784 ft
Water Column Height: 11.54 ft
Casing Radius: 0.08 ft
Wellbore Radius: 0.25 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.2

SOLUTION

Aquifer Model: Unconfined
K = 0.001656 ft/min
Solution Method: Bouwer-Rice
y0 = 0.8902 ft



WELL TEST ANALYSIS

Data Set: G:\APROJECT\LOCKHEED\UTICA\LOCKHE~1\TEXTFO~1\MW-15SO.AQT
Date: 03/11/09 Time: 14:10:27

AQUIFER DATA

Saturated Thickness: 11.51 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA

Initial Displacement: 4.156 ft
Water Column Height: 11.51 ft
Casing Radius: 0.08 ft
Wellbore Radius: 0.25 ft
Screen Length: 10. ft
Gravel Pack Porosity: 0.2

SOLUTION

Aquifer Model: Unconfined
K = 0.0008977 ft/min
Solution Method: Bouwer-Rice
y0 = 1.46 ft

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Appendix E

Laboratory Geotechnical Data

PW LABORATORIES,INC.
P.O. BOX 56, 5879 FISHER ROAD, EAST SYRACUSE, NY 13057
315-437-1420 • 866-7PW-LABS • Fax 315-437-1752

June 18, 2008

Mr. Jeff Bonsteel
ARCADIS BBL
6723 Towpath Road
P.O. Box 66
Syracuse, New York 13214-0066

Re: L-08049
Laboratory Testing
Lockheed Martin
ARCADIS Project No: NJ000361.0001

Dear Mr. Bonsteel:

Enclosed are the results of laboratory testing performed at your request on six bulk soil samples delivered to our laboratory on June 4, 2008 for the above referenced project. Results include:

1. Sieve Analysis ASTM D422 & D1140
   Laboratory I.D. #'s 23297 - 23302 — 6 each

2. Hydrometer Analysis ASTM D422
   Laboratory I.D. #'s 23297 - 23302 — 6 each

3. Atterberg Limits ASTM D4318
   Laboratory I.D. #'s 23297 - 23302 — 6 each

All requested tests have been completed on the previously received sample(s) for the above project. All sample remains are scheduled to be disposed of on July 18, 2008. Please notify PW Laboratories, Inc. by letter or telephone prior to July 18, 2008 if you would prefer to pick up the sample(s) or that the sample(s) be retained by PW Laboratories, Inc. for an additional period of time.

Thank you for this opportunity to work with you.

Very truly yours,

PW LABORATORIES, INC.

Virginia J. Thoma
Manager - Laboratory Services
VJT/bll
Encs:

p-w labs

PW LABORATORIES,INC.
P.O. BOX 56, 5879 FISHER ROAD, EAST SYRACUSE, NY 13057
315-437-1420 • 866-7PW-LABS • Fax 315-437-1752

June 18, 2008

L-08049
Laboratory Testing
Lockheed Martin
ARCADIS Project No: NJ000361.001

ATTERBERG LIMITS
ASTM D4318

Lab ID #	Sample #	Depth (feet)	Plastic Limit	Liquid Limit	Plasticity Index
23297	B-2	12.0 - 14.0	13	16	3
23298	B-2	16.0 - 18.0	11	17	6
23299	B-2	20.0 - 22.0	Non-Plastic	--	--
23300	MW-14	12.0 - 16.0	13	19	6
23301	MW-14	42.0 - 46.0	13	16	3
23302	MW-15	16.0 - 18.0	Non-Plastic	--	--

PW LABORATORIES,INC.
P.O. BOX 56, 5879 FISHER ROAD, EAST SYRACUSE, NY 13057
315-437-1420 • 866-7PW-LABS • Fax 315-437-1752

SIEVE ANALYSIS OF SOIL / AGGREGATE

PROJECT TITLE: Laboratory Testing
Lockheed Martin
ARCADIS Project No: NJ000361.0001

Project #: L-08049
Test Method: ASTM D422 & D1140

Report #: 1
Report Date: June 18, 2008

			Sieve Size - Percent Passing Sieve														
Lab I.D. #	Sample	Depth (feet)	1 1/2"	1"	3/4"	1/2"	3/8"	1/4"	#4	#10	#30	#40	#60	#100	#200		
23297	B-2	12.0 - 14.0	100	96.9	95.0	91.0	87.9	84.8	82.7	75.8	68.6	66.4	63.0	59.5	54.6		
23298	B-2	16.0 - 18.0	--	--	100	97.4	94.5	88.6	85.0	75.6	64.5	61.4	56.7	51.7	46.0		
23299	B-2	20.0 - 22.0	--	--	100	93.0	87.0	78.0	72.2	58.9	45.6	42.4	39.2	31.7	26.1		
23300	MW-14	12.0 - 16.0	100	96.7	95.9	89.7	83.8	79.8	76.9	69.1	59.7	56.9	52.3	46.8	39.8		
23301	MW-14	42.0 - 46.0	--	--	100	96.5	94.5	90.0	87.1	77.2	61.0	57.5	51.4	44.5	37.9		
23302	MW-15	16.0 - 18.0	--	--	100	98.9	97.2	94.7	93.4	87.9	78.6	75.5	67.1	41.2	31.2		

Sample mass, as received, meets minimum mass requirements of test method: Yes ____ No X

Prewashed: Yes X No ____

Remarks:

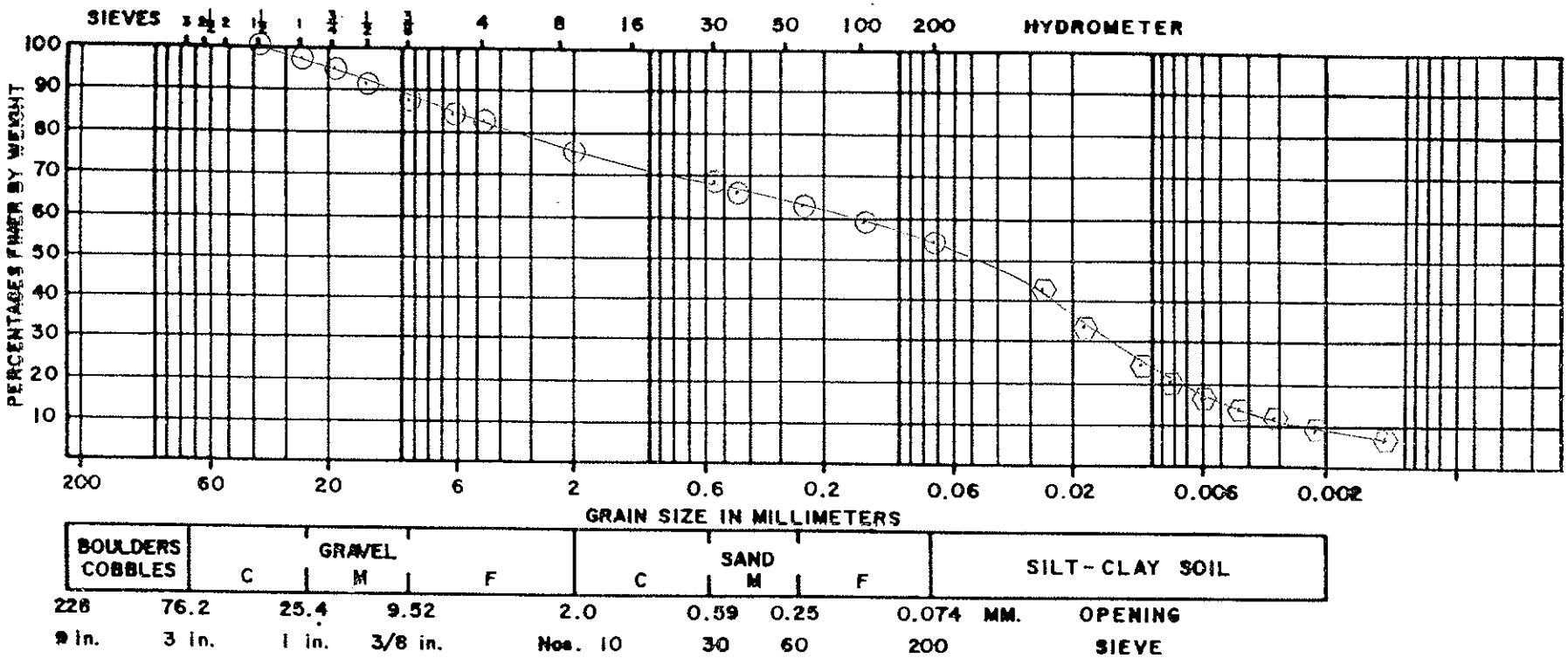
Performed By: SC, SG & PE

Checked By: V.J. Thoma

p-w labs
PW LABORATORIES, INC.
P.O. BOX 56, 5879 FISHER ROAD, EAST SYRACUSE, NY 13057
315-437-1420 · 866-7PW-LABS · Fax 315-437-1752

Job No.:	L-08049
Report No:	1
Date	June 18, 2008

GRAIN SIZE ANALYSIS



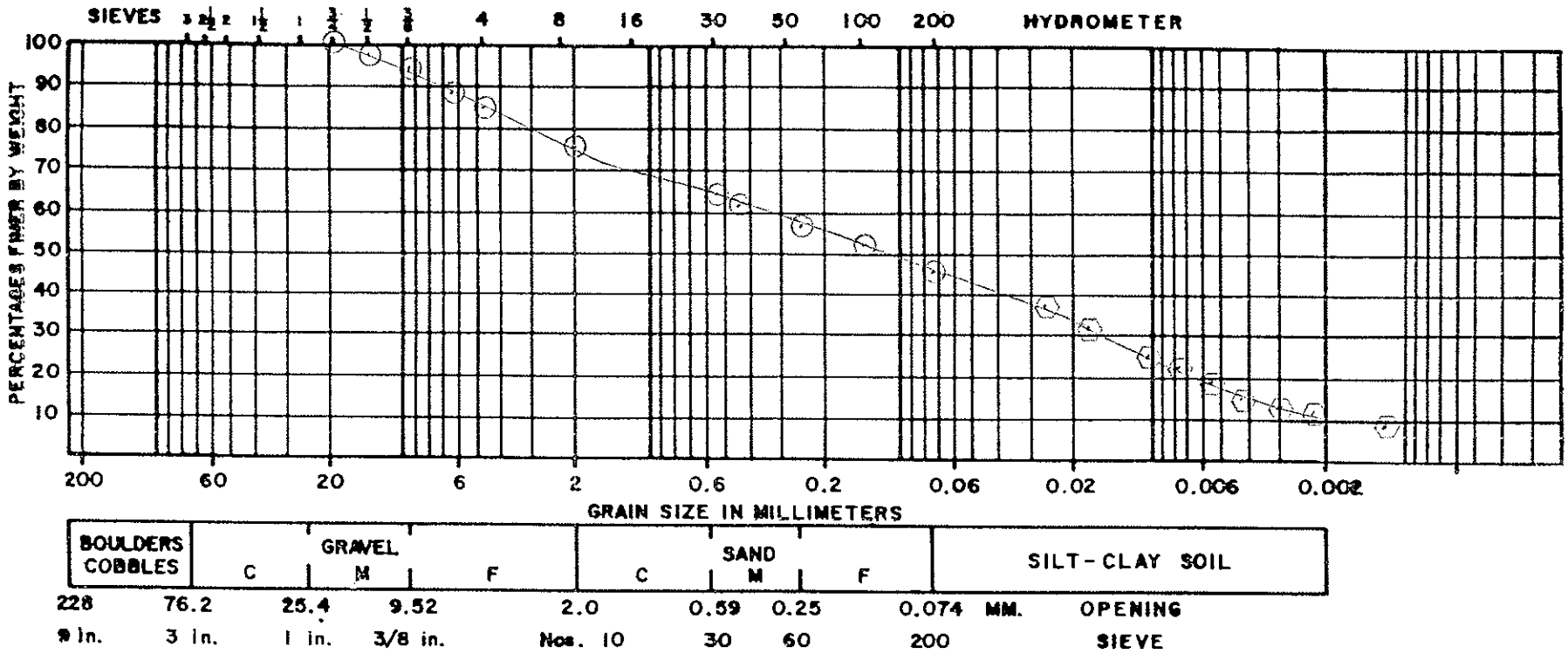
L-08049	Lab I.D. #	23297
Laboratory Testing	Sample	B-2
Lockheed Martin	Depth (feet)	12.0 - 14.0
ARCADIS Project No: NJ000361.0001		

⊙ Sieve Analysis ASTM D422 & D1140
◇ Hydrometer Analysis ASTM D422

p-w labs
PW LABORATORIES, INC.
P.O. BOX 56, 5879 FISHER ROAD, EAST SYRACUSE, NY 13057
315-437-1420 · 866-7PW-LABS · Fax 315-437-1752

Job No.:	L-08049
Report No:	2
Date	June 18, 2008

GRAIN SIZE ANALYSIS



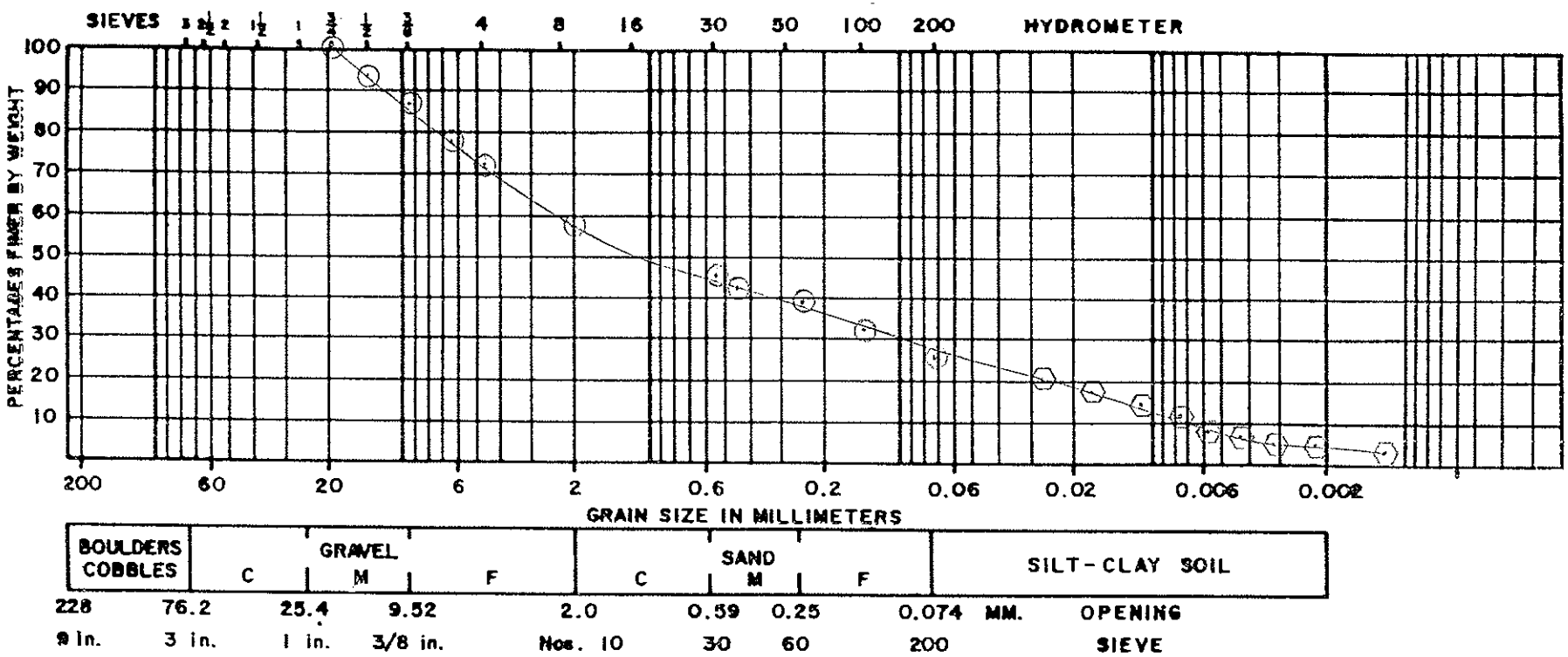
L-08049	Lab I.D. #	23298
Laboratory Testing	Sample	B-2
Lockheed Martin	Depth (feet)	16.0 - 18.0
ARCADIS Project No: NJ000361.0001		

⊙ Sieve Analysis ASTM D422 & D1140
⊖ Hydrometer Analysis ASTM D422

p-w labs
PW LABORATORIES, INC.
P.O. BOX 56, 5879 FISHER ROAD, EAST SYRACUSE, NY 13057
315-437-1420 · 866-7PW-LABS · Fax 315-437-1752

Job No.:	L-08049
Report No:	3
Date	June 18, 2008

GRAIN SIZE ANALYSIS



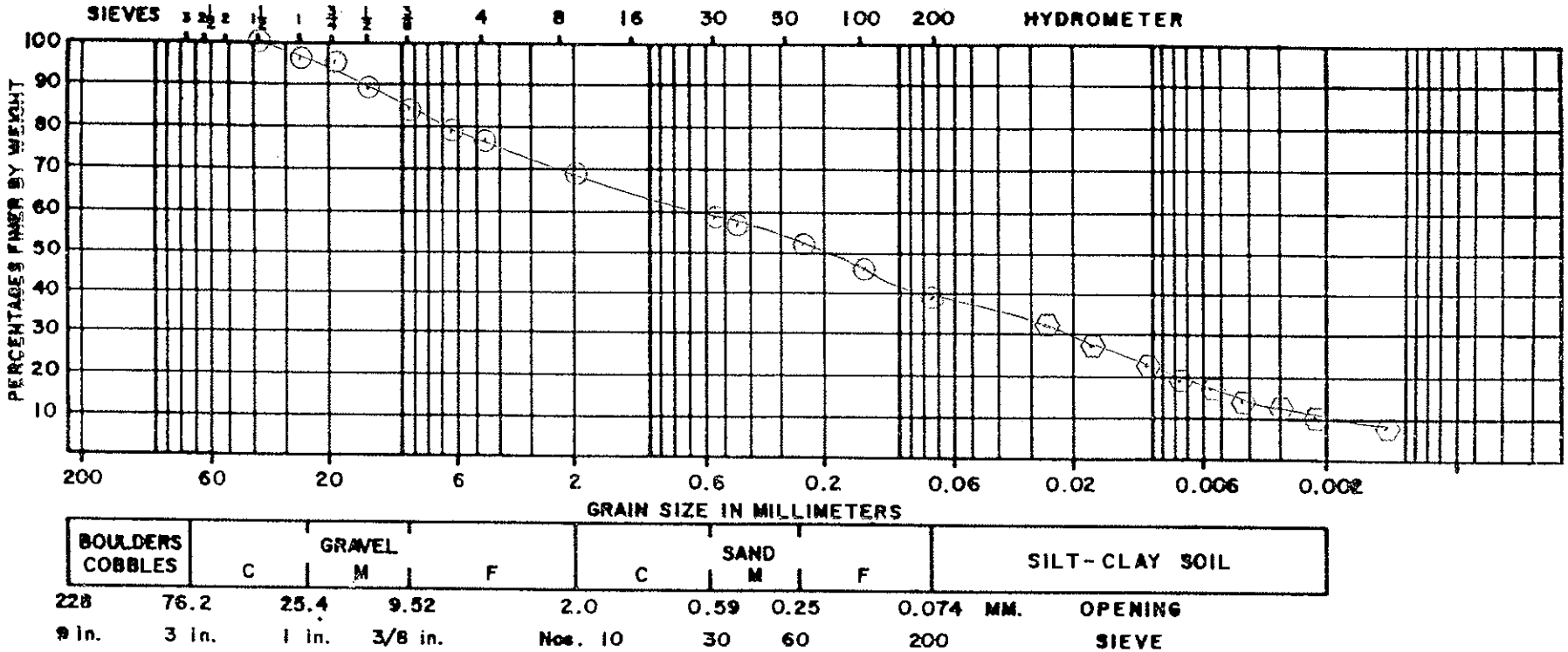
L-08049	Lab I.D. #	23299
Laboratory Testing	Sample	B-2
Lockheed Martin	Depth (feet)	20.0 - 22.0
ARCADIS Project No: NJ000361.0001		

⊙ Sieve Analysis ASTM D422 & D1140
⊙ Hydrometer Analysis ASTM D422

p-w labs
PW LABORATORIES,INC.
P.O. BOX 56, 5879 FISHER ROAD, EAST SYRACUSE, NY 13057
315-437-1420 · 866-7PW-LABS · Fax 315-437-1752

Job No.:	L-08049
Report No:	4
Date	June 18, 2008

GRAIN SIZE ANALYSIS



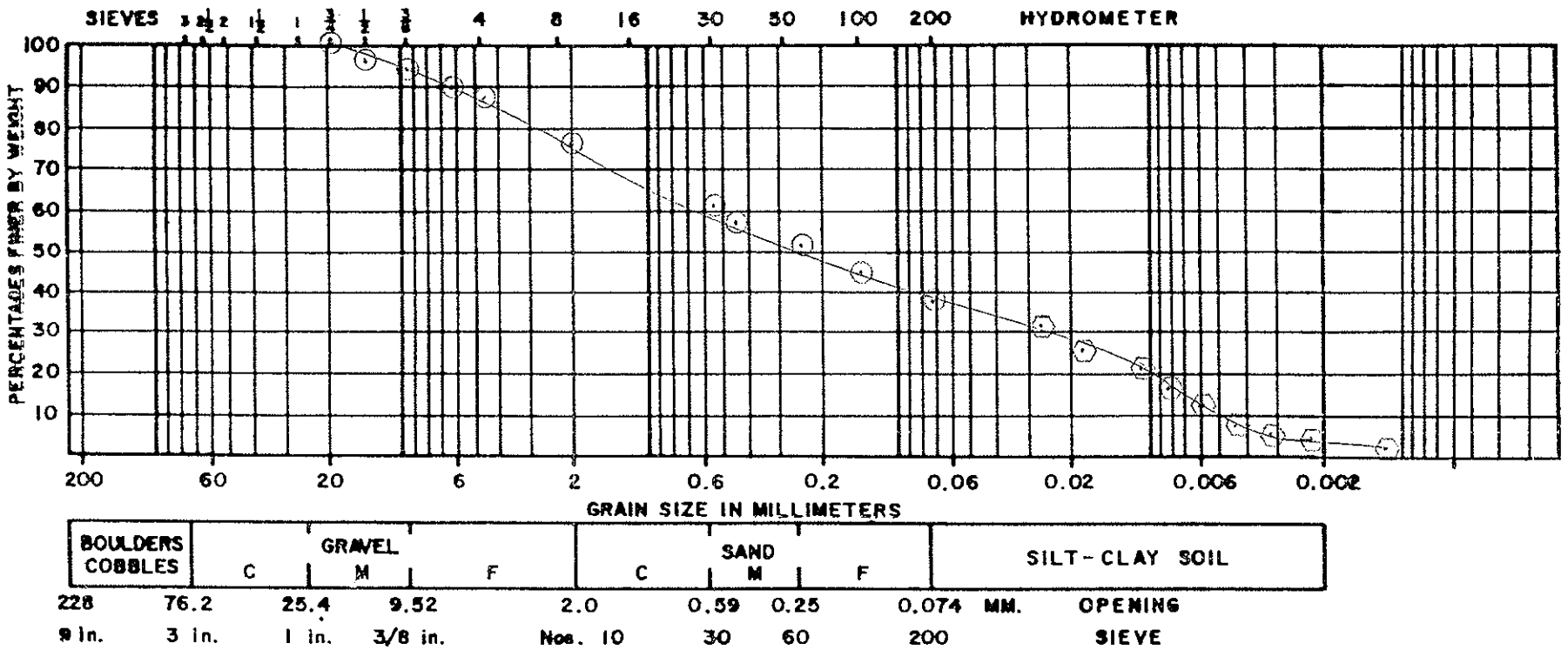
L-08049	Lab I.D. #	23300
Laboratory Testing	Sample	MW-14
Lockheed Martin	Depth (feet)	12.0 - 16.0
ARCADIS Project No: NJ000361.0001		

⊙ Sieve Analysis ASTM D422 & D1140
⊙ Hydrometer Analysis ASTM D422

p-w labs
PW LABORATORIES, INC.
P.O. BOX 56, 5879 FISHER ROAD, EAST SYRACUSE, NY 13057
315-437-1420 • 866-7PW-LABS • Fax 315-437-1752

Job No.: L-08049
Report No: 5
Date June 18, 2008

GRAIN SIZE ANALYSIS



L-08049	Lab I.D. #	23301
Laboratory Testing	Sample	MW-14
Lockheed Martin	Depth (feet)	42.0 - 46.0
ARCADIS Project No: NJ000361.0001		

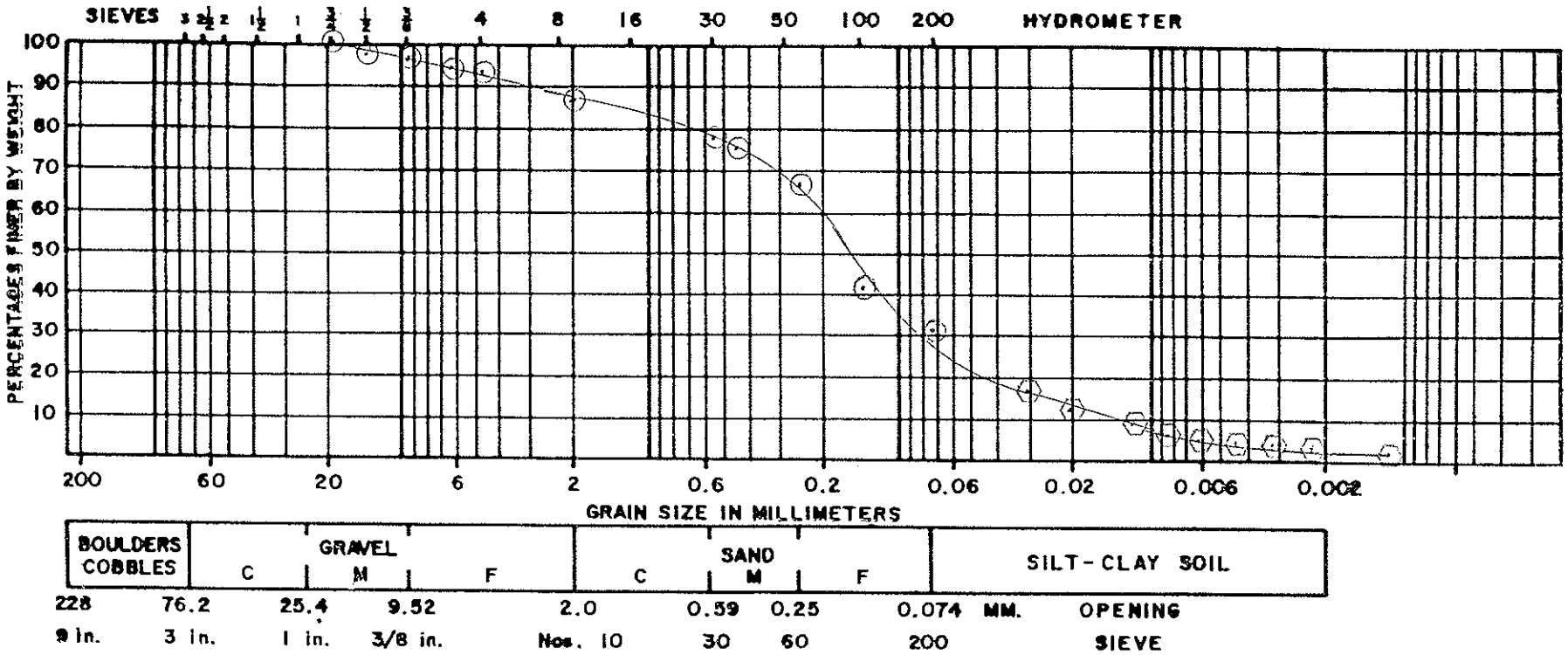
⊙ Sieve Analysis ASTM D422 & D1140
◇ Hydrometer Analysis ASTM D422

\\Pw1\c_Clients_Jobs\Arcadis BBL (BLASLAND, BOUCK, LEE)\2008\08049\Hydrometer Graph #23301

p-w labs
PW LABORATORIES, INC.
P.O. BOX 56, 5879 FISHER ROAD, EAST SYRACUSE, NY 13057
315-437-1420 • 866-7PW-LABS • Fax 315-437-1752

Job No.:	L-08049
Report No:	6
Date	June 18, 2008

GRAIN SIZE ANALYSIS



L-08049	Lab I.D. #	23302
Laboratory Testing	Sample	MW-15
Lockheed Martin	Depth (feet)	16.0 - 18.0
ARCADIS Project No: NJ000361.0001		

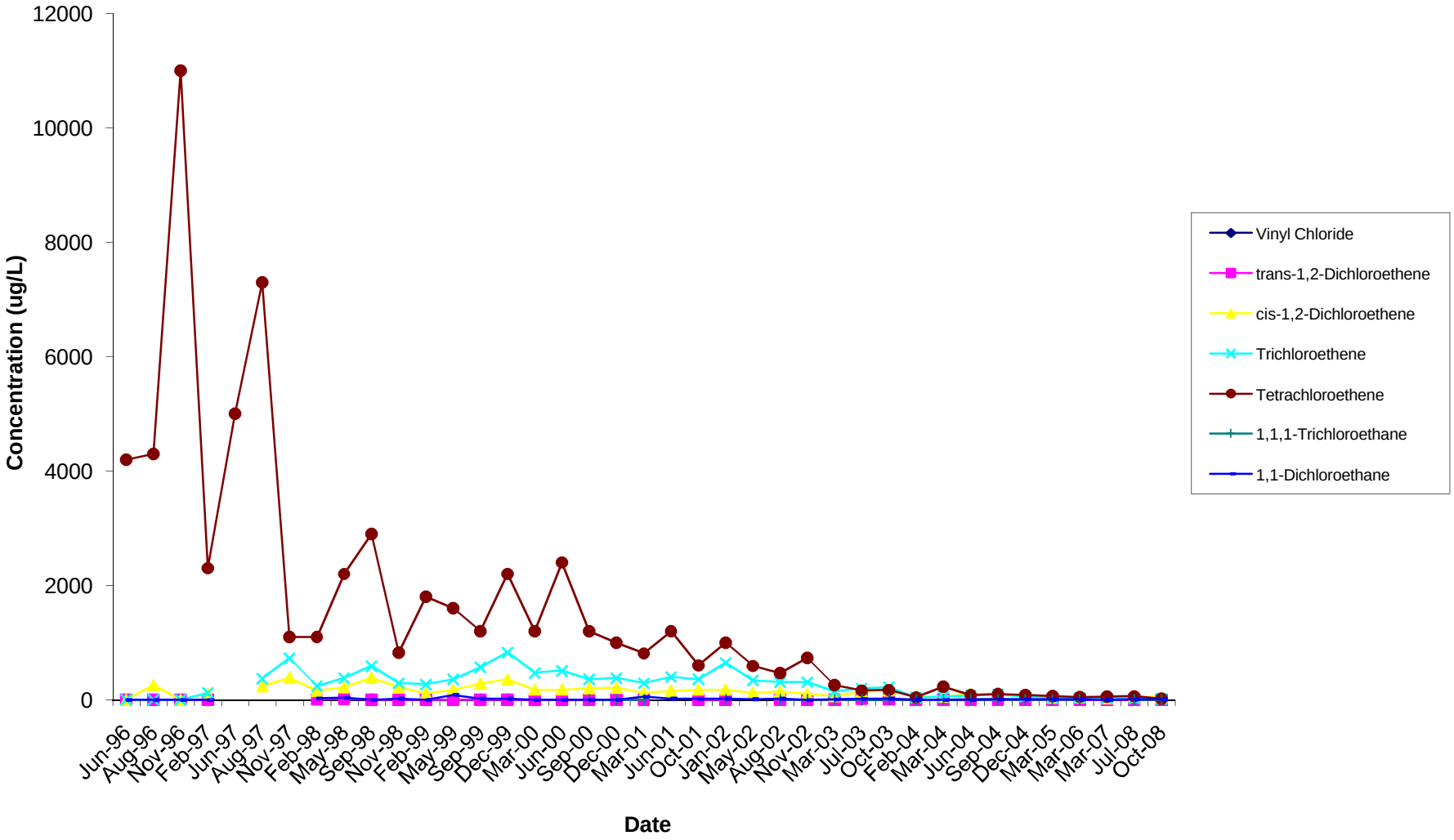
⊙ Sieve Analysis ASTM D422 & D1140
⊙ Hydrometer Analysis ASTM D422

ARCADIS

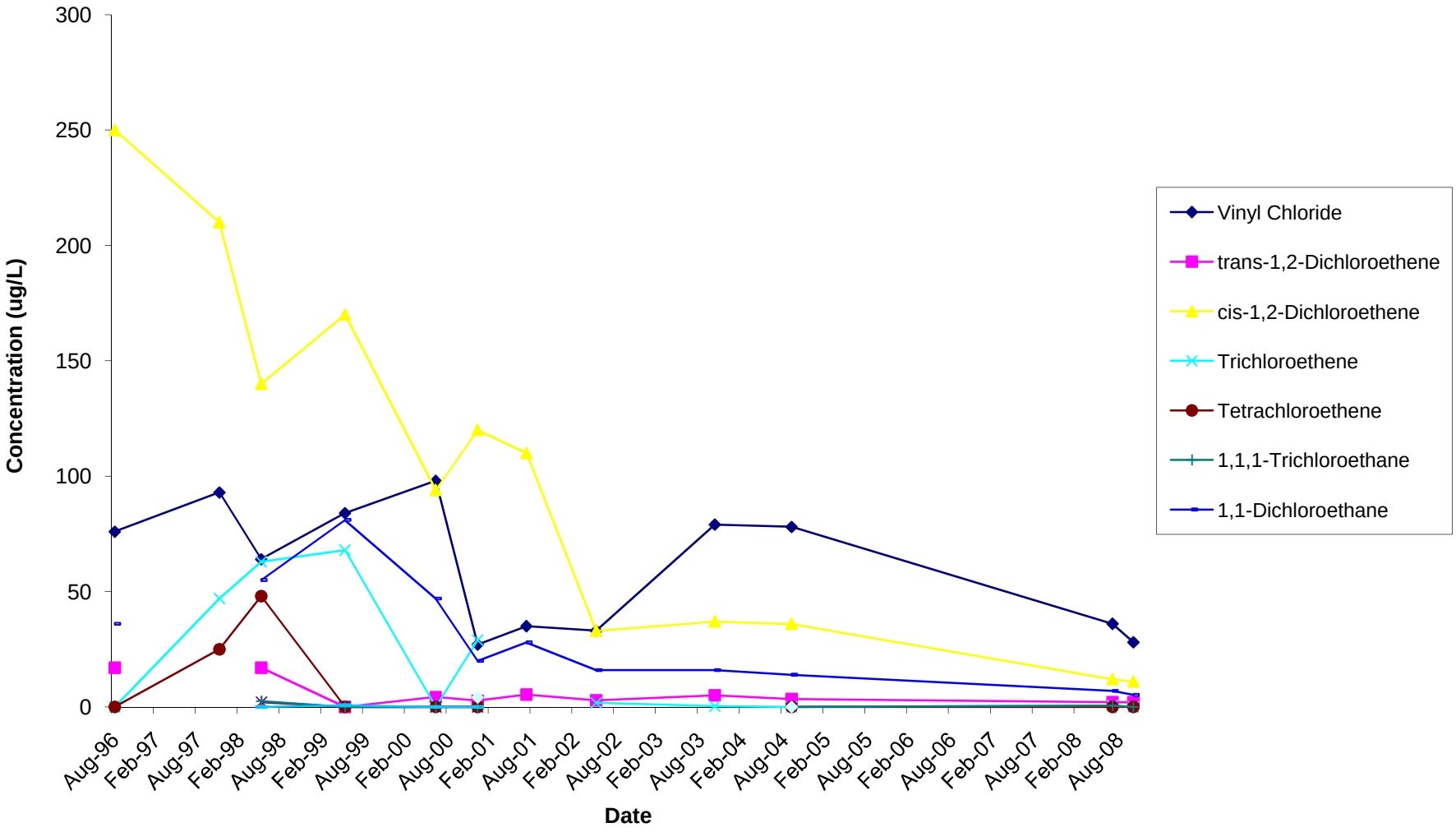
Appendix F

Groundwater Trend Charts

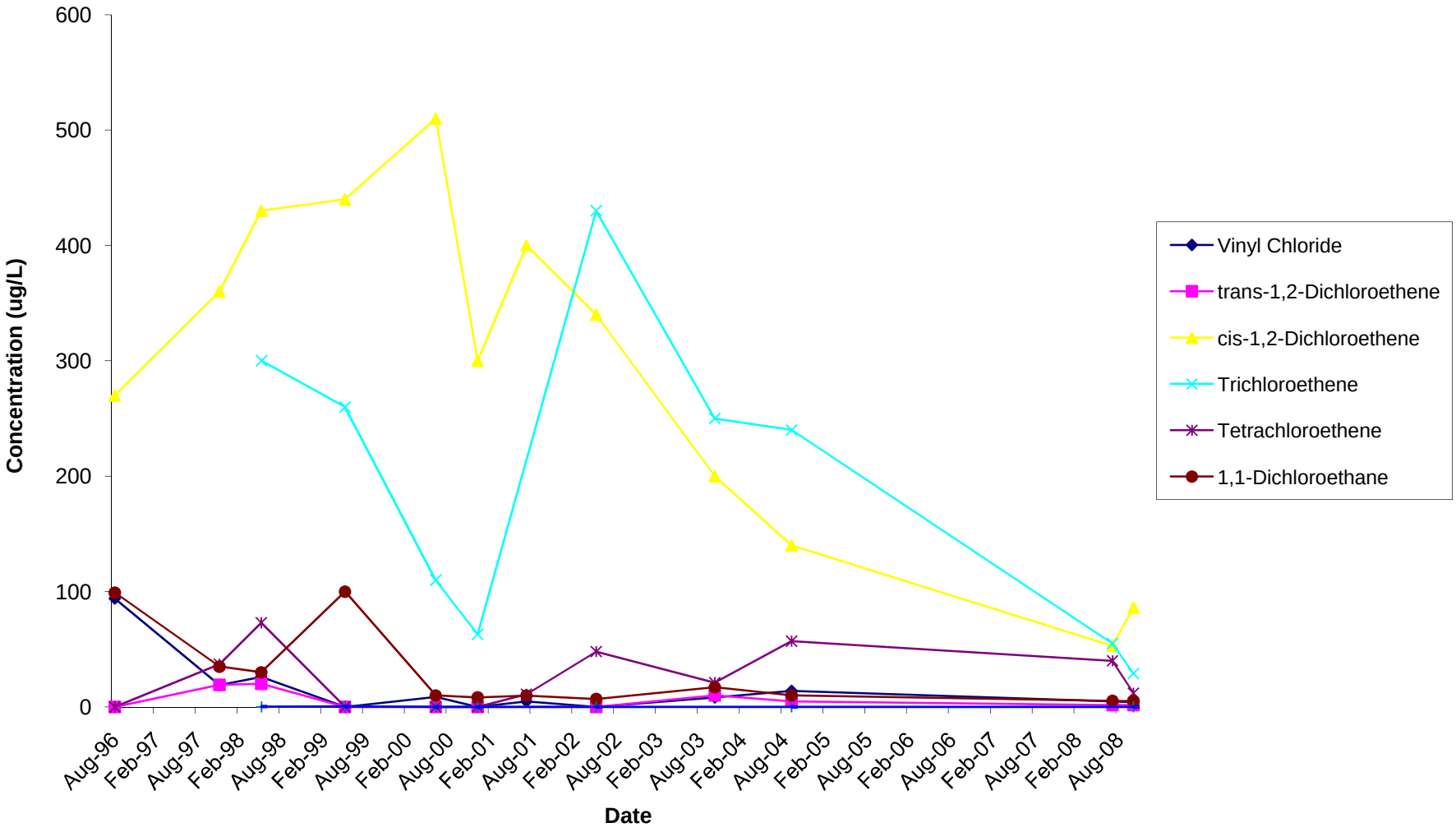
Volatile Organic Compounds (VOCs) Concentrations in Well MW-1, Solvent Dock Area, Former Lockheed Martin Facility, Utica, New York.



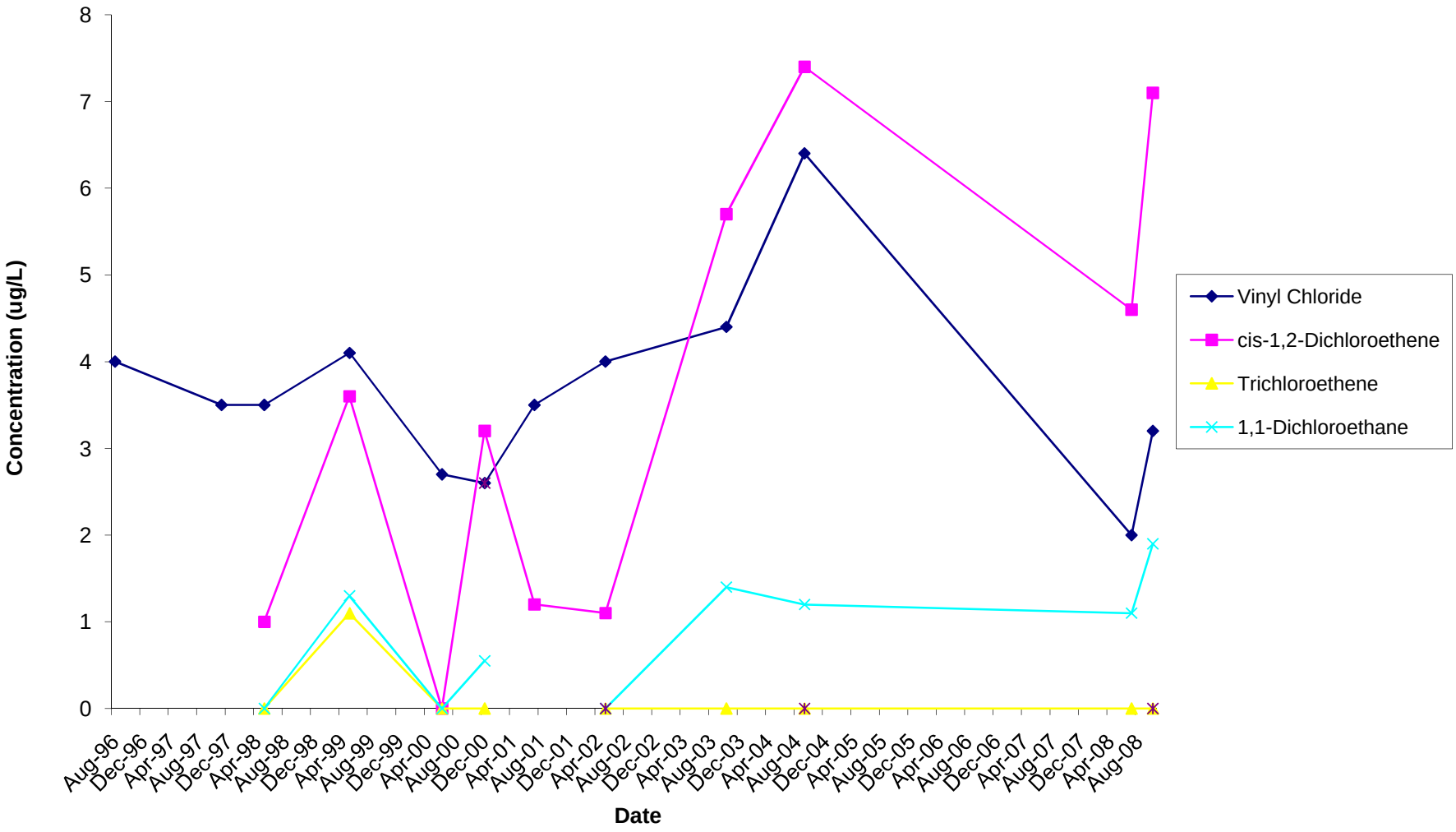
Volatile Organic Compounds (VOCs) Concentrations in Well MW-2, Solvent Dock Area, Former Lockheed Martin Facility, Utica, New York.



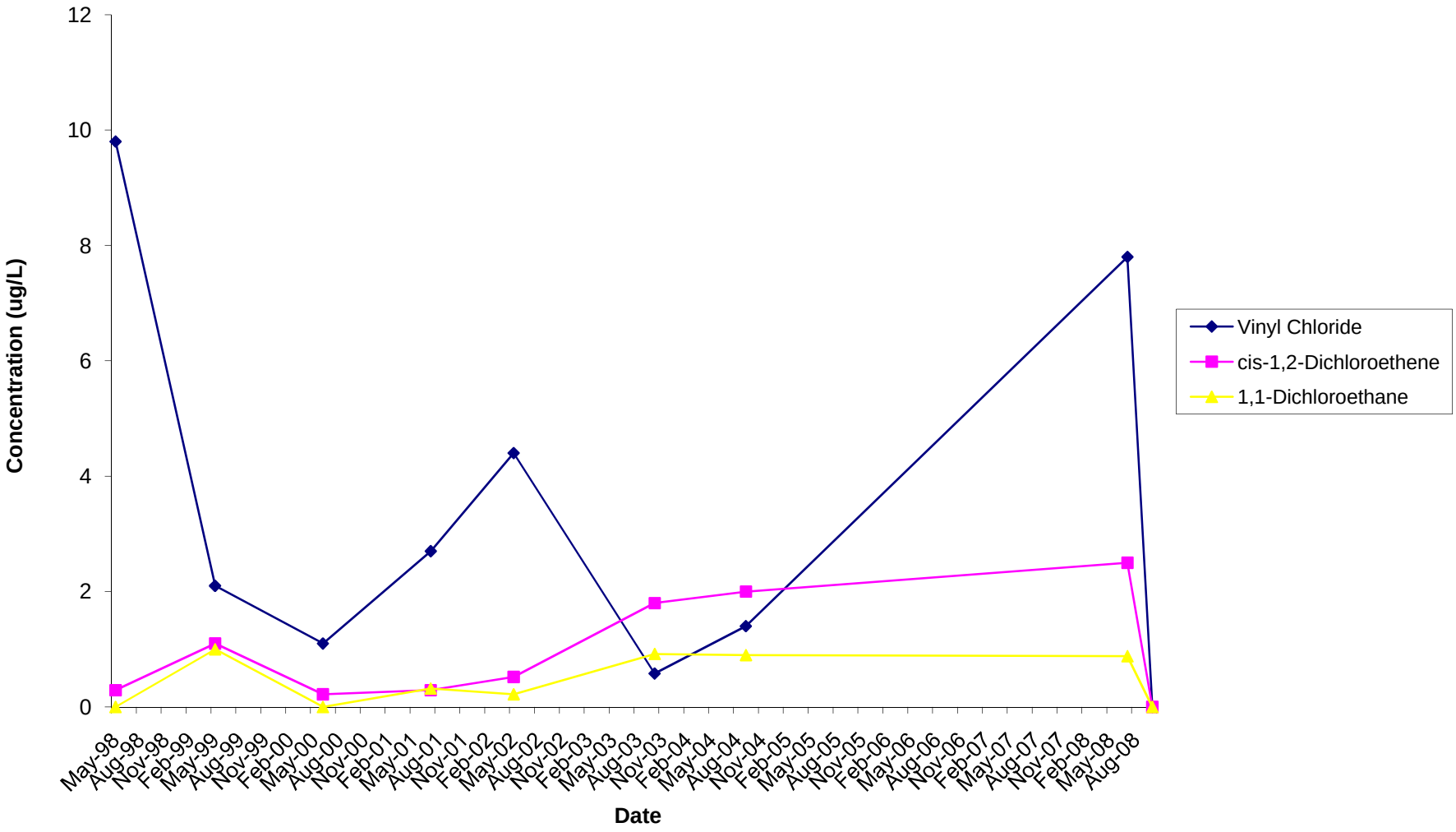
Volatile Organic Compounds (VOCs) Concentrations in Well MW-3, Solvent Dock Area, Former Lockheed Martin Facility, Utica, New York.



Volatile Organic Compounds (VOCs) Concentrations in Well MW-4, Solvent Dock Area, Former Lockheed Martin Facility, Utica, New York.

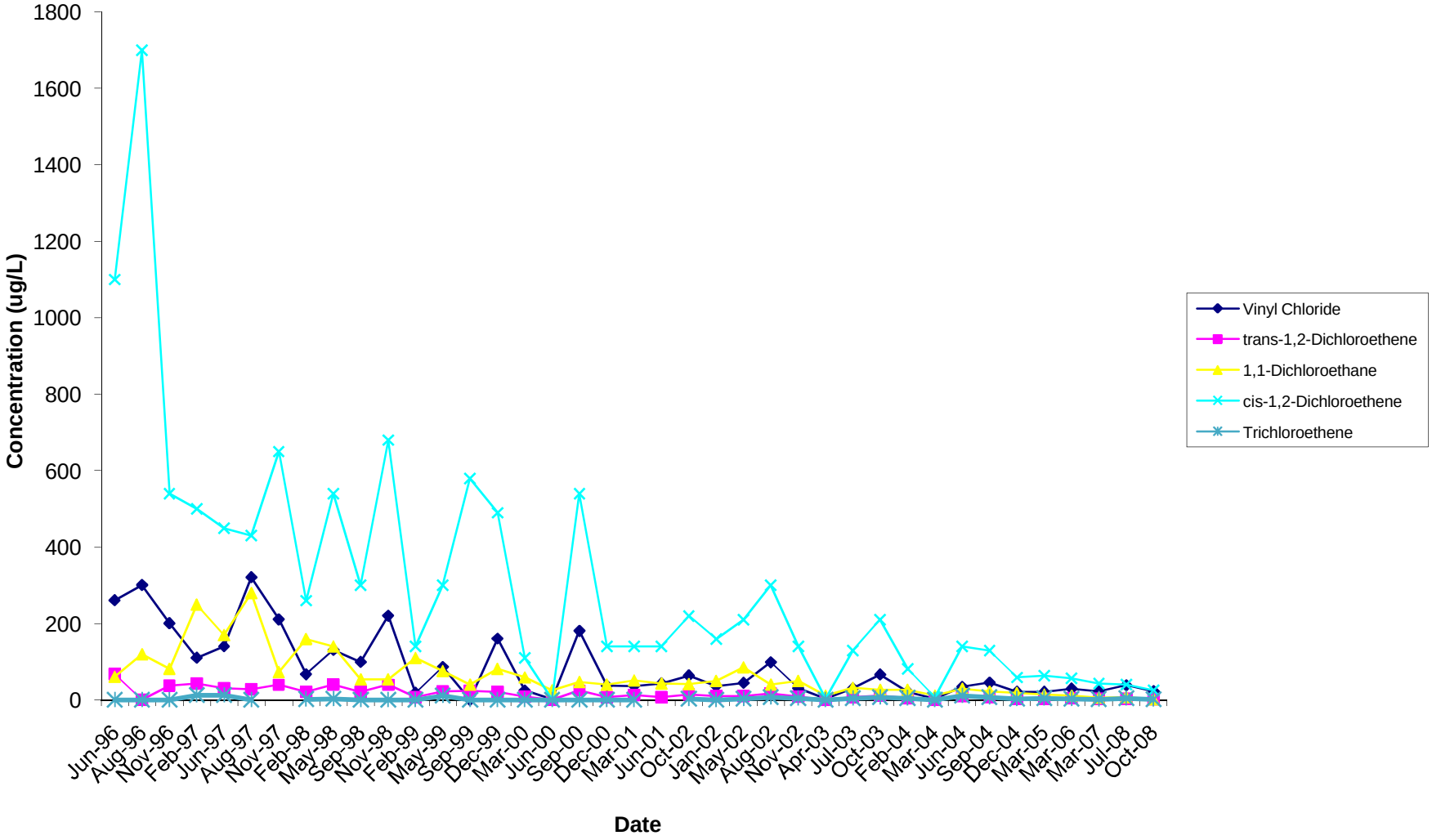


Volatile Organic Compounds (VOCs) Concentrations in Well MW-9, Solvent Dock Area, Former Lockheed Martin Facility, Utica, New York.

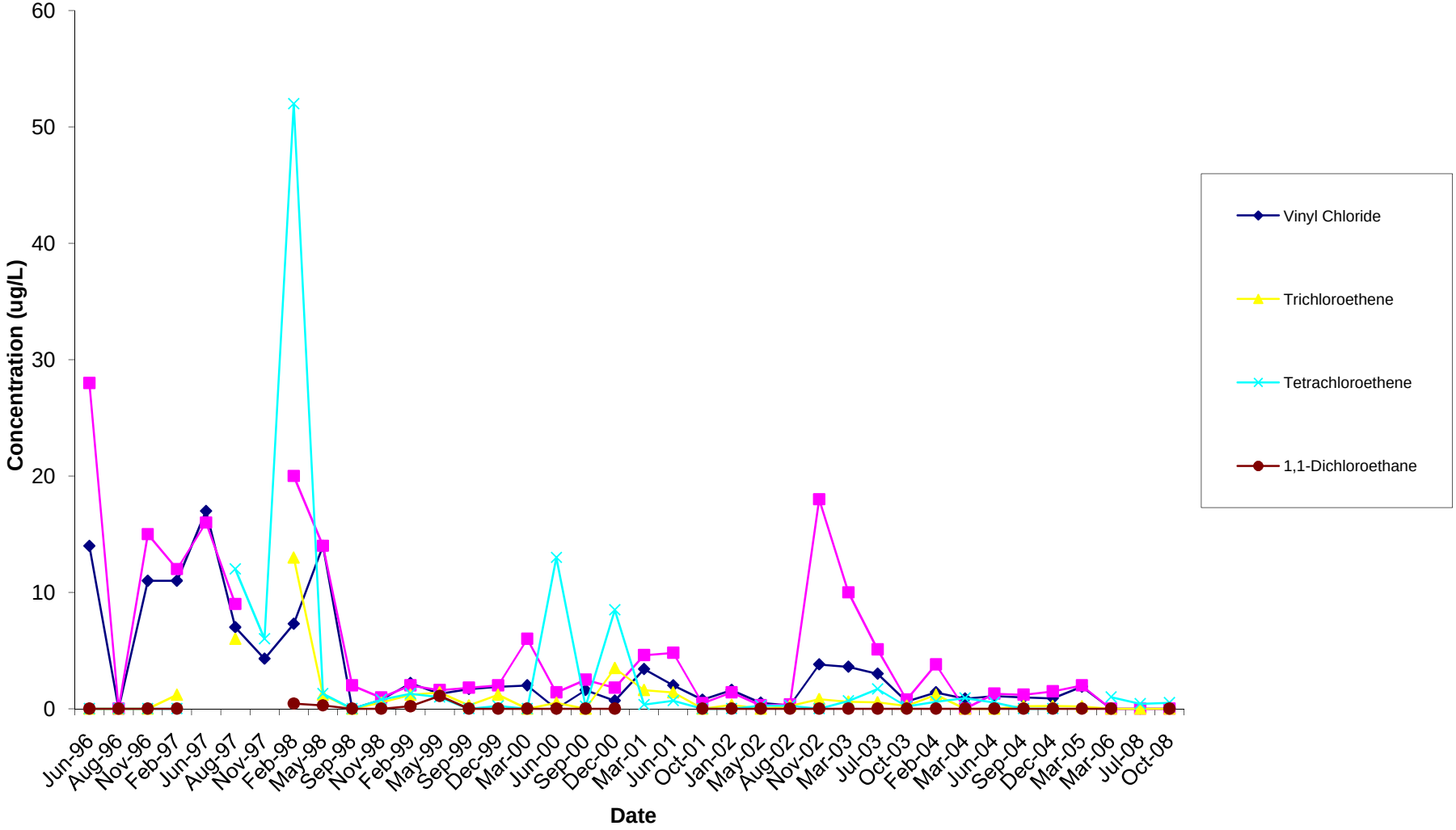


G:\Aproject\Lockheed\Utica\Data\Solvent_GW

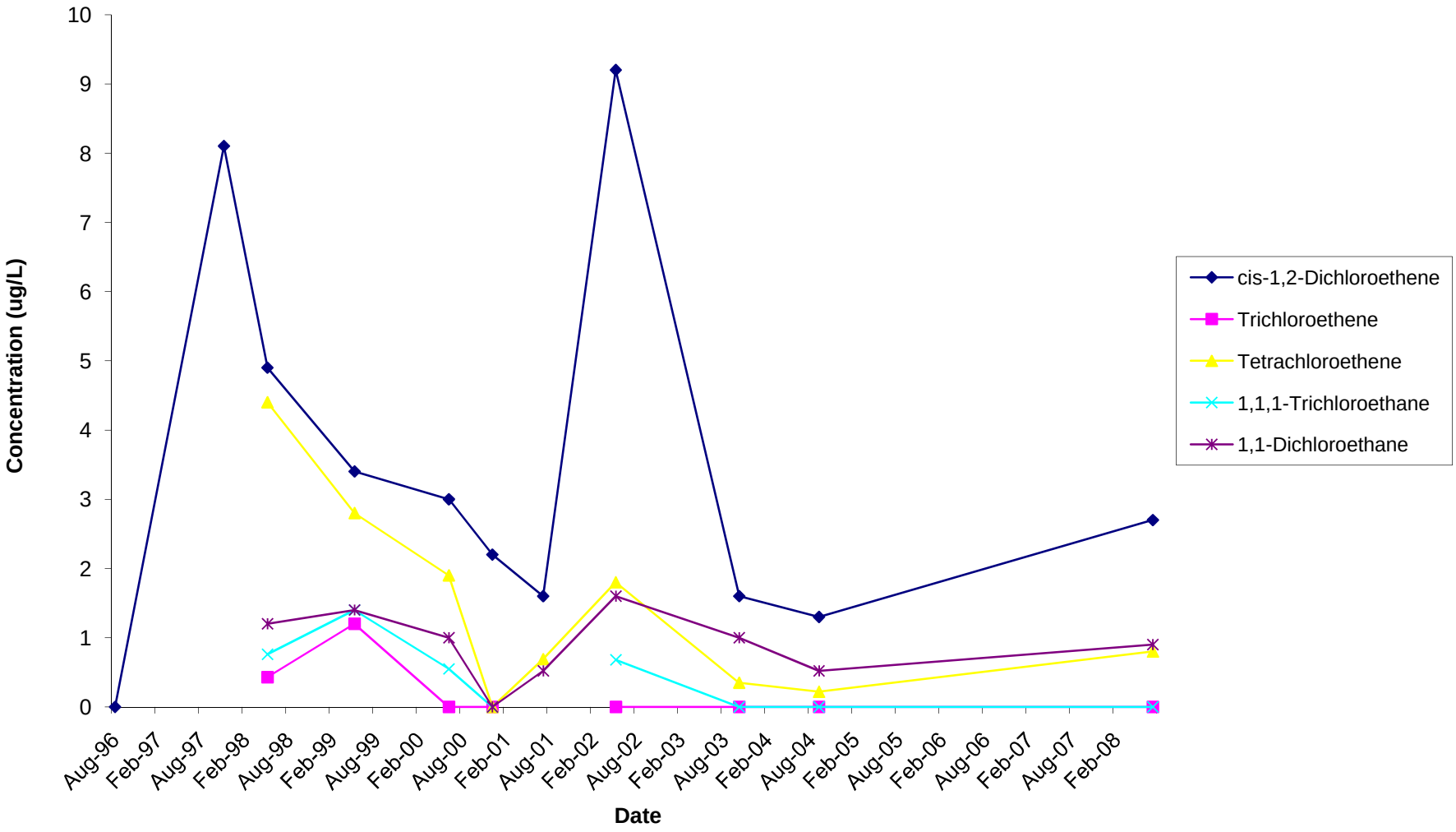
Volatile Organic Compounds (VOCs) Concentrations in Well MW-10, Solvent Dock Area, Former Lockheed Martin Facility, Utica, New York.



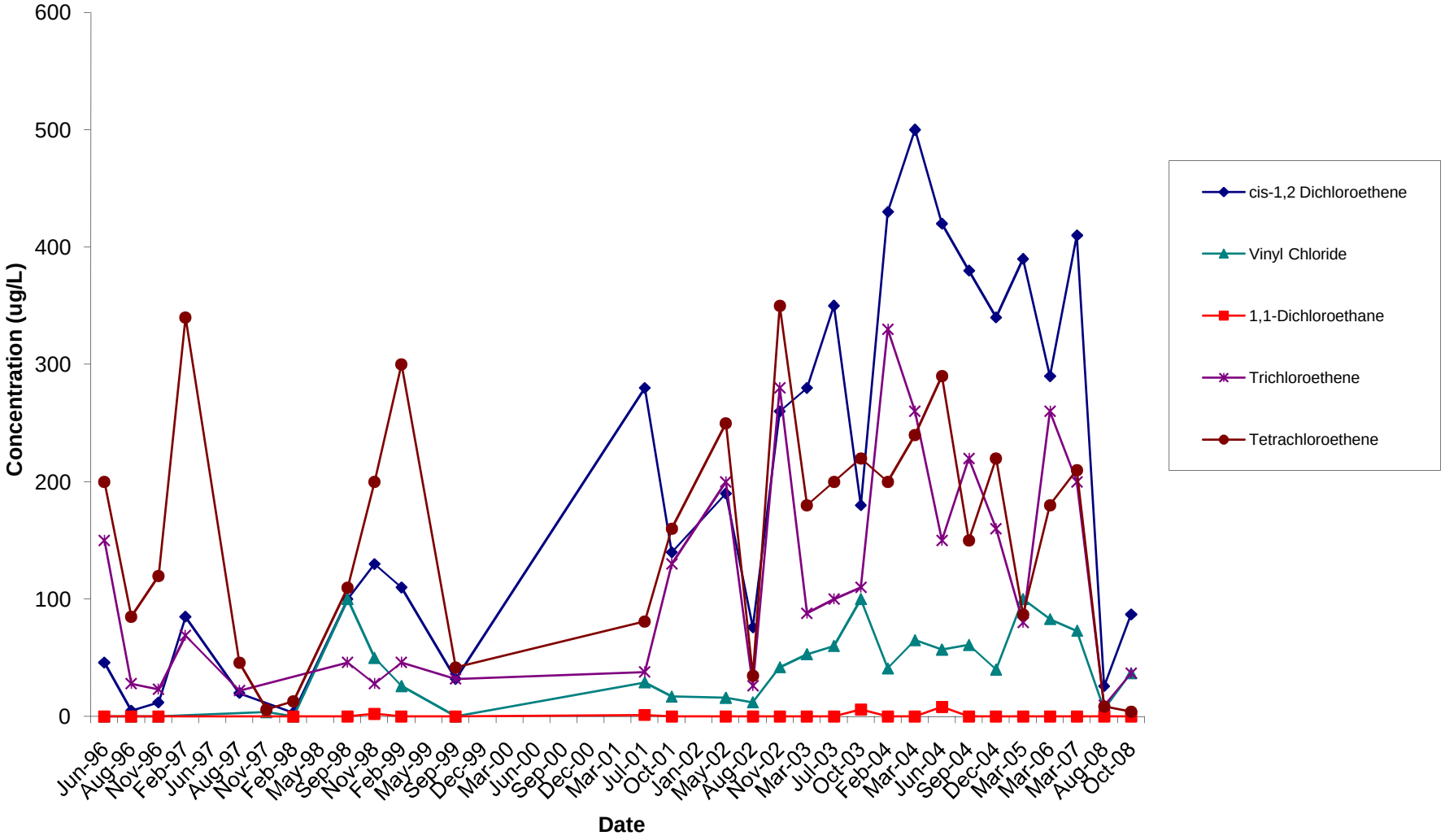
Volatile Organic Compounds (VOCs) Concentrations in Well PZ-2, Solvent Dock Area, Former Lockheed Martin Facility, Utica, New York.



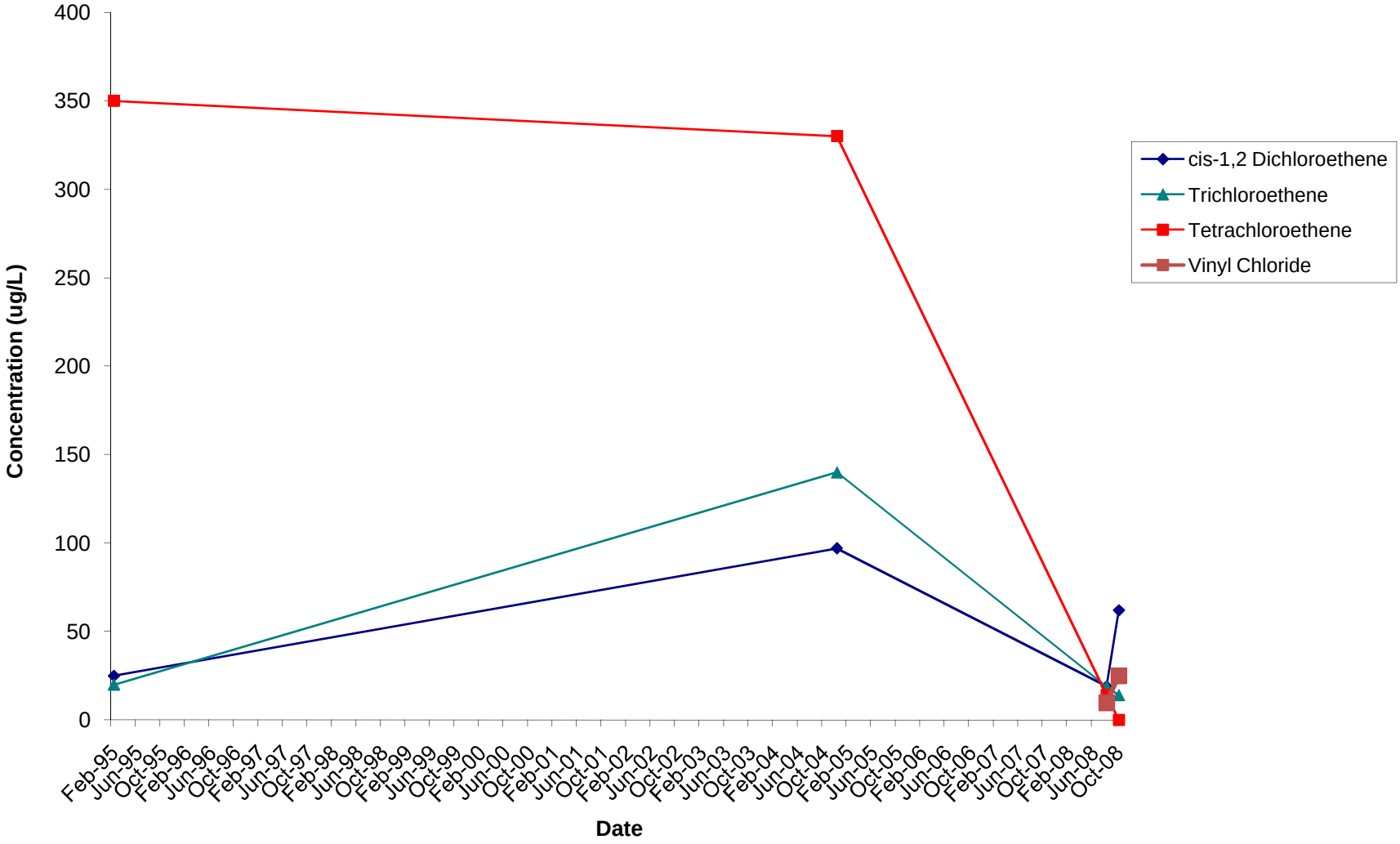
Volatile Organic Compounds (VOCs) Concentrations in Well PZ-4, Solvent Dock Area, Former Lockheed Martin Facility, Utica, New York.



Volatile Organic Compounds (VOCs) Concentrations in Well PZ-5, Solvent Dock Area, Former Lockheed Martin Facility, Utica, New York.



Volatile Organic Compounds (VOCs) Concentrations in Well PZ-6, Solvent Dock Area, Former Lockheed Martin Facility, Utica, New York.



ARCADIS

Appendix G

Laboratory Analytical Data Packages
(electronic format)

ANALYTICAL REPORT

Job#: A08-4849

Project#: NY9A8463
Site Name: ARCADIS
Task: LMC - Utica, NY -- Full TCLP Parameters

Jeff Bonsteel
465 New Karner Road
Albany, NY 12205

TestAmerica Laboratories Inc.

Candace L. Fox
Project Manager

05/16/2008

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TestAmerica Buffalo
Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA,CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	Registration, NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A8484901	TEST PIT 1	SOIL	04/29/2008	12:30	05/01/2008	09:00
A8484902	TEST PIT 2	SOIL	04/29/2008	14:10	05/01/2008	09:00
A8484903	TRIP BLANK	WATER	04/29/2008		05/01/2008	09:00

METHODS SUMMARY

Job#: A08-4849

Project#: NY9A8463
Site Name: ARCADIS

PARAMETER	ANALYTICAL METHOD
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260
METHOD 8260 - TCLP VOLATILES	SW8463 8260
METHOD 8270 - TCLP BASE NEUTRAL/ACID EXTRACTABLES	SW8463 8270
METHOD 8081 - TCLP PESTICIDES	SW8463 8081
METHOD 8082 - POLYCHLORINATED BIPHENYLS	SW8463 8082
METHOD 8151 - TCLP HERBICIDES	SW8463 8151
Arsenic - Total	SW8463 6010
Barium - Total	SW8463 6010
Cadmium - Total	SW8463 6010
Chromium - Total	SW8463 6010
Lead - Total	SW8463 6010
Mercury - Total	SW8463 7470
Selenium - Total	SW8463 6010
Silver - Total	SW8463 6010
Cyanide - Total	SW8463 9012A
Flashpoint	SW8463 1010
H2S Released From Waste	SW8463 SECT7.3
HCN Released From Waste	SW8463 SECT7.3
Hexavalent Chromium - Total	SW8463 7196A
Leachable pH	SW8463 9045
Total Moisture Content	ASTM D2216-90
Toxicity Characteristic Leaching Procedure	SW8463 1311

References:

ASTM "Annual Book of ASTM Standards", American Society for Testing and Materials, Philadelphia, PA.

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-4849

Project#: NY9A8463
Site Name: ARCADIS

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-4849
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC/MS Semivolatile Data

The spike recoveries for 2,4-Dinitrotoluene and Pentachlorophenol were above the laboratory quality control limits in the Matrix Spike Blank Duplicate A8B1470703. Since the Matrix Spike Blank A8B1470702 recoveries were compliant, no corrective action was required.

The analytes 3-Methylphenol and 4-Methylphenol coelute and can not be analytically separated. The reported concentrations for these analytes are a total number, rather than individual quantitated values.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

The analyte Barium was detected in the TCLP Extractor Blank (A8B1466901) at a level above the project established reporting limit. However, the sample had a level of Barium greater than ten times that of the TCLP Extractor Blank value, therefore, no corrective action was necessary.

The analyte Lead was detected in the TCLP Extractor Blank (A8B1466901) at a level above the project established reporting limit. The sample was non-detect for this analyte, therefore, no corrective action was necessary.

Wet Chemistry Data

The recovery of sample TEST PIT 1 Soluable and Insoluable Matrix Spike and Matrix Spike Duplicate exhibited results below the quality control limits for Hexavalent Chromium. However, the LCS was acceptable.

The U.S. EPA has determined the applicability of the Reactive Cyanide and Sulfide tests to be limited in part due to the poor recoveries obtainable with their procedures. The April 1998 memorandum entitled 'Withdrawal of Cyanide and Sulfide Reactivity Guidance' details the justification for this determination. Therefore, in conjunction with these test results, the U.S. EPA recommends the data user apply process or waste knowledge to determine if their waste exhibits the characteristic of reactivity.

Procedures for Hexavalent Chromium in soil require analysis of both Soluble and Insoluble spike samples. The Insoluble spike samples are designated as MS/MSD and the Soluble spike samples are designated as C/D. Due to LIMs limitations, a replicate base sample identifier (suffix=F1) has also been entered to associate base results with and to calculate the Soluble spike results.

The relative percent difference between the Insoluable Matrix Spike and Matrix Spike Duplicate exceed quality control limits for Hexavalent Chromium on sample TEST PIT 1, though all individual analyte recoveries are compliant.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
TEST PIT 1	A8484901MS	Hexavalent Chromium - Total	50.00	008
TEST PIT 1	A8484901SD	Hexavalent Chromium - Total	50.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

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DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
[1]	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: TEST PIT 1
Lab Sample ID: A8484901
Date Collected: 04/29/2008
Time Collected: 12:30

Date Received: 05/01/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
1,1,2,2-Tetrachloroethane	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
1,1,2-Trichloroethane	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
1,1-Dichloroethane	2	J	5	UG/KG	8260	05/05/2008 14:44	TRB
1,1-Dichloroethene	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
1,2,4-Trichlorobenzene	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
1,2-Dibromo-3-chloropropane	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
1,2-Dibromoethane	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
1,2-Dichlorobenzene	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
1,2-Dichloroethane	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
1,2-Dichloropropane	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
1,3-Dichlorobenzene	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
1,4-Dichlorobenzene	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
2-Butanone	ND		27	UG/KG	8260	05/05/2008 14:44	TRB
2-Hexanone	ND		27	UG/KG	8260	05/05/2008 14:44	TRB
4-Methyl-2-pentanone	ND		27	UG/KG	8260	05/05/2008 14:44	TRB
Acetone	15	J	27	UG/KG	8260	05/05/2008 14:44	TRB
Benzene	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Bromodichloromethane	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Bromoform	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Bromomethane	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Carbon Disulfide	2	J	5	UG/KG	8260	05/05/2008 14:44	TRB
Carbon Tetrachloride	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Chlorobenzene	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Chloroethane	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Chloroform	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Chloromethane	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
cis-1,2-Dichloroethene	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
cis-1,3-Dichloropropene	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Cyclohexane	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Dibromochloromethane	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Dichlorodifluoromethane	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Ethylbenzene	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Isopropylbenzene	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Methyl acetate	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Methyl-t-Butyl Ether (MTBE)	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Methylcyclohexane	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Methylene chloride	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Styrene	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Tetrachloroethene	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Toluene	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Total Xylenes	ND		16	UG/KG	8260	05/05/2008 14:44	TRB
trans-1,2-Dichloroethene	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
trans-1,3-Dichloropropene	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Trichloroethene	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Trichlorofluoromethane	ND		5	UG/KG	8260	05/05/2008 14:44	TRB
Vinyl chloride	ND		11	UG/KG	8260	05/05/2008 14:44	TRB

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: TEST PIT 1
Lab Sample ID: A8484901
Date Collected: 04/29/2008
Time Collected: 12:30

Date Received: 05/01/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SW8463 8260 - TCLP VOLATILES - LAB PQLS							
1,1-Dichloroethene	ND		1.0	UG/L	8260	05/14/2008 15:15	RJ
1,2-Dichloroethane	ND		1.0	UG/L	8260	05/14/2008 15:15	RJ
2-Butanone	ND		5.0	UG/L	8260	05/14/2008 15:15	RJ
Benzene	ND		1.0	UG/L	8260	05/14/2008 15:15	RJ
Carbon Tetrachloride	ND		1.0	UG/L	8260	05/14/2008 15:15	RJ
Chlorobenzene	ND		1.0	UG/L	8260	05/14/2008 15:15	RJ
Chloroform	ND		1.0	UG/L	8260	05/14/2008 15:15	RJ
Tetrachloroethene	ND		1.0	UG/L	8260	05/14/2008 15:15	RJ
Trichloroethene	ND		1.0	UG/L	8260	05/14/2008 15:15	RJ
Vinyl chloride	ND		1.0	UG/L	8260	05/14/2008 15:15	RJ
SW8463 8270 - TCLP BNA EXTRACTABLES							
1,4-Dichlorobenzene	ND		0.040	MG/L	8270	05/08/2008 16:22	MD
2,4,5-Trichlorophenol	ND		0.020	MG/L	8270	05/08/2008 16:22	MD
2,4,6-Trichlorophenol	ND		0.020	MG/L	8270	05/08/2008 16:22	MD
2,4-Dinitrotoluene	ND		0.020	MG/L	8270	05/08/2008 16:22	MD
2-Methylphenol	ND		0.020	MG/L	8270	05/08/2008 16:22	MD
3-Methylphenol	ND		0.040	MG/L	8270	05/08/2008 16:22	MD
4-Methylphenol	ND		0.020	MG/L	8270	05/08/2008 16:22	MD
Hexachlorobenzene	ND		0.020	MG/L	8270	05/08/2008 16:22	MD
Hexachlorobutadiene	ND		0.020	MG/L	8270	05/08/2008 16:22	MD
Hexachloroethane	ND		0.020	MG/L	8270	05/08/2008 16:22	MD
Nitrobenzene	ND		0.020	MG/L	8270	05/08/2008 16:22	MD
Pentachlorophenol	ND		0.040	MG/L	8270	05/08/2008 16:22	MD
Pyridine	ND		0.10	MG/L	8270	05/08/2008 16:22	MD
SOIL-SW8463 8082 - PCBS							
Aroclor 1016	ND		18	UG/KG	8082	05/07/2008 14:07	GFD
Aroclor 1221	ND		18	UG/KG	8082	05/07/2008 14:07	GFD
Aroclor 1232	ND		18	UG/KG	8082	05/07/2008 14:07	GFD
Aroclor 1242	ND		18	UG/KG	8082	05/07/2008 14:07	GFD
Aroclor 1248	ND		18	UG/KG	8082	05/07/2008 14:07	GFD
Aroclor 1254	10	J	18	UG/KG	8082	05/07/2008 14:07	GFD
Aroclor 1260	ND		18	UG/KG	8082	05/07/2008 14:07	GFD
SW8463 8081 - TCLP PESTICIDES							
Chlordane	ND		0.0020	MG/L	8081	05/13/2008 00:06	TCH
Endrin	ND		0.00020	MG/L	8081	05/13/2008 00:06	TCH
gamma-BHC (Lindane)	ND		0.00020	MG/L	8081	05/13/2008 00:06	TCH
Heptachlor	ND		0.00020	MG/L	8081	05/13/2008 00:06	TCH
Heptachlor epoxide	ND		0.00020	MG/L	8081	05/13/2008 00:06	TCH
Methoxychlor	ND		0.00020	MG/L	8081	05/13/2008 00:06	TCH
Toxaphene	ND		0.0020	MG/L	8081	05/13/2008 00:06	TCH
SW8463 8151 - TCLP HERBICIDES							
2,4,5-TP (Silvex)	ND		0.0020	MG/L	8151	05/09/2008 05:22	TCH
2,4-D	ND		0.0020	MG/L	8151	05/09/2008 05:22	TCH

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: TEST PIT 1
Lab Sample ID: A8484901
Date Collected: 04/29/2008
Time Collected: 12:30

Date Received: 05/01/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Lead - Total	6.8		1.2	MG/KG	6010	05/05/2008 19:19	TWS
Silver - Total	ND		0.60	MG/KG	6010	05/05/2008 19:19	TWS
TCLP Metals Analysis							
Arsenic - Total	ND		0.010	MG/L	6010	05/06/2008 13:03	TWS
Barium - Total	0.55		0.0020	MG/L	6010	05/06/2008 13:03	TWS
Cadmium - Total	0.0012		0.0010	MG/L	6010	05/06/2008 13:03	TWS
Chromium - Total	ND		0.0040	MG/L	6010	05/06/2008 13:03	TWS
Lead - Total	ND		0.0050	MG/L	6010	05/06/2008 13:03	TWS
Mercury - Total	ND		0.00020	MG/L	7470	05/06/2008 14:19	MM
Selenium - Total	ND		0.015	MG/L	6010	05/06/2008 13:03	TWS
Silver - Total	ND		0.0030	MG/L	6010	05/06/2008 13:03	TWS
Wet Chemistry Analysis							
Cyanide - Total	ND		1.1	UG/G	9012A	05/06/2008 08:45	ERK
Flashpoint	>176.0		0	°F	1010	05/06/2008 13:00	RJP
H2S Released From Waste	ND		10	MG/KG	SECT7.3	05/02/2008 17:00	WM
HCN Released From Waste	ND		10	MG/KG	SECT7.3	05/02/2008 17:00	WM
Hexavalent Chromium - Total	ND		1.7	MG/KG	7196A	05/13/2008 15:00	KD
Leachable pH	9.29		0	S.U.	9045	05/05/2008 10:00	RJP
Total Moisture Content	11.6		0	%	D2216-90	05/07/2008 12:00	JM

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: TEST PIT 1
Lab Sample ID: A8484901F1
Date Collected: 04/29/2008
Time Collected: 12:30

Date Received: 05/01/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Wet Chemistry Analysis							
Hexavalent Chromium - Total	ND		1.7	MG/KG	7196A	05/13/2008 15:00	KD

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: TEST PIT 2
Lab Sample ID: A8484902
Date Collected: 04/29/2008
Time Collected: 14:10

Date Received: 05/01/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
1,1,2,2-Tetrachloroethane	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
1,1,2-Trichloroethane	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
1,1-Dichloroethane	1	J	6	UG/KG	8260	05/05/2008 15:10	TRB
1,1-Dichloroethene	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
1,2,4-Trichlorobenzene	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
1,2-Dibromo-3-chloropropane	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
1,2-Dibromoethane	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
1,2-Dichlorobenzene	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
1,2-Dichloroethane	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
1,2-Dichloropropane	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
1,3-Dichlorobenzene	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
1,4-Dichlorobenzene	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
2-Butanone	ND		28	UG/KG	8260	05/05/2008 15:10	TRB
2-Hexanone	ND		28	UG/KG	8260	05/05/2008 15:10	TRB
4-Methyl-2-pentanone	ND		28	UG/KG	8260	05/05/2008 15:10	TRB
Acetone	ND		28	UG/KG	8260	05/05/2008 15:10	TRB
Benzene	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Bromodichloromethane	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Bromoform	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Bromomethane	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Carbon Disulfide	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Carbon Tetrachloride	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Chlorobenzene	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Chloroethane	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Chloroform	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Chloromethane	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
cis-1,2-Dichloroethene	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
cis-1,3-Dichloropropene	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Cyclohexane	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Dibromochloromethane	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Dichlorodifluoromethane	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Ethylbenzene	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Isopropylbenzene	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Methyl acetate	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Methyl-t-Butyl Ether (MTBE)	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Methylcyclohexane	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Methylene chloride	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Styrene	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Tetrachloroethene	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Toluene	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Total Xylenes	ND		17	UG/KG	8260	05/05/2008 15:10	TRB
trans-1,2-Dichloroethene	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
trans-1,3-Dichloropropene	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Trichloroethene	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Trichlorofluoromethane	ND		6	UG/KG	8260	05/05/2008 15:10	TRB
Vinyl chloride	ND		11	UG/KG	8260	05/05/2008 15:10	TRB

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: TEST PIT 2
Lab Sample ID: A8484902
Date Collected: 04/29/2008
Time Collected: 14:10

Date Received: 05/01/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8082 - PCBS							
Aroclor 1016	ND		18	UG/KG	8082	05/07/2008 14:21	GFD
Aroclor 1221	ND		18	UG/KG	8082	05/07/2008 14:21	GFD
Aroclor 1232	ND		18	UG/KG	8082	05/07/2008 14:21	GFD
Aroclor 1242	ND		18	UG/KG	8082	05/07/2008 14:21	GFD
Aroclor 1248	ND		18	UG/KG	8082	05/07/2008 14:21	GFD
Aroclor 1254	11	J	18	UG/KG	8082	05/07/2008 14:21	GFD
Aroclor 1260	6.2	J	18	UG/KG	8082	05/07/2008 14:21	GFD
Metals Analysis							
Lead - Total	15.8		1.2	MG/KG	6010	05/05/2008 19:24	TWS
Silver - Total	ND		0.58	MG/KG	6010	05/05/2008 19:24	TWS
Wet Chemistry Analysis							
Cyanide - Total	ND		1.0	UG/G	9012A	05/06/2008 08:45	ERK
Hexavalent Chromium - Total	ND		1.7	MG/KG	7196A	05/13/2008 15:00	KD

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: TRIP BLANK
Lab Sample ID: A8484903
Date Collected: 04/29/2008
Time Collected: :

Date Received: 05/01/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
1,1-Dichloroethane	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
1,1-Dichloroethene	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
1,2-Dibromoethane	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
1,2-Dichloroethane	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
1,2-Dichloropropane	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
2-Butanone	ND		25	UG/L	8260	05/05/2008 13:53	TRB
2-Hexanone	ND		25	UG/L	8260	05/05/2008 13:53	TRB
4-Methyl-2-pentanone	ND		25	UG/L	8260	05/05/2008 13:53	TRB
Acetone	ND		25	UG/L	8260	05/05/2008 13:53	TRB
Benzene	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Bromodichloromethane	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Bromoform	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Bromomethane	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Carbon Disulfide	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Carbon Tetrachloride	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Chlorobenzene	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Chloroethane	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Chloroform	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Chloromethane	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
cis-1,2-Dichloroethene	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Cyclohexane	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Dibromochloromethane	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Dichlorodifluoromethane	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Ethylbenzene	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Isopropylbenzene	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Methyl acetate	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Methylcyclohexane	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Methylene chloride	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Styrene	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Tetrachloroethene	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Toluene	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Total Xylenes	ND		15	UG/L	8260	05/05/2008 13:53	TRB
trans-1,2-Dichloroethene	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Trichloroethene	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Trichlorofluoromethane	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB
Vinyl chloride	ND		5.0	UG/L	8260	05/05/2008 13:53	TRB

Batch Quality Control Data

Lab Sample ID: A8485708 A8485708MS A8485708SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			%	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg	RPD	RPD	REC.
METHOD 8260 - STARS VOLATILE ORGANICS												
Benzene	UG/KG	0	54.9	53.4	61.4	61.0	89	88	89	1	25.0	74-128
Toluene	UG/KG	0	53.7	54.4	61.4	61.0	88	89	89	1	25.0	74-123

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A8471009 A8471009MS A8471009SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
CYANIDE ANALYSIS												
TOTAL CYANIDE	UG/L	0	117.8	115.1	100.0	100.0	118 *	115	117	2	15.0	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A8475701 A8475701MS A8475701SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
CYANIDE ANALYSIS METHOD 335.4 - TOTAL CYANIDE (.08)	MG/L	0.0110	0.147	0.153	0.100	0.100	136 *	142 *	139	4	15.0	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A8484901 A8484901MS A8484901SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
HEXAVALENT CHROMIUM ANALYSIS												
HEXAVALENT CHROMIUM	MG/KG	0	626.8	508.9	1118	948.8	56 *	54 *	55	4	20.0	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A8485302 A8485302MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
CYANIDE ANALYSIS METHOD 335.4 - TOTAL CYANIDE	MG/L	0	0.128	0.100	128 *	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Lab Sample ID: A8484901F1 A8484901C A8484901D

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
HEXAVALENT CHROMIUM ANALYSIS												
HEXAVALENT CHROMIUM	MG/KG	0	0	0	10.99	10.99	0 *	0 *	0	0	20.0	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Chronology and QC Summary Package

Client ID		VBLK23		Z-1904					
Job No	Lab ID	A08-4849	A8B1529004	A08-4849	A8B1476901				
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Benzene	UG/L	ND	1.0	ND	1.0	NA		NA	
2-Butanone	UG/L	ND	5.0	ND	5.0	NA		NA	
Carbon Tetrachloride	UG/L	ND	1.0	ND	1.0	NA		NA	
Chlorobenzene	UG/L	ND	1.0	ND	1.0	NA		NA	
Chloroform	UG/L	ND	1.0	ND	1.0	NA		NA	
1,2-Dichloroethane	UG/L	ND	1.0	ND	1.0	NA		NA	
1,1-Dichloroethene	UG/L	ND	1.0	ND	1.0	NA		NA	
Tetrachloroethene	UG/L	ND	1.0	ND	1.0	NA		NA	
Trichloroethene	UG/L	ND	1.0	ND	1.0	NA		NA	
Vinyl chloride	UG/L	ND	1.0	ND	1.0	NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	94	50-200	94	50-200	NA		NA	
1,4-Difluorobenzene	%	95	50-200	92	50-200	NA		NA	
1,4-Dichlorobenzene-D4	%	90	50-200	90	50-200	NA		NA	
Toluene-D8	%	95	71-126	94	71-126	NA		NA	
p-Bromofluorobenzene	%	103	73-120	101	73-120	NA		NA	
1,2-Dichloroethane-D4	%	99	66-137	99	66-137	NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		VBLK88							
Job No	Lab ID	A08-4849	A8B1475802						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/KG	ND	25	NA		NA		NA	
Benzene	UG/KG	ND	5	NA		NA		NA	
Bromodichloromethane	UG/KG	ND	5	NA		NA		NA	
Bromoform	UG/KG	ND	5	NA		NA		NA	
Bromomethane	UG/KG	ND	5	NA		NA		NA	
2-Butanone	UG/KG	ND	25	NA		NA		NA	
Carbon Disulfide	UG/KG	ND	5	NA		NA		NA	
Carbon Tetrachloride	UG/KG	ND	5	NA		NA		NA	
Chlorobenzene	UG/KG	ND	5	NA		NA		NA	
Chloroethane	UG/KG	ND	5	NA		NA		NA	
Chloroform	UG/KG	ND	5	NA		NA		NA	
Chloromethane	UG/KG	ND	5	NA		NA		NA	
Cyclohexane	UG/KG	ND	5	NA		NA		NA	
1,2-Dibromoethane	UG/KG	ND	5	NA		NA		NA	
Dibromochloromethane	UG/KG	ND	5	NA		NA		NA	
1,2-Dibromo-3-chloropropane	UG/KG	ND	5	NA		NA		NA	
1,2-Dichlorobenzene	UG/KG	ND	5	NA		NA		NA	
1,3-Dichlorobenzene	UG/KG	ND	5	NA		NA		NA	
1,4-Dichlorobenzene	UG/KG	ND	5	NA		NA		NA	
Dichlorodifluoromethane	UG/KG	ND	5	NA		NA		NA	
1,1-Dichloroethane	UG/KG	ND	5	NA		NA		NA	
1,2-Dichloroethane	UG/KG	ND	5	NA		NA		NA	
1,1-Dichloroethene	UG/KG	ND	5	NA		NA		NA	
cis-1,2-Dichloroethene	UG/KG	ND	5	NA		NA		NA	
trans-1,2-Dichloroethene	UG/KG	ND	5	NA		NA		NA	
1,2-Dichloropropane	UG/KG	ND	5	NA		NA		NA	
cis-1,3-Dichloropropene	UG/KG	ND	5	NA		NA		NA	
trans-1,3-Dichloropropene	UG/KG	ND	5	NA		NA		NA	
Ethylbenzene	UG/KG	ND	5	NA		NA		NA	
2-Hexanone	UG/KG	ND	25	NA		NA		NA	
Isopropylbenzene	UG/KG	ND	5	NA		NA		NA	
Methyl acetate	UG/KG	ND	5	NA		NA		NA	
Methylcyclohexane	UG/KG	ND	5	NA		NA		NA	
Methylene chloride	UG/KG	ND	5	NA		NA		NA	
4-Methyl-2-pentanone	UG/KG	ND	25	NA		NA		NA	
Methyl-t-Butyl Ether (MTBE)	UG/KG	ND	5	NA		NA		NA	
Styrene	UG/KG	ND	5	NA		NA		NA	
1,1,2,2-Tetrachloroethane	UG/KG	ND	5	NA		NA		NA	
Tetrachloroethene	UG/KG	ND	5	NA		NA		NA	
Toluene	UG/KG	ND	5	NA		NA		NA	
1,2,4-Trichlorobenzene	UG/KG	ND	5	NA		NA		NA	
1,1,1-Trichloroethane	UG/KG	ND	5	NA		NA		NA	
1,1,2-Trichloroethane	UG/KG	ND	5	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		VBLK88							
Job No	Lab ID	A08-4849	A8B1475802						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/KG	ND	5	NA		NA		NA	
Trichlorofluoromethane	UG/KG	ND	5	NA		NA		NA	
Trichloroethene	UG/KG	ND	5	NA		NA		NA	
Vinyl chloride	UG/KG	ND	10	NA		NA		NA	
Total Xylenes	UG/KG	ND	15	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	76	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	76	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	72	50-200	NA		NA		NA	
Toluene-D8	%	113	71-125	NA		NA		NA	
p-Bromofluorobenzene	%	118	72-126	NA		NA		NA	
1,2-Dichloroethane-D4	%	95	61-136	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		VBLK88							
Job No	Lab ID	A08-4849	A8B1475804						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	ND	25	NA		NA		NA	
Benzene	UG/L	ND	5.0	NA		NA		NA	
Bromodichloromethane	UG/L	ND	5.0	NA		NA		NA	
Bromoform	UG/L	ND	5.0	NA		NA		NA	
Bromomethane	UG/L	ND	5.0	NA		NA		NA	
2-Butanone	UG/L	ND	25	NA		NA		NA	
Carbon Disulfide	UG/L	ND	5.0	NA		NA		NA	
Carbon Tetrachloride	UG/L	ND	5.0	NA		NA		NA	
Chlorobenzene	UG/L	ND	5.0	NA		NA		NA	
Chloroethane	UG/L	ND	5.0	NA		NA		NA	
Chloroform	UG/L	ND	5.0	NA		NA		NA	
Chloromethane	UG/L	ND	5.0	NA		NA		NA	
Cyclohexane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dibromoethane	UG/L	ND	5.0	NA		NA		NA	
Dibromochloromethane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dibromo-3-chloropropane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
1,3-Dichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
1,4-Dichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
Dichlorodifluoromethane	UG/L	ND	5.0	NA		NA		NA	
1,1-Dichloroethane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dichloroethane	UG/L	ND	5.0	NA		NA		NA	
1,1-Dichloroethene	UG/L	ND	5.0	NA		NA		NA	
cis-1,2-Dichloroethene	UG/L	ND	5.0	NA		NA		NA	
trans-1,2-Dichloroethene	UG/L	ND	5.0	NA		NA		NA	
1,2-Dichloropropane	UG/L	ND	5.0	NA		NA		NA	
cis-1,3-Dichloropropene	UG/L	ND	5.0	NA		NA		NA	
trans-1,3-Dichloropropene	UG/L	ND	5.0	NA		NA		NA	
Ethylbenzene	UG/L	ND	5.0	NA		NA		NA	
2-Hexanone	UG/L	ND	25	NA		NA		NA	
Isopropylbenzene	UG/L	ND	5.0	NA		NA		NA	
Methyl acetate	UG/L	ND	5.0	NA		NA		NA	
Methylcyclohexane	UG/L	ND	5.0	NA		NA		NA	
Methylene chloride	UG/L	ND	5.0	NA		NA		NA	
4-Methyl-2-pentanone	UG/L	ND	25	NA		NA		NA	
Methyl-t-Butyl Ether (MTBE)	UG/L	ND	5.0	NA		NA		NA	
Styrene	UG/L	ND	5.0	NA		NA		NA	
1,1,2,2-Tetrachloroethane	UG/L	ND	5.0	NA		NA		NA	
Tetrachloroethene	UG/L	ND	5.0	NA		NA		NA	
Toluene	UG/L	ND	5.0	NA		NA		NA	
1,2,4-Trichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
1,1,1-Trichloroethane	UG/L	ND	5.0	NA		NA		NA	
1,1,2-Trichloroethane	UG/L	ND	5.0	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		VBLK88							
Job No	Lab ID	A08-4849	A8B1475804						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	5.0	NA		NA		NA	
Trichlorofluoromethane	UG/L	ND	5.0	NA		NA		NA	
Trichloroethene	UG/L	ND	5.0	NA		NA		NA	
Vinyl chloride	UG/L	ND	5.0	NA		NA		NA	
Total Xylenes	UG/L	ND	15	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	76	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	76	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	72	50-200	NA		NA		NA	
Toluene-D8	%	113	71-126	NA		NA		NA	
p-Bromofluorobenzene	%	118	73-120	NA		NA		NA	
1,2-Dichloroethane-D4	%	95	66-137	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		J-2351		SBLK					
Job No	Lab ID	A08-4849	A8B1470701	A08-4849	A8B1470704				
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,4-Dichlorobenzene	MG/L	ND	0.040	ND	0.040	NA		NA	
2,4-Dinitrotoluene	MG/L	ND	0.020	ND	0.020	NA		NA	
Hexachlorobenzene	MG/L	ND	0.020	ND	0.020	NA		NA	
Hexachlorobutadiene	MG/L	ND	0.020	ND	0.020	NA		NA	
Hexachloroethane	MG/L	ND	0.020	ND	0.020	NA		NA	
3-Methylphenol	MG/L	ND	0.040	ND	0.040	NA		NA	
2-Methylphenol	MG/L	ND	0.020	ND	0.020	NA		NA	
4-Methylphenol	MG/L	ND	0.020	ND	0.020	NA		NA	
Nitrobenzene	MG/L	ND	0.020	ND	0.020	NA		NA	
Pentachlorophenol	MG/L	ND	0.040	ND	0.040	NA		NA	
Pyridine	MG/L	ND	0.10	ND	0.10	NA		NA	
2,4,5-Trichlorophenol	MG/L	ND	0.020	ND	0.020	NA		NA	
2,4,6-Trichlorophenol	MG/L	ND	0.020	ND	0.020	NA		NA	
IS/SURROGATE(S)									
1,4-Dichlorobenzene-D4	%	93	50-200	85	50-200	NA		NA	
Naphthalene-D8	%	98	50-200	89	50-200	NA		NA	
Acenaphthene-D10	%	86	50-200	78	50-200	NA		NA	
Phenanthrene-D10	%	76	50-200	71	50-200	NA		NA	
Chrysene-D12	%	83	50-200	74	50-200	NA		NA	
Perylene-D12	%	94	50-200	84	50-200	NA		NA	
Nitrobenzene-D5	%	70	46-120	71	46-120	NA		NA	
2-Fluorobiphenyl	%	88	48-120	88	48-120	NA		NA	
p-Terphenyl-d14	%	101	24-136	87	24-136	NA		NA	
Phenol-D5	%	29	16-120	31	16-120	NA		NA	
2-Fluorophenol	%	37	20-120	37	20-120	NA		NA	
2,4,6-Tribromophenol	%	110	52-132	107	52-132	NA		NA	

NA = Not Applicable ND = Not Detected

Client ID Job No Sample Date	Lab ID	J-2351 A08-4849	A8B1480911	J-2354 A08-4849	A8B1480910	Method Blank A08-4849	A8B1480909		
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
gamma-BHC (Lindane)	MG/L	ND	0.00020	ND	0.00020	ND	0.00020	NA	
Chlordane	MG/L	ND	0.0020	ND	0.0020	ND	0.0020	NA	
Endrin	MG/L	ND	0.00020	ND	0.00020	ND	0.00020	NA	
Heptachlor	MG/L	ND	0.00020	ND	0.00020	ND	0.00020	NA	
Heptachlor epoxide	MG/L	ND	0.00020	ND	0.00020	ND	0.00020	NA	
Methoxychlor	MG/L	ND	0.00020	ND	0.00020	ND	0.00020	NA	
Toxaphene	MG/L	ND	0.0020	ND	0.0020	ND	0.0020	NA	
SURROGATE(S)									
Tetrachloro-m-xylene	%	72	30-139	68	30-139	49	30-139	NA	
Decachlorobiphenyl	%	63	15-139	66	15-139	30	15-139	NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A08-4849	A8B1467703						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aroclor 1016	UG/KG	ND	16	NA		NA		NA	
Aroclor 1221	UG/KG	ND	16	NA		NA		NA	
Aroclor 1232	UG/KG	ND	16	NA		NA		NA	
Aroclor 1242	UG/KG	ND	16	NA		NA		NA	
Aroclor 1248	UG/KG	ND	16	NA		NA		NA	
Aroclor 1254	UG/KG	ND	16	NA		NA		NA	
Aroclor 1260	UG/KG	ND	16	NA		NA		NA	
SURROGATE(S)									
Tetrachloro-m-xylene	%	84	35-134	NA		NA		NA	
Decachlorobiphenyl	%	97	34-148	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		J-2351		Method Blank					
Job No	Lab ID	A08-4849	A8B1473301	A08-4849	A8B1473304				
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
2,4-D	MG/L	ND	0.0020	ND	0.0020	NA		NA	
2,4,5-TP (Silvex)	MG/L	ND	0.0020	ND	0.0020	NA		NA	
SURROGATE(S)									
Dichlorophenyl Acetic Acid	%	17	11-153	87	11-153	NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A08-4849	A8B1466402						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Lead - Total	MG/KG	ND	1.0	NA		NA		NA	
Silver - Total	MG/KG	ND	0.50	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID Job No Sample Date	Lab ID	Extractor Blank A08-4849	A8B1466901	J-2351 A08-4849	A8B1463701	Method Blank A08-4849	A8B1466905	Method Blank A08-4849	A8B1471103
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Arsenic - Total	MG/L	ND	0.010	NA		ND	0.010	NA	
Barium - Total	MG/L	0.010	0.0020	NA		ND	0.0020	NA	
Chromium - Total	MG/L	ND	0.0040	NA		ND	0.0040	NA	
Lead - Total	MG/L	0.094	0.0050	NA		ND	0.0050	NA	
Selenium - Total	MG/L	ND	0.015	NA		ND	0.015	NA	
Silver - Total	MG/L	ND	0.0030	NA		ND	0.0030	NA	
Cadmium - Total	MG/L	ND	0.0010	NA		ND	0.0010	NA	
Mercury - Total	MG/L	NA		ND	0.00020	NA		ND	0.00020

NA = Not Applicable ND = Not Detected

Client ID Job No Lab ID Sample Date		Method Blank A08-4849 A8B1455704		Method Blank A08-4849 A8B1459704		Method Blank A08-4849 A8B1515802			
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Cyanide - Total	UG/G	ND	1.0	NA		NA		NA	
H2S Released From Waste	MG/KG	NA		ND	10	NA		NA	
Hexavalent Chromium - Total	MG/KG	NA		NA		ND	1.5	NA	
HCN Released From Waste	MG/KG	NA		ND	10	NA		NA	

NA = Not Applicable ND = Not Detected

Client Sample ID: VBLK23 MSB23
Lab Sample ID: A8B1529004 A8B1529003

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - TCLP VOLATILES					
Benzene	UG/L	21.7	25.0	87	77-123
2-Butanone	UG/L	144	125	116	67-131
Carbon Tetrachloride	UG/L	24.3	25.0	97	75-128
Chlorobenzene	UG/L	22.4	25.0	90	77-121
Chloroform	UG/L	23.3	25.0	93	78-120
1,2-Dichloroethane	UG/L	24.5	25.0	98	74-126
Tetrachloroethene	UG/L	25.6	25.0	103	77-120
Trichloroethene	UG/L	22.6	25.0	91	77-123
Vinyl chloride	UG/L	21.5	25.0	86	67-127

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: VBLK88 MSB88
Lab Sample ID: A8B1475802 A8B1475801

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/KG	52.2	50.0	104	65-146
Trichloroethene	UG/KG	52.3	50.0	105	74-127
Benzene	UG/KG	50.3	50.0	101	74-128
Toluene	UG/KG	52.3	50.0	105	74-123
Chlorobenzene	UG/KG	52.9	50.0	106	76-124

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: VBLK88 MSB88
Lab Sample ID: A8B1475804 A8B1475803

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/L	52.2	50.0	104	65-142
Trichloroethene	UG/L	52.3	50.0	105	71-120
Benzene	UG/L	50.3	50.0	101	67-126
Toluene	UG/L	52.3	50.0	105	69-120
Chlorobenzene	UG/L	52.9	50.0	106	73-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: SBLK | Matrix Spike Blank | Matrix Spike Blk Dup
Lab Sample ID: A8B1470704 | A8B1470702 | A8B1470703

Analyte	Units of Measure	Concentration		Spike Amount		% Recovery			%	QC LIMITS	
		Spike Blank	Spike Blank Dup	SB	SBD	SB	SBD	Avg	RPD	RPD	REC.
METHOD 8270 - TCLP BASE NEUTRAL/ACID EXT											
1,4-Dichlorobenzene	MG/L	0.225	0.245	0.400	0.400	56	61	59	8	36.0	32-100
2,4-Dinitrotoluene	MG/L	0.452	0.515	0.400	0.400	113	129 *	121	13	20.0	58-125
Hexachlorobenzene	MG/L	0.435	0.479	0.400	0.400	109	120	115	10	15.0	38-131
Hexachlorobutadiene	MG/L	0.278	0.302	0.400	0.400	70	76	73	8	44.0	30-110
Hexachloroethane	MG/L	0.236	0.258	0.400	0.400	59	64	62	8	46.0	25-103
2-Methylphenol	MG/L	0.268	0.289	0.400	0.400	67	72	70	7	27.0	39-106
3-Methylphenol	MG/L	0.246	0.271	0.400	0.400	62	68	65	9	22.0	33-106
4-Methylphenol	MG/L	0.246	0.271	0.400	0.400	62	68	65	9	24.0	36-103
Nitrobenzene	MG/L	0.282	0.302	0.400	0.400	70	76	73	8	24.0	52-111
Pentachlorophenol	MG/L	0.502	0.613	0.400	0.400	126	153 *	140	19	37.0	39-136
Pyridine	MG/L	0.144	0.153	0.400	0.400	36	38	37	5	49.0	8-120
2,4,5-Trichlorophenol	MG/L	0.420	0.476	0.400	0.400	105	119	112	12	18.0	64-126
2,4,6-Trichlorophenol	MG/L	0.406	0.459	0.400	0.400	102	115	109	12	19.0	64-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank | Matrix Spike Blank | Matrix Spike Blk Dup
Lab Sample ID: A8B1467703 | A8B1467701 | A8B1467702

Analyte	Units of Measure	Concentration		Spike Amount		% Recovery			% RPD	QC LIMITS	
		Spike Blank	Spike Blank Dup	SB	SBD	SB	SBD	Avg		RPD	REC.
METHOD 8082 - POLYCHLORINATED BIPHENYLS											
Aroclor 1260	UG/KG	157	154	166	165	95	93	94	2	50.0	52-140
Aroclor 1016	UG/KG	155	155	166	165	94	94	94	0	50.0	59-154

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank | Matrix Spike Blank | Matrix Spike Blk Dup
Lab Sample ID: A8B1473304 | A8B1473302 | A8B1473303

Analyte	Units of Measure	Concentration		Spike Amount		% Recovery			%	QC LIMITS	
		Spike Blank	Spike Blank Dup	SB	SBD	SB	SBD	Avg	RPD	RPD	REC.
METHOD 8151 - TCLP HERBICIDES											
2,4-D	MG/L	0.00857	0.00741	0.00800	0.00800	107	93	100	14	50.0	43-152
2,4,5-TP (Silvex)	MG/L	0.00890	0.00758	0.00800	0.00800	111	95	103	16	35.0	16-135

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank | Matrix Spike Blank | Matrix Spike Blk Dup
Lab Sample ID: A8B1480909 | A8B1480907 | A8B1480908

Analyte	Units of Measure	Concentration		Spike Amount		% Recovery			%	QC LIMITS	
		Spike Blank	Spike Blank Dup	SB	SBD	SB	SBD	Avg	RPD	RPD	REC.
METHOD 8081 - TCLP PESTICIDES											
gamma-BHC (Lindane)	MG/L	0.00191	0.00169	0.00200	0.00200	96	84	90	13	50.0	46-120
Heptachlor	MG/L	0.00182	0.00163	0.00200	0.00200	91	82	87	10	50.0	25-130
Endrin	MG/L	0.00211	0.00190	0.00200	0.00200	106	95	101	11	50.0	43-134
Heptachlor epoxide	MG/L	0.00214	0.00190	0.00200	0.00200	107	95	101	12	50.0	39-136
Methoxychlor	MG/L	0.00238	0.00210	0.00200	0.00200	119	105	112	12	50.0	52-142

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

ARCADIS GERAGHTY & MILLER
TOTAL METALS
LABORATORY CONTROL SAMPLE

Soil LCS Source: ERA D054-540

Lab Samp ID: A8B1466401
UM: MG/KG

Analyte	True	Found	C	Limits		%R
Lead	120	110		94.1	145	91.7
Silver	96.8	88.0		64.2	129	90.9

Client Sample ID: TEST PIT 1 TEST PIT 1 TEST PIT 1
Lab Sample ID: A8484901 A8484901MS A8484901SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
TCLP METALS TESTING												
TCLP TOTAL MERCURY	MG/L	0	0.00585	0.00603	0.00666	0.00666	88	90	89	2	20.0	80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Extractor Blank LCS
Lab Sample ID: A8B1466901 A8B1466902

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
TCLP METALS TESTING					
TCLP TOTAL ARSENIC	MG/L	1.00	1.00	101	80-120
TCLP TOTAL BARIUM	MG/L	0.984	1.00	97	80-120
TCLP TOTAL CADMIUM	MG/L	0.992	1.00	99	80-120
TCLP TOTAL CHROMIUM	MG/L	0.962	1.00	96	80-120
TCLP TOTAL LEAD	MG/L	1.08	1.00	99	80-120
TCLP TOTAL SELENIUM	MG/L	1.01	1.00	101	80-120
TCLP TOTAL SILVER	MG/L	0.993	1.00	99	80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: J-2351 LCS
Lab Sample ID: A8B1463701 A8B1471102

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
TCLP METALS TESTING					
TCLP TOTAL MERCURY	MG/L	0.00615	0.00666	92	80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SAMPLE DATE 04/29/2008

Client Sample ID: TEST PIT 1 TEST PIT 1 TEST PIT 1
Lab Sample ID: A8484901 A8484901MS A8484901SD

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
WET CHEMISTRY ANALYSIS												
HEXAVALENT CHROMIUM	MG/KG	0	626.8	508.9	1118	948.8	56 *	54 *	55	4	20.0	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

SAMPLE DATE 04/29/2008

Client Sample ID: TEST PIT 1 TEST PIT 1 TEST PIT 1
Lab Sample ID: A8484901F1 A8484901C A8484901D

Analyte	Units of Measure	Concentration			Spike Amount		% Recovery			% RPD	QC LIMITS	
		Sample	Matrix Spike	Spike Duplicate	MS	MSD	MS	MSD	Avg		RPD	REC.
WET CHEMISTRY ANALYSIS												
HEXAVALENT CHROMIUM	MG/KG	0	0	0	10.99	10.99	0 *	0 *	0	0	20.0	75-125

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A8B1455704 A8B1455703

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 9012 - TOTAL CYANIDE	UG/G	84.50	100.0	84	40-160

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A8B1459704 A8B1459703

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
METHOD SECTION 7.3 - REACTIVITY (CYANI	MG/KG	180.4	1000	18	10-100
METHOD SECTION 7.3 - REACTIVITY (SULFI	MG/KG	207.2	570.0	36	10-100

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A8B1515802 A8B1515801

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
HEXAVALENT CHROMIUM	MG/KG	51.10	39.50	129	40-159

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

METHOD 8260 - TCLP VOLATILES

Client Sample ID Job No & Lab Sample ID	TEST PIT 1 A08-4849 A8484901	TEST PIT 2 A08-4849 A8484902			
Sample Date	04/29/2008 12:30				
Received Date	05/01/2008 09:00				
TCLP Date/Time	05/07/2008 09:47				
Extraction Date					
Analysis Date	05/14/2008 15:15				
TCLP Extraction HT Met?	YES				
Extraction HT Met?	-	NA			
Analytical HT Met?	YES				
Sample Matrix	SOIL LOW				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	TEST PIT 1 A08-4849 A8484901	TEST PIT 2 A08-4849 A8484902			
Sample Date	04/29/2008 12:30	04/29/2008 14:10			
Received Date	05/01/2008 09:00	05/01/2008 09:00			
Extraction Date					
Analysis Date	05/05/2008 14:44	05/05/2008 15:10			
Extraction HT Met?	-	-			
Analytical HT Met?	YES	YES			
Sample Matrix	SOIL LOW	SOIL LOW			
Dilution Factor	1.0	1.0			
Sample wt/vol	5.22 GRAMS	5.04 GRAMS			
% Dry	88.61	88.31			

NA = Not Applicable

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	TRIP BLANK A08-4849 A8484903				
Sample Date	04/29/2008				
Received Date	05/01/2008 09:00				
Extraction Date					
Analysis Date	05/05/2008 13:53				
Extraction HT Met?	-				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

METHOD 8260 - TCLP VOLATILES

Client Sample ID Job No & Lab Sample ID	VBLK23 A08-4849 A8B1529004	VBLK88 A08-4849 A8B1475802	VBLK88 A08-4849 A8B1475804	Z-1904 A08-4849 A8B1476901	
Sample Date					
Received Date					
TCLP Date/Time	-			-	
Extraction Date					
Analysis Date	05/14/2008 13:42			05/14/2008 14:51	
TCLP Extraction HT Met?	-			-	
Extraction HT Met?	-	NA	NA	-	
Analytical HT Met?	-			-	
Sample Matrix	SOIL LOW			SOIL LOW	
Dilution Factor	1.0			1.0	
Sample wt/vol	0.005 LITERS			0.005 LITERS	
% Dry					

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	VBLK23 A08-4849 A8B1529004	VBLK88 A08-4849 A8B1475802	VBLK88 A08-4849 A8B1475804	Z-1904 A08-4849 A8B1476901	
Sample Date					
Received Date					
Extraction Date					
Analysis Date		05/05/2008 12:11			
Extraction HT Met?	NA	-	NA	NA	
Analytical HT Met?		-			
Sample Matrix		SOIL LOW			
Dilution Factor		1.0			
Sample wt/vol		5.0 GRAMS			
% Dry		100.00			

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	VBLK23 A08-4849 A8B1529004	VBLK88 A08-4849 A8B1475802	VBLK88 A08-4849 A8B1475804	Z-1904 A08-4849 A8B1476901	
Sample Date					
Received Date					
Extraction Date					
Analysis Date			05/05/2008 12:11		
Extraction HT Met?	NA	NA	-	NA	
Analytical HT Met?			-		
Sample Matrix			WATER		
Dilution Factor			1.0		
Sample wt/vol			0.005 LITERS		
% Dry					

NA = Not Applicable

METHOD 8270 - TCLP BASE NEUTRAL/ACID EXTRACTABLES

Client Sample ID Job No & Lab Sample ID	TEST PIT 1 A08-4849 A8484901				
Sample Date	04/29/2008 12:30				
Received Date	05/01/2008 09:00				
TCLP Date/Time	05/05/2008 05:30				
Extraction Date	05/06/2008 07:00				
Analysis Date	05/08/2008 16:22				
TCLP Extraction HT Met?	YES				
Extraction HT Met?	YES				
Analytical HT Met?	YES				
Sample Matrix	SOIL LOW				
Dilution Factor	1.0				
Sample wt/vol	0.25 LITERS				
% Dry					

NA = Not Applicable

METHOD 8270 - TCLP BASE NEUTRAL/ACID EXTRACTABLES

Client Sample ID Job No & Lab Sample ID	J-2351 A08-4849 A8B1470701	SBLK A08-4849 A8B1470704			
Sample Date					
Received Date					
TCLP Date/Time	-	-			
Extraction Date	05/06/2008 07:00	05/06/2008 07:00			
Analysis Date	05/08/2008 15:59	05/08/2008 15:36			
TCLP Extraction HT Met?	-	-			
Extraction HT Met?	-	-			
Analytical HT Met?	-	-			
Sample Matrix	SOIL LOW	SOIL LOW			
Dilution Factor	1.0	1.0			
Sample wt/vol	0.25 LITERS	0.25 LITERS			
% Dry					

NA = Not Applicable

METHOD 8081 - TCLP PESTICIDES

Client Sample ID Job No & Lab Sample ID	TEST PIT 1 A08-4849 A8484901	TEST PIT 2 A08-4849 A8484902			
Sample Date	04/29/2008 12:30				
Received Date	05/01/2008 09:00				
TCLP Date/Time	05/05/2008 05:30				
Extraction Date	05/07/2008 14:00				
Analysis Date	05/13/2008 00:06				
TCLP Extraction HT Met?	YES				
Extraction HT Met?	YES	NA			
Analytical HT Met?	YES				
Sample Matrix	SOIL LOW				
Dilution Factor	1.0				
Sample wt/vol	0.25 LITERS				
% Dry					

METHOD 8082 - POLYCHLORINATED BIPHENYLS

Client Sample ID Job No & Lab Sample ID	TEST PIT 1 A08-4849 A8484901	TEST PIT 2 A08-4849 A8484902			
Sample Date	04/29/2008 12:30	04/29/2008 14:10			
Received Date	05/01/2008 09:00	05/01/2008 09:00			
Extraction Date	05/06/2008 07:00	05/06/2008 07:00			
Analysis Date	05/07/2008 14:07	05/07/2008 14:21			
Extraction HT Met?	YES	YES			
Analytical HT Met?	YES	YES			
Sample Matrix	SOIL LOW	SOIL LOW			
Dilution Factor	1.0	1.0			
Sample wt/vol	30.44 GRAMS	30.45 GRAMS			
% Dry	88.61	88.31			

METHOD 8151 - TCLP HERBICIDES

Client Sample ID Job No & Lab Sample ID	TEST PIT 1 A08-4849 A8484901	TEST PIT 2 A08-4849 A8484902			
Sample Date	04/29/2008 12:30				
Received Date	05/01/2008 09:00				
TCLP Date/Time	05/05/2008 05:30				
Extraction Date	05/06/2008 14:00				
Analysis Date	05/09/2008 05:22				
TCLP Extraction HT Met?	YES				
Extraction HT Met?	YES	NA			
Analytical HT Met?	YES				
Sample Matrix	SOIL LOW				
Dilution Factor	1.0				
Sample wt/vol	0.25 LITERS				
% Dry					

NA = Not Applicable

METHOD 8081 - TCLP PESTICIDES

Client Sample ID Job No & Lab Sample ID	J-2351 A08-4849 A8B1473301	J-2351 A08-4849 A8B1480911	J-2354 A08-4849 A8B1480910	Method Blank A08-4849 A8B1467703	Method Blank A08-4849 A8B1473304
Sample Date					
Received Date					
TCLP Date/Time		-	-		
Extraction Date		05/07/2008 14:00	05/07/2008 14:00		
Analysis Date		05/12/2008 16:46	05/12/2008 16:12		
TCLP Extraction HT Met?		-	-		
Extraction HT Met?	NA	-	-	NA	NA
Analytical HT Met?		-	-		
Sample Matrix		SOIL LOW	SOIL LOW		
Dilution Factor		1.0	1.0		
Sample wt/vol		0.25 LITERS	0.25 LITERS		
% Dry					

METHOD 8082 - POLYCHLORINATED BIPHENYLS

Client Sample ID Job No & Lab Sample ID	J-2351 A08-4849 A8B1473301	J-2351 A08-4849 A8B1480911	J-2354 A08-4849 A8B1480910	Method Blank A08-4849 A8B1467703	Method Blank A08-4849 A8B1473304
Sample Date					
Received Date					
Extraction Date				05/06/2008 07:00	
Analysis Date				05/07/2008 12:26	
Extraction HT Met?	NA	NA	NA	-	NA
Analytical HT Met?				-	
Sample Matrix				SOIL LOW	
Dilution Factor				1.0	
Sample wt/vol				30.3 GRAMS	
% Dry				100.00	

METHOD 8151 - TCLP HERBICIDES

Client Sample ID Job No & Lab Sample ID	J-2351 A08-4849 A8B1473301	J-2351 A08-4849 A8B1480911	J-2354 A08-4849 A8B1480910	Method Blank A08-4849 A8B1467703	Method Blank A08-4849 A8B1473304
Sample Date					
Received Date					
TCLP Date/Time	-				-
Extraction Date	05/06/2008 14:00				05/06/2008 14:00
Analysis Date	05/08/2008 18:33				05/08/2008 18:03
TCLP Extraction HT Met?	-				-
Extraction HT Met?	-	NA	NA	NA	-
Analytical HT Met?	-				-
Sample Matrix	SOIL LOW				SOIL LOW
Dilution Factor	1.0				1.0
Sample wt/vol	0.25 LITERS				0.25 LITERS
% Dry					

NA = Not Applicable

METHOD 8081 - TCLP PESTICIDES

Client Sample ID Job No & Lab Sample ID	Method Blank A08-4849 A8B1480909				
Sample Date					
Received Date					
TCLP Date/Time	-				
Extraction Date	05/07/2008 14:00				
Analysis Date	05/12/2008 15:39				
TCLP Extraction HT Met?	-				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	SOIL LOW				
Dilution Factor	1.0				
Sample wt/vol	0.25 LITERS				
% Dry					

NA = Not Applicable

Lab ID	Sample ID	Lab	Analyte	Method	DF	% Dry	Sample wt/vol g/L	Sample Date	Receive Date	Analysis Date	ANL INI	A H	Matrix
A8484901	TEST PIT 1	RECNY	Lead - Total	6010	1.0	88.61	0.471 g	04/29/2008 12:30	05/01 09:00	05/05 19:19	TWS	Y	SOIL
		RECNY	Silver - Total	6010	1.0	88.61	0.471 g	04/29/2008 12:30	05/01 09:00	05/05 19:19	TWS	Y	SOIL
A8484902	TEST PIT 2	RECNY	Lead - Total	6010	1.0	88.31	0.488 g	04/29/2008 14:10	05/01 09:00	05/05 19:24	TWS	Y	SOIL
		RECNY	Silver - Total	6010	1.0	88.31	0.488 g	04/29/2008 14:10	05/01 09:00	05/05 19:24	TWS	Y	SOIL

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	T H	Analysis Date	ANL INI	A H	Matrix
A8484901	TEST PIT 1	RECNY	Arsenic - Total	6010	1.0	0.05 L	04/29/08 12:30	05/01 09:00	05/05 05:30	Y	05/06 13:03	TWS	Y	SOIL
		RECNY	Barium - Total	6010	1.0	0.05 L	04/29/08 12:30	05/01 09:00	05/05 05:30	Y	05/06 13:03	TWS	Y	SOIL
		RECNY	Cadmium - Total	6010	1.0	0.05 L	04/29/08 12:30	05/01 09:00	05/05 05:30	Y	05/06 13:03	TWS	Y	SOIL
		RECNY	Chromium - Total	6010	1.0	0.05 L	04/29/08 12:30	05/01 09:00	05/05 05:30	Y	05/06 13:03	TWS	Y	SOIL
		RECNY	Lead - Total	6010	1.0	0.05 L	04/29/08 12:30	05/01 09:00	05/05 05:30	Y	05/06 13:03	TWS	Y	SOIL
		RECNY	Mercury - Total	7470	1.0	0.03 L	04/29/08 12:30	05/01 09:00	05/05 05:30	Y	05/06 14:19	MM	Y	SOIL
		RECNY	Selenium - Total	6010	1.0	0.05 L	04/29/08 12:30	05/01 09:00	05/05 05:30	Y	05/06 13:03	TWS	Y	SOIL
		RECNY	Silver - Total	6010	1.0	0.05 L	04/29/08 12:30	05/01 09:00	05/05 05:30	Y	05/06 13:03	TWS	Y	SOIL

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Lab ID	Sample ID	Lab	Analyte	Method	DF	% Dry	Sample wt/vol	g/L	Sample Date	Receive Date	Analysis Date	ANL INI	A H	Matrix
A8B1466402	Method Blank	RECNY	Lead - Total	6010	1.0	100.00	0.5	g	-	-	05/05 18:59	TWS	Y	SOIL
		RECNY	Silver - Total	6010	1.0	100.00	0.5	g	-	-	05/05 18:59	TWS	Y	SOIL

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	T H	Analysis Date	ANL INI	A H	Matrix
A8B1466901	Extractor Blank	RECNY	Arsenic - Total	6010	1.0	0.05	L	-	-	NA		05/06 12:58	TWS	Y	WATER
		RECNY	Barium - Total	6010	1.0	0.05	L	-	-	NA		05/06 12:58	TWS	Y	WATER
		RECNY	Cadmium - Total	6010	1.0	0.05	L	-	-	NA		05/06 12:58	TWS	Y	WATER
		RECNY	Chromium - Total	6010	1.0	0.05	L	-	-	NA		05/06 12:58	TWS	Y	WATER
		RECNY	Lead - Total	6010	1.0	0.05	L	-	-	NA		05/06 12:58	TWS	Y	WATER
		RECNY	Selenium - Total	6010	1.0	0.05	L	-	-	NA		05/06 12:58	TWS	Y	WATER
		RECNY	Silver - Total	6010	1.0	0.05	L	-	-	NA		05/06 12:58	TWS	Y	WATER
A8B1463701	J-2351	RECNY	Mercury - Total	7470	1.0	0.03	L	-	-	NA		05/06 14:25	MM	Y	SOIL
A8B1466905	Method Blank	RECNY	Arsenic - Total	6010	1.0	0.05	L	-	-	NA		05/06 12:38	TWS	Y	WATER
		RECNY	Barium - Total	6010	1.0	0.05	L	-	-	NA		05/06 12:38	TWS	Y	WATER
		RECNY	Cadmium - Total	6010	1.0	0.05	L	-	-	NA		05/06 12:38	TWS	Y	WATER
		RECNY	Chromium - Total	6010	1.0	0.05	L	-	-	NA		05/06 12:38	TWS	Y	WATER
		RECNY	Lead - Total	6010	1.0	0.05	L	-	-	NA		05/06 12:38	TWS	Y	WATER
		RECNY	Selenium - Total	6010	1.0	0.05	L	-	-	NA		05/06 12:38	TWS	Y	WATER
		RECNY	Silver - Total	6010	1.0	0.05	L	-	-	NA		05/06 12:38	TWS	Y	WATER
A8B1471103	Method Blank	RECNY	Mercury - Total	7470	1.0	0.03	L	-	-	NA		05/06 14:28	MM	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Lab ID	Sample ID	Lab	Analyte	Method	DF	% Dry	Sample wt/vol g/L	Sample Date	Receive Date	Analysis Date	ANL INI	A H	Matrix
A8484901	TEST PIT 1	RECNY	Flashpoint	1010	1.0	88.61		04/29/2008 12:30	05/01 09:00	05/06 13:00	RJP	Y	SOIL
		RECNY	Leachable pH	9045	1.0			04/29/2008 12:30	05/01 09:00	05/05 10:00	RJP	Y	SOIL
		RECNY	HCN Released From Waste	SECT7.3	1.0	88.61		04/29/2008 12:30	05/01 09:00	05/02 17:00	WM	Y	SOIL
		RECNY	H2S Released From Waste	SECT7.3	1.0	88.61		04/29/2008 12:30	05/01 09:00	05/02 17:00	WM	Y	SOIL
		RECNY	Total Moisture Content	D2216-9	1.0	88.61		04/29/2008 12:30	05/01 09:00	05/07 12:00	JM	Y	SOIL
		RECNY	Cyanide - Total	9012A	1.0	88.61	0.5116 g	04/29/2008 12:30	05/01 09:00	05/06 08:45	ERK	Y	SOIL
		RECNY	Hexavalent Chromium - Total	7196A	1.0	88.61	4.9744 g	04/29/2008 12:30	05/01 09:00	05/13 15:00	KD	Y	SOIL
A8484902	TEST PIT 2	RECNY	Cyanide - Total	9012A	1.0	88.31	0.5558 g	04/29/2008 14:10	05/01 09:00	05/06 08:45	ERK	Y	SOIL
		RECNY	Hexavalent Chromium - Total	7196A	1.0	88.31	5.0068 g	04/29/2008 14:10	05/01 09:00	05/13 15:00	KD	Y	SOIL
A8484901F1	TEST PIT 1	RECNY	Hexavalent Chromium - Total	7196A	1.0	88.61	4.9744 g	04/29/2008 12:30	05/01 09:00	05/13 15:00	KD	Y	SOIL

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Lab ID	Sample ID	Lab	Analyte	Method	DF	% Dry	Sample wt/vol	g/L	Sample Date	Receive Date	Analysis Date	ANL INI	A H	Matrix
A8B1455704	Method Blank	RECNY	Cyanide - Total	9012A	1.0	100.00	0.5	g	-	-	05/06 08:45	ERK	Y	SOIL
A8B1459704	Method Blank	RECNY	HCN Released From Waste	SECT7.3	1.0	100.00			-	-	05/02 17:00	WM	Y	SOIL
		RECNY	H2S Released From Waste	SECT7.3	1.0	100.00			-	-	05/02 17:00	WM	Y	SOIL
A8B1515802	Method Blank	RECNY	Hexavalent Chromium - Total	7196A	1.0	100.00	5.0	g	-	-	05/13 15:00	KD	Y	SOIL

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client: ArcadiS	Project Manager: Jeff Bonsteel	Date: 4/29/08	Chain of Custody Number: 395244
Address: 465 New Karner Rd	Telephone Number (Area Code)/Fax Number: 518 452 7826 / 452 4398	Lab Number:	Page 1 of 1
City: ALBany State: NY Zip Code: 12205	Site Contact: Lab Contact: C. Fox		
Project Name and Location (State): Lockheed Martin	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: NJ000630.0001			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): TC metals TC BN	TC Pest, TCLP M/D TC Herb	TC VOC TCLP VOC	PCBs	Flash Pt, LPH % moist CN Rct'd, HS Rct'd	TCLP SVOCs	TCL VOCs 8260	TPB, TAG	TCN 9012	TCr+6			Special Instructions/ Conditions of Receipt
Test Pit 1	4/29/08	1230				✓		✓							1	1	1	1	1	1	1	1	1	1			
Test Pit 2	4/29/08	1410				✓		✓													1	1	1	1			
Trip Blank	—	—		✓							✓										1						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ______ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other______

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Katie Arnold	4/29/08	1630	1. Received By: [signature]	5·1·08	0900
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments
2.0°c

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

64/64

ANALYTICAL REPORT

Job#: A08-5898,A08-5985

Project#: NY9A8463
SDG#: A85898
Site Name: ARCADIS
Task: LMC - Utica, NY -- Full TCLP Parameters

Jeff Bonsteel
465 New Karner Road
Albany, NY 12205

TestAmerica Laboratories Inc.

Candace L. Fox
Project Manager

06/12/2008

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Buffalo
Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA,CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	Registration, NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A8589801	B-1 (2-4)	SOIL	05/19/2008	13:00	05/23/2008	08:45
A8598501	B-1 (2-4)	SOIL	05/19/2008	13:00	05/23/2008	08:45
A8589802	B-1 (4-6)	SOIL	05/19/2008	13:00	05/23/2008	08:45
A8589805	B-2 (10-12)	SOIL	05/20/2008	13:30	05/23/2008	08:45
A8589806	B-2 (28-28.9)	SOIL	05/20/2008	14:00	05/23/2008	08:45
A8589804	B-2 (6-8)	SOIL	05/19/2008	16:00	05/23/2008	08:45
A8589803	B-2 (8-10)	SOIL	05/19/2008	16:00	05/23/2008	08:45
A8598502	B-2 (8-10)	SOIL	05/19/2008	16:00	05/23/2008	08:45
A8589808	Trip Blank	WATER	05/21/2008	00:00	05/23/2008	08:45

METHODS SUMMARY

Job#: A08-5898,A08-5985

Project#: NY9A8463
SDG#: A85898
Site Name: ARCADIS

PARAMETER	ANALYTICAL METHOD
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260
METHOD 8082 - POLYCHLORINATED BIPHENYLS	SW8463 8082
Lead - Total	SW8463 6010
Silver - Total	SW8463 6010
Cyanide - Total	SW8463 9012A
Hexavalent Chromium - Total	SW8463 7196A

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-5898,A08-5985

Project#: NY9A8463
SDG#: A85898
Site Name: ARCADIS

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-5898
Sample Cooler(s) were received at the following temperature(s); 6.0 °C
All samples were received in good condition.
A08-5985
Sample Cooler(s) were received at the following temperature(s); 6.0 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

GC Extractable Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

Hexavalent Chromium was subcontracted to TestAmerica North Canton. The complete subcontract report is included in this report as Appendix A. Comments pertaining to Hexavalent Chromium may be found within the comment summary of the subcontract report.

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The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

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DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
[1]	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: B-1 (2-4)
Lab Sample ID: A8589801
Date Collected: 05/19/2008
Time Collected: 13:00

Date Received: 05/23/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Lead - Total	7.8		1.1	MG/KG	6010	05/27/2008 17:22	TWS
Silver - Total	ND		0.56	MG/KG	6010	05/27/2008 17:22	TWS
Wet Chemistry Analysis							
Cyanide - Total	ND		0.98	UG/G	9012A	05/27/2008 09:41	ERK

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: B-1 (2-4)
Lab Sample ID: A8598501
Date Collected: 05/19/2008
Time Collected: 13:00

Date Received: 05/23/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Wet Chemistry Analysis							
Hexavalent Chromium - Total	ND		0.86	MG/KG	7196A	06/05/2008	SUB

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: B-1 (4-6)
Lab Sample ID: A8589802
Date Collected: 05/19/2008
Time Collected: 13:00

Date Received: 05/23/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8082 - PCBS							
Aroclor 1016	ND		18	UG/KG	8082	05/28/2008 12:11	DW
Aroclor 1221	ND		18	UG/KG	8082	05/28/2008 12:11	DW
Aroclor 1232	ND		18	UG/KG	8082	05/28/2008 12:11	DW
Aroclor 1242	ND		18	UG/KG	8082	05/28/2008 12:11	DW
Aroclor 1248	74		18	UG/KG	8082	05/28/2008 12:11	DW
Aroclor 1254	23		18	UG/KG	8082	05/28/2008 12:11	DW
Aroclor 1260	ND		18	UG/KG	8082	05/28/2008 12:11	DW

Sample ID: B-2 (10-12)
Lab Sample ID: A8589805
Date Collected: 05/20/2008
Time Collected: 13:30

Date Received: 05/23/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
1,1,2,2-Tetrachloroethane	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
1,1,2-Trichloroethane	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
1,1-Dichloroethane	6		6	UG/KG	8260	05/30/2008 03:18	TRB
1,1-Dichloroethene	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
1,2,4-Trichlorobenzene	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
1,2-Dibromo-3-chloropropane	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
1,2-Dibromoethane	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
1,2-Dichlorobenzene	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
1,2-Dichloroethane	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
1,2-Dichloropropane	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
1,3-Dichlorobenzene	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
1,4-Dichlorobenzene	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
2-Butanone	ND		30	UG/KG	8260	05/30/2008 03:18	TRB
2-Hexanone	ND		30	UG/KG	8260	05/30/2008 03:18	TRB
4-Methyl-2-pentanone	ND		30	UG/KG	8260	05/30/2008 03:18	TRB
Acetone	ND		30	UG/KG	8260	05/30/2008 03:18	TRB
Benzene	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Bromodichloromethane	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Bromoform	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Bromomethane	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Carbon Disulfide	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Carbon Tetrachloride	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Chlorobenzene	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Chloroethane	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Chloroform	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Chloromethane	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
cis-1,2-Dichloroethene	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
cis-1,3-Dichloropropene	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Cyclohexane	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Dibromochloromethane	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Dichlorodifluoromethane	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Ethylbenzene	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Isopropylbenzene	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Methyl acetate	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Methyl-t-Butyl Ether (MTBE)	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Methylcyclohexane	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Methylene chloride	17		6	UG/KG	8260	05/30/2008 03:18	TRB
Styrene	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Tetrachloroethene	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Toluene	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Total Xylenes	ND		18	UG/KG	8260	05/30/2008 03:18	TRB
trans-1,2-Dichloroethene	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
trans-1,3-Dichloropropene	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Trichloroethene	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Trichlorofluoromethane	ND		6	UG/KG	8260	05/30/2008 03:18	TRB
Vinyl chloride	9	J	12	UG/KG	8260	05/30/2008 03:18	TRB

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: B-2 (28-28.9)
Lab Sample ID: A8589806
Date Collected: 05/20/2008
Time Collected: 14:00

Date Received: 05/23/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
1,1,2,2-Tetrachloroethane	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
1,1,2-Trichloroethane	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
1,1-Dichloroethane	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
1,1-Dichloroethene	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
1,2,4-Trichlorobenzene	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
1,2-Dibromo-3-chloropropane	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
1,2-Dibromoethane	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
1,2-Dichlorobenzene	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
1,2-Dichloroethane	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
1,2-Dichloropropane	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
1,3-Dichlorobenzene	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
1,4-Dichlorobenzene	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
2-Butanone	ND		27	UG/KG	8260	05/30/2008 03:44	TRB
2-Hexanone	ND		27	UG/KG	8260	05/30/2008 03:44	TRB
4-Methyl-2-pentanone	ND		27	UG/KG	8260	05/30/2008 03:44	TRB
Acetone	50		27	UG/KG	8260	05/30/2008 03:44	TRB
Benzene	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Bromodichloromethane	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Bromoform	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Bromomethane	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Carbon Disulfide	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Carbon Tetrachloride	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Chlorobenzene	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Chloroethane	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Chloroform	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Chloromethane	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
cis-1,2-Dichloroethene	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
cis-1,3-Dichloropropene	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Cyclohexane	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Dibromochloromethane	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Dichlorodifluoromethane	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Ethylbenzene	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Isopropylbenzene	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Methyl acetate	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Methyl-t-Butyl Ether (MTBE)	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Methylcyclohexane	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Methylene chloride	14		5	UG/KG	8260	05/30/2008 03:44	TRB
Styrene	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Tetrachloroethene	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Toluene	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Total Xylenes	ND		16	UG/KG	8260	05/30/2008 03:44	TRB
trans-1,2-Dichloroethene	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
trans-1,3-Dichloropropene	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Trichloroethene	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Trichlorofluoromethane	ND		5	UG/KG	8260	05/30/2008 03:44	TRB
Vinyl chloride	ND		11	UG/KG	8260	05/30/2008 03:44	TRB

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: B-2 (6-8)
Lab Sample ID: A8589804
Date Collected: 05/19/2008
Time Collected: 16:00

Date Received: 05/23/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8082 - PCBS							
Aroclor 1016	ND		19	UG/KG	8082	05/28/2008 12:26	DW
Aroclor 1221	ND		19	UG/KG	8082	05/28/2008 12:26	DW
Aroclor 1232	ND		19	UG/KG	8082	05/28/2008 12:26	DW
Aroclor 1242	ND		19	UG/KG	8082	05/28/2008 12:26	DW
Aroclor 1248	94		19	UG/KG	8082	05/28/2008 12:26	DW
Aroclor 1254	97		19	UG/KG	8082	05/28/2008 12:26	DW
Aroclor 1260	28		19	UG/KG	8082	05/28/2008 12:26	DW

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: B-2 (8-10)
Lab Sample ID: A8589803
Date Collected: 05/19/2008
Time Collected: 16:00

Date Received: 05/23/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
1,1,2,2-Tetrachloroethane	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
1,1,2-Trichloroethane	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
1,1-Dichloroethane	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
1,1-Dichloroethene	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
1,2,4-Trichlorobenzene	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
1,2-Dibromo-3-chloropropane	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
1,2-Dibromoethane	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
1,2-Dichlorobenzene	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
1,2-Dichloroethane	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
1,2-Dichloropropane	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
1,3-Dichlorobenzene	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
1,4-Dichlorobenzene	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
2-Butanone	ND		26	UG/KG	8260	05/30/2008 02:53	TRB
2-Hexanone	ND		26	UG/KG	8260	05/30/2008 02:53	TRB
4-Methyl-2-pentanone	ND		26	UG/KG	8260	05/30/2008 02:53	TRB
Acetone	6	J	26	UG/KG	8260	05/30/2008 02:53	TRB
Benzene	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Bromodichloromethane	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Bromoform	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Bromomethane	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Carbon Disulfide	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Carbon Tetrachloride	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Chlorobenzene	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Chloroethane	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Chloroform	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Chloromethane	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
cis-1,2-Dichloroethene	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
cis-1,3-Dichloropropene	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Cyclohexane	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Dibromochloromethane	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Dichlorodifluoromethane	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Ethylbenzene	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Isopropylbenzene	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Methyl acetate	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Methyl-t-Butyl Ether (MTBE)	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Methylcyclohexane	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Methylene chloride	9		5	UG/KG	8260	05/30/2008 02:53	TRB
Styrene	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Tetrachloroethene	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Toluene	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Total Xylenes	ND		16	UG/KG	8260	05/30/2008 02:53	TRB
trans-1,2-Dichloroethene	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
trans-1,3-Dichloropropene	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Trichloroethene	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Trichlorofluoromethane	ND		5	UG/KG	8260	05/30/2008 02:53	TRB
Vinyl chloride	ND		10	UG/KG	8260	05/30/2008 02:53	TRB

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: B-2 (8-10)
Lab Sample ID: A8589803
Date Collected: 05/19/2008
Time Collected: 16:00

Date Received: 05/23/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Lead - Total	8.7		1.1	MG/KG	6010	05/27/2008 17:27	TWS
Silver - Total	ND		0.54	MG/KG	6010	05/27/2008 17:27	TWS
Wet Chemistry Analysis							
Cyanide - Total	ND		1.0	UG/G	9012A	05/27/2008 09:41	ERK

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: B-2 (8-10)
Lab Sample ID: A8598502
Date Collected: 05/19/2008
Time Collected: 16:00

Date Received: 05/23/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Wet Chemistry Analysis							
Hexavalent Chromium - Total	ND		0.88	MG/KG	7196A	06/05/2008	SUB

Sample ID: Trip Blank
Lab Sample ID: A8589808
Date Collected: 05/21/2008
Time Collected: 00:00

Date Received: 05/23/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
1,1-Dichloroethane	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
1,1-Dichloroethene	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
1,2-Dibromoethane	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
1,2-Dichloroethane	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
1,2-Dichloropropane	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
2-Butanone	ND		25	UG/L	8260	05/30/2008 04:10	TRB
2-Hexanone	ND		25	UG/L	8260	05/30/2008 04:10	TRB
4-Methyl-2-pentanone	ND		25	UG/L	8260	05/30/2008 04:10	TRB
Acetone	ND		25	UG/L	8260	05/30/2008 04:10	TRB
Benzene	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Bromodichloromethane	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Bromoform	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Bromomethane	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Carbon Disulfide	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Carbon Tetrachloride	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Chlorobenzene	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Chloroethane	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Chloroform	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Chloromethane	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
cis-1,2-Dichloroethene	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Cyclohexane	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Dibromochloromethane	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Dichlorodifluoromethane	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Ethylbenzene	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Isopropylbenzene	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Methyl acetate	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Methylcyclohexane	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Methylene chloride	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Styrene	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Tetrachloroethene	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Toluene	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Total Xylenes	ND		15	UG/L	8260	05/30/2008 04:10	TRB
trans-1,2-Dichloroethene	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Trichloroethene	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Trichlorofluoromethane	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB
Vinyl chloride	ND		5.0	UG/L	8260	05/30/2008 04:10	TRB

Chronology and QC Summary Package

Client ID		VBLK03							
Job No	Lab ID	A08-5898	A8B1617502						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/KG	ND	25	NA		NA		NA	
Benzene	UG/KG	ND	5	NA		NA		NA	
Bromodichloromethane	UG/KG	ND	5	NA		NA		NA	
Bromoform	UG/KG	ND	5	NA		NA		NA	
Bromomethane	UG/KG	ND	5	NA		NA		NA	
2-Butanone	UG/KG	ND	25	NA		NA		NA	
Carbon Disulfide	UG/KG	ND	5	NA		NA		NA	
Carbon Tetrachloride	UG/KG	ND	5	NA		NA		NA	
Chlorobenzene	UG/KG	ND	5	NA		NA		NA	
Chloroethane	UG/KG	ND	5	NA		NA		NA	
Chloroform	UG/KG	ND	5	NA		NA		NA	
Chloromethane	UG/KG	ND	5	NA		NA		NA	
Cyclohexane	UG/KG	ND	5	NA		NA		NA	
1,2-Dibromoethane	UG/KG	ND	5	NA		NA		NA	
Dibromochloromethane	UG/KG	ND	5	NA		NA		NA	
1,2-Dibromo-3-chloropropane	UG/KG	ND	5	NA		NA		NA	
1,2-Dichlorobenzene	UG/KG	ND	5	NA		NA		NA	
1,3-Dichlorobenzene	UG/KG	ND	5	NA		NA		NA	
1,4-Dichlorobenzene	UG/KG	ND	5	NA		NA		NA	
Dichlorodifluoromethane	UG/KG	ND	5	NA		NA		NA	
1,1-Dichloroethane	UG/KG	ND	5	NA		NA		NA	
1,2-Dichloroethane	UG/KG	ND	5	NA		NA		NA	
1,1-Dichloroethene	UG/KG	ND	5	NA		NA		NA	
cis-1,2-Dichloroethene	UG/KG	ND	5	NA		NA		NA	
trans-1,2-Dichloroethene	UG/KG	ND	5	NA		NA		NA	
1,2-Dichloropropane	UG/KG	ND	5	NA		NA		NA	
cis-1,3-Dichloropropene	UG/KG	ND	5	NA		NA		NA	
trans-1,3-Dichloropropene	UG/KG	ND	5	NA		NA		NA	
Ethylbenzene	UG/KG	ND	5	NA		NA		NA	
2-Hexanone	UG/KG	ND	25	NA		NA		NA	
Isopropylbenzene	UG/KG	ND	5	NA		NA		NA	
Methyl acetate	UG/KG	ND	5	NA		NA		NA	
Methylcyclohexane	UG/KG	ND	5	NA		NA		NA	
Methylene chloride	UG/KG	ND	5	NA		NA		NA	
4-Methyl-2-pentanone	UG/KG	ND	25	NA		NA		NA	
Methyl-t-Butyl Ether (MTBE)	UG/KG	ND	5	NA		NA		NA	
Styrene	UG/KG	ND	5	NA		NA		NA	
1,1,2,2-Tetrachloroethane	UG/KG	ND	5	NA		NA		NA	
Tetrachloroethene	UG/KG	ND	5	NA		NA		NA	
Toluene	UG/KG	ND	5	NA		NA		NA	
1,2,4-Trichlorobenzene	UG/KG	ND	5	NA		NA		NA	
1,1,1-Trichloroethane	UG/KG	ND	5	NA		NA		NA	
1,1,2-Trichloroethane	UG/KG	ND	5	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		VBLK03							
Job No	Lab ID	A08-5898	A8B1617502						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/KG	ND	5	NA		NA		NA	
Trichlorofluoromethane	UG/KG	ND	5	NA		NA		NA	
Trichloroethene	UG/KG	ND	5	NA		NA		NA	
Vinyl chloride	UG/KG	ND	10	NA		NA		NA	
Total Xylenes	UG/KG	ND	15	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	88	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	89	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	90	50-200	NA		NA		NA	
Toluene-D8	%	108	71-125	NA		NA		NA	
p-Bromofluorobenzene	%	99	72-126	NA		NA		NA	
1,2-Dichloroethane-D4	%	95	61-136	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		VBLK03							
Job No	Lab ID	A08-5898	A8B1617504						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	ND	25	NA		NA		NA	
Benzene	UG/L	ND	5.0	NA		NA		NA	
Bromodichloromethane	UG/L	ND	5.0	NA		NA		NA	
Bromoform	UG/L	ND	5.0	NA		NA		NA	
Bromomethane	UG/L	ND	5.0	NA		NA		NA	
2-Butanone	UG/L	ND	25	NA		NA		NA	
Carbon Disulfide	UG/L	ND	5.0	NA		NA		NA	
Carbon Tetrachloride	UG/L	ND	5.0	NA		NA		NA	
Chlorobenzene	UG/L	ND	5.0	NA		NA		NA	
Chloroethane	UG/L	ND	5.0	NA		NA		NA	
Chloroform	UG/L	ND	5.0	NA		NA		NA	
Chloromethane	UG/L	ND	5.0	NA		NA		NA	
Cyclohexane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dibromoethane	UG/L	ND	5.0	NA		NA		NA	
Dibromochloromethane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dibromo-3-chloropropane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
1,3-Dichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
1,4-Dichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
Dichlorodifluoromethane	UG/L	ND	5.0	NA		NA		NA	
1,1-Dichloroethane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dichloroethane	UG/L	ND	5.0	NA		NA		NA	
1,1-Dichloroethene	UG/L	ND	5.0	NA		NA		NA	
cis-1,2-Dichloroethene	UG/L	ND	5.0	NA		NA		NA	
trans-1,2-Dichloroethene	UG/L	ND	5.0	NA		NA		NA	
1,2-Dichloropropane	UG/L	ND	5.0	NA		NA		NA	
cis-1,3-Dichloropropene	UG/L	ND	5.0	NA		NA		NA	
trans-1,3-Dichloropropene	UG/L	ND	5.0	NA		NA		NA	
Ethylbenzene	UG/L	ND	5.0	NA		NA		NA	
2-Hexanone	UG/L	ND	25	NA		NA		NA	
Isopropylbenzene	UG/L	ND	5.0	NA		NA		NA	
Methyl acetate	UG/L	ND	5.0	NA		NA		NA	
Methylcyclohexane	UG/L	ND	5.0	NA		NA		NA	
Methylene chloride	UG/L	ND	5.0	NA		NA		NA	
4-Methyl-2-pentanone	UG/L	ND	25	NA		NA		NA	
Methyl-t-Butyl Ether (MTBE)	UG/L	ND	5.0	NA		NA		NA	
Styrene	UG/L	ND	5.0	NA		NA		NA	
1,1,2,2-Tetrachloroethane	UG/L	ND	5.0	NA		NA		NA	
Tetrachloroethene	UG/L	ND	5.0	NA		NA		NA	
Toluene	UG/L	ND	5.0	NA		NA		NA	
1,2,4-Trichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
1,1,1-Trichloroethane	UG/L	ND	5.0	NA		NA		NA	
1,1,2-Trichloroethane	UG/L	ND	5.0	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		VBLK03							
Job No	Lab ID	A08-5898	A8B1617504						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	5.0	NA		NA		NA	
Trichlorofluoromethane	UG/L	ND	5.0	NA		NA		NA	
Trichloroethene	UG/L	ND	5.0	NA		NA		NA	
Vinyl chloride	UG/L	ND	5.0	NA		NA		NA	
Total Xylenes	UG/L	ND	15	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	88	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	89	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	90	50-200	NA		NA		NA	
Toluene-D8	%	108	71-126	NA		NA		NA	
p-Bromofluorobenzene	%	99	73-120	NA		NA		NA	
1,2-Dichloroethane-D4	%	95	66-137	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A08-5898	A8B1592503						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Aroclor 1016	UG/KG	ND	16	NA		NA		NA	
Aroclor 1221	UG/KG	ND	16	NA		NA		NA	
Aroclor 1232	UG/KG	ND	16	NA		NA		NA	
Aroclor 1242	UG/KG	ND	16	NA		NA		NA	
Aroclor 1248	UG/KG	ND	16	NA		NA		NA	
Aroclor 1254	UG/KG	ND	16	NA		NA		NA	
Aroclor 1260	UG/KG	ND	16	NA		NA		NA	
SURROGATE(S)									
Tetrachloro-m-xylene	%	84	35-134	NA		NA		NA	
Decachlorobiphenyl	%	97	34-148	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A08-5898	A8B1593502						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Lead - Total	MG/KG	ND	1.0	NA		NA		NA	
Silver - Total	MG/KG	ND	0.50	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A08-5898	A8B1591204						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Cyanide - Total	UG/G	ND	1.0	NA		NA		NA	

NA = Not Applicable ND = Not Detected

SDG: A85898

Client Sample ID: VBLK03 MSB03

Lab Sample ID: A8B1617502 A8B1617501

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/KG	54.2	50.0	108	65-146
Trichloroethene	UG/KG	49.4	50.0	99	74-127
Benzene	UG/KG	48.4	50.0	97	74-128
Toluene	UG/KG	46.6	50.0	93	74-123
Chlorobenzene	UG/KG	47.0	50.0	94	76-124

* Indicates Result is outside QC Limits

NC = Not Calculated ND = Not Detected

SDG: A85898

Client Sample ID: VBLK03 MSB03

Lab Sample ID: A8B1617504 A8B1617503

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/L	54.2	50.0	108	65-142
Trichloroethene	UG/L	49.4	50.0	99	71-120
Benzene	UG/L	48.4	50.0	97	67-126
Toluene	UG/L	46.6	50.0	93	69-120
Chlorobenzene	UG/L	47.0	50.0	94	73-120

* Indicates Result is outside QC Limits

NC = Not Calculated ND = Not Detected

SDG: A85898

Client Sample ID: Method Blank | Matrix Spike Blank | Matrix Spike Blk Dup
Lab Sample ID: A8B1592503 | A8B1592501 | A8B1592502

Analyte	Units of Measure	Concentration		Spike Amount		% Recovery			% RPD	QC LIMITS	
		Spike Blank	Spike Blank Dup	SB	SBD	SB	SBD	Avg		RPD	REC.
METHOD 8082 - POLYCHLORINATED BIPHENYLS											
Aroclor 1260	UG/KG	151	173	165	165	92	105	99	13	50.0	52-140
Aroclor 1016	UG/KG	138	155	165	165	84	94	89	11	50.0	59-154

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

ARCADIS GERAGHTY & MILLER
TOTAL METALS
LABORATORY CONTROL SAMPLE

Soil LCS Source: ERA D055-540

Lab Samp ID: A8B1593501
UM: MG/KG

Analyte	True	Found	C	Limits		%R
Lead	88.9	89.2		72.7	105	100.3
Silver	81.6	80.3		54.1	109	98.4

SDG: A85898

Client Sample ID: Method Blank LCS
Lab Sample ID: A8B1591204 A8B1591203

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS METHOD 9012 - TOTAL CYANIDE	UG/G	86.09	100.0	86	40-160

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	B-2 (10-12) A08-5898 A8589805	B-2 (28-28.9) A08-5898 A8589806	B-2 (8-10) A08-5898 A8589803		
Sample Date	05/20/2008 13:30	05/20/2008 14:00	05/19/2008 16:00		
Received Date	05/23/2008 08:45	05/23/2008 08:45	05/23/2008 08:45		
Extraction Date					
Analysis Date	05/30/2008 03:18	05/30/2008 03:44	05/30/2008 02:53		
Extraction HT Met?	-	-	-		
Analytical HT Met?	YES	YES	YES		
Sample Matrix	SOIL LOW	SOIL LOW	SOIL LOW		
Dilution Factor	1.0	1.0	1.0		
Sample wt/vol	5.01 GRAMS	5.02 GRAMS	5.07 GRAMS		
% Dry	83.31	91.90	94.08		

NA = Not Applicable

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	Trip Blank A08-5898 A8589808				
Sample Date	05/21/2008 00:00				
Received Date	05/23/2008 08:45				
Extraction Date					
Analysis Date	05/30/2008 04:10				
Extraction HT Met?	-				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	VBLK03 A08-5898 A8B1617502	VBLK03 A08-5898 A8B1617504			
Sample Date					
Received Date					
Extraction Date					
Analysis Date	05/29/2008 23:43				
Extraction HT Met?	-	NA			
Analytical HT Met?	-				
Sample Matrix	SOIL LOW				
Dilution Factor	1.0				
Sample wt/vol	5.0 GRAMS				
% Dry	100.00				

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	VBLK03 A08-5898 A8B1617502	VBLK03 A08-5898 A8B1617504			
Sample Date					
Received Date					
Extraction Date					
Analysis Date		05/29/2008 23:43			
Extraction HT Met?	NA	-			
Analytical HT Met?		-			
Sample Matrix		WATER			
Dilution Factor		1.0			
Sample wt/vol		0.005 LITERS			
% Dry					

NA = Not Applicable

METHOD 8082 - POLYCHLORINATED BIPHENYLS

Client Sample ID Job No & Lab Sample ID	B-1 (4-6) A08-5898 A8589802	B-2 (6-8) A08-5898 A8589804			
Sample Date	05/19/2008 13:00	05/19/2008 16:00			
Received Date	05/23/2008 08:45	05/23/2008 08:45			
Extraction Date	05/27/2008 08:00	05/27/2008 08:00			
Analysis Date	05/28/2008 12:11	05/28/2008 12:26			
Extraction HT Met?	YES	YES			
Analytical HT Met?	YES	YES			
Sample Matrix	SOIL LOW	SOIL LOW			
Dilution Factor	1.0	1.0			
Sample wt/vol	30.23 GRAMS	30.97 GRAMS			
% Dry	91.63	85.63			

NA = Not Applicable

METHOD 8082 - POLYCHLORINATED BIPHENYLS

Client Sample ID Job No & Lab Sample ID	Method Blank A08-5898 A8B1592503				
Sample Date					
Received Date					
Extraction Date	05/27/2008 08:00				
Analysis Date	05/28/2008 11:43				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	SOIL LOW				
Dilution Factor	1.0				
Sample wt/vol	30.89 GRAMS				
% Dry	100.00				

NA = Not Applicable

Lab ID	Sample ID	Lab	Analyte	Method	DF	% Dry	Sample wt/vol g/L	Sample Date	Receive Date	Analysis Date	ANL INI	A H	Matrix
A8589801	B-1 (2-4)	RECNY	Lead - Total	6010	1.0	91.28	0.484 g	05/19/2008 13:00	05/23 08:45	05/27 17:22	TWS	Y	SOIL
		RECNY	Silver - Total	6010	1.0	91.28	0.484 g	05/19/2008 13:00	05/23 08:45	05/27 17:22	TWS	Y	SOIL
A8589803	B-2 (8-10)	RECNY	Lead - Total	6010	1.0	94.08	0.494 g	05/19/2008 16:00	05/23 08:45	05/27 17:27	TWS	Y	SOIL
		RECNY	Silver - Total	6010	1.0	94.08	0.494 g	05/19/2008 16:00	05/23 08:45	05/27 17:27	TWS	Y	SOIL

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Lab ID	Sample ID	Lab	Analyte	Method	DF	% Dry	Sample wt/vol g/L	Sample Date	Receive Date	Analysis Date	ANL INI	A H	Matrix
A8B1593502	Method Blank	RECNY	Lead - Total	6010	1.0	100.00	0.5 g	-	-	05/27 15:58	TWS	Y	SOIL
		RECNY	Silver - Total	6010	1.0	100.00	0.5 g	-	-	05/27 15:58	TWS	Y	SOIL

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Lab ID	Sample ID	Lab	Analyte	Method	DF	% Dry	Sample wt/vol g/L	Sample Date	Receive Date	Analysis Date	ANL INI	A H	Matrix
A8589801	B-1 (2-4)	RECNY	Cyanide - Total	9012A	1.0	91.28	0.5565 g	05/19/2008 13:00	05/23 08:45	05/27 09:41	ERK	Y	SOIL
A8598501	B-1 (2-4)	RECNY	Hexavalent Chromium - Total	7196A	1.0		2.5 g	05/19/2008 13:00	05/23 08:45	06/05	SUB	Y	SOIL
A8589803	B-2 (8-10)	RECNY	Cyanide - Total	9012A	1.0	94.08	0.5105 g	05/19/2008 16:00	05/23 08:45	05/27 09:41	ERK	Y	SOIL
A8598502	B-2 (8-10)	RECNY	Hexavalent Chromium - Total	7196A	1.0		2.5 g	05/19/2008 16:00	05/23 08:45	06/05	SUB	Y	SOIL

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Lab ID	Sample ID	Lab	Analyte	Method	DF	% Dry	Sample wt/vol g/L	Sample Date	Receive Date	Analysis Date	ANL INI	A H	Matrix
A8B1591204	Method Blank	RECNY	Cyanide - Total	9012A	1.0	100.00	0.5 g	-	-	05/27 09:41	ERK	Y	SOIL

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Chain of Custody Record

Temperature on Receipt 3.5-8.2

Drinking Water? Yes ☐ No ☑

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

L-4124 (1007)

Client: ARCADIS	Project Manager: Jeff Bernsteel	Date: 05/21/08	Chain of Custody Number: 083454
Address: 465 New Karner Rd.	Telephone Number (Area Code)/Fax Number: (518) 452 7826 / (518) 452 4398	Lab Number:	Page ____ of ____
City: Albany / State: NY / Zip Code: 12205	Site Contact:	Lab Contact: Candace Fox	
Project Name and Location (State): Lockheed Martin	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: NJ000631.0001			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TCN/TCR+6 M9012	TPH/TAG	PCBs M.8082	TCL VOAs M.8260	FCL VOAs	Special Instructions/ Conditions of Receipt
B-1 (2-4')	05/19/08	1300				✓	2						1	1	1			
B-1 (4-6')	05/19/08	1300				✓	1								1			
B-2 (8-10')	05/19/08	1600				✓	3						1	1		1		
B-2 (6-8')	05/19/08	1600				✓	1								1			
B-2 (10-12')	05/20/08	1330				✓	1									1		
B-2 (28-28.9')	05/20/08	1400				✓	1									1		
B-2	05/21/08	0715		✓						2						2		
Trip Blank	—	—		✓						1						1		

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other ____

QC Requirements (Specify):

Relinquished By: Katelyn Mily	Date: 05/21/08	Time: ~~1430~~ 1630	1. Received By: Andrew Szymanski	Date: 5.23.08	Time: 0845
Relinquished By	Date	Time	2. Received By	Date	Time
Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 6.0°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

40/60

Appendix A

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

PROJECT NO. NY9A8463

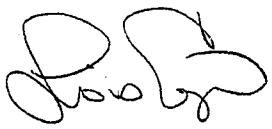
NY9A8463 ARCADIS GERAGHTY

Lot #: A8E290150

Candace Fox

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228

TESTAMERICA LABORATORIES, INC.



Lois D. Ezzo
Project Manager

June 6, 2008

CASE NARRATIVE

A8E290150

The following report contains the analytical results for two solid samples submitted to TestAmerica North Canton by TestAmerica Buffalo from the NY9A8463 Arcadis Geraghty Site, project number NY9A8463. The samples were received May 29, 2008, according to documented sample acceptance procedures.

TestAmerica utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameter(s) listed on the analytical methods summary page in accordance with the method(s) indicated. Preliminary results were provided to Candace Fox on June 05, 2008. A summary of QC data for these analyses is included at the back of the report.

TestAmerica North Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

Any reference within this document to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.)

All solid sample results are reported on an "as received" basis unless otherwise indicated by a dry weight adjustment footnote at the bottom of the analytical report page. The list of parameters which are never reported on a dry weight basis is included on the Sample Summary.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Please refer to the Quality Control Elements Narrative following this case narrative for additional quality control information.

If you have any questions, please call the Project Manager, Lois D. Ezzo, at 330-497-9396.

This report is sequentially paginated. The final page of the report is labeled as "END OF REPORT." The total number of pages in this report is 19.

CASE NARRATIVE (continued)

SUPPLEMENTAL QC INFORMATION

SAMPLE RECEIVING

The temperature of the cooler upon sample receipt was 3.0°C.

GENERAL CHEMISTRY

The analytical results met the requirements of the laboratory's QA/QC program.

QUALITY CONTROL ELEMENTS NARRATIVE

TestAmerica North Canton conducts a quality assurance/quality control (QA/QC) program designed to provide scientifically valid and legally defensible data. Toward this end, several types of quality control indicators are incorporated into the QA/QC program, which is described in detail in QA Policy, QA-003. These indicators are introduced into the sample testing process to provide a mechanism for the assessment of the analytical data.

QC BATCH

Environmental samples are taken through the testing process in groups called QUALITY CONTROL BATCHES (QC batches). A QC batch contains up to twenty environmental samples of a similar matrix (water, soil) that are processed using the same reagents and standards. TestAmerica North Canton requires that each environmental sample be associated with a QC batch.

Several quality control samples are included in each QC batch and are processed identically to the twenty environmental samples.

For SW846/RCRA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD) pair or a MATRIX SPIKE/SAMPLE DUPLICATE (MS/DU) pair. If there is insufficient sample to perform an MS/MSD or an MS/DU, then a LABORATORY CONTROL SAMPLE DUPLICATE (LCSD) is included in the QC batch.

For 600 series/CWA methods, QC samples include a METHOD BLANK (MB), a LABORATORY CONTROL SAMPLE (LCS) and, where appropriate, a MATRIX SPIKE (MS). An MS is prepared and analyzed at a 10% frequency for GC Methods and at a 5% frequency for GC/MS methods.

LABORATORY CONTROL SAMPLE

The Laboratory Control Sample is a QC sample that is created by adding known concentrations of a full or partial set of target analytes to a matrix similar to that of the environmental samples in the QC batch. Multi peak responders may not be included in the target spike list due to co-elution. The LCS analyte recovery results are used to monitor the analytical process and provide evidence that the laboratory is performing the method within acceptable guidelines. All control analytes indicated by a bold type in the LCS must meet acceptance criteria. Failure to meet the established recovery guidelines requires the repreparation and reanalysis of all samples in the QC batch. Comparison of only the failed parameters from the first batch are evaluated. The only exception to the rework requirement is that if the LCS recoveries are biased high and the associated sample is ND (non-detected) for the parameter(s) of interest, the batch is acceptable.

At times, a Laboratory Control Sample Duplicate (LCSD) is also included in the QC batch. An LCSD is a QC sample that is created and handled identically to the LCS. Analyte recovery data from the LCSD is assessed in the same way as that of the LCS. The LCSD recoveries, together with the LCS recoveries, are used to determine the reproducibility (precision) of the analytical system. Precision data are expressed as relative percent differences (RPDs). If the RPD fails for an LCS/LCSD and yet the recoveries are within acceptance criteria, the batch is still acceptable.

METHOD BLANK

The Method Blank is a QC sample consisting of all the reagents used in analyzing the environmental samples contained in the QC batch. Method Blank results are used to determine if interference or contamination in the analytical system could lead to the reporting of false positive data or elevated analyte concentrations. All target analytes must be below the reporting limits (RL) or the associated sample(s) must be ND except under the following circumstances:

- Common organic contaminants may be present at concentrations up to 5 times the reporting limits. Common metals contaminants may be present at concentrations up to 2 times the reporting limit, or the reported blank concentration must be twenty fold less than the concentration reported in the associated environmental samples. (See common laboratory contaminants listed in the table.)

Volatile (GC or GC/MS)	Semivolatile (GC/MS)	Metals ICP-MS	Metals ICP Trace
Methylene Chloride, Acetone, 2-Butanone	Phthalate Esters	Copper, Iron, Zinc, Lead, Calcium, Magnesium, Potassium, Sodium, Barium, Chromium, Manganese	Copper, Iron, Zinc, Lead

QUALITY CONTROL ELEMENTS NARRATIVE (continued)

- Organic blanks will be accepted if compounds detected in the blank are present in the associated samples at levels 10 times the blank level. Inorganic blanks will be accepted if elements detected in the blank are present in the associated samples at 20 times the blank level.

- Blanks will be accepted if the compounds/elements detected are not present in any of the associated environmental samples.

Failure to meet these Method Blank criteria requires the repreparation and reanalysis of all samples in the QC batch.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

A Matrix Spike and a Matrix Spike Duplicate are a pair of environmental samples to which known concentrations of a full or partial set of target analytes are added. The MS/MSD results are determined in the same manner as the results of the environmental sample used to prepare the MS/MSD. The analyte recoveries and the relative percent differences (RPDs) of the recoveries are calculated and used to evaluate the effect of the sample matrix on the analytical results. Due to the potential variability of the matrix of each sample, the MS/MSD results may not have an immediate bearing on any samples except the one spiked; therefore, the associated batch MS/MSD may not reflect the same compounds as the samples contained in the analytical report. When these MS/MSD results fail to meet acceptance criteria, the data is evaluated. If the LCS is within acceptance criteria, the batch is considered acceptable.

For certain methods, a Matrix Spike/Sample Duplicate (MS/DU) may be included in the QC batch in place of the MS/MSD. For the parameters (i.e. pH, ignitability) where it is not possible to prepare a spiked sample, a Sample Duplicate may be included in the QC batch. However, a Sample Duplicate is less likely to provide usable precision statistics depending on the likelihood of finding concentrations below the standard reporting limit. When the Sample Duplicate result fails to meet acceptance criteria, the data is evaluated.

For certain methods (600 series methods/CWA), a Matrix Spike is required in place of a Matrix Spike/Matrix Spike Duplicate (MS/MSD) or Matrix Spike/Sample Duplicate (MS/DU).

The acceptance criteria do not apply to samples that are diluted.

SURROGATE COMPOUNDS

In addition to these batch-related QC indicators, each organic environmental and QC sample is spiked with surrogate compounds. Surrogates are organic chemicals that behave similarly to the analytes of interest and that are rarely present in the environment. Surrogate recoveries are used to monitor the individual performance of a sample in the analytical system.

If surrogate recoveries are biased high in the LCS, LCSD, or the Method Blank, and the associated sample(s) are ND, the batch is acceptable. Otherwise, if the LCS, LCSD, or Method Blank surrogate(s) fail to meet recovery criteria, the entire sample batch is reprepared and reanalyzed. If the surrogate recoveries are outside criteria for environmental samples, the samples will be reprepared and reanalyzed unless there is objective evidence of matrix interference or if the sample dilution is greater than the threshold outlined in the associated method SOP.

The acceptance criteria do not apply to samples that are diluted. All other surrogate recoveries will be reported.

For the GC/MS BNA methods, the surrogate criterion is that two of the three surrogates for each fraction must meet acceptance criteria. The third surrogate must have a recovery of ten percent or greater.

For the Pesticide and PCB methods, the surrogate criterion is that one of two surrogate compounds must meet acceptance criteria. The second surrogate must have a recovery of 10% or greater.

EXECUTIVE SUMMARY - Detection Highlights

A8E290150

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
B-1 (2-4) 05/19/08 13:00 001				
Percent Solids	93.3	10.0	%	MCAWW 160.3 MOD
B-2 (8-10) 05/19/08 16:00 002				
Percent Solids	91.0	10.0	%	MCAWW 160.3 MOD

ANALYTICAL METHODS SUMMARY

A8E290150

PARAMETER	ANALYTICAL METHOD
Hexavalent Chromium	SW846 7196A
Total Residue as Percent Solids	MCAWW 160.3 MOD

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

A8E290150

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
KN2EL	001	B-1 (2-4)	05/19/08	13:00
KN2EP	002	B-2 (8-10)	05/19/08	16:00

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

TestAmerica Buffalo

Client Sample ID: B-1 (2-4)

General Chemistry

Lot-Sample #...: A8E290150-001 **Work Order #...:** KN2EL **Matrix.....:** SO
Date Sampled...: 05/19/08 13:00 **Date Received..:** 05/29/08
% Moisture.....: 6.7

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium	ND	0.86	mg/kg	SW846 7196A	06/04-06/05/08	8156299
		Dilution Factor: 1				
Percent Solids	**93.3**	**10.0**	**%**	**MCAWW 160.3 MOD**	**05/30-06/02/08**	**8151407**
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

TestAmerica Buffalo

Client Sample ID: B-2 (8-10)

General Chemistry

Lot-Sample #...: A8E290150-002 Work Order #...: KN2EP Matrix.....: SO
Date Sampled...: 05/19/08 16:00 Date Received..: 05/29/08
% Moisture.....: 9.0

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium	ND	0.88	mg/kg	SW846 7196A	06/04-06/05/08	8156299
	Dilution Factor: 1					
Percent Solids	91.0	10.0	%	MCAWW 160.3 MOD	05/30-06/02/08	8151407
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

QUALITY CONTROL SECTION

METHOD BLANK REPORT

General Chemistry

Client Lot #...: A8E290150 **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium		Work Order #: KPFLR1AA		MB Lot-Sample #:	A8F040000-299	
	ND	0.80	mg/kg	SW846 7196A	06/04-06/05/08	8156299
		Dilution Factor: 1				
Percent Solids		Work Order #: KN56H1AA		MB Lot-Sample #:	A8E300000-407	
	ND	10.0	%	MCAWW 160.3 MOD	05/30-06/02/08	8151407
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: A8E290150 **Matrix.....:** SOLID

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Hexavalent Chromium		Work Order #: KPFLR1AC	LCS Lot-Sample#: A8F040000-299		
	95	(10 - 200)	SW846 7196A	06/04-06/05/08	8156299
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A8E290150 **Work Order #...:** KN2FK-SMP **Matrix.....:** SOLID
KN2FK-DUP
Date Sampled...: 05/27/08 13:19 **Date Received..:** 05/29/08
% Moisture.....: 6.6

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #: A8E290135-002		
	93.4	92.7	%	0.70	(0-20)	MCAWW 160.3 MOD	05/30-06/02/08	8151407

Dilution Factor: 1

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: A8E290150 **Work Order #...:** KN3D0-SMP KN3D0-DUP **Matrix.....:** SOLID

Date Sampled...: 05/14/08 10:20 **Date Received..:** 05/29/08

% Moisture.....: 12

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids						SD Lot-Sample #: A8E170155-005		
	88.5	88.2	%	0.28	(0-20)	MCAWW 160.3 MOD	05/30-06/02/08	8151407

Dilution Factor: 1

TestAmerica Laboratories Inc.
Internal Chain of Custody

57/60

Client: Arcadis Geraghty & Miller
Project: NY9A8463
Quote: NY99-226
SM #: 260

PM: Candace L. Fox
Due Date: 06/05/2008
Purchase Order#: TBD

Client Sample ID	Lab ID	Matrix	Parameters	# and Type of Samp Containers	Sample Date/Time
B-1 (2-4)	A8598501	SOIL	HEX	1-4ozGW	05/19/2008 13:00
B-2 (8-10)	A8598502	SOIL	HEX	1-4ozGW	05/19/2008 16:00

Relinquished by TestAmerica Laboratories Inc.: Signature(s)	Date	Time	Received By TestAmerica - North Canton: Signature(s)	Date	Time
(1) Andrew Szymanski	5/19/2008	1715	(3) Alana Mangum	5/19/2008	950
(2)	/ /20		(4)	/ /20	

North Canton

TestAmerica Cooler Receipt Form/Narrative **Lot Number:** ABE90150
North Canton Facility

Client Ford Ams/Arcadis Project _____ By: Diana Mangus
Cooler Received on 5/29/08 Opened on 5/29/08 (Signature)
FedEx [X] UPS [ ] DHL [ ] FAS [ ] Stetson [ ] Client Drop Off [ ] TestAmerica Courier [ ] Other _____
TestAmerica Cooler # _____ Multiple Coolers [ ] Foam Box [ ] Client Cooler [X] Other _____

1. Were custody seals on the outside of the cooler(s)? Yes [X] No [ ] Intact? Yes [X] No [ ] NA [ ]
   If YES, Quantity 1
   Were custody seals on the outside of cooler(s) signed and dated? Yes [X] No [ ] NA [ ]
   Were custody seals on the bottle(s)? Yes [ ] No [X]
   If YES, are there any exceptions? _____
2. Shippers' packing slip attached to the cooler(s)? Yes [X] No [ ]
3. Did custody papers accompany the sample(s)? Yes [X] No [ ] Relinquished by client? Yes [X] No [ ]
4. Were the custody papers signed in the appropriate place? Yes [X] No [ ]
5. Packing material used: Bubble Wrap [X] Foam [ ] None [ ] Other _____
6. Cooler temperature upon receipt 3.0 °C See back of form for multiple coolers/temps [ ]
   METHOD: IR [X] Other [ ] _____
   COOLANT: Wet Ice [X] Blue Ice [ ] Dry Ice [ ] Water [ ] None [ ]
7. Did all bottles arrive in good condition (Unbroken)? Yes [X] No [ ]
8. Could all bottle labels be reconciled with the COC? Yes [X] No [ ]
9. Were sample(s) at the correct pH upon receipt? Yes [ ] No [ ] NA [X]
10. Were correct bottle(s) used for the test(s) indicated? Yes [X] No [ ]
11. Were air bubbles >6 mm in any VOA vials? Yes [ ] No [ ] NA [X]
12. Sufficient quantity received to perform indicated analyses? Yes [X] No [ ]
13. Was a trip blank present in the cooler(s)? Yes [ ] No [X] Were VOAs on the COC? Yes [ ] No [X]

Contacted PM _____ Date _____ by _____ via Verbal [ ] Voice Mail [ ] Other [ ]
Concerning _____

14. CHAIN OF CUSTODY

The following discrepancies occurred:

_____

_____

_____

_____

_____

_____

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.
Sample(s) _____ were received in a broken container.
Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in sample receiving to meet recommended pH level(s). *Nitric Acid Lot# 113007-HNO_3; Sulfuric Acid Lot# 071707-H_2SO_4; Sodium Hydroxide Lot# 073007 -NaOH; Hydrochloric Acid Lot# 092006-HCl; Sodium Hydroxide and Zinc Acetate Lot# 050205-CH_3COO_2ZN/NaOH.*
What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials

TestAmerica Cooler Receipt Form/Narrative
North Canton Facility

Client ID	pH	Date	Initials

Cooler #	Temp. °C	Method	Coolant

Discrepancies Cont'd:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

END OF REPORT

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

B-2 (8-10)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: A85898

Matrix: (soil/water) SOIL Lab Sample ID: A8589803

Sample wt/vol: 5.07 (g/mL) G Lab File ID: F2307.RR

Level: (low/med) LOW Date Samp/Recv: 05/19/2008 05/23/2008

% Moisture: not dec. 6 Heated Purge: Y Date Analyzed: 05/30/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

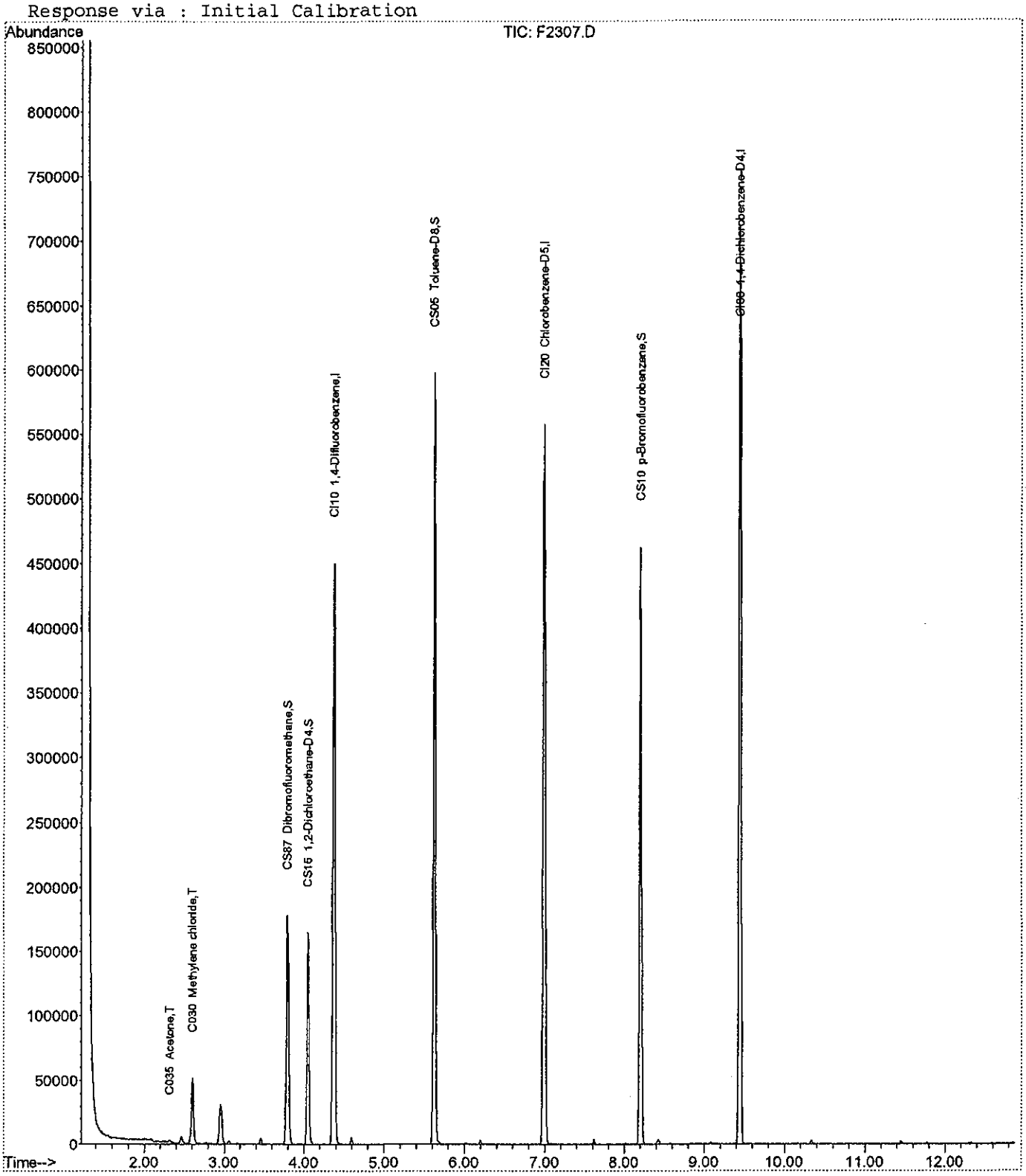
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	6	J
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	9	

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\052908\F2307.D Vial: 54
Acq On : 30 May 2008 2:53 Operator: JLG
Sample : A8589803 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 3 17:21 2008 Quant Results File: A8I00000370.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:20:54 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\052908\F2307.D Vial: 54
Acq On : 30 May 2008 2:53 Operator: JLG
Sample : A8589803 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 17:21:09 2008 Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:20:54 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\052908\F2298.D (29 May 2008 22:52)

SLE 6/03/08

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	365468	250.00 ng	0.00 81.49%
43) CI20	Chlorobenzene-D5	6.99	82	158370	250.00 ng	0.00 81.61%
63) CI30	1,4-Dichlorobenzene-	9.44	152	196373	250.00 ng	0.00 84.01%
System Monitoring Compounds						
27) CS87	Dibromofluoromethane	3.79	111	107145	255.27 ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery =	102.11%	
32) CS15	1,2-Dichloroethane-D	4.05	65	110521	246.49 ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery =	98.60%	
44) CS05	Toluene-D8	5.62	98	397507	259.55 ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery =	103.82%	
62) CS10	p-Bromofluorobenzene	8.20	174	146315	239.89 ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery =	95.96%	
Target Compounds						Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.	
3) C010	Chloromethane	0.00	50	0	N.D.	
4) C020	Vinyl chloride	0.00	62	0	N.D.	
5) C015	Bromomethane	0.00	94	0	N.D.	
6) C025	Chloroethane	0.00	64	0	N.D.	
7) C275	Trichlorofluorometha	0.00	101	0	N.D.	
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.	
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.	
~~10)~~ C030	Methylene chloride	2.61	84	19174	41.41 ng	# 65
11) C040	Carbon disulfide	2.47	76	8374	N.D.	
12) C036	Acrolein	0.00	56	0	N.D.	
13) C038	Acrylonitrile	0.00	53	0	N.D.	
~~14)~~ 15) C035	Acetone	2.33	43	3731	30.79 ng	100
15) C300	Acetonitrile	0.00	41	0	N.D.	
16) C276	Iodomethane	0.00	142	0	N.D.	
17) C255	Methyl Acetate	0.00	43	0	N.D.	
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.	
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.	
20) C050	1,1-Dichloroethane	3.06	63	2420	N.D.	
21) C125	Vinyl Acetate	0.00	43	0	N.D.	
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.	
23) C056	cis-1,2-Dichloroethe	3.46	96	2251	N.D.	
24) C272	Tetrahydrofuran	0.00	42	0	N.D.	
25) C222	Bromochloromethane	0.00	128	0	N.D.	
26) C060	Chloroform	0.00	83	0	N.D.	
28) C256	Cyclohexane	0.00	56	0	N.D.	
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.	
30) C120	Carbon tetrachloride	0.00	117	0	N.D.	
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\052908\F2307.D Vial: 54
Acq On : 30 May 2008 2:53 Operator: JLG
Sample : A8589803 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 17:21:09 2008 Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:20:54 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	0.00	78	0	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	0.00	43	0	N.D.	
36)	C150	Trichloroethene	4.60	95	1755	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.69	92	338	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.62	43	2144	N.D.	
50)	C220	Tetrachloroethene	6.20	166	1538	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	0.00	43	0	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.13	91	134	N.D.	
58)	C246	m,p-Xylene	0.00	106	0	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	0.00	91	0	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.57	105	482	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	831	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	831	N.D.	
76)	C260	1,3-Dichlorobenzene	9.47	146	542	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.47	146	542	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	2230	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

B-2 (10-12)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: A85898

Matrix: (soil/water) SOIL Lab Sample ID: A8589805

Sample wt/vol: 5.01 (g/mL) G Lab File ID: F2308.RR

Level: (low/med) LOW Date Samp/Recv: 05/20/2008 05/23/2008

% Moisture: not dec. 17 Heated Purge: Y Date Analyzed: 05/30/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	30	U
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	6	U
78-93-3	2-Butanone	30	U
75-15-0	Carbon Disulfide	6	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
106-93-4	1,2-Dibromoethane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-34-3	1,1-Dichloroethane	6	
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	30	U
98-82-8	Isopropylbenzene	6	U
79-20-9	Methyl acetate	6	U
108-87-2	Methylcyclohexane	6	U
75-09-2	Methylene chloride	17	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

B-2 (10-12)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: A85898

Matrix: (soil/water) SOIL Lab Sample ID: A8589805

Sample wt/vol: 5.01 (g/mL) G Lab File ID: F2308.RR

Level: (low/med) LOW Date Samp/Recv: 05/20/2008 05/23/2008

% Moisture: not dec. 17 Heated Purge: Y Date Analyzed: 05/30/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

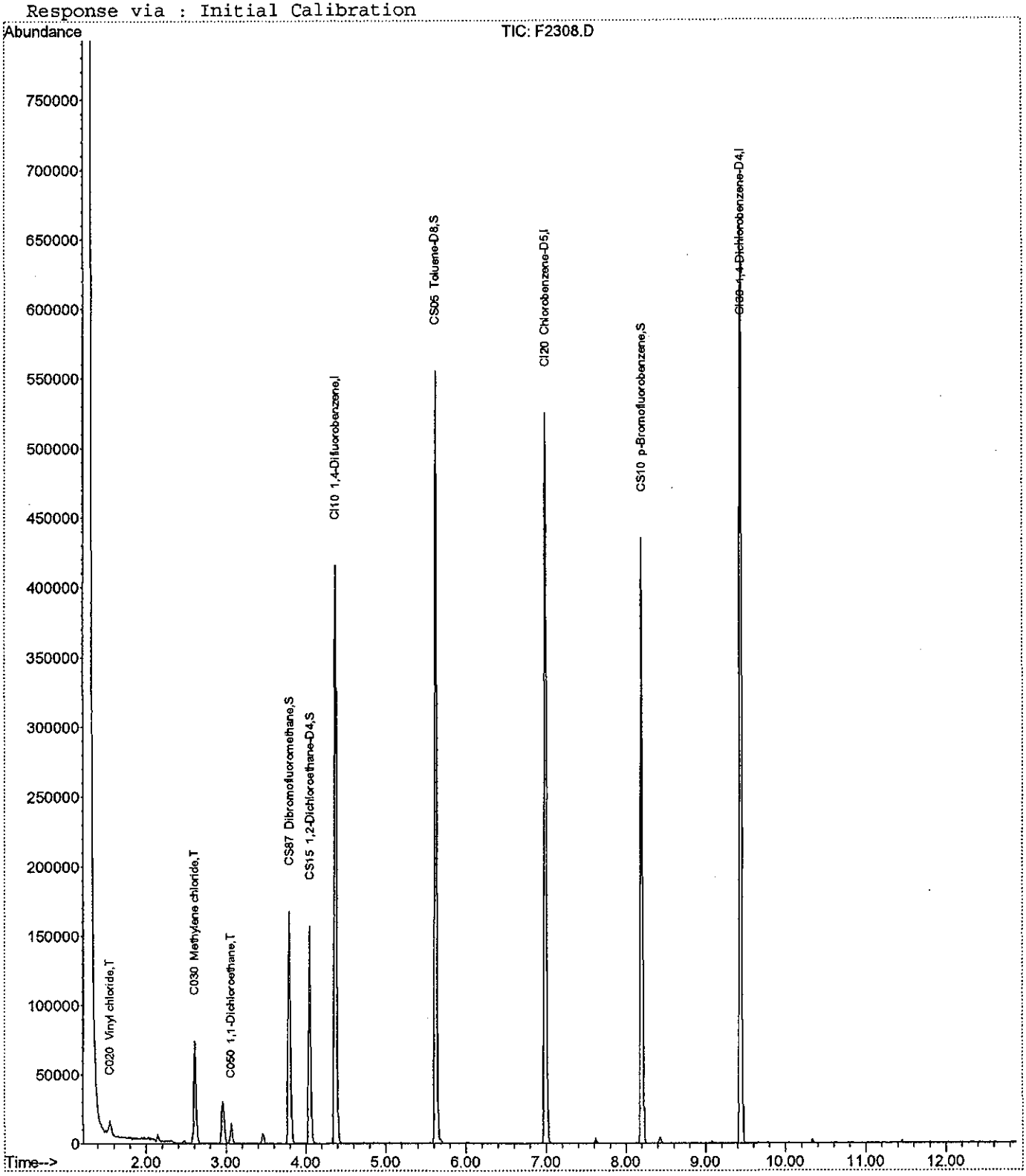
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	30	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
79-01-6	Trichloroethene	6	U
75-01-4	Vinyl chloride	9	J
1330-20-7	Total Xylenes	18	U

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\052908\F2308.D Vial: 55
Acq On : 30 May 2008 3:18 Operator: JLG
Sample : A8589805 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 3 17:21 2008 Quant Results File: A8I00000370.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:20:54 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\052908\F2308.D Vial: 55
Acq On : 30 May 2008 3:18 Operator: JLG
Sample : A8589805 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 17:21:13 2008 Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:20:54 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\052908\F2298.D (29 May 2008 22:52)

JLG 6/03/08

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	341316	250.00	ng	0.00 76.11%
43) CI20	Chlorobenzene-D5	6.99	82	146342	250.00	ng	0.00 75.41%
63) CI30	1,4-Dichlorobenzene-	9.44	152	180824	250.00	ng	0.00 77.36%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.80	111	103179	264.01	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	105.60%	
32) CS15	1,2-Dichloroethane-D	4.05	65	106830	256.21	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	102.48%	
44) CS05	Toluene-D8	5.62	98	374966	265.73	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	106.29%	
62) CS10	p-Bromofluorobenzene	8.20	174	135578	240.65	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	96.26%	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	1.55	62	16986	38.06	ng	95
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	28272	72.45	ng #	67
11) C040	Carbon disulfide	2.48	76	1755	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.33	43	985	N.D.		
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	3.06	63	15099	24.08	ng	94
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	3.46	96	3726	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\052908\F2308.D Vial: 55
Acq On : 30 May 2008 3:18 Operator: JLG
Sample : A8589805 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 17:21:13 2008 Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:20:54 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	0.00	78	0	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	0.00	43	0	N.D.	
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.68	92	681	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.62	43	1797	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	0.00	43	0	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.24	91	300	N.D.	
58)	C246	m,p-Xylene	0.00	106	0	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	0.00	91	0	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.57	105	161	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	1126	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	1126	N.D.	
76)	C260	1,3-Dichlorobenzene	9.47	146	349	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.47	146	349	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	1828	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

B-2 (28-28.9)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: A85898

Matrix: (soil/water) SOIL Lab Sample ID: A8589806

Sample wt/vol: 5.02 (g/mL) G Lab File ID: F2309.RR

Level: (low/med) LOW Date Samp/Recv: 05/20/2008 05/23/2008

% Moisture: not dec. 8 Heated Purge: Y Date Analyzed: 05/30/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	50	
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	27	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	27	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	14	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

B-2 (28-28.9)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: A85898

Matrix: (soil/water) SOIL Lab Sample ID: A8589806

Sample wt/vol: 5.02 (g/mL) G Lab File ID: F2309.RR

Level: (low/med) LOW Date Samp/Recv: 05/20/2008 05/23/2008

% Moisture: not dec. 8 Heated Purge: Y Date Analyzed: 05/30/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

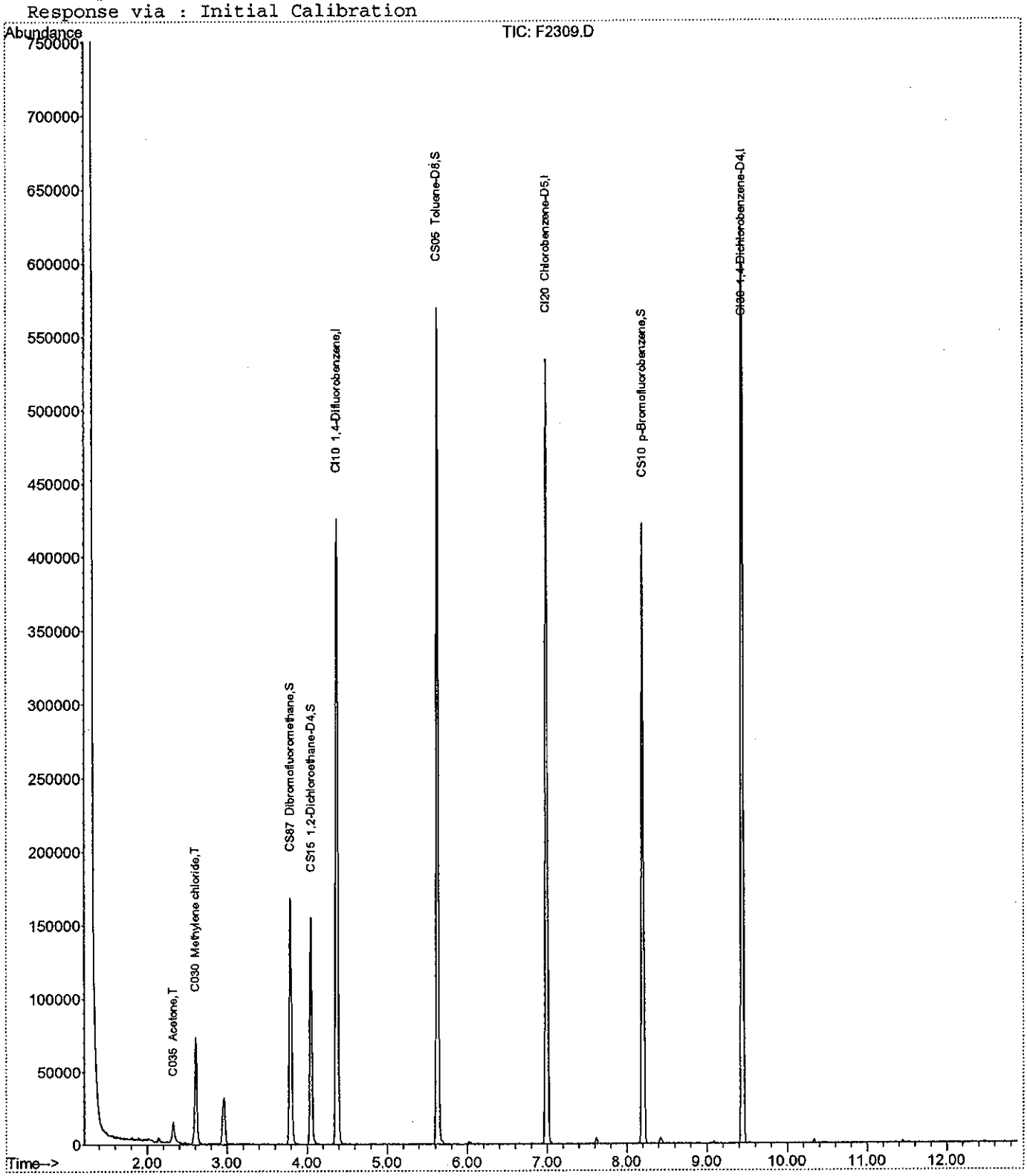
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	27	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	16	U

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\052908\F2309.D Vial: 56
Acq On : 30 May 2008 3:44 Operator: JLG
Sample : A8589806 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 3 17:21 2008 Quant Results File: A8I00000370.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:20:54 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\052908\F2309.D Vial: 56
Acq On : 30 May 2008 3:44 Operator: JLG
Sample : A8589806 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 17:21:17 2008 Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:20:54 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\052908\F2298.D (29 May 2008 22:52)

JLG 06/03/08

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	348096	250.00	ng	0.00 77.62%
43) CI20	Chlorobenzene-D5	6.99	82	147491	250.00	ng	0.00 76.00%
63) CI30	1,4-Dichlorobenzene-	9.44	152	167809	250.00	ng	0.00 71.79%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.80	111	105435	264.57	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	105.83%	
32) CS15	1,2-Dichloroethane-D	4.05	65	104921	245.58	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	98.23%	
44) CS05	Toluene-D8	5.62	98	378972	266.58	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	106.63%	
62) CS10	p-Bromofluorobenzene	8.20	174	133040	233.41	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	93.36%	

Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	26953	66.93	ng #	61
11) C040	Carbon disulfide	2.47	76	839	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.33	43	26398	228.73	ng	93
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\052908\F2309.D Vial: 56
Acq On : 30 May 2008 3:44 Operator: JLG
Sample : A8589806 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 17:21:17 2008 Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:20:54 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	0.00	78	0	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	0.00	43	0	N.D.	
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.68	92	511	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.63	43	1580	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	0.00	43	0	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	0.00	91	0	N.D.	
58)	C246	m,p-Xylene	0.00	106	0	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	0.00	91	0	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	0.00	105	0	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.07	105	595	N.D.	
75)	C308	sec-Butylbenzene	9.07	105	595	N.D.	
76)	C260	1,3-Dichlorobenzene	9.47	146	135	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	1800	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

Trip Blank

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: A85898

Matrix: (soil/water) WATER Lab Sample ID: A8589808

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F2310.RR

Level: (low/med) LOW Date Samp/Recv: 05/21/2008 05/23/2008

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 05/30/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

Trip Blank

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: A85898

Matrix: (soil/water) WATER Lab Sample ID: A8589808

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: F2310.RR

Level: (low/med) LOW Date Samp/Recv: 05/21/2008 05/23/2008

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 05/30/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

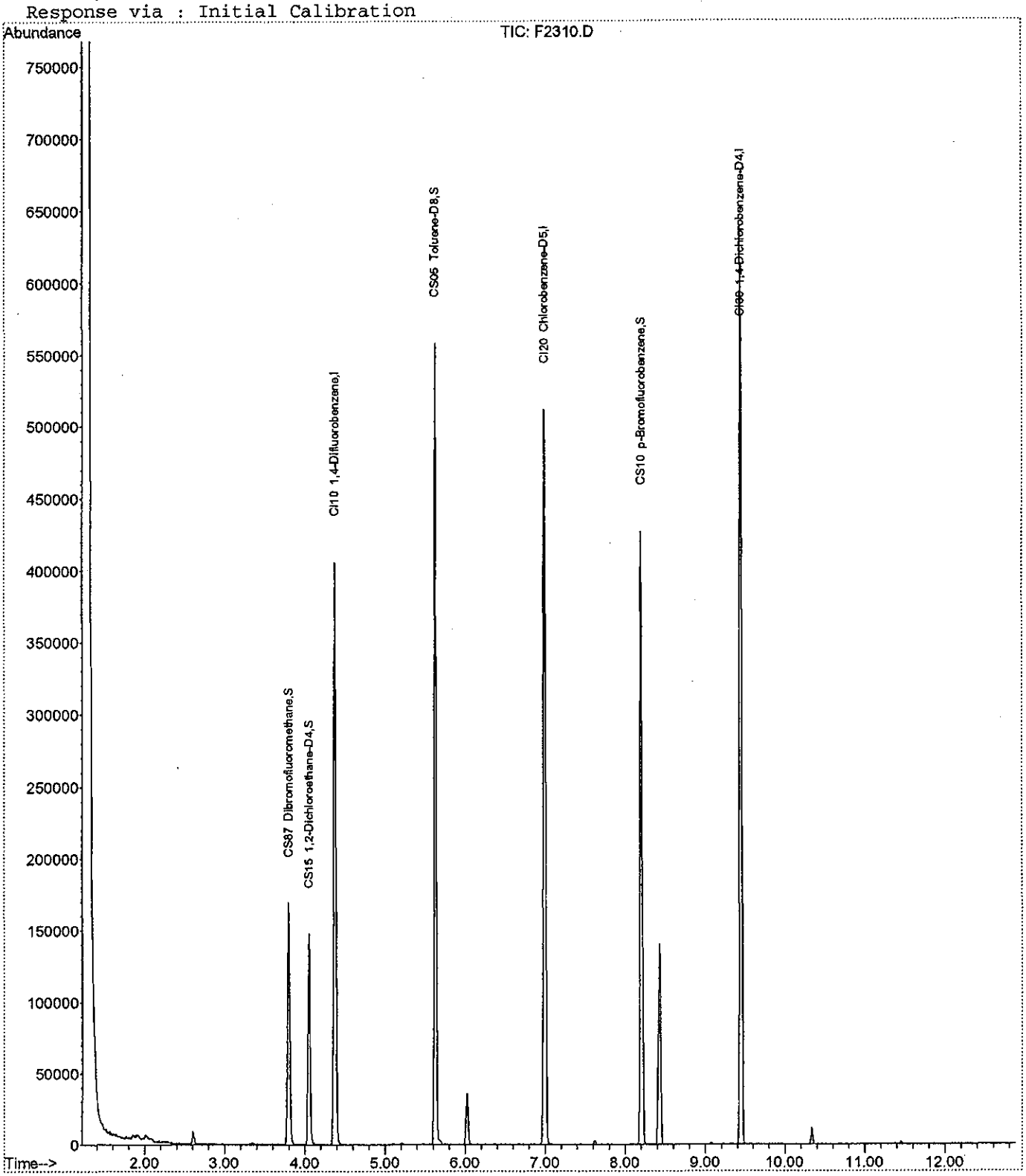
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\052908\F2310.D Vial: 57
Acq On : 30 May 2008 4:10 Operator: JLG
Sample : A8589808 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 3 17:21 2008 Quant Results File: A8I00000370.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:20:54 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\052908\F2310.D Vial: 57
Acq On : 30 May 2008 4:10 Operator: JLG
Sample : A8589808 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 17:21:22 2008 Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:20:54 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\052908\F2298.D (29 May 2008 22:52)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	330685	250.00	ng	0.00 73.74%
43) CI20	Chlorobenzene-D5	6.99	82	144059	250.00	ng	0.00 74.24%
63) CI30	1,4-Dichlorobenzene-	9.44	152	172483	250.00	ng	0.00 73.79%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.80	111	101754	269.18	ng	0.00
Spiked Amount	250.000	Range 70 - 130		Recovery = 107.67%			
32) CS15	1,2-Dichloroethane-D	4.05	65	98844	243.28	ng	0.00
Spiked Amount	250.000	Range 64 - 126		Recovery = 97.31%			
44) CS05	Toluene-D8	5.63	98	376180	271.53	ng	0.00
Spiked Amount	250.000	Range 71 - 125		Recovery = 108.61%			
62) CS10	p-Bromofluorobenzene	8.20	174	134062	241.89	ng	0.00
Spiked Amount	250.000	Range 72 - 126		Recovery = 96.76%			
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	2896	Below Cal	#	74
11) C040	Carbon disulfide	0.00	76	0	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	0.00	43	0	N.D.		
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\052908\F2310.D Vial: 57
Acq On : 30 May 2008 4:10 Operator: JLG
Sample : A8589808 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 17:21:22 2008 Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:20:54 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	0.00	78	0	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	0.00	43	0	N.D.	
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.68	92	1247	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.62	43	1847	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	0.00	43	0	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.00	91	303	N.D.	
58)	C246	m,p-Xylene	0.00	106	0	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	0.00	91	0	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	0.00	105	0	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.07	105	555	N.D.	
75)	C308	sec-Butylbenzene	9.07	105	555	N.D.	
76)	C260	1,3-Dichlorobenzene	9.47	146	191	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	1903	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: A85898

Level (low/med): LOW

	Client Sample ID	Lab Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#						TOT OUT
1	B-2 (10-12)	A8589805	96		102		106							0
2	B-2 (28-28.9)	A8589806	93		98		107							0
3	B-2 (8-10)	A8589803	96		98		104							0
4	MSB03	A8B1617501	94		101		104							0
5	VBLK03	A8B1617502	99		95		108							0

QC LIMITS

BFB = p-Bromofluorobenzene (72-126)
DCE = 1,2-Dichloroethane-D4 (61-136)
TOL = Toluene-D8 (71-125)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

METHOD 8260 - TCL VOLATILE ORGANICS
WATER SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: A85898

	Client Sample ID	Lab Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#						TOT OUT
1	MSB03	A8B1617503	94		101		104							0
2	Trip Blank	A8589808	97		97		109							0
3	VBLK03	A8B1617504	99		95		108							0

QC LIMITS

BFB = p-Bromofluorobenzene (73-120)
DCE = 1,2-Dichloroethane-D4 (66-137)
TOL = Toluene-D8 (71-126)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B1617502

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: A85898

Matrix Spike - Client Sample No.: VBLK03 Level: (low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	MSB CONCENTRATION UG/KG	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	54.2	108	65 - 146
Trichloroethene	50.0	49.4	99	74 - 127
Benzene	50.0	48.4	97	74 - 128
Toluene	50.0	46.6	93	74 - 123
Chlorobenzene	50.0	47.0	94	76 - 124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B1617504

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: A85898

Matrix Spike - Client Sample No.: VBLK03

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	54.2	108	65 - 142
Trichloroethene	50.0	49.4	99	71 - 120
Benzene	50.0	48.4	97	67 - 126
Toluene	50.0	46.6	93	69 - 120
Chlorobenzene	50.0	47.0	94	73 - 120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK03

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: A85898

Lab File ID: F2300.RR Lab Sample ID: A8B1617502

Date Analyzed: 05/29/2008 Time Analyzed: 23:43

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	B-2 (10-12)	A8589805	F2308.RR	03:18
2	B-2 (28-28.9)	A8589806	F2309.RR	03:44
3	B-2 (8-10)	A8589803	F2307.RR	02:53
4	MSB03	A8B1617501	F2299.RR	23:18

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK03

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: A85898

Lab File ID: F2300.RR Lab Sample ID: A8B1617504

Date Analyzed: 05/29/2008 Time Analyzed: 23:43

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	MSB03	A8B1617503	F2299.RR	23:18
2	Trip Blank	A8589808	F2310.RR	04:10

Comments: _____

ARCADIS GERAGHTY & MILLER
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0001463

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: A85898

Lab File ID: F2259 BFB Injection Date: 05/25/2008

Instrument ID: HP5973F BFB Injection Time: 09:15

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N): Y

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	19.8		
75	30.0 - 60.0% of mass 95	41.3		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	7.9		
173	Less than 2.0% of mass 174	0.7	(0.7)	1
174	50 - 120 % of mass 95	98.5		
175	5.0 - 9.0% of mass 174	7.4	(7.5)	1
176	95.0 - 101.0% of mass 174	94.8	(96.2)	1
177	5.0 - 9.0% of mass 176	6.8	(7.2)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD005	A8I0000370-1	F2265.RR	05/25/2008	13:35
2	VSTD020	A8I0000370-1	F2267.RR	05/25/2008	14:30
3	VSTD050	A8I0000370-1	F2268.RR	05/25/2008	14:55
4	VSTD100	A8I0000370-1	F2269.RR	05/25/2008	15:21
5	VSTD200	A8I0000370-1	F2270.RR	05/25/2008	15:47

ARCADIS GERAGHTY & MILLER
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0001511

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: A85898

Lab File ID: F2296 BFB Injection Date: 05/29/2008

Instrument ID: HP5973F BFB Injection Time: 22:02

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N): Y

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	19.1		
75	30.0 - 60.0% of mass 95	43.8		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	7.2		
173	Less than 2.0% of mass 174	0.5	(0.5)	1
174	50 - 120 % of mass 95	98.9		
175	5.0 - 9.0% of mass 174	7.7	(7.8)	1
176	95.0 - 101.0% of mass 174	98.1	(99.2)	1
177	5.0 - 9.0% of mass 176	6.7	(6.8)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD050	A8C0001273-1	F2298.RR	05/29/2008	22:52
2	MSB03	A8B1617501	F2299.RR	05/29/2008	23:18
3	MSB03	A8B1617503	F2299.RR	05/29/2008	23:18
4	VBLK03	A8B1617502	F2300.RR	05/29/2008	23:43
5	VBLK03	A8B1617504	F2300.RR	05/29/2008	23:43
6	B-2 (8-10)	A8589803	F2307.RR	05/30/2008	02:53
7	B-2 (10-12)	A8589805	F2308.RR	05/30/2008	03:18
8	B-2 (28-28.9)	A8589806	F2309.RR	05/30/2008	03:44
9	Trip Blank	A8589808	F2310.RR	05/30/2008	04:10

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000370-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: A85898

Intrument ID: HP5973F Calibration Dates(s): 05/25/2008 05/25/2008

Heated Purge (Y/N): Y Calibration Times: 13:35 15:47

GC Column: ZB-624 ID: 0.20(mm)

Lab File ID: RRF5 = F2265.RR RRF20 = F2267.RR
RRF50 = F2268.RR RRF100 = F2269.RR RRF200 = F2270.RR

COMPOUND		RRF5	RRF20	RRF50	RRF100	RRF200	AVG RRF	% RSD	
Chloromethane	#	0.411	0.397	0.387	0.423	0.390	0.4010	3.700	#
Bromomethane		0.123	0.123	0.121	0.129	0.123	0.1240	2.400	
Vinyl chloride	*	0.335	0.323	0.329	0.342	0.305	0.3270	4.400	*
Chloroethane		0.110	0.114	0.110	0.113	0.111	0.1120	1.600	
Methylene chloride		0.359	0.257	0.252	0.261	0.246	0.2750	17.300	
Acetone		0.092	0.094	0.080	0.083	0.067	0.0830	13.000	
Carbon Disulfide		0.698	0.613	0.661	0.696	0.657	0.6650	5.200	
1,1-Dichloroethene	*	0.188	0.174	0.193	0.194	0.176	0.1850	5.100	*
1,1-Dichloroethane	#	0.464	0.428	0.457	0.486	0.462	0.4590	4.500	#
cis-1,2-Dichloroethene		0.279	0.254	0.269	0.284	0.272	0.2720	4.200	
trans-1,2-Dichloroethene		0.239	0.227	0.234	0.254	0.244	0.2400	4.200	
Chloroform	*	0.422	0.384	0.400	0.426	0.407	0.4080	4.100	*
1,2-Dichloroethane		0.379	0.366	0.371	0.374	0.350	0.3680	3.000	
2-Butanone		0.153	0.162	0.146	0.156	0.126	0.1490	9.300	
1,1,1-Trichloroethane		0.318	0.303	0.339	0.367	0.351	0.3360	7.500	
Carbon Tetrachloride		0.275	0.239	0.284	0.322	0.317	0.2870	11.700	
Bromodichloromethane		0.300	0.281	0.298	0.322	0.309	0.3020	5.000	
1,2-Dichloropropane	*	0.281	0.254	0.263	0.281	0.274	0.2710	4.300	*
cis-1,3-Dichloropropene		0.332	0.321	0.357	0.385	0.380	0.3550	8.000	
Trichloroethene		0.240	0.219	0.230	0.249	0.240	0.2350	4.900	
Dibromochloromethane		0.523	0.509	0.555	0.620	0.593	0.5600	8.200	
1,1,2-Trichloroethane		0.379	0.378	0.394	0.402	0.376	0.3860	3.000	
Benzene		0.906	0.858	0.896	0.950	0.915	0.9050	3.600	
trans-1,3-Dichloropropene		0.590	0.611	0.710	0.792	0.783	0.6970	13.500	
Bromoform	#	0.392	0.404	0.435	0.486	0.461	0.4350	8.900	#
4-Methyl-2-pentanone		0.729	0.829	0.733	0.791	0.636	0.7440	9.800	
2-Hexanone		0.489	0.565	0.511	0.549	0.442	0.5110	9.600	
Tetrachloroethene		0.645	0.600	0.627	0.679	0.644	0.6390	4.500	
1,1,2,2-Tetrachloroethane	#	0.467	0.523	0.511	0.529	0.476	0.5010	5.600	#
Toluene	*	1.396	1.330	1.345	1.443	1.402	1.3830	3.300	*
Chlorobenzene	#	1.710	1.663	1.648	1.748	1.712	1.6960	2.400	#
Ethylbenzene	*	2.715	2.604	2.630	2.807	2.691	2.6900	3.000	*
Styrene		1.763	1.715	1.783	1.913	1.856	1.8060	4.300	
Total Xylenes		1.079	0.999	1.032	1.136	1.096	1.0680	5.000	
1,1,2-Trichloro-1,2,2-trifl		0.215	0.206	0.221	0.225	0.209	0.2150	3.800	
1,2,4-Trichlorobenzene		0.995	0.914	0.957	1.023	0.920	0.9620	4.900	
1,2-Dibromo-3-chloropropane		0.080	0.095	0.100	0.114	0.095	0.0960	12.700	

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000370-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: A85898

Intrument ID: HP5973F Calibration Dates(s): 05/25/2008 05/25/2008

Heated Purge (Y/N): Y Calibration Times: 13:35 15:47

GC Column: ZB-624 ID: 0.20(mm)

Lab File ID: RRF5 = F2265.RR RRF20 = F2267.RR
RRF50 = F2268.RR RRF100 = F2269.RR RRF200 = F2270.RR

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	AVG RRF	% RSD
1,2-Dibromoethane	0.490	0.527	0.521	0.536	0.495	0.5140	4.000
1,2-Dichlorobenzene	1.203	1.127	1.165	1.211	1.129	1.1670	3.400
1,3-Dichlorobenzene	1.187	1.106	1.148	1.183	1.129	1.1510	3.000
1,4-Dichlorobenzene	1.244	1.150	1.160	1.208	1.153	1.1830	3.500
Cyclohexane	0.465	0.438	0.479	0.497	0.468	0.4690	4.600
Dichlorodifluoromethane	0.162	0.207	0.216	0.225	0.199	0.2020	11.900
Methyl acetate	0.368	0.397	0.361	0.389	0.326	0.3680	7.600
Trichlorofluoromethane	0.355	0.349	0.352	0.362	0.326	0.3490	3.800
Methyl-t-Butyl Ether (MTBE)	0.694	0.689	0.675	0.728	0.667	0.6900	3.400
Isopropylbenzene	2.084	1.911	2.024	2.145	2.063	2.0450	4.200
Methylcyclohexane	0.355	0.352	0.372	0.391	0.379	0.3700	4.400
Toluene-D8	4.545	2.493	2.612	2.352	2.166	2.8340	34.300
p-Bromofluorobenzene	1.783	1.009	1.000	0.934	0.862	1.1170	33.700
1,2-Dichloroethane-D4	0.526	0.330	0.315	0.301	0.278	0.3500	28.700

Comments:

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001273-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: A85898

Lab File Id: F2298.RR Calibration Date: 05/29/2008 Time: 22:52

Intrument ID: HP5973F_____ Init. Calib. Date(s): 05/25/2008 05/25/2008

Heated Purge (Y/N): Y Init. Calib. Times: 13:35 15:47

GC Column: ZB-624 ID: 0.20(mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
Chloromethane	0.4010	0.3902	0.1000	2.700	100.00
Bromomethane	0.1240	0.1328		-7.100	100.00
Vinyl chloride	0.3270	0.3342		-2.200	20.00
Chloroethane	0.1120	0.1224		-9.300	100.00
Methylene chloride	0.2750	0.2517		8.500	100.00
Acetone	0.0830	0.0767		7.600	100.00
Carbon Disulfide	0.6650	0.6490		2.400	100.00
1,1-Dichloroethene	0.1850	0.1958	0.1000	-5.800	20.00
1,1-Dichloroethane	0.4590	0.4707	0.3000	-2.500	100.00
cis-1,2-Dichloroethene	0.2720	0.2696		0.900	100.00
trans-1,2-Dichloroethene	0.2400	0.2425		-1.000	100.00
Chloroform	0.4080	0.4094		-0.300	20.00
1,2-Dichloroethane	0.3680	0.3603		2.100	100.00
2-Butanone	0.1490	0.1374		7.800	100.00
1,1,1-Trichloroethane	0.3360	0.3519		-4.700	100.00
Carbon Tetrachloride	0.2870	0.2998		-4.400	100.00
Bromodichloromethane	0.3020	0.3041		-0.700	100.00
1,2-Dichloropropane	0.2710	0.2713		-0.100	20.00
cis-1,3-Dichloropropene	0.3550	0.3611		-1.700	100.00
Trichloroethene	0.2350	0.2412		-2.600	100.00
Dibromochloromethane	0.5600	0.5793		-3.400	100.00
1,1,2-Trichloroethane	0.3860	0.3771		2.300	100.00
Benzene	0.9050	0.9166		-1.300	100.00
trans-1,3-Dichloropropene	0.6970	0.7211		-3.400	100.00
Bromoform	0.4350	0.4082	0.1000	6.200	100.00
4-Methyl-2-pentanone	0.7440	0.7077		4.900	100.00
2-Hexanone	0.5110	0.4889		4.300	100.00
Tetrachloroethene	0.6390	0.6617		-3.600	100.00
1,1,2,2-Tetrachloroethane	0.5010	0.5332	0.3000	-6.400	100.00
Toluene	1.3830	1.3932		-0.700	20.00
Chlorobenzene	1.6960	1.6970	0.3000	-0.100	100.00
Ethylbenzene	2.6900	2.6958		-0.200	20.00
Styrene	1.8060	1.8142		-0.500	100.00
Total Xylenes	1.0680	1.0678		0.000	100.00
1,1,2-Trichloro-1,2,2-trifluoro	0.2150	0.2213		-2.900	100.00
1,2,4-Trichlorobenzene	0.9620	1.0357		-7.700	100.00
1,2-Dibromo-3-chloropropane	0.0960	0.1036		-7.900	100.00
1,2-Dibromoethane	0.5140	0.5006		2.600	100.00
1,2-Dichlorobenzene	1.1670	1.2613		-8.100	100.00

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001273-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: A85898

Lab File Id: F2298.RR Calibration Date: 05/29/2008 Time: 22:52

Intrument ID: HP5973F Init. Calib. Date(s): 05/25/2008 05/25/2008

Heated Purge (Y/N): Y Init. Calib. Times: 13:35 15:47

GC Column: ZB-624 ID: 0.20(mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
1,3-Dichlorobenzene	1.1510	1.2493		-8.500	100.00
1,4-Dichlorobenzene	1.1830	1.2697		-7.300	100.00
Cyclohexane	0.4690	0.4793		-2.200	100.00
Dichlorodifluoromethane	0.2020	0.1907		5.600	100.00
Methyl acetate	0.3680	0.3791		-3.000	100.00
Trichlorofluoromethane	0.3490	0.3735		-7.000	100.00
Methyl-t-Butyl Ether (MTBE)	0.6900	0.6612		4.200	100.00
Isopropylbenzene	2.0450	2.2289		-9.000	100.00
Methylcyclohexane	0.3700	0.3687		0.400	100.00
Toluene-D8	2.8340	2.5528		9.900	100.00
p-Bromofluorobenzene	1.1170	0.9329		16.500	100.00
1,2-Dichloroethane-D4	0.3500	0.3120		10.800	100.00

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0001273

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: A85898

Lab File ID (Standard): F2298.RR Date Analyzed: 05/29/2008

Instrument ID: HP5973F Time Analyzed: 22:52

GC Column(1): ZB-624 ID: 0.200(mm) Heated Purge: (Y/N) Y

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		194055		6.99		233750		9.44		448458		4.38	
	UPPER LIMIT		388110		7.49		467500		9.94		896916		4.88	
	LOWER LIMIT		97028		6.49		116875		8.94		224229		3.88	
	CLIENT SAMPLE	Lab Sample ID												
1	B-2 (10-12)	A8589805	146342		6.99		180824		9.44		341316		4.38	
2	B-2 (28-28.9)	A8589806	147491		6.99		167809		9.44		348096		4.38	
3	B-2 (8-10)	A8589803	158370		6.99		196373		9.44		365468		4.38	
4	MSB03	A8B1617501	192334		6.99		233219		9.44		433706		4.38	
5	VBLK03	A8B1617502	171551		6.99		210588		9.44		400772		4.38	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0001273

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: A85898

Lab File ID (Standard): F2298.RR Date Analyzed: 05/29/2008

Instrument ID: HP5973F Time Analyzed: 22:52

GC Column(1): ZB-624 ID: 0.200(mm) Heated Purge: (Y/N) Y

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		194055		6.99		233750		9.44		448458		4.38	
	UPPER LIMIT		388110		7.49		467500		9.94		896916		4.88	
	LOWER LIMIT		97028		6.49		116875		8.94		224229		3.88	
	CLIENT SAMPLE	Lab Sample ID												
1	MSB03	A8B1617503	192334		6.99		233219		9.44		433706		4.38	
2	Trip Blank	A8589808	144059		6.99		172483		9.44		330685		4.38	
3	VBLK03	A8B1617504	171551		6.99		210588		9.44		400772		4.38	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

Column to be used to flag recovery values
* Values outside of contract required QC limits

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
5/27/08	1755	TRB	F2282	A8 566105	5861	5mL	5.03	
	1821		F2283	A8582201	5822		5.32	
	1847		F2284	02			5.23	
	1913		F2285	03			5.13	
	1938		F2286	A8580201	5802		5.00	
	2004		F2287	A8574208	5742		5.14	
	2029		F2288	09			5.08	
	2055		F2289	A8584611 (5847)	5846		5.11	
	2130		F2290	12 (5847)			5.14	
	2146		F2291	A8581501	5815		5.05	
	2211		F2292	02			5.00	
	2237		F2293	03			5.09	
	2302		F2294	A8574209 MS	5742		5.20	
	2328		F2295	09 SD			5.11	
05/29/08	2202	JBB	F2296	05298FBFI	BC	1mL	—	—
	2226		F2297	A0805D		5mL	5.009	
	2252		F2298	VS700SD				
	2318		F2299	[illegible]				
	2343		F2300	[illegible] 03				
5/30/08	0019		F2301	A8 5995 01	5995		5.04	
	0045		F2302	02			5.05	
	0110		F2303	03			5.30	
	0136		F2304	04			5.12	
	0202		F2305	05			5.02	
	0227		F2306	IBLK	IBLK		—	
	0253		F2307	A8 5898 03	5898		5.07	
	0318		F2308	05			5.01	
	0344		F2309	06			[illegible]	
	0410		F2310	08			5.06	
	0435		F2311	06RE			5.23	—
	0501		F2312	06SD			5.09	—
	0526		F2313	IBLK	IBLK		—	
	0552		F2314	A8 5944 17	5944		5.08	
	0618		F2315	IBLK	IBLK		—	
	0643		F2316	IBLK			—	
	0709		F2317	IBLK			—	
	0734		F2318	A8 567601	5676		5.00	
	0760		F2319	05			5.00	

REVIEWED BY_____ PAGE_____

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

STD #	IS/SS MIX #	ReRun?	pH <2	Comments
	ISS/oDL/VI			
120 5/28/08 WS9AE-2 WS19AB-2, WS19AR-2				
WS1 AF-2				PASS
WS5 AF-10, WS5 AB-5	ISS/oDL/VI			8260 soil ADD (A8I...0325)
WS6 AF-14, WS12 AF-19, WS13 AV-8 SLC 05/29/08				8260 soil (A8I...0370)
WS19 AQ-2, WS19 AR-2				
			✓	
WS19 AQ-2, WS19 AR-2			—	Low recoveries not Val

REVIEWED BY_____ PAGE_____

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
05/30/08	0825	JH	F2320	A8567607	5676	5.0 mL	5.00g	—
5/30/08		TKB	F2321	IBLK	—	5 mL	—	—

REVIEWED BY_____ PAGE _____

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

STD #	IS/SS MIX #	ReRun?	pH <2	Comments
—	2010 DL/VL		—	

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ANALYTICAL REPORT

Job#: A08-5917

Project#: NY9A8463
Site Name: ARCADIS
Task: LMC - Utica, NY -- Full TCLP Parameters

Jeff Bonsteel
465 New Karner Road
Albany, NY 12205

TestAmerica Laboratories Inc.

Candace L. Fox
Project Manager

06/05/2008

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TestAmerica Buffalo
Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA,CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	Registration, NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A8591701	HP (15)	WATER	05/22/2008	15:50	05/24/2008	08:50
A8591702	HP (20)	WATER	05/23/2008	07:30	05/24/2008	08:50
A8591703	HP (25)	WATER	05/23/2008	09:10	05/24/2008	08:50
A8591704	HP (30)	WATER	05/23/2008	10:45	05/24/2008	08:50
A8591705	TRIP BLANK	WATER	05/23/2008	00:00	05/24/2008	08:50

METHODS SUMMARY

Job#: A08-5917

Project#: NY9A8463
Site Name: ARCADIS

PARAMETER	ANALYTICAL METHOD
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-5917

Project#: NY9A8463
Site Name: ARCADIS

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-5917
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

Due to the amount of sediment present in the sample vials, volumes from two separate vials were combined for samples HP (15), HP (25), and HP (30).

All samples exhibited a pH>2 at the time of analysis. The analysis was performed after the recommended 7 days for un-preserved samples, therefore all detected concentrations should be considered minimum values and the results estimated.

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DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
[1]	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Sample ID: HP (15) Date Received: 05/24/2008
Lab Sample ID: A8591701 Project No: NY9A8463
Date Collected: 05/22/2008 Client No: L11196
Time Collected: 15:50 Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
1,1-Dichloroethane	14		5.0	UG/L	8260	06/03/2008 17:04	LH
1,1-Dichloroethene	0.90	J	5.0	UG/L	8260	06/03/2008 17:04	LH
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
1,2-Dibromoethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
1,2-Dichloroethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
1,2-Dichloropropane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
2-Butanone	ND		25	UG/L	8260	06/03/2008 17:04	LH
2-Hexanone	ND		25	UG/L	8260	06/03/2008 17:04	LH
4-Methyl-2-pentanone	ND		25	UG/L	8260	06/03/2008 17:04	LH
Acetone	7.0	J	25	UG/L	8260	06/03/2008 17:04	LH
Benzene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Bromodichloromethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Bromoform	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Bromomethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Carbon Disulfide	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Carbon Tetrachloride	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Chlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Chloroethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Chloroform	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Chloromethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
cis-1,2-Dichloroethene	40		5.0	UG/L	8260	06/03/2008 17:04	LH
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Cyclohexane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Dibromochloromethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Dichlorodifluoromethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Ethylbenzene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Isopropylbenzene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Methyl acetate	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Methylcyclohexane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Methylene chloride	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Styrene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Tetrachloroethene	9.2		5.0	UG/L	8260	06/03/2008 17:04	LH
Toluene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Total Xylenes	ND		15	UG/L	8260	06/03/2008 17:04	LH
trans-1,2-Dichloroethene	1.7	J	5.0	UG/L	8260	06/03/2008 17:04	LH
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Trichloroethene	28		5.0	UG/L	8260	06/03/2008 17:04	LH
Trichlorofluoromethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Vinyl chloride	20		5.0	UG/L	8260	06/03/2008 17:04	LH

Sample ID: HP (20) Date Received: 05/24/2008
Lab Sample ID: A8591702 Project No: NY9A8463
Date Collected: 05/23/2008 Client No: L11196
Time Collected: 07:30 Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,1-Dichloroethane	4.7	J	5.0	UG/L	8260	06/03/2008 17:28	LH
1,1-Dichloroethene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,2-Dibromoethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,2-Dichloroethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,2-Dichloropropane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
2-Butanone	ND		25	UG/L	8260	06/03/2008 17:28	LH
2-Hexanone	ND		25	UG/L	8260	06/03/2008 17:28	LH
4-Methyl-2-pentanone	ND		25	UG/L	8260	06/03/2008 17:28	LH
Acetone	12	J	25	UG/L	8260	06/03/2008 17:28	LH
Benzene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Bromodichloromethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Bromoform	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Bromomethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Carbon Disulfide	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Carbon Tetrachloride	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Chlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Chloroethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Chloroform	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Chloromethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
cis-1,2-Dichloroethene	17		5.0	UG/L	8260	06/03/2008 17:28	LH
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Cyclohexane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Dibromochloromethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Dichlorodifluoromethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Ethylbenzene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Isopropylbenzene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Methyl acetate	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Methylcyclohexane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Methylene chloride	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Styrene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Tetrachloroethene	4.9	J	5.0	UG/L	8260	06/03/2008 17:28	LH
Toluene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Total Xylenes	ND		15	UG/L	8260	06/03/2008 17:28	LH
trans-1,2-Dichloroethene	0.54	J	5.0	UG/L	8260	06/03/2008 17:28	LH
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Trichloroethene	16		5.0	UG/L	8260	06/03/2008 17:28	LH
Trichlorofluoromethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Vinyl chloride	14		5.0	UG/L	8260	06/03/2008 17:28	LH

Sample ID: HP (25) Date Received: 05/24/2008
Lab Sample ID: A8591703 Project No: NY9A8463
Date Collected: 05/23/2008 Client No: L11196
Time Collected: 09:10 Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,1-Dichloroethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,1-Dichloroethene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,2-Dibromoethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,2-Dichloroethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,2-Dichloropropane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
2-Butanone	1.5	J	25	UG/L	8260	06/03/2008 17:52	LH
2-Hexanone	ND		25	UG/L	8260	06/03/2008 17:52	LH
4-Methyl-2-pentanone	ND		25	UG/L	8260	06/03/2008 17:52	LH
Acetone	10	J	25	UG/L	8260	06/03/2008 17:52	LH
Benzene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Bromodichloromethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Bromoform	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Bromomethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Carbon Disulfide	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Carbon Tetrachloride	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Chlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Chloroethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Chloroform	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Chloromethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
cis-1,2-Dichloroethene	1.6	J	5.0	UG/L	8260	06/03/2008 17:52	LH
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Cyclohexane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Dibromochloromethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Dichlorodifluoromethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Ethylbenzene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Isopropylbenzene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Methyl acetate	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Methylcyclohexane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Methylene chloride	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Styrene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Tetrachloroethene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Toluene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Total Xylenes	ND		15	UG/L	8260	06/03/2008 17:52	LH
trans-1,2-Dichloroethene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Trichloroethene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Trichlorofluoromethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Vinyl chloride	1.8	J	5.0	UG/L	8260	06/03/2008 17:52	LH

Sample ID: HP (30) Date Received: 05/24/2008
Lab Sample ID: A8591704 Project No: NY9A8463
Date Collected: 05/23/2008 Client No: L11196
Time Collected: 10:45 Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,1-Dichloroethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,1-Dichloroethene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,2-Dibromoethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,2-Dichloroethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,2-Dichloropropane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
2-Butanone	ND		25	UG/L	8260	06/03/2008 18:16	LH
2-Hexanone	ND		25	UG/L	8260	06/03/2008 18:16	LH
4-Methyl-2-pentanone	ND		25	UG/L	8260	06/03/2008 18:16	LH
Acetone	8.1	J	25	UG/L	8260	06/03/2008 18:16	LH
Benzene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Bromodichloromethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Bromoform	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Bromomethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Carbon Disulfide	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Carbon Tetrachloride	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Chlorobenzene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Chloroethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Chloroform	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Chloromethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
cis-1,2-Dichloroethene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Cyclohexane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Dibromochloromethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Dichlorodifluoromethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Ethylbenzene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Isopropylbenzene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Methyl acetate	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Methylcyclohexane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Methylene chloride	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Styrene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Tetrachloroethene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Toluene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Total Xylenes	ND		15	UG/L	8260	06/03/2008 18:16	LH
trans-1,2-Dichloroethene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Trichloroethene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Trichlorofluoromethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Vinyl chloride	ND		5.0	UG/L	8260	06/03/2008 18:16	LH

Sample ID: TRIP BLANK
Lab Sample ID: A8591705
Date Collected: 05/23/2008
Time Collected: 00:00

Date Received: 05/24/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,1-Dichloroethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,1-Dichloroethene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,2-Dibromoethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,2-Dichloroethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,2-Dichloropropane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
2-Butanone	ND		25	UG/L	8260	06/03/2008 18:40	LH
2-Hexanone	ND		25	UG/L	8260	06/03/2008 18:40	LH
4-Methyl-2-pentanone	ND		25	UG/L	8260	06/03/2008 18:40	LH
Acetone	ND		25	UG/L	8260	06/03/2008 18:40	LH
Benzene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Bromodichloromethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Bromoform	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Bromomethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Carbon Disulfide	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Carbon Tetrachloride	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Chlorobenzene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Chloroethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Chloroform	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Chloromethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
cis-1,2-Dichloroethene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Cyclohexane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Dibromochloromethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Dichlorodifluoromethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Ethylbenzene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Isopropylbenzene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Methyl acetate	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Methylcyclohexane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Methylene chloride	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Styrene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Tetrachloroethene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Toluene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Total Xylenes	ND		15	UG/L	8260	06/03/2008 18:40	LH
trans-1,2-Dichloroethene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Trichloroethene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Trichlorofluoromethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Vinyl chloride	ND		5.0	UG/L	8260	06/03/2008 18:40	LH

Client ID		VBLK34							
Job No	Lab ID	A08-5917	A8B1641802						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	ND	25	NA		NA		NA	
Benzene	UG/L	ND	5.0	NA		NA		NA	
Bromodichloromethane	UG/L	ND	5.0	NA		NA		NA	
Bromoform	UG/L	ND	5.0	NA		NA		NA	
Bromomethane	UG/L	ND	5.0	NA		NA		NA	
2-Butanone	UG/L	ND	25	NA		NA		NA	
Carbon Disulfide	UG/L	ND	5.0	NA		NA		NA	
Carbon Tetrachloride	UG/L	ND	5.0	NA		NA		NA	
Chlorobenzene	UG/L	ND	5.0	NA		NA		NA	
Chloroethane	UG/L	ND	5.0	NA		NA		NA	
Chloroform	UG/L	ND	5.0	NA		NA		NA	
Chloromethane	UG/L	ND	5.0	NA		NA		NA	
Cyclohexane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dibromoethane	UG/L	ND	5.0	NA		NA		NA	
Dibromochloromethane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dibromo-3-chloropropane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
1,3-Dichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
1,4-Dichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
Dichlorodifluoromethane	UG/L	ND	5.0	NA		NA		NA	
1,1-Dichloroethane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dichloroethane	UG/L	ND	5.0	NA		NA		NA	
1,1-Dichloroethene	UG/L	ND	5.0	NA		NA		NA	
cis-1,2-Dichloroethene	UG/L	ND	5.0	NA		NA		NA	
trans-1,2-Dichloroethene	UG/L	ND	5.0	NA		NA		NA	
1,2-Dichloropropane	UG/L	ND	5.0	NA		NA		NA	
cis-1,3-Dichloropropene	UG/L	ND	5.0	NA		NA		NA	
trans-1,3-Dichloropropene	UG/L	ND	5.0	NA		NA		NA	
Ethylbenzene	UG/L	ND	5.0	NA		NA		NA	
2-Hexanone	UG/L	ND	25	NA		NA		NA	
Isopropylbenzene	UG/L	ND	5.0	NA		NA		NA	
Methyl acetate	UG/L	ND	5.0	NA		NA		NA	
Methylcyclohexane	UG/L	ND	5.0	NA		NA		NA	
Methylene chloride	UG/L	ND	5.0	NA		NA		NA	
4-Methyl-2-pentanone	UG/L	ND	25	NA		NA		NA	
Methyl-t-Butyl Ether (MTBE)	UG/L	ND	5.0	NA		NA		NA	
Styrene	UG/L	ND	5.0	NA		NA		NA	
1,1,2,2-Tetrachloroethane	UG/L	ND	5.0	NA		NA		NA	
Tetrachloroethene	UG/L	ND	5.0	NA		NA		NA	
Toluene	UG/L	ND	5.0	NA		NA		NA	
1,2,4-Trichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
1,1,1-Trichloroethane	UG/L	ND	5.0	NA		NA		NA	
1,1,2-Trichloroethane	UG/L	ND	5.0	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		VBLK34							
Job No	Lab ID	A08-5917	A8B1641802						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	5.0	NA		NA		NA	
Trichlorofluoromethane	UG/L	ND	5.0	NA		NA		NA	
Trichloroethene	UG/L	ND	5.0	NA		NA		NA	
Vinyl chloride	UG/L	ND	5.0	NA		NA		NA	
Total Xylenes	UG/L	ND	15	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	90	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	92	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	78	50-200	NA		NA		NA	
Toluene-D8	%	95	71-126	NA		NA		NA	
p-Bromofluorobenzene	%	85	73-120	NA		NA		NA	
1,2-Dichloroethane-D4	%	95	66-137	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client Sample ID: VBLK34 MSB34
Lab Sample ID: A8B1641802 A8B1641801

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/L	26.5	25.0	106	65-142
Trichloroethene	UG/L	24.9	25.0	100	71-120
Benzene	UG/L	25.7	25.0	103	67-126
Toluene	UG/L	26.4	25.0	106	69-120
Chlorobenzene	UG/L	26.0	25.0	104	73-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	HP (15) A08-5917 A8591701	HP (20) A08-5917 A8591702	HP (25) A08-5917 A8591703	HP (30) A08-5917 A8591704	
Sample Date	05/22/2008 15:50	05/23/2008 07:30	05/23/2008 09:10	05/23/2008 10:45	
Received Date	05/24/2008 08:50	05/24/2008 08:50	05/24/2008 08:50	05/24/2008 08:50	
Extraction Date					
Analysis Date	06/03/2008 17:04	06/03/2008 17:28	06/03/2008 17:52	06/03/2008 18:16	
Extraction HT Met?	-	-	-	-	
Analytical HT Met?	YES	YES	YES	YES	
Sample Matrix	WATER	WATER	WATER	WATER	
Dilution Factor	1.0	1.0	1.0	1.0	
Sample wt/vol	0.005 LITERS	0.005 LITERS	0.005 LITERS	0.005 LITERS	
% Dry					

NA = Not Applicable

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	TRIP BLANK A08-5917 A8591705				
Sample Date	05/23/2008 00:00				
Received Date	05/24/2008 08:50				
Extraction Date					
Analysis Date	06/03/2008 18:40				
Extraction HT Met?	-				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID	VBLK34				
Job No & Lab Sample ID	A08-5917 A8B1641802				
Sample Date					
Received Date					
Extraction Date					
Analysis Date	06/03/2008 11:21				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

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TAL-4124 (1007)

Client: ARCADIS	Project Manager: Jeff Bonsteel	Date: 05/23/08	Chain of Custody Number: 083453
Address: 465 New Karner Rd.	Telephone Number (Area Code)/Fax Number: 518 452 7826	Lab Number:	Page 1 of 1
City: Albany / State: NY / Zip Code: 12205	Site Contact:	Lab Contact: Candace Fox	
Project Name and Location (State): Lockheed Martin - Utica, NY	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: N1000631.0001			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TCL VOAs	M.8260	Special Instructions/ Conditions of Receipt
HP (15)	05/22/08	1550		✓				~~✓~~		2			2		
HP (20)	05/23/08	0730		✓						2			2		
HP (25)	05/23/08	0910		✓						2			2		
HP (30)	05/23/08	1045		✓						2			2		
Trip Blank	—	—		✓						1			1		

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	05/23/08	1200	1. Received By: [signature]	5/23/08	0850
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

20°

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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ANALYTICAL REPORT

Job#: A08-5917

Project#: NY9A8463
Site Name: ARCADIS
Task: LMC - Utica, NY -- Full TCLP Parameters

Jeff Bonsteel
465 New Karner Road
Albany, NY 12205

TestAmerica Laboratories Inc.

Candace L. Fox
Project Manager

06/05/2008

DV Rpt #: 9889R

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TestAmerica Buffalo
Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA,CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	Registration, NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A8591701	HP (15)	WATER	05/22/2008	15:50	05/24/2008	08:50
A8591702	HP (20)	WATER	05/23/2008	07:30	05/24/2008	08:50
A8591703	HP (25)	WATER	05/23/2008	09:10	05/24/2008	08:50
A8591704	HP (30)	WATER	05/23/2008	10:45	05/24/2008	08:50
A8591705	TRIP BLANK	WATER	05/23/2008	00:00	05/24/2008	08:50

METHODS SUMMARY

Job#: A08-5917

Project#: NY9A8463
Site Name: ARCADIS

PARAMETER	ANALYTICAL METHOD
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-5917

Project#: NY9A8463
Site Name: ARCADIS

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-5917
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

Due to the amount of sediment present in the sample vials, volumes from two separate vials were combined for samples HP (15), HP (25), and HP (30).

All samples exhibited a pH>2 at the time of analysis. The analysis was performed after the recommended 7 days for un-preserved samples, therefore all detected concentrations should be considered minimum values and the results estimated.

****

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DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Date: 06/05/2008
Time: 10:57:35

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters
METHOD 8260 - TCL VOLATILE ORGANICS

Rept: AN1247

Client ID		VBLK34							
Job No	Lab ID	A08-5917	A8B1641802						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	ND	25	NA		NA		NA	
Benzene	UG/L	ND	5.0	NA		NA		NA	
Bromodichloromethane	UG/L	ND	5.0	NA		NA		NA	
Bromoform	UG/L	ND	5.0	NA		NA		NA	
Bromomethane	UG/L	ND	5.0	NA		NA		NA	
2-Butanone	UG/L	ND	25	NA		NA		NA	
Carbon Disulfide	UG/L	ND	5.0	NA		NA		NA	
Carbon Tetrachloride	UG/L	ND	5.0	NA		NA		NA	
Chlorobenzene	UG/L	ND	5.0	NA		NA		NA	
Chloroethane	UG/L	ND	5.0	NA		NA		NA	
Chloroform	UG/L	ND	5.0	NA		NA		NA	
Chloromethane	UG/L	ND	5.0	NA		NA		NA	
Cyclohexane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dibromoethane	UG/L	ND	5.0	NA		NA		NA	
Dibromochloromethane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dibromo-3-chloropropane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
1,3-Dichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
1,4-Dichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
Dichlorodifluoromethane	UG/L	ND	5.0	NA		NA		NA	
1,1-Dichloroethane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dichloroethane	UG/L	ND	5.0	NA		NA		NA	
1,1-Dichloroethene	UG/L	ND	5.0	NA		NA		NA	
cis-1,2-Dichloroethene	UG/L	ND	5.0	NA		NA		NA	
trans-1,2-Dichloroethene	UG/L	ND	5.0	NA		NA		NA	
1,2-Dichloropropane	UG/L	ND	5.0	NA		NA		NA	
cis-1,3-Dichloropropene	UG/L	ND	5.0	NA		NA		NA	
trans-1,3-Dichloropropene	UG/L	ND	5.0	NA		NA		NA	
Ethylbenzene	UG/L	ND	5.0	NA		NA		NA	
2-Hexanone	UG/L	ND	25	NA		NA		NA	
Isopropylbenzene	UG/L	ND	5.0	NA		NA		NA	
Methyl acetate	UG/L	ND	5.0	NA		NA		NA	
Methylcyclohexane	UG/L	ND	5.0	NA		NA		NA	
Methylene chloride	UG/L	ND	5.0	NA		NA		NA	
4-Methyl-2-pentanone	UG/L	ND	25	NA		NA		NA	
Methyl-t-Butyl Ether (MTBE)	UG/L	ND	5.0	NA		NA		NA	
Styrene	UG/L	ND	5.0	NA		NA		NA	
1,1,2,2-Tetrachloroethane	UG/L	ND	5.0	NA		NA		NA	
Tetrachloroethene	UG/L	ND	5.0	NA		NA		NA	
Toluene	UG/L	ND	5.0	NA		NA		NA	
1,2,4-Trichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
1,1,1-Trichloroethane	UG/L	ND	5.0	NA		NA		NA	
1,1,2-Trichloroethane	UG/L	ND	5.0	NA		NA		NA	

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NA = Not Applicable ND = Not Detected

Client ID		VBLK34							
Job No	Lab ID	A08-5917	A8B1641802						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	5.0	NA		NA		NA	
Trichlorofluoromethane	UG/L	ND	5.0	NA		NA		NA	
Trichloroethene	UG/L	ND	5.0	NA		NA		NA	
Vinyl chloride	UG/L	ND	5.0	NA		NA		NA	
Total Xylenes	UG/L	ND	15	NA		NA		NA	
=====IS/SURROGATE(S)=====									
Chlorobenzene-D5	%	90	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	92	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	78	50-200	NA		NA		NA	
Toluene-D8	%	95	71-126	NA		NA		NA	
p-Bromofluorobenzene	%	85	73-120	NA		NA		NA	
1,2-Dichloroethane-D4	%	95	66-137	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client Sample ID: VBLK34 MSB34
Lab Sample ID: A8B1641802 A8B1641801

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/L	26.5	25.0	106	65-142
Trichloroethene	UG/L	24.9	25.0	100	71-120
Benzene	UG/L	25.7	25.0	103	67-126
Toluene	UG/L	26.4	25.0	106	69-120
Chlorobenzene	UG/L	26.0	25.0	104	73-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	HP (15) A08-5917 A8591701	HP (20) A08-5917 A8591702	HP (25) A08-5917 A8591703	HP (30) A08-5917 A8591704	
Sample Date	05/22/2008 15:50	05/23/2008 07:30	05/23/2008 09:10	05/23/2008 10:45	
Received Date	05/24/2008 08:50	05/24/2008 08:50	05/24/2008 08:50	05/24/2008 08:50	
Extraction Date					
Analysis Date	06/03/2008 17:04	06/03/2008 17:28	06/03/2008 17:52	06/03/2008 18:16	
Extraction HT Met?	-	-	-	-	
Analytical HT Met?	YES	YES	YES	YES	
Sample Matrix	WATER	WATER	WATER	WATER	
Dilution Factor	1.0	1.0	1.0	1.0	
Sample wt/vol	0.005 LITERS	0.005 LITERS	0.005 LITERS	0.005 LITERS	
% Dry					

NA = Not Applicable

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	TRIP BLANK A08-5917 A8591705				
Sample Date	05/23/2008 00:00				
Received Date	05/24/2008 08:50				
Extraction Date					
Analysis Date	06/03/2008 18:40				
Extraction HT Met?	-				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	VBLK34 A08-5917 A8B1641802				
Sample Date					
Received Date					
Extraction Date					
Analysis Date	06/03/2008 11:21				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

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NA = Not Applicable

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

HP (15)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8591701

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J9128.RR

Level: (low/med) LOW Date Samp/Recv: 05/22/2008 05/24/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 06/03/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	7.0	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	14	
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	0.90	J
156-59-2	cis-1,2-Dichloroethene	40	
156-60-5	trans-1,2-Dichloroethene	1.7	J
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

HP (15)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8591701

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J9128.RR

Level: (low/med) LOW Date Samp/Recv: 05/22/2008 05/24/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 06/03/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

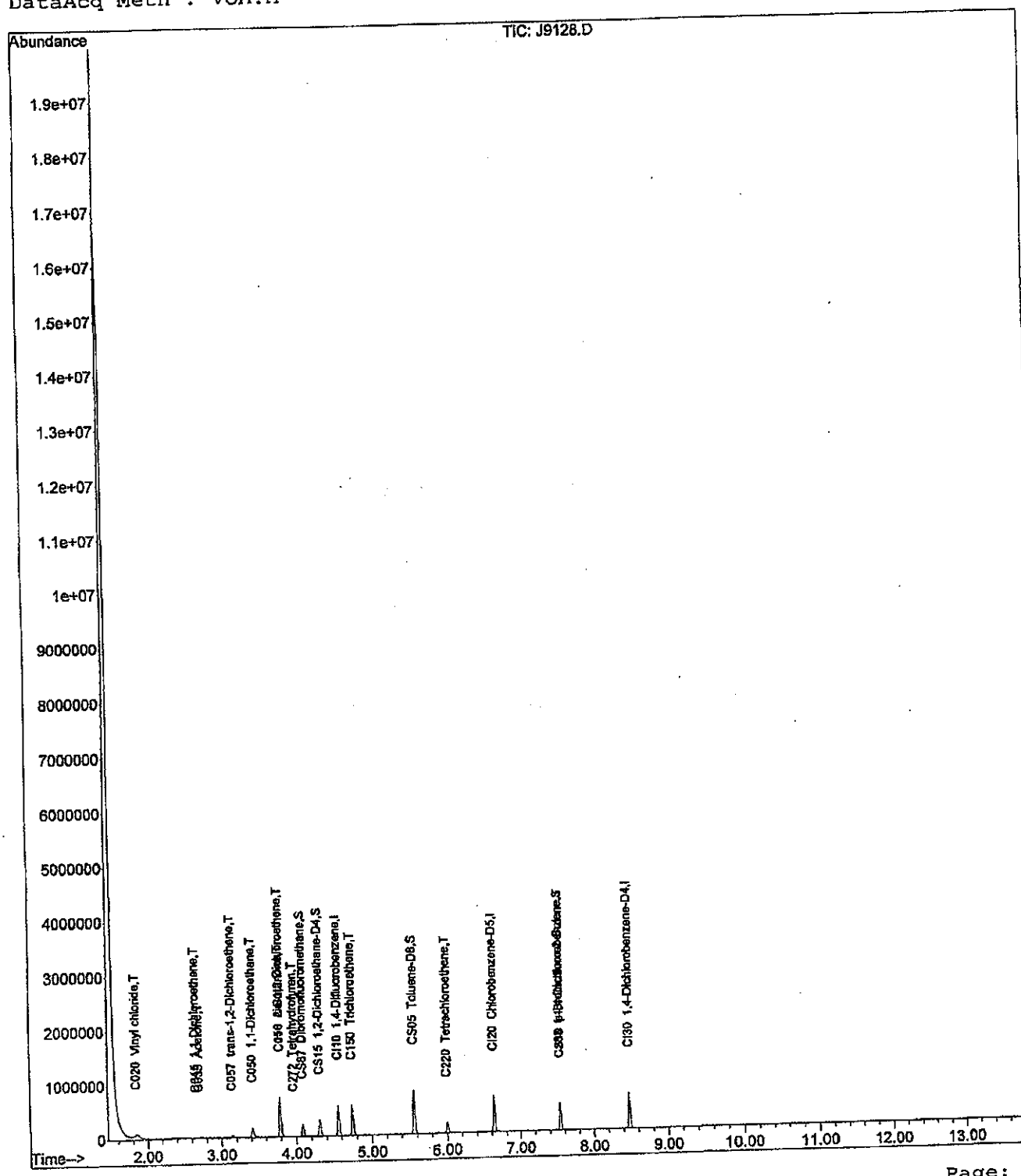
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	9.2	
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	28	
75-01-4	Vinyl chloride	20	
1330-20-7	Total Xylenes	15	U

Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDChem\1\DATA\060308\J9128.D
Acq On : 3 Jun 2008 17:04
Sample : A8591701 A+B SEDIMENT
Misc :
MS Integration Params: RTEINT.P

Vial: 41
Operator: LH
Inst : HP5973J
Multiplr: 1.00

Quant Time: Jun 03 17:35:08 2008 Results File: A8I0000379.RES
Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M



Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDChem\1\DATA\060308\J9128.D Vial: 41
Acq On : 3 Jun 2008 17:04 Operator: LH
Sample : A8591701 A+B SEDIMENT Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 17:35:08 2008 Results File: A8I0000379.RES

Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M
IS QA File : C:\MSDChem\1\DATA\060308\J9112.D (3 Jun 2008 10:24)

6/5/08 CM

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.56	114	341144	125.00	ng	0.00 85.71%
43) CI20	Chlorobenzene-D5	6.64	117	303534	125.00	ng	0.00 85.53%
62) CI30	1,4-Dichlorobenzene-	8.48	152	154397	125.00	ng	0.00 70.80%
System Monitoring Compounds							
30) CS87	Dibromofluoromethane	4.08	111	125090	137.38	ng	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery =	109.90%		
31) CS15	1,2-Dichloroethane-D	4.31	65	185624	130.48	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery =	104.38%		
44) CS05	Toluene-D8	5.56	98	448294	120.22	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery =	96.18%		
61) CS10	p-Bromofluorobenzene	7.54	174	111609	101.11	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery =	80.89%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorome	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	1.84	62	143970	102.64	ng	98
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	2.14	64	1174	N.D.		
7) C275	Trichlorofluoromet	0.00	101	0	N.D.		
8) C045	1,1-Dichloroethene	2.66	96	3706	4.48	ng #	87
9) C030	Methylene chloride	2.99	84	1030	Below Cal	#	48
10) C040	Carbon disulfide	2.82	76	1960	N.D.		
11) C036	Acrolein	2.63	56	76	N.D.		
12) C038	Acrylonitrile	3.19	53	153	N.D.		
13) C035	Acetone	2.70	43	16075	35.28	ng #	82
14) C300	Acetonitrile	2.89	41	299	N.D.		
15) C276	Iodomethane	0.00	142	0	N.D.		
16) C291	1,1,2 Trichloro-1,	0.00	101	0	N.D.		
17) C962	T-butyl Methyl Eth	3.14	73	79	N.D.		
18) C057	trans-1,2-Dichloroet	3.14	96	8512	8.72	ng #	75
19) C255	Methyl Acetate	2.90	43	688	N.D.		
20) C050	1,1-Dichloroethane	3.42	63	165368	72.78	ng	96
21) C125	Vinyl Acetate	3.41	43	1655	N.D.		
22) C051	2,2-Dichloropropan	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	3.78	96	236031	201.69	ng #	74
24) C272	Tetrahydrofuran	3.97	42	1434	2.99	ng #	56
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
27) C115	1,1,1-Trichloroeth	4.10	97	1002	N.D.		
28) C120	Carbon tetrachlori	0.00	117	0	N.D.		
29) C116	1,1-Dichloropropen	0.00	75	0	N.D.		
32) C165	Benzene	4.34	78	3318	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	3.78	43	12707	16.72	ng	99
35) C256	Cyclohexane	0.00	56	0	N.D.		
36) C150	Trichloroethene	4.74	95	157289	142.07	ng	99
37) C140	1,2-Dichloropropan	0.00	63	0	N.D.		
38) C278	Dibromomethane	0.00	93	0	N.D.		

Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDChem\1\DATA\060308\J9128.D Vial: 41
Acq On : 3 Jun 2008 17:04 Operator: LH
Sample : A8591701 A+B SEDIMENT Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 17:35:08 2008 Results File: A8I0000379.RES

Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M
IS QA File : C:\MSDChem\1\DATA\060308\J9112.D (3 Jun 2008 10:24)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	0.00	83	0	N.D.		
40) C161	2-Chloroethylvinyl	0.00	63	0	N.D.		
41) C012	Methylcycolhexane	4.74	83	2120	N.D.		
42) C145	cis-1,3-Dichloropr	0.00	75	0	N.D.		
45) C230	Toluene	5.61	92	2102	N.D.		
46) C170	trans-1,3-Dichloro	0.00	75	0	N.D.		
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.		
48) C160	1,1,2-Trichloroeth	6.00	83	950	N.D.		
49) C210	4-Methyl-2-pentano	5.47	43	93	N.D.		
50) C220	Tetrachloroethene	6.00	166	51618	46.07	ng	99
51) C221	1,3-Dichloropropan	0.00	76	0	N.D.		
52) C155	Dibromochlorometha	0.00	129	0	N.D.		
53) C163	1,2-Dibromoethane	0.00	107	0	N.D.		
54) C215	2-Hexanone	5.93	43	164	N.D.		
55) C235	Chlorobenzene	0.00	112	0	N.D.		
56) C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.		
57) C240	Ethylbenzene	6.72	91	84	N.D.		
58) C246	m,p-Xylene	0.00	106	0	N.D.		
59) C247	o-Xylene	0.00	106	0	N.D.		
60) C245	Styrene	0.00	104	0	N.D.		
63) C180	Bromoform	0.00	173	0	N.D.		
64) C966	Isopropylbenzene	0.00	105	0	N.D.		
65) C301	Bromobenzene	0.00	156	0	N.D.		
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.		
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.		
68) C283	t-1,4-Dichloro-2-But	7.54	53	89	117.73	ng	# 1
69) C302	n-Propylbenzene	7.54	91	415	N.D.		
70) C303	2-Chlorotoluene	0.00	126	0	N.D.		
71) C289	4-Chlorotoluene	0.00	126	0	N.D.		
72) C304	1,3,5-Trimethylben	0.00	105	0	N.D.		
73) C306	tert-Butylbenzene	0.00	134	0	N.D.		
74) C307	1,2,4-Trimethylben	0.00	105	0	N.D.		
75) C308	sec-Butylbenzene	0.00	105	0	N.D.		
76) C260	1,3-Dichlorobenzen	0.00	146	0	N.D.		
77) C309	4-Isopropyltoluene	0.00	119	0	N.D.		
78) C267	1,4-Dichlorobenzen	0.00	146	0	N.D.		
79) C249	1,2-Dichlorobenzen	0.00	146	0	N.D.		
80) C310	n-Butylbenzene	0.00	91	0	N.D.		
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.		
82) C313	1,2,4-Trichloroben	0.00	180	0	N.D.		
83) C316	Hexachlorobutadien	0.00	225	0	N.D.		
84) C314	Naphthalene	0.00	128	0	N.D.		
85) C934	1,2,3-Trichloroben	0.00	180	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

HP (20)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8591702

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J9129.RR

Level: (low/med) LOW Date Samp/Recv: 05/23/2008 05/24/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 06/03/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	12	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	4.7	J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	17	
156-60-5	trans-1,2-Dichloroethene	0.54	J
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

HP (20)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8591702

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J9129.RR

Level: (low/med) LOW Date Samp/Recv: 05/23/2008 05/24/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 06/03/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

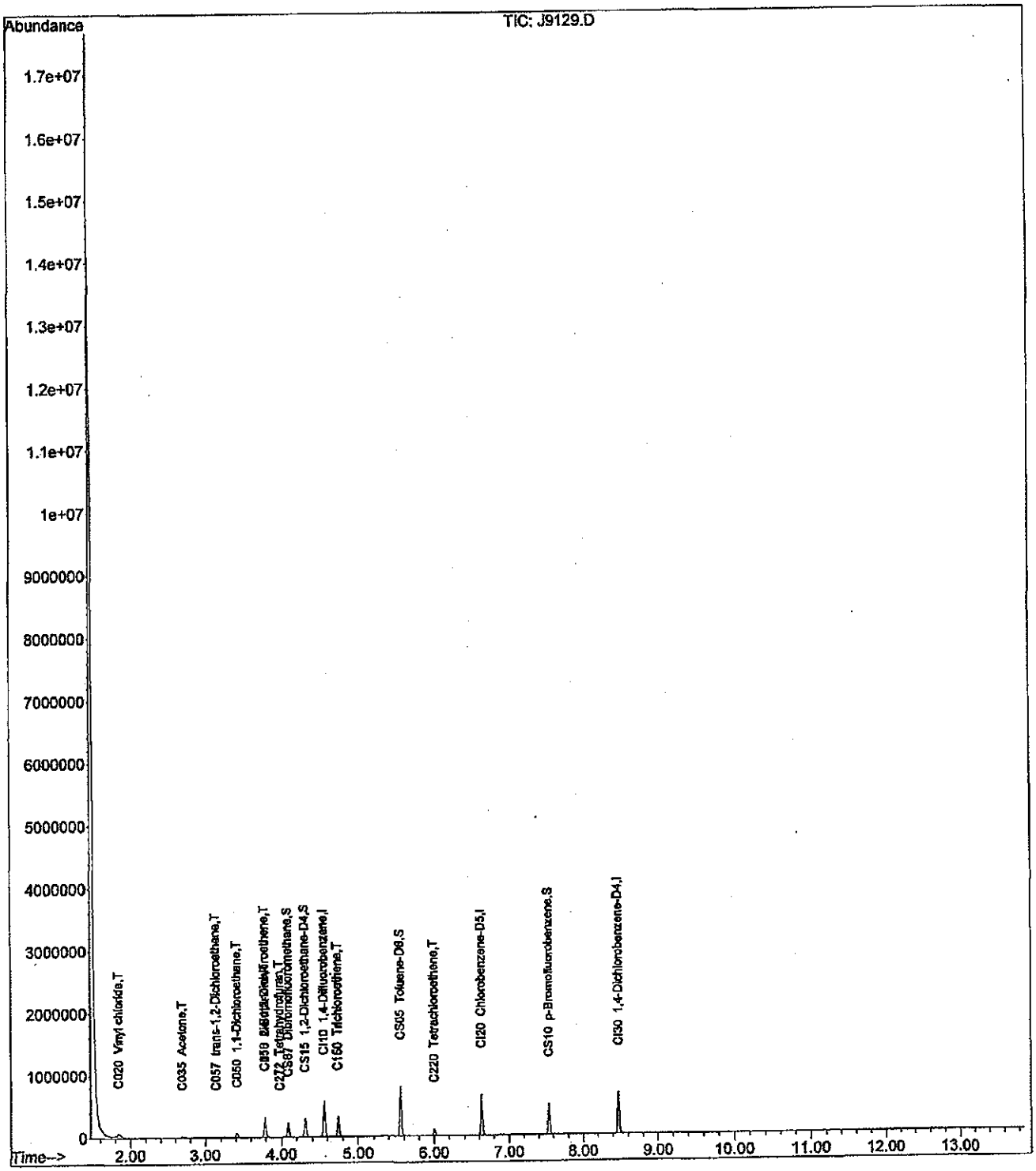
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	4.9	J
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	16	
75-01-4	Vinyl chloride	14	
1330-20-7	Total Xylenes	15	U

Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDChem\1\DATA\060308\J9129.D Vial: 42
Acq On : 3 Jun 2008 17:28 Operator: LH
Sample : A8591702 B Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Jun 03 17:46:56 2008 Results File: A8I0000379.RES
Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M



Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDChem\1\DATA\060308\J9129.D Vial: 42
Acq On : 3 Jun 2008 17:28 Operator: LH
Sample : A8591702 B Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 17:46:56 2008 Results File: A8I0000379.RES

Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M
IS QA File : C:\MSDChem\1\DATA\060308\J9112.D (3 Jun 2008 10:24)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.56	114	336239	125.00	ng	0.00 84.48%
43) CI20	Chlorobenzene-D5	6.64	117	298627	125.00	ng	0.00 84.15%
62) CI30	1,4-Dichlorobenzene-	8.48	152	151313	125.00	ng	0.00 69.38%
System Monitoring Compounds							
30) CS87	Dibromofluoromethane	4.09	111	121631	135.53	ng	0.00
Spiked Amount	125.000	Range 70 - 130		Recovery = 108.42%			
31) CS15	1,2-Dichloroethane-D	4.31	65	185521	132.31	ng	0.00
Spiked Amount	125.000	Range 66 - 137		Recovery = 105.85%			
44) CS05	Toluene-D8	5.56	98	440176	119.98	ng	0.00
Spiked Amount	125.000	Range 71 - 126		Recovery = 95.98%			
61) CS10	p-Bromofluorobenzene	7.54	174	110528	101.77	ng	0.00
Spiked Amount	125.000	Range 73 - 120		Recovery = 81.42%			

Target Compounds							Qvalue
2) C290	Dichlorodifluorome	0.00	85	0	N.D.		
3) C010	Chloromethane	1.73	50	331	N.D.		
4) C020	Vinyl chloride	1.85	62	97296	70.38 ng		100
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	2.13	64	151	N.D.		
7) C275	Trichlorofluoromet	0.00	101	0	N.D.		
8) C045	1,1-Dichloroethene	2.66	96	1121	N.D.		
9) C030	Methylene chloride	2.98	84	614	Below Cal	#	29
10) C040	Carbon disulfide	2.82	76	2401	N.D.		
11) C036	Acrolein	2.63	56	96	N.D.		
12) C038	Acrylonitrile	3.12	53	81	N.D.		
13) C035	Acetone	2.70	43	28247	62.90 ng	#	80
14) C300	Acetonitrile	2.89	41	220	N.D.		
15) C276	Iodomethane	0.00	142	0	N.D.		
16) C291	1,1,2 Trichloro-1,	0.00	101	0	N.D.		
17) C962	T-butyl Methyl Eth	0.00	73	0	N.D.		
18) C057	trans-1,2-Dichloroet	3.14	96	2625	2.73 ng	#	61
19) C255	Methyl Acetate	2.89	43	475	N.D.		
20) C050	1,1-Dichloroethane	3.42	63	52910	23.63 ng		97
21) C125	Vinyl Acetate	3.41	43	1108	N.D.		
22) C051	2,2-Dichloropropan	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	3.78	96	99354	86.14 ng	#	73
24) C272	Tetrahydrofuran	3.97	42	1444	3.06 ng	#	29
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
27) C115	1,1,1-Trichloroeth	0.00	97	0	N.D.		
28) C120	Carbon tetrachlori	0.00	117	0	N.D.		
29) C116	1,1-Dichloropropen	0.00	75	0	N.D.		
32) C165	Benzene	4.33	78	1094	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	3.78	43	16544	22.08 ng	#	63
35) C256	Cyclohexane	0.00	56	0	N.D.		
36) C150	Trichloroethene	4.74	95	87281	79.99 ng		99
37) C140	1,2-Dichloropropan	0.00	63	0	N.D.		
38) C278	Dibromomethane	0.00	93	0	N.D.		

Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDChem\1\DATA\060308\J9129.D Vial: 42
Acq On : 3 Jun 2008 17:28 Operator: LH
Sample : A8591702 B Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 17:46:56 2008 Results File: A8I0000379.RES

Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M
IS QA File : C:\MSDChem\1\DATA\060308\J9112.D (3 Jun 2008 10:24)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	0.00	83	0	N.D.		
40) C161	2-Chloroethylvinyl	0.00	63	0	N.D.		
41) C012	Methylcycolhexane	4.75	83	1223	N.D.		
42) C145	cis-1,3-Dichloropr	0.00	75	0	N.D.		
45) C230	Toluene	5.61	92	1914	N.D.		
46) C170	trans-1,3-Dichloro	0.00	75	0	N.D.		
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.		
48) C160	1,1,2-Trichloroeth	6.00	83	556	N.D.		
49) C210	4-Methyl-2-pentano	5.47	43	162	N.D.		
50) C220	Tetrachloroethene	6.00	166	27178	24.66	ng	99
51) C221	1,3-Dichloropropan	0.00	76	0	N.D.		
52) C155	Dibromochlorometha	0.00	129	0	N.D.		
53) C163	1,2-Dibromoethane	0.00	107	0	N.D.		
54) C215	2-Hexanone	0.00	43	0	N.D.		
55) C235	Chlorobenzene	0.00	112	0	N.D.		
56) C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.		
57) C240	Ethylbenzene	6.63	91	540	N.D.		
58) C246	m,p-Xylene	0.00	106	0	N.D.		
59) C247	o-Xylene	0.00	106	0	N.D.		
60) C245	Styrene	0.00	104	0	N.D.		
63) C180	Bromoform	0.00	173	0	N.D.		
64) C966	Isopropylbenzene	0.00	105	0	N.D.		
65) C301	Bromobenzene	0.00	156	0	N.D.		
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.		
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.		
68) C283	t-1,4-Dichloro-2-B	0.00	53	0	N.D.		
69) C302	n-Propylbenzene	7.54	91	330	N.D.		
70) C303	2-Chlorotoluene	0.00	126	0	N.D.		
71) C289	4-Chlorotoluene	0.00	126	0	N.D.		
72) C304	1,3,5-Trimethylben	0.00	105	0	N.D.		
73) C306	tert-Butylbenzene	0.00	134	0	N.D.		
74) C307	1,2,4-Trimethylben	0.00	105	0	N.D.		
75) C308	sec-Butylbenzene	0.00	105	0	N.D.		
76) C260	1,3-Dichlorobenzen	0.00	146	0	N.D.		
77) C309	4-Isopropyltoluene	0.00	119	0	N.D.		
78) C267	1,4-Dichlorobenzen	0.00	146	0	N.D.		
79) C249	1,2-Dichlorobenzen	0.00	146	0	N.D.		
80) C310	n-Butylbenzene	0.00	91	0	N.D.		
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.		
82) C313	1,2,4-Trichloroben	0.00	180	0	N.D.		
83) C316	Hexachlorobutadien	0.00	225	0	N.D.		
84) C314	Naphthalene	0.00	128	0	N.D.		
85) C934	1,2,3-Trichloroben	0.00	180	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

HP (25)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8591703

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J9130.RR

Level: (low/med) LOW Date Samp/Recv: 05/23/2008 05/24/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 06/03/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	10	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	1.5	J
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	1.6	J
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

HP (25)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8591703

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J9130.RR

Level: (low/med) LOW Date Samp/Recv: 05/23/2008 05/24/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 06/03/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

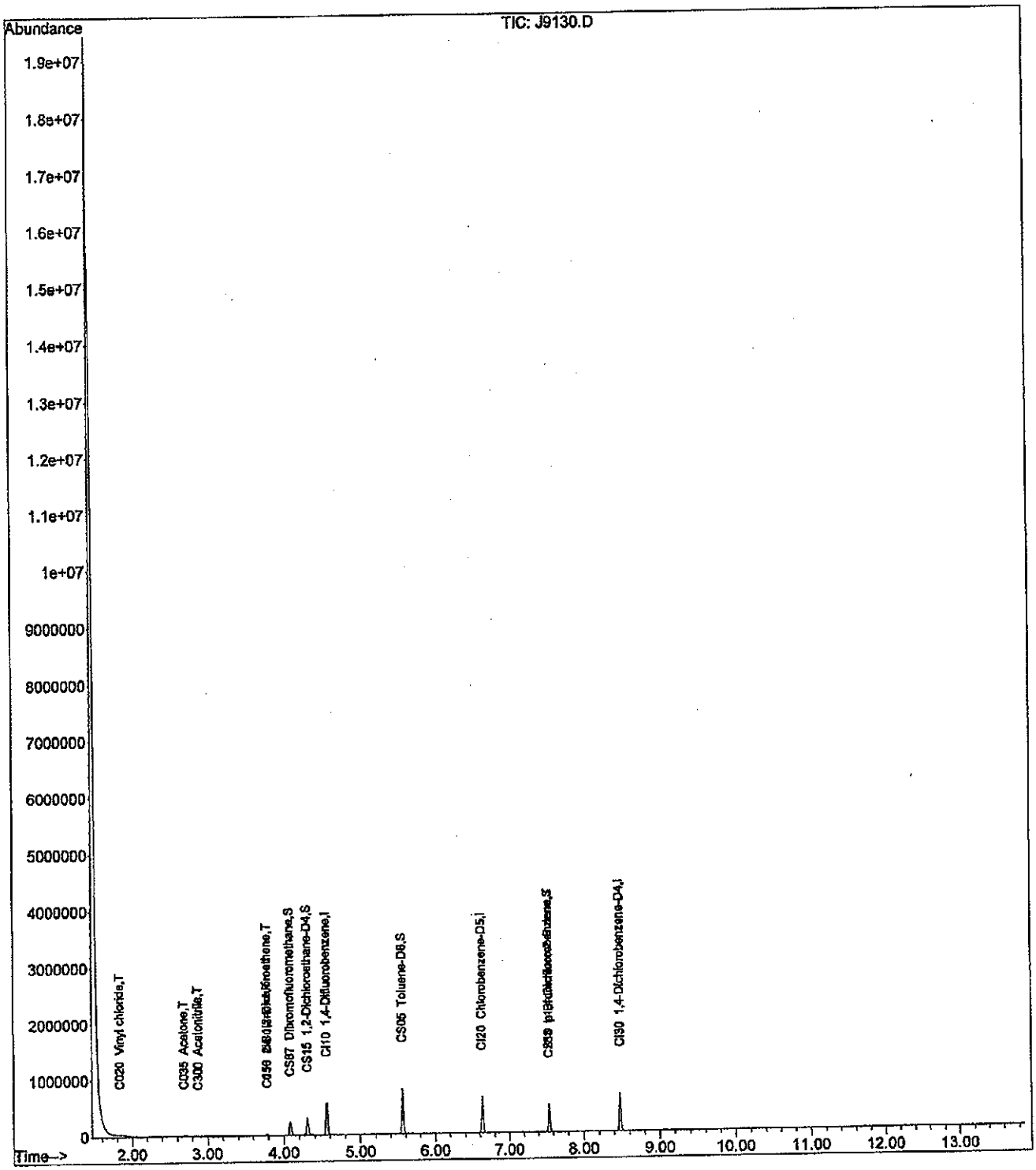
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	1.8	J
1330-20-7	Total Xylenes	15	U

Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060308\J9130.D
Acq On : 3 Jun 2008 17:52
Sample : A8591703 A+B SEDIMENT
Misc :
MS Integration Params: RTEINT.P

Vial: 43
Operator: LH
Inst : HP5973J
Multiplr: 1.00

Quant Time: Jun 03 19:05:26 2008 Results File: A8I0000379.RES
Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M



Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060308\J9130.D Vial: 43
Acq On : 3 Jun 2008 17:52 Operator: LH
Sample : A8591703 A+B SEDIMENT Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:05:26 2008 Results File: A8I0000379.RES

Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M
IS QA File : C:\MSDChem\1\DATA\060308\J9112.D (3 Jun 2008 10:24)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.56	114	338878	125.00	ng	0.00 85.14%
43) CI20	Chlorobenzene-D5	6.64	117	298105	125.00	ng	0.00 84.00%
62) CI30	1,4-Dichlorobenzene-	8.48	152	153503	125.00	ng	0.00 70.39%
System Monitoring Compounds							
30) CS87	Dibromofluoromethane	4.08	111	122984	135.97	ng	0.00
Spiked Amount	125.000	Range 70 - 130		Recovery = 108.78%			
31) CS15	1,2-Dichloroethane-D	4.31	65	185693	131.40	ng	0.00
Spiked Amount	125.000	Range 66 - 137		Recovery = 105.12%			
44) CS05	Toluene-D8	5.56	98	436360	119.15	ng	0.00
Spiked Amount	125.000	Range 71 - 126		Recovery = 95.32%			
61) CS10	p-Bromofluorobenzene	7.54	174	110625	102.04	ng	0.00
Spiked Amount	125.000	Range 73 - 120		Recovery = 81.63%			
Target Compounds							Qvalue
2) C290	Dichlorodifluorome	0.00	85	0	N.D.		
3) C010	Chloromethane	1.74	50	162	N.D.		
4) C020	Vinyl chloride	1.83	62	12517	8.98	ng	98
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluoromet	0.00	101	0	N.D.		
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
9) C030	Methylene chloride	2.97	84	678	Below Cal	#	15
10) C040	Carbon disulfide	2.82	76	1744	N.D.		
11) C036	Acrolein	2.59	56	76	N.D.		
12) C038	Acrylonitrile	0.00	53	0	N.D.		
13) C035	Acetone	2.69	43	23784	52.55	ng #	87
14) C300	Acetonitrile	2.88	41	366	2.11	ng	100
15) C276	Iodomethane	0.00	142	0	N.D.		
16) C291	1,1,2 Trichloro-1,	0.00	101	0	N.D.		
17) C962	T-butyl Methyl Eth	0.00	73	0	N.D.		
18) C057	trans-1,2-Dichloro	0.00	96	0	N.D.		
19) C255	Methyl Acetate	2.89	43	334	N.D.		
20) C050	1,1-Dichloroethane	3.41	63	4398	N.D.		
21) C125	Vinyl Acetate	3.41	43	373	N.D.		
22) C051	2,2-Dichloropropan	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	3.78	96	9121	7.85	ng #	83
24) C272	Tetrahydrofuran	3.96	42	659	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
27) C115	1,1,1-Trichloroeth	0.00	97	0	N.D.		
28) C120	Carbon tetrachlori	0.00	117	0	N.D.		
29) C116	1,1-Dichloropropen	0.00	75	0	N.D.		
32) C165	Benzene	4.33	78	321	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	3.78	43	5578	7.39	ng #	59
35) C256	Cyclohexane	0.00	56	0	N.D.		
36) C150	Trichloroethene	4.74	95	1931	N.D.		
37) C140	1,2-Dichloropropan	0.00	63	0	N.D.		
38) C278	Dibromomethane	0.00	93	0	N.D.		

Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060308\J9130.D Vial: 43
Acq On : 3 Jun 2008 17:52 Operator: LH
Sample : A8591703 A+B SEDIMENT Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:05:26 2008 Results File: A8I0000379.RES

Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M
IS QA File : C:\MSDChem\1\DATA\060308\J9112.D (3 Jun 2008 10:24)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	0.00	83	0	N.D.		
40) C161	2-Chloroethylvinyl	0.00	63	0	N.D.		
41) C012	Methylcycolhexane	0.00	83	0	N.D.		
42) C145	cis-1,3-Dichloropr	0.00	75	0	N.D.		
45) C230	Toluene	0.00	92	0	N.D.		
46) C170	trans-1,3-Dichloro	0.00	75	0	N.D.		
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.		
48) C160	1,1,2-Trichloroeth	0.00	83	0	N.D.		
49) C210	4-Methyl-2-pentano	5.56	43	2535	N.D.		
50) C220	Tetrachloroethene	6.00	166	161	N.D.		
51) C221	1,3-Dichloropropan	0.00	76	0	N.D.		
52) C155	Dibromochlorometha	0.00	129	0	N.D.		
53) C163	1,2-Dibromoethane	0.00	107	0	N.D.		
54) C215	2-Hexanone	0.00	43	0	N.D.		
55) C235	Chlorobenzene	0.00	112	0	N.D.		
56) C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.		
57) C240	Ethylbenzene	6.63	91	583	N.D.		
58) C246	m,p-Xylene	0.00	106	0	N.D.		
59) C247	o-Xylene	0.00	106	0	N.D.		
60) C245	Styrene	0.00	104	0	N.D.		
63) C180	Bromoform	0.00	173	0	N.D.		
64) C966	Isopropylbenzene	0.00	105	0	N.D.		
65) C301	Bromobenzene	0.00	156	0	N.D.		
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.		
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.		
68) C283	t-1,4-Dichloro-2-But	7.54	53	187	117.97	ng	# 1
69) C302	n-Propylbenzene	7.54	91	425	N.D.		
70) C303	2-Chlorotoluene	0.00	126	0	N.D.		
71) C289	4-Chlorotoluene	0.00	126	0	N.D.		
72) C304	1,3,5-Trimethylben	0.00	105	0	N.D.		
73) C306	tert-Butylbenzene	0.00	134	0	N.D.		
74) C307	1,2,4-Trimethylben	0.00	105	0	N.D.		
75) C308	sec-Butylbenzene	0.00	105	0	N.D.		
76) C260	1,3-Dichlorobenzen	0.00	146	0	N.D.		
77) C309	4-Isopropyltoluene	0.00	119	0	N.D.		
78) C267	1,4-Dichlorobenzen	0.00	146	0	N.D.		
79) C249	1,2-Dichlorobenzen	0.00	146	0	N.D.		
80) C310	n-Butylbenzene	0.00	91	0	N.D.		
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.		
82) C313	1,2,4-Trichloroben	0.00	180	0	N.D.		
83) C316	Hexachlorobutadien	0.00	225	0	N.D.		
84) C314	Naphthalene	0.00	128	0	N.D.		
85) C934	1,2,3-Trichloroben	0.00	180	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

HP (30)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8591704

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J9131.RR

Level: (low/med) LOW Date Samp/Recv: 05/23/2008 05/24/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 06/03/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	8.1	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

HP (30)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8591704

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J9131.RR

Level: (low/med) LOW Date Samp/Recv: 05/23/2008 05/24/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 06/03/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

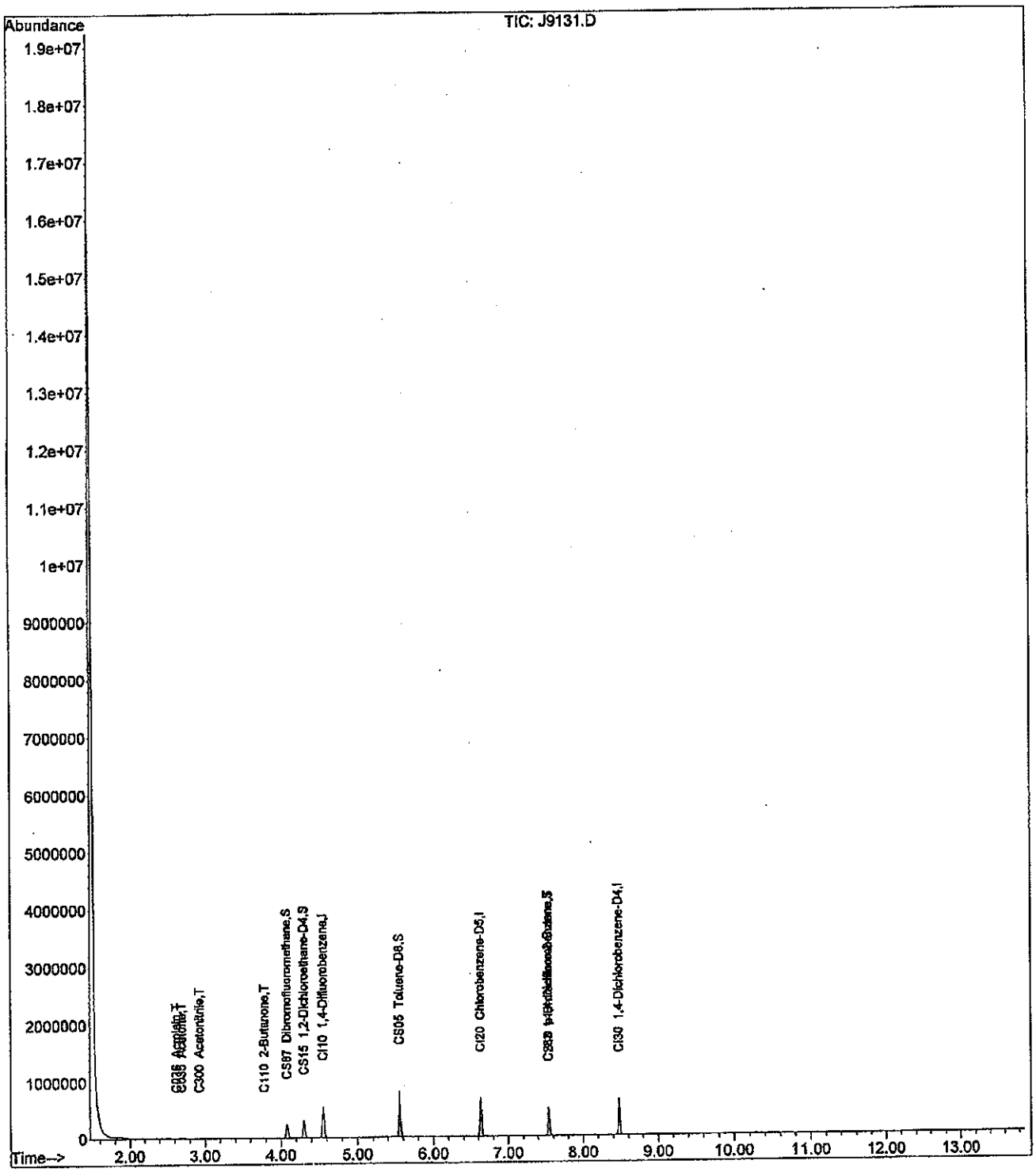
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060308\J9131.D
Acq On : 3 Jun 2008 18:16
Sample : A8591704 A+B SEDIMENT
Misc :
MS Integration Params: RTEINT.P

Vial: 44
Operator: LH
Inst : HP5973J
Multiplr: 1.00

Quant Time: Jun 03 19:05:30 2008 Results File: A8I0000379.RES
Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M



Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060308\J9131.D Vial: 44
Acq On : 3 Jun 2008 18:16 Operator: LH
Sample : A8591704 A+B SEDIMENT Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:05:30 2008 Results File: A8I0000379.RES

Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M
IS QA File : C:\MSDChem\1\DATA\060308\J9112.D (3 Jun 2008 10:24)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.56	114	340544	125.00	ng	0.00 85.56%
43) CI20	Chlorobenzene-D5	6.63	117	305380	125.00	ng	0.00 86.05%
62) CI30	1,4-Dichlorobenzene-	8.48	152	153438	125.00	ng	0.00 70.36%
System Monitoring Compounds							
30) CS87	Dibromofluoromethane	4.08	111	124190	136.63	ng	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery =	109.30%		
31) CS15	1,2-Dichloroethane-D	4.31	65	186211	131.12	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery =	104.90%		
44) CS05	Toluene-D8	5.56	98	440293	117.36	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery =	93.89%		
61) CS10	p-Bromofluorobenzene	7.54	174	109430	98.53	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery =	78.82%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorome	0.00	85	0	N.D.		
3) C010	Chloromethane	1.74	50	1226	N.D.		
4) C020	Vinyl chloride	1.83	62	1834	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluoromet	0.00	101	0	N.D.		
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
9) C030	Methylene chloride	2.98	84	1832	Below Cal	#	66
10) C040	Carbon disulfide	2.83	76	1427	N.D.		
11) C036	Acrolein	2.63	56	664	12.51 ng	#	32
12) C038	Acrylonitrile	0.00	53	0	N.D.		
13) C035	Acetone	2.69	43	18351	40.35 ng	#	78
14) C300	Acetonitrile	2.94	41	359	2.06 ng		94
15) C276	Iodomethane	0.00	142	0	N.D.		
16) C291	1,1,2 Trichloro-1,	0.00	101	0	N.D.		
17) C962	T-butyl Methyl Eth	0.00	73	0	N.D.		
18) C057	trans-1,2-Dichloro	0.00	96	0	N.D.		
19) C255	Methyl Acetate	2.88	43	439	N.D.		
20) C050	1,1-Dichloroethane	3.41	63	389	N.D.		
21) C125	Vinyl Acetate	3.41	43	949	N.D.		
22) C051	2,2-Dichloropropan	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroet	3.78	96	962	N.D.		
24) C272	Tetrahydrofuran	3.96	42	107	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
27) C115	1,1,1-Trichloroeth	0.00	97	0	N.D.		
28) C120	Carbon tetrachlori	0.00	117	0	N.D.		
29) C116	1,1-Dichloropropen	0.00	75	0	N.D.		
32) C165	Benzene	0.00	78	0	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	3.78	43	9932	13.09 ng	#	42
35) C256	Cyclohexane	0.00	56	0	N.D.		
36) C150	Trichloroethene	0.00	95	0	N.D.		
37) C140	1,2-Dichloropropan	0.00	63	0	N.D.		
38) C278	Dibromomethane	0.00	93	0	N.D.		

Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060308\J9131.D Vial: 44
Acq On : 3 Jun 2008 18:16 Operator: LH
Sample : A8591704 A+B SEDIMENT Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:05:30 2008 Results File: A8I0000379.RES

Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M
IS QA File : C:\MSDChem\1\DATA\060308\J9112.D (3 Jun 2008 10:24)

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	0.00	83	0	N.D.	
40) C161	2-Chloroethylvinyl	0.00	63	0	N.D.	
41) C012	Methylcycolhexane	0.00	83	0	N.D.	
42) C145	cis-1,3-Dichloropr	0.00	75	0	N.D.	
45) C230	Toluene	0.00	92	0	N.D.	
46) C170	trans-1,3-Dichloro	0.00	75	0	N.D.	
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48) C160	1,1,2-Trichloroeth	0.00	83	0	N.D.	
49) C210	4-Methyl-2-pentano	5.56	43	2626	N.D.	
50) C220	Tetrachloroethene	0.00	166	0	N.D.	
51) C221	1,3-Dichloropropan	0.00	76	0	N.D.	
52) C155	Dibromochlorometha	0.00	129	0	N.D.	
53) C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54) C215	2-Hexanone	0.00	43	0	N.D.	
55) C235	Chlorobenzene	0.00	112	0	N.D.	
56) C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.	
57) C240	Ethylbenzene	6.64	91	599	N.D.	
58) C246	m,p-Xylene	0.00	106	0	N.D.	
59) C247	o-Xylene	0.00	106	0	N.D.	
60) C245	Styrene	0.00	104	0	N.D.	
63) C180	Bromoform	0.00	173	0	N.D.	
64) C966	Isopropylbenzene	0.00	105	0	N.D.	
65) C301	Bromobenzene	0.00	156	0	N.D.	
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.	
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.	
68) C283	t-1,4-Dichloro-2-But	7.53	53	247	118.11 ng	# 1
69) C302	n-Propylbenzene	7.55	91	398	N.D.	
70) C303	2-Chlorotoluene	0.00	126	0	N.D.	
71) C289	4-Chlorotoluene	0.00	126	0	N.D.	
72) C304	1,3,5-Trimethylben	0.00	105	0	N.D.	
73) C306	tert-Butylbenzene	0.00	134	0	N.D.	
74) C307	1,2,4-Trimethylben	0.00	105	0	N.D.	
75) C308	sec-Butylbenzene	0.00	105	0	N.D.	
76) C260	1,3-Dichlorobenzen	0.00	146	0	N.D.	
77) C309	4-Isopropyltoluene	0.00	119	0	N.D.	
78) C267	1,4-Dichlorobenzen	0.00	146	0	N.D.	
79) C249	1,2-Dichlorobenzen	0.00	146	0	N.D.	
80) C310	n-Butylbenzene	0.00	91	0	N.D.	
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.	
82) C313	1,2,4-Trichloroben	0.00	180	0	N.D.	
83) C316	Hexachlorobutadien	0.00	225	0	N.D.	
84) C314	Naphthalene	0.00	128	0	N.D.	
85) C934	1,2,3-Trichloroben	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8591705

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J9132.RR

Level: (low/med) LOW Date Samp/Recv: 05/23/2008 05/24/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 06/03/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8591705

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J9132.RR

Level: (low/med) LOW Date Samp/Recv: 05/23/2008 05/24/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 06/03/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

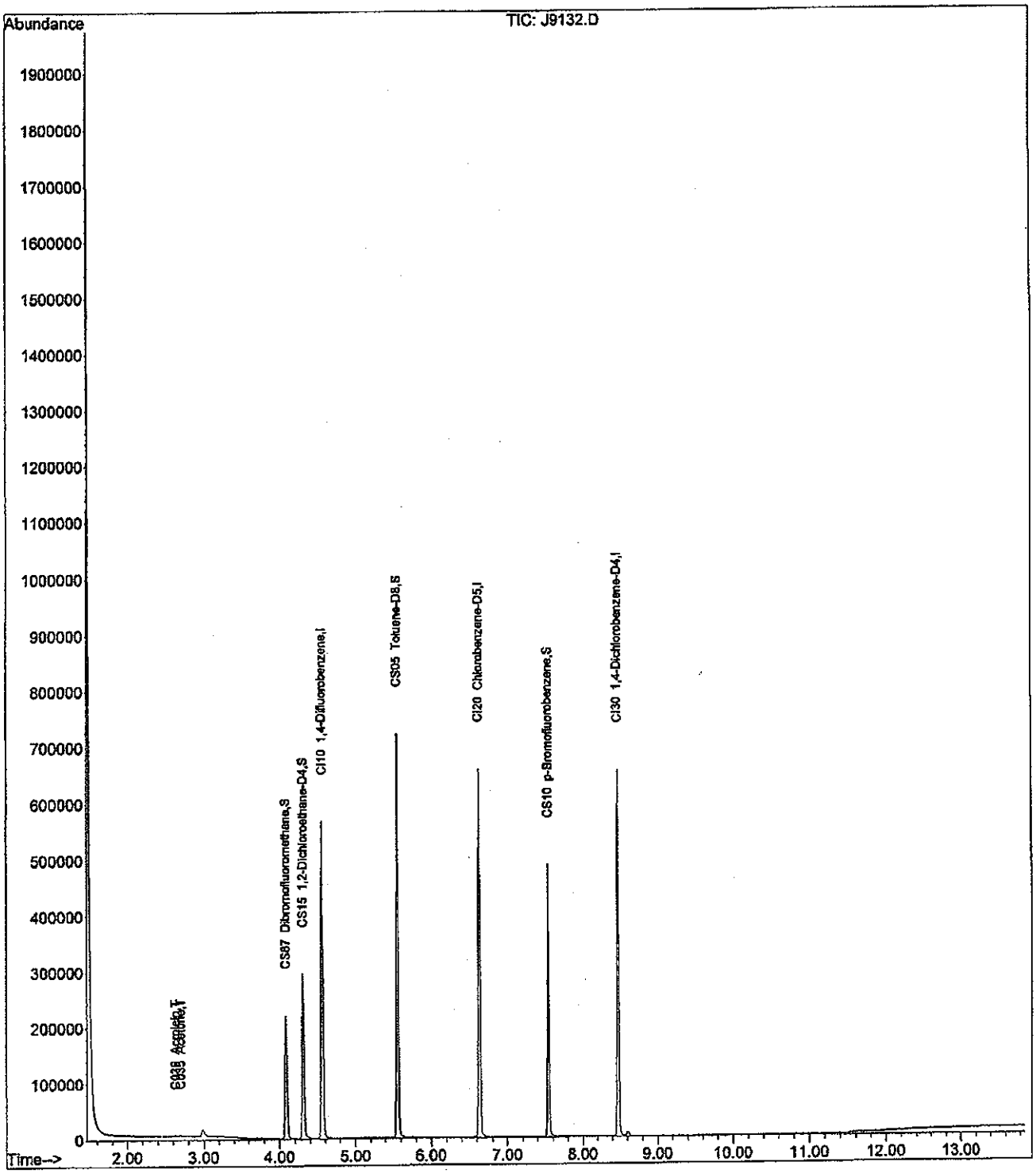
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060308\J9132.D
Acq On : 3 Jun 2008 18:40
Sample : A8591705
Misc :
MS Integration Params: RTEINT.P

Vial: 45
Operator: LH
Inst : HP5973J
Multiplr: 1.00

Quant Time: Jun 03 19:05:34 2008 Results File: A8I0000379.RES
Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M



Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060308\J9132.D Vial: 45
Acq On : 3 Jun 2008 18:40 Operator: LH
Sample : A8591705 Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:05:34 2008 Results File: A8I0000379.RES

Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M
IS QA File : C:\MSDChem\1\DATA\060308\J9112.D (3 Jun 2008 10:24)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.56	114	334147	125.00	ng	0.00 83.96%
43) CI20	Chlorobenzene-D5	6.64	117	298264	125.00	ng	0.00 84.05%
62) CI30	1,4-Dichlorobenzene-	8.48	152	151509	125.00	ng	0.00 69.47%
System Monitoring Compounds							
30) CS87	Dibromofluoromethane	4.08	111	121725	136.48	ng	0.00
Spiked Amount	125.000	Range	70 - 130		Recovery =		109.18%
31) CS15	1,2-Dichloroethane-D	4.31	65	182954	131.29	ng	0.00
Spiked Amount	125.000	Range	66 - 137		Recovery =		105.03%
44) CS05	Toluene-D8	5.56	98	393892	107.50	ng	0.00
Spiked Amount	125.000	Range	71 - 126		Recovery =		86.00%
61) CS10	p-Bromofluorobenzene	7.54	174	106639	98.31	ng	0.00
Spiked Amount	125.000	Range	73 - 120		Recovery =		78.65%

Target Compounds						Qvalue
2) C290	Dichlorodifluorome	0.00	85	0	N.D.	
3) C010	Chloromethane	1.73	50	496	N.D.	
4) C020	Vinyl chloride	0.00	62	0	N.D.	
5) C015	Bromomethane	0.00	94	0	N.D.	
6) C025	Chloroethane	0.00	64	0	N.D.	
7) C275	Trichlorofluoromet	0.00	101	0	N.D.	
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.	
9) C030	Methylene chloride	2.99	84	5043	Below Cal	# 56
10) C040	Carbon disulfide	2.82	76	613	N.D.	
11) C036	~~Acrolein~~	~~2.63~~	~~56~~	~~155~~	~~2.98 ng~~	~~# 1~~
12) C038	Acrylonitrile	0.00	53	0	N.D.	
13) C035	~~Acetone~~	~~2.70~~	~~43~~	~~2280~~	~~5.11 ng~~	~~# 76~~
14) C300	Acetonitrile	2.89	41	69	N.D.	
15) C276	Iodomethane	0.00	142	0	N.D.	
16) C291	1,1,2 Trichloro-1,	0.00	101	0	N.D.	
17) C962	T-butyl Methyl Eth	0.00	73	0	N.D.	
18) C057	trans-1,2-Dichloro	0.00	96	0	N.D.	
19) C255	Methyl Acetate	2.90	43	191	N.D.	
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.	
21) C125	Vinyl Acetate	3.43	43	881	N.D.	
22) C051	2,2-Dichloropropan	0.00	77	0	N.D.	
23) C056	cis-1,2-Dichloroet	0.00	96	0	N.D.	
24) C272	Tetrahydrofuran	3.96	42	609	N.D.	
25) C222	Bromochloromethane	0.00	128	0	N.D.	
26) C060	Chloroform	0.00	83	0	N.D.	
27) C115	1,1,1-Trichloroeth	0.00	97	0	N.D.	
28) C120	Carbon tetrachlori	0.00	117	0	N.D.	
29) C116	1,1-Dichloropropen	0.00	75	0	N.D.	
32) C165	Benzene	0.00	78	0	N.D.	
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.	
34) C110	2-Butanone	3.78	43	960	N.D.	
35) C256	Cyclohexane	0.00	56	0	N.D.	
36) C150	Trichloroethene	0.00	95	0	N.D.	
37) C140	1,2-Dichloropropan	0.00	63	0	N.D.	
38) C278	Dibromomethane	0.00	93	0	N.D.	

Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060308\J9132.D Vial: 45
Acq On : 3 Jun 2008 18:40 Operator: LH
Sample : A8591705 Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:05:34 2008 Results File: A8I0000379.RES

Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M
IS QA File : C:\MSDChem\1\DATA\060308\J9112.D (3 Jun 2008 10:24)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	0.00	83	0	N.D.		
40) C161	2-Chloroethylvinyl	0.00	63	0	N.D.		
41) C012	Methylcycolhexane	0.00	83	0	N.D.		
42) C145	cis-1,3-Dichloropr	0.00	75	0	N.D.		
45) C230	Toluene	0.00	92	0	N.D.		
46) C170	trans-1,3-Dichloro	0.00	75	0	N.D.		
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.		
48) C160	1,1,2-Trichloroeth	0.00	83	0	N.D.		
49) C210	4-Methyl-2-pentano	5.56	43	2361	N.D.		
50) C220	Tetrachloroethene	0.00	166	0	N.D.		
51) C221	1,3-Dichloropropan	0.00	76	0	N.D.		
52) C155	Dibromochlorometha	0.00	129	0	N.D.		
53) C163	1,2-Dibromoethane	0.00	107	0	N.D.		
54) C215	2-Hexanone	0.00	43	0	N.D.		
55) C235	Chlorobenzene	0.00	112	0	N.D.		
56) C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.		
57) C240	Ethylbenzene	6.63	91	519	N.D.		
58) C246	m,p-Xylene	0.00	106	0	N.D.		
59) C247	o-Xylene	0.00	106	0	N.D.		
60) C245	Styrene	0.00	104	0	N.D.		
63) C180	Bromoform	0.00	173	0	N.D.		
64) C966	Isopropylbenzene	0.00	105	0	N.D.		
65) C301	Bromobenzene	0.00	156	0	N.D.		
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.		
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.		
68) C283	t-1,4-Dichloro-2-B	0.00	53	0	N.D.		
69) C302	n-Propylbenzene	7.55	91	324	N.D.		
70) C303	2-Chlorotoluene	0.00	126	0	N.D.		
71) C289	4-Chlorotoluene	0.00	126	0	N.D.		
72) C304	1,3,5-Trimethylben	0.00	105	0	N.D.		
73) C306	tert-Butylbenzene	0.00	134	0	N.D.		
74) C307	1,2,4-Trimethylben	0.00	105	0	N.D.		
75) C308	sec-Butylbenzene	0.00	105	0	N.D.		
76) C260	1,3-Dichlorobenzen	0.00	146	0	N.D.		
77) C309	4-Isopropyltoluene	0.00	119	0	N.D.		
78) C267	1,4-Dichlorobenzen	0.00	146	0	N.D.		
79) C249	1,2-Dichlorobenzen	0.00	146	0	N.D.		
80) C310	n-Butylbenzene	0.00	91	0	N.D.		
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.		
82) C313	1,2,4-Trichloroben	0.00	180	0	N.D.		
83) C316	Hexachlorobutadien	0.00	225	0	N.D.		
84) C314	Naphthalene	0.00	128	0	N.D.		
85) C934	1,2,3-Trichloroben	0.00	180	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

METHOD 8260 - TCL VOLATILE ORGANICS
WATER SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

	Client Sample ID	Lab Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#						TOT OUT
1	HP (15)	A8591701	81		104		96							0
2	HP (20)	A8591702	81		106		96							0
3	HP (25)	A8591703	82		105		95							0
4	HP (30)	A8591704	79		105		94							0
5	MSB34	A8B1641801	85		92		93							0
6	TRIP BLANK	A8591705	79		105		86							0
7	VBLK34	A8B1641802	85		95		95							0

QC LIMITS

BFB = p-Bromofluorobenzene (73-120)
DCE = 1,2-Dichloroethane-D4 (66-137)
TOL = Toluene-D8 (71-126)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

METHOD 8260 - TCL VOLATILE ORGANICS
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B1641802

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: VBLK34

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	25.0	26.5	106	65 - 142
Trichloroethene	25.0	24.9	100	71 - 120
Benzene	25.0	25.7	103	67 - 126
Toluene	25.0	26.4	106	69 - 120
Chlorobenzene	25.0	26.0	104	73 - 120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK34

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: J9114.RR Lab Sample ID: A8B1641802

Date Analyzed: 06/03/2008 Time Analyzed: 11:21

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973J

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	HP (15)	A8591701	J9128.RR	17:04
2	HP (20)	A8591702	J9129.RR	17:28
3	HP (25)	A8591703	J9130.RR	17:52
4	HP (30)	A8591704	J9131.RR	18:16
5	MSB34	A8B1641801	J9113.RR	10:56
6	TRIP BLANK	A8591705	J9132.RR	18:40

Comments: _____

ARCADIS GERAGHTY & MILLER
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0001485

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: J8903 BFB Injection Date: 05/28/2008

Instrument ID: HP5973J BFB Injection Time: 19:25

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N): N

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	19.9		
75	30.0 - 60.0% of mass 95	49.8		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	7.4		
173	Less than 2.0% of mass 174	0.0	(0.0)	1
174	50 - 120 % of mass 95	82.7		
175	5.0 - 9.0% of mass 174	4.8	(5.8)	1
176	95.0 - 101.0% of mass 174	80.5	(97.3)	1
177	5.0 - 9.0% of mass 176	5.3	(6.6)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD100	A8I0000379-1	J8904.RR	05/28/2008	19:47
2	VSTD050	A8I0000379-1	J8905.RR	05/28/2008	20:11
3	VSTD025	A8I0000379-1	J8906.RR	05/28/2008	20:35
4	VSTD010	A8I0000379-1	J8907.RR	05/28/2008	21:00
5	VSTD001	A8I0000379-1	J8908.RR	05/28/2008	21:23

ARCADIS GERAGHTY & MILLER
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0001556

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: J9111 BFB Injection Date: 06/03/2008

Instrument ID: HP5973J BFB Injection Time: 10:03

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N): N

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	24.6		
75	30.0 - 60.0% of mass 95	50.4		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	6.7		
173	Less than 2.0% of mass 174	0.0	(0.0)	1
174	50 - 120 % of mass 95	68.0		
175	5.0 - 9.0% of mass 174	5.2	(7.7)	1
176	95.0 - 101.0% of mass 174	66.6	(97.9)	1
177	5.0 - 9.0% of mass 176	4.1	(6.2)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD025	A8C0001315-1	J9112.RR	06/03/2008	10:24
2	MSB34	A8B1641801	J9113.RR	06/03/2008	10:56
3	VBLK34	A8B1641802	J9114.RR	06/03/2008	11:21
4	HP (15)	A8591701	J9128.RR	06/03/2008	17:04
5	HP (20)	A8591702	J9129.RR	06/03/2008	17:28
6	HP (25)	A8591703	J9130.RR	06/03/2008	17:52
7	HP (30)	A8591704	J9131.RR	06/03/2008	18:16
8	TRIP BLANK	A8591705	J9132.RR	06/03/2008	18:40

METHOD 8260 - AQUEOUS (30% RSD/ 20% D)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000379-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Intrument ID: HP5973J Calibration Dates(s): 05/28/2008 05/28/2008

Heated Purge (Y/N): N Calibration Times: 19:47 21:23

GC Column: ZB-624 ID: 0.25(mm)

Lab File ID: RRF1 = J8908.RR RRF10 = J8907.RR
RRF25 = J8906.RR RRF50 = J8905.RR RRF100 = J8904.RR

COMPOUND	RRF1	RRF10	RRF25	RRF50	RRF100	AVG RRF	% RSD
Chloromethane	0.802	0.676	0.625	0.617	0.591	0.6620	12.700
Bromomethane	0.322	0.274	0.247	0.229	0.207	0.2550	17.400
Vinyl chloride	0.547	0.521	0.504	0.504	0.494	0.5140	4.000
Chloroethane	0.325	0.299	0.282	0.264	0.228	0.2800	13.000
Methylene chloride	0.541	0.379	0.365	0.367	0.347	0.4000	19.900
Acetone	0.198	0.165	0.157	0.158	0.157	0.1670	10.600
Carbon Disulfide	1.155	1.003	0.945	0.998	0.891	0.9980	9.800
1,1-Dichloroethene	0.329	0.299	0.295	0.303	0.289	0.3030	5.100
1,1-Dichloroethane	0.885	0.851	0.802	0.850	0.775	0.8330	5.300
cis-1,2-Dichloroethene	0.454	0.424	0.419	0.431	0.415	0.4290	3.600
trans-1,2-Dichloroethene	0.383	0.360	0.352	0.358	0.337	0.3580	4.600
Chloroform	0.773	0.723	0.707	0.726	0.710	0.7280	3.700
1,2-Dichloroethane	0.708	0.691	0.679	0.692	0.686	0.6910	1.500
2-Butanone	0.298	0.280	0.270	0.272	0.273	0.2790	4.100
1,1,1-Trichloroethane	0.669	0.656	0.649	0.678	0.669	0.6640	1.700
Carbon Tetrachloride	0.531	0.526	0.525	0.561	0.559	0.5400	3.300
Bromodichloromethane	0.773	0.723	0.707	0.726	0.710	0.7280	3.700
1,2-Dichloropropane	0.489	0.475	0.472	0.480	0.465	0.4760	1.900
cis-1,3-Dichloropropene	0.572	0.600	0.634	0.664	0.656	0.6250	6.200
Trichloroethene	0.426	0.401	0.393	0.408	0.401	0.4060	3.000
Dibromochloromethane	0.375	0.391	0.408	0.433	0.430	0.4070	6.200
1,1,2-Trichloroethane	0.330	0.319	0.319	0.324	0.319	0.3220	1.500
Benzene	1.655	1.604	1.583	1.605	1.561	1.6020	2.200
trans-1,3-Dichloropropene	0.556	0.649	0.673	0.702	0.694	0.6550	9.000
Bromoform	0.326	0.385	0.420	0.463	0.470	0.4130	14.400
4-Methyl-2-pentanone	0.600	0.638	0.615	0.613	0.590	0.6110	2.900
2-Hexanone	0.388	0.454	0.441	0.445	0.432	0.4320	6.000
Tetrachloroethene	0.476	0.464	0.452	0.467	0.448	0.4610	2.500
1,1,2,2-Tetrachloroethane	0.862	0.888	0.906	0.916	0.906	0.8960	2.400
Toluene	1.192	1.176	1.140	1.173	1.123	1.1610	2.400
Chlorobenzene	1.338	1.215	1.184	1.199	1.157	1.2180	5.700
Ethylbenzene	2.205	2.210	2.181	2.235	2.141	2.1940	1.600
Styrene	1.100	1.314	1.336	1.368	1.325	1.2890	8.300
Total Xylenes	0.718	0.788	0.779	0.807	0.773	0.7730	4.300
1,1,2-Trichloro-1,2,2-trifl	0.354	0.334	0.297	0.317	0.293	0.3190	8.100
1,2,4-Trichlorobenzene	1.257	1.188	1.235	1.276	1.225	1.2360	2.700
1,2-Dibromo-3-chloropropane	0.159	0.185	0.192	0.204	0.214	0.1910	11.000

METHOD 8260 - AQUEOUS (30% RSD/ 20% D)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000379-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Intrument ID: HP5973J Calibration Dates(s): 05/28/2008 05/28/2008

Heated Purge (Y/N): N Calibration Times: 19:47 21:23

GC Column: ZB-624 ID: 0.25(mm)

Lab File ID: RRF1 = J8908.RR RRF10 = J8907.RR
RRF25 = J8906.RR RRF50 = J8905.RR RRF100 = J8904.RR

COMPOUND	RRF1	RRF10	RRF25	RRF50	RRF100	AVG RRF	% RSD
1,2-Dibromoethane	0.388	0.383	0.389	0.399	0.394	0.3900	1.600
1,2-Dichlorobenzene	1.834	1.787	1.729	1.762	1.697	1.7620	3.000
1,3-Dichlorobenzene	1.901	1.791	1.755	1.782	1.718	1.7890	3.800
1,4-Dichlorobenzene	2.053	1.844	1.793	1.830	1.758	1.8550	6.200
Cyclohexane	0.229	0.230	0.211	0.237	0.229	0.2270	4.200
Dichlorodifluoromethane	0.327	0.347	0.333	0.333	0.331	0.3340	2.200
Methyl acetate	0.676	0.611	0.583	0.588	0.571	0.6060	6.900
Trichlorofluoromethane	0.630	0.621	0.588	0.582	0.574	0.5990	4.200
Methyl-t-Butyl Ether (MTBE)	1.251	1.185	1.155	1.185	1.132	1.1810	3.800
Isopropylbenzene	3.141	3.566	3.529	3.661	3.496	3.4790	5.700
Methylcyclohexane	0.672	0.704	0.647	0.723	0.688	0.6870	4.300
Toluene-D8	1.599	1.607	1.437	1.534	1.501	1.5360	4.600
p-Bromofluorobenzene	0.469	0.464	0.419	0.455	0.466	0.4550	4.500
1,2-Dichloroethane-D4	0.586	0.545	0.449	0.495	0.532	0.5210	10.000

Comments:

METHOD 8260 - AQUEOUS (30% RSD/ 20% D)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001315-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: J9112.RR Calibration Date: 06/03/2008 Time: 10:24

Intrument ID: HP5973J Init. Calib. Date(s): 05/28/2008 05/28/2008

Heated Purge (Y/N): N Init. Calib. Times: 19:47 21:23

GC Column: ZB-624 ID: 0.25(mm)

COMPOUND	AVG RRF	RRF25	MIN RRF	% D	MAX % D
Chloromethane	0.6620	0.6167	0.1000	6.800	100.00
Bromomethane	0.2550	0.2464	0.0100	3.400	100.00
Vinyl chloride	0.5140	0.4915	0.0100	4.400	20.00
Chloroethane	0.2800	0.2894	0.0100	-3.400	100.00
Methylene chloride	0.4000	0.3764	0.0100	5.900	100.00
Acetone	0.1670	0.1568	0.0100	6.100	100.00
Carbon Disulfide	0.9980	0.9580	0.0100	4.000	100.00
1,1-Dichloroethene	0.3030	0.3005	0.0100	0.800	20.00
1,1-Dichloroethane	0.8330	0.8471	0.1000	-1.700	100.00
cis-1,2-Dichloroethene	0.4290	0.4231	0.0100	1.400	100.00
trans-1,2-Dichloroethene	0.3580	0.3591	0.0100	-0.300	100.00
Chloroform	0.7280	0.7319	0.0100	-0.500	20.00
1,2-Dichloroethane	0.6910	0.6982	0.0100	-1.000	100.00
2-Butanone	0.2790	0.2692	0.0100	3.500	100.00
1,1,1-Trichloroethane	0.6640	0.6722	0.0100	-1.200	100.00
Carbon Tetrachloride	0.5400	0.5684	0.0100	-5.300	100.00
Bromodichloromethane	0.7280	0.7319	0.0100	-0.500	100.00
1,2-Dichloropropane	0.4760	0.4795	0.0100	-0.700	20.00
cis-1,3-Dichloropropene	0.6250	0.6352	0.0100	-1.600	100.00
Trichloroethene	0.4060	0.3815	0.0100	6.000	100.00
Dibromochloromethane	0.4070	0.4275	0.0100	-5.000	100.00
1,1,2-Trichloroethane	0.3220	0.3180	0.0100	1.200	100.00
Benzene	1.6020	1.5873	0.0100	0.900	100.00
trans-1,3-Dichloropropene	0.6550	0.6914	0.0100	-5.600	100.00
Bromoform	0.4130	0.4366	0.1000	-5.700	100.00
4-Methyl-2-pentanone	0.6110	0.6304	0.0100	-3.200	100.00
2-Hexanone	0.4320	0.4461	0.0100	-3.300	100.00
Tetrachloroethene	0.4610	0.4420	0.0100	4.100	100.00
1,1,2,2-Tetrachloroethane	0.8960	0.8564	0.3000	4.400	100.00
Toluene	1.1610	1.1364	0.0100	2.100	20.00
Chlorobenzene	1.2180	1.1795	0.3000	3.200	100.00
Ethylbenzene	2.1940	2.1644	0.0100	1.400	20.00
Styrene	1.2890	1.3196	0.0100	-2.400	100.00
Total Xylenes	0.7730	0.7757	0.0100	-0.400	100.00
1,1,2-Trichloro-1,2,2-trifluoro	0.3190	0.3112	0.0100	2.400	100.00
1,2,4-Trichlorobenzene	1.2360	1.0902	0.0100	11.800	100.00
1,2-Dibromo-3-chloropropane	0.1910	0.1815	0.0100	5.000	100.00
1,2-Dibromoethane	0.3900	0.3721	0.0100	4.600	100.00
1,2-Dichlorobenzene	1.7620	1.6647	0.0100	5.500	100.00

METHOD 8260 - AQUEOUS (30% RSD/ 20% D)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001315-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: J9112.RR Calibration Date: 06/03/2008 Time: 10:24

Intrument ID: HP5973J Init. Calib. Date(s): 05/28/2008 05/28/2008

Heated Purge (Y/N): N Init. Calib. Times: 19:47 21:23

GC Column: ZB-624 ID: 0.25 (mm)

COMPOUND	AVG RRF	RRF25	MIN RRF	% D	MAX % D
1,3-Dichlorobenzene	1.7890	1.7092	0.0100	4.500	100.00
1,4-Dichlorobenzene	1.8550	1.7337	0.0100	6.500	100.00
Cyclohexane	0.2270	0.2275	0.0100	-0.200	100.00
Dichlorodifluoromethane	0.3340	0.2820	0.0100	15.600	100.00
Methyl acetate	0.6060	0.8367	0.0100	-38.100	100.00
Trichlorofluoromethane	0.5990	0.5872	0.0100	2.000	100.00
Methyl-t-Butyl Ether (MTBE)	1.1810	1.1045	0.0100	6.500	100.00
Isopropylbenzene	3.4790	3.3393	0.0100	4.000	100.00
Methylcyclohexane	0.6870	0.6663	0.0100	3.000	100.00
Toluene-D8	1.5360	1.4860	0.0100	3.300	100.00
p-Bromofluorobenzene	0.4550	0.4199	0.0100	7.700	100.00
1,2-Dichloroethane-D4	0.5210	0.4792	0.0100	8.000	100.00

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0001315

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): J9112.RR Date Analyzed: 06/03/2008

Instrument ID: HP5973J Time Analyzed: 10:24

GC Column(1): ZB-624 ID: 0.250(mm) Heated Purge: (Y/N) N

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		354873		6.63		218078		8.47		398004		4.56	
	UPPER LIMIT		709746		7.13		436156		8.97		796008		5.06	
	LOWER LIMIT		177437		6.13		109039		7.97		199002		4.06	
	CLIENT SAMPLE	Lab Sample ID												
1	HP (15)	A8591701	303534		6.64		154397		8.48		341144		4.56	
2	HP (20)	A8591702	298627		6.64		151313		8.48		336239		4.56	
3	HP (25)	A8591703	298105		6.64		153503		8.48		338878		4.56	
4	HP (30)	A8591704	305380		6.63		153438		8.48		340544		4.56	
5	MSB34	A8B1641801	344148		6.63		185122		8.47		402051		4.55	
6	TRIP BLANK	A8591705	298264		6.64		151509		8.48		334147		4.56	
7	VBLK34	A8B1641802	318555		6.63		169969		8.48		365523		4.56	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

Column to be used to flag recovery values
* Values outside of contract required QC limits

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-10

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
6/3/08	1009	LH	J9111	0605BBBJ1	7	5uL	7	7
	1024		J9112	VSTD025				
	1056		J9113	MSB				
	1121		J9114	VBLK34	2			2
	1150		J9115	A860760 1	6076			1
	1214		J9116	02	1			1
	1238		J9117	A85911 01	5911			1
	1302		J9118	02				1
	1326		J9119	03				1
	1350		J9120	04				1
	1415		J9121	05				1
	1439		J9122	06				1
	1503		J9123	07				1
	1527		J9124	08				1
	1551		J9125	09				1
	1615		J9126	10				1
	1639		J9127	11	2			1
	1704		J9128	A85917 01	5917			1
	1728		J9129	02				1
	1752		J9130	03				1
	1816		J9131	04				1
	1840	2	J9132	05	2	2	2	1

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-10

STD #	IS/SS MIX #	ReAnl	pH <2	Comments
WS1AF-1	ISS10PP NP			PASS
WS6AF10 WS12AF-20 WS13AV-3				8260 (A8I...0379)
WS3AD-7				
7				
			~~7~~	
			~~7~~	
			✓	
			✓	
			✓	
			✓	
			✓	
			✓	
			✓	
			✓	
			✓	
			✓	
			✓	
			~~7~~	
			~~7~~	
			~~7~~	
			~~7~~	
2	2		~~7~~	

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METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

HP (15)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8591701

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J9128.RR

Level: (low/med) LOW Date Samp/Recv: 05/22/2008 05/24/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 06/03/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	7.0	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	14	
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	0.90	J
156-59-2	cis-1,2-Dichloroethene	40	
156-60-5	trans-1,2-Dichloroethene	1.7	J
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

HP (15)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8591701

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J9128.RR

Level: (low/med) LOW Date Samp/Recv: 05/22/2008 05/24/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 06/03/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

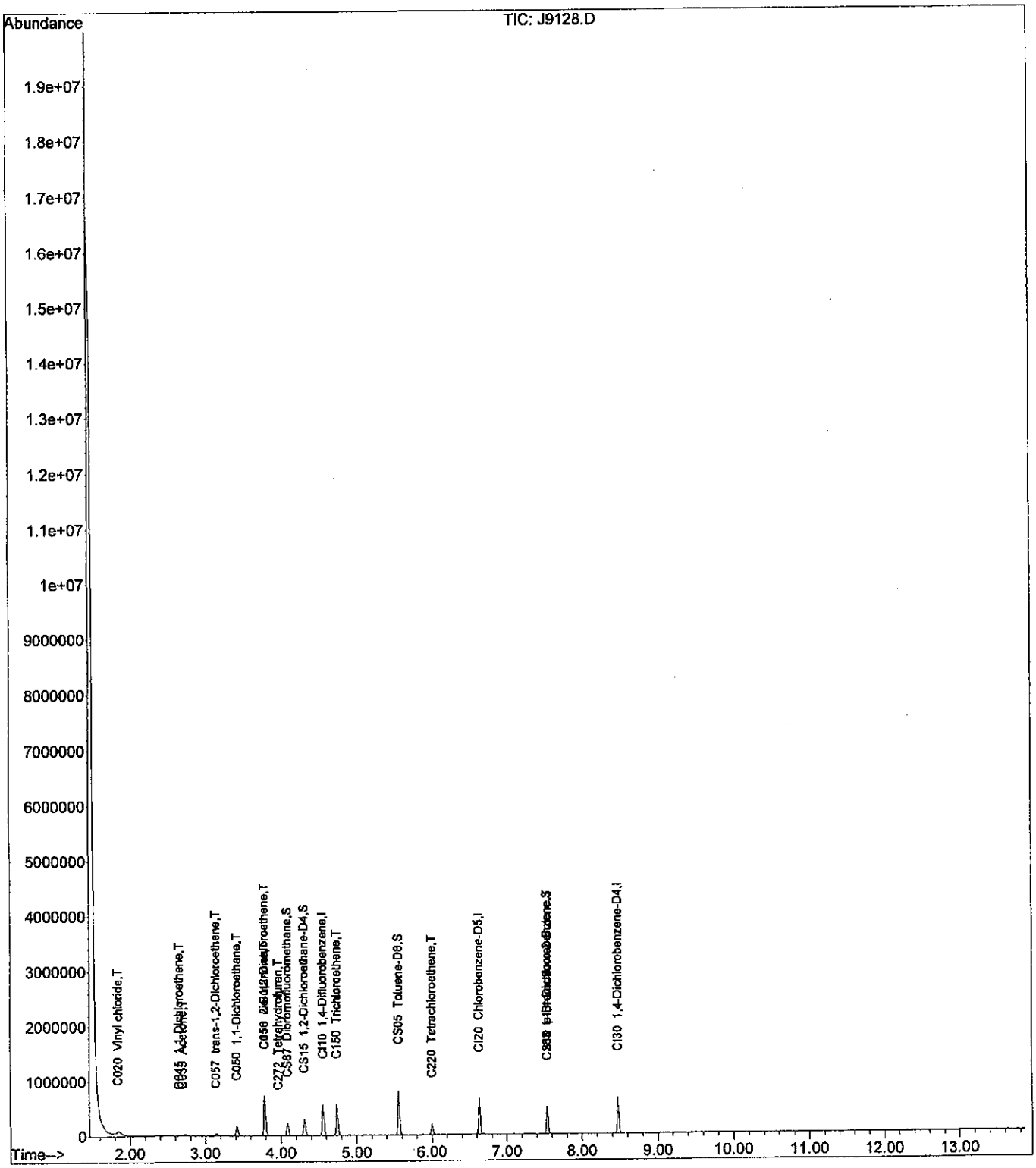
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	9.2	
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	28	
75-01-4	Vinyl chloride	20	
1330-20-7	Total Xylenes	15	U

Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDChem\1\DATA\060308\J9128.D Vial: 41
Acq On : 3 Jun 2008 17:04 Operator: LH
Sample : A8591701 A+B SEDIMENT Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Jun 03 17:35:08 2008 Results File: A8I0000379.RES
Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M



Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDChem\1\DATA\060308\J9128.D Vial: 41
Acq On : 3 Jun 2008 17:04 Operator: LH
Sample : A8591701 A+B SEDIMENT Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 17:35:08 2008 Results File: A8I0000379.RES

Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M
IS QA File : C:\MSDChem\1\DATA\060308\J9112.D (3 Jun 2008 10:24)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.56	114	341144	125.00	ng	0.00 85.71%
43) CI20	Chlorobenzene-D5	6.64	117	303534	125.00	ng	0.00 85.53%
62) CI30	1,4-Dichlorobenzene-	8.48	152	154397	125.00	ng	0.00 70.80%
System Monitoring Compounds							
30) CS87	Dibromofluoromethane	4.08	111	125090	137.38	ng	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery	=	109.90%	
31) CS15	1,2-Dichloroethane-D	4.31	65	185624	130.48	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery	=	104.38%	
44) CS05	Toluene-D8	5.56	98	448294	120.22	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery	=	96.18%	
61) CS10	p-Bromofluorobenzene	7.54	174	111609	101.11	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery	=	80.89%	
Target Compounds							Qvalue
2) C290	Dichlorodifluorome	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	1.84	62	143970	102.64	ng	98
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	2.14	64	1174	N.D.		
7) C275	Trichlorofluoromet	0.00	101	0	N.D.		
8) C045	1,1-Dichloroethene	2.66	96	3706	4.48	ng #	87
9) C030	Methylene chloride	2.99	84	1030	Below Cal	#	48
10) C040	Carbon disulfide	2.82	76	1960	N.D.		
11) C036	Acrolein	2.63	56	76	N.D.		
12) C038	Acrylonitrile	3.19	53	153	N.D.		
13) C035	Acetone	2.70	43	16075	35.28	ng #	82
14) C300	Acetonitrile	2.89	41	299	N.D.		
15) C276	Iodomethane	0.00	142	0	N.D.		
16) C291	1,1,2 Trichloro-1,	0.00	101	0	N.D.		
17) C962	T-butyl Methyl Eth	3.14	73	79	N.D.		
18) C057	trans-1,2-Dichloroet	3.14	96	8512	8.72	ng #	75
19) C255	Methyl Acetate	2.90	43	688	N.D.		
20) C050	1,1-Dichloroethane	3.42	63	165368	72.78	ng	96
21) C125	Vinyl Acetate	3.41	43	1655	N.D.		
22) C051	2,2-Dichloropropan	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	3.78	96	236031	201.69	ng #	74
24) C272	Tetrahydrofuran	3.97	42	1434	2.99	ng #	56
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
27) C115	1,1,1-Trichloroeth	4.10	97	1002	N.D.		
28) C120	Carbon tetrachlori	0.00	117	0	N.D.		
29) C116	1,1-Dichloropropen	0.00	75	0	N.D.		
32) C165	Benzene	4.34	78	3318	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	3.78	43	12707	16.72	ng	99
35) C256	Cyclohexane	0.00	56	0	N.D.		
36) C150	Trichloroethene	4.74	95	157289	142.07	ng	99
37) C140	1,2-Dichloropropan	0.00	63	0	N.D.		
38) C278	Dibromomethane	0.00	93	0	N.D.		

Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDChem\1\DATA\060308\J9128.D Vial: 41
Acq On : 3 Jun 2008 17:04 Operator: LH
Sample : A8591701 A+B SEDIMENT Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 17:35:08 2008 Results File: A8I0000379.RES

Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M
IS QA File : C:\MSDChem\1\DATA\060308\J9112.D (3 Jun 2008 10:24)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	0.00	83	0	N.D.		
40) C161	2-Chloroethylvinyl	0.00	63	0	N.D.		
41) C012	Methylcycolhexane	4.74	83	2120	N.D.		
42) C145	cis-1,3-Dichloropr	0.00	75	0	N.D.		
45) C230	Toluene	5.61	92	2102	N.D.		
46) C170	trans-1,3-Dichloro	0.00	75	0	N.D.		
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.		
48) C160	1,1,2-Trichloroeth	6.00	83	950	N.D.		
49) C210	4-Methyl-2-pentano	5.47	43	93	N.D.		
50) C220	Tetrachloroethene	6.00	166	51618	46.07	ng	99
51) C221	1,3-Dichloropropan	0.00	76	0	N.D.		
52) C155	Dibromochlorometha	0.00	129	0	N.D.		
53) C163	1,2-Dibromoethane	0.00	107	0	N.D.		
54) C215	2-Hexanone	5.93	43	164	N.D.		
55) C235	Chlorobenzene	0.00	112	0	N.D.		
56) C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.		
57) C240	Ethylbenzene	6.72	91	84	N.D.		
58) C246	m,p-Xylene	0.00	106	0	N.D.		
59) C247	o-Xylene	0.00	106	0	N.D.		
60) C245	Styrene	0.00	104	0	N.D.		
63) C180	Bromoform	0.00	173	0	N.D.		
64) C966	Isopropylbenzene	0.00	105	0	N.D.		
65) C301	Bromobenzene	0.00	156	0	N.D.		
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.		
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.		
68) C283	t-1,4-Dichloro-2-But	7.54	53	89	117.73	ng	# 1
69) C302	n-Propylbenzene	7.54	91	415	N.D.		
70) C303	2-Chlorotoluene	0.00	126	0	N.D.		
71) C289	4-Chlorotoluene	0.00	126	0	N.D.		
72) C304	1,3,5-Trimethylben	0.00	105	0	N.D.		
73) C306	tert-Butylbenzene	0.00	134	0	N.D.		
74) C307	1,2,4-Trimethylben	0.00	105	0	N.D.		
75) C308	sec-Butylbenzene	0.00	105	0	N.D.		
76) C260	1,3-Dichlorobenzen	0.00	146	0	N.D.		
77) C309	4-Isopropyltoluene	0.00	119	0	N.D.		
78) C267	1,4-Dichlorobenzen	0.00	146	0	N.D.		
79) C249	1,2-Dichlorobenzen	0.00	146	0	N.D.		
80) C310	n-Butylbenzene	0.00	91	0	N.D.		
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.		
82) C313	1,2,4-Trichloroben	0.00	180	0	N.D.		
83) C316	Hexachlorobutadien	0.00	225	0	N.D.		
84) C314	Naphthalene	0.00	128	0	N.D.		
85) C934	1,2,3-Trichloroben	0.00	180	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

HP (20)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8591702

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J9129.RR

Level: (low/med) LOW Date Samp/Recv: 05/23/2008 05/24/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 06/03/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	12	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	4.7	J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	17	
156-60-5	trans-1,2-Dichloroethene	0.54	J
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

HP (20)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8591702

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J9129.RR

Level: (low/med) LOW Date Samp/Recv: 05/23/2008 05/24/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 06/03/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

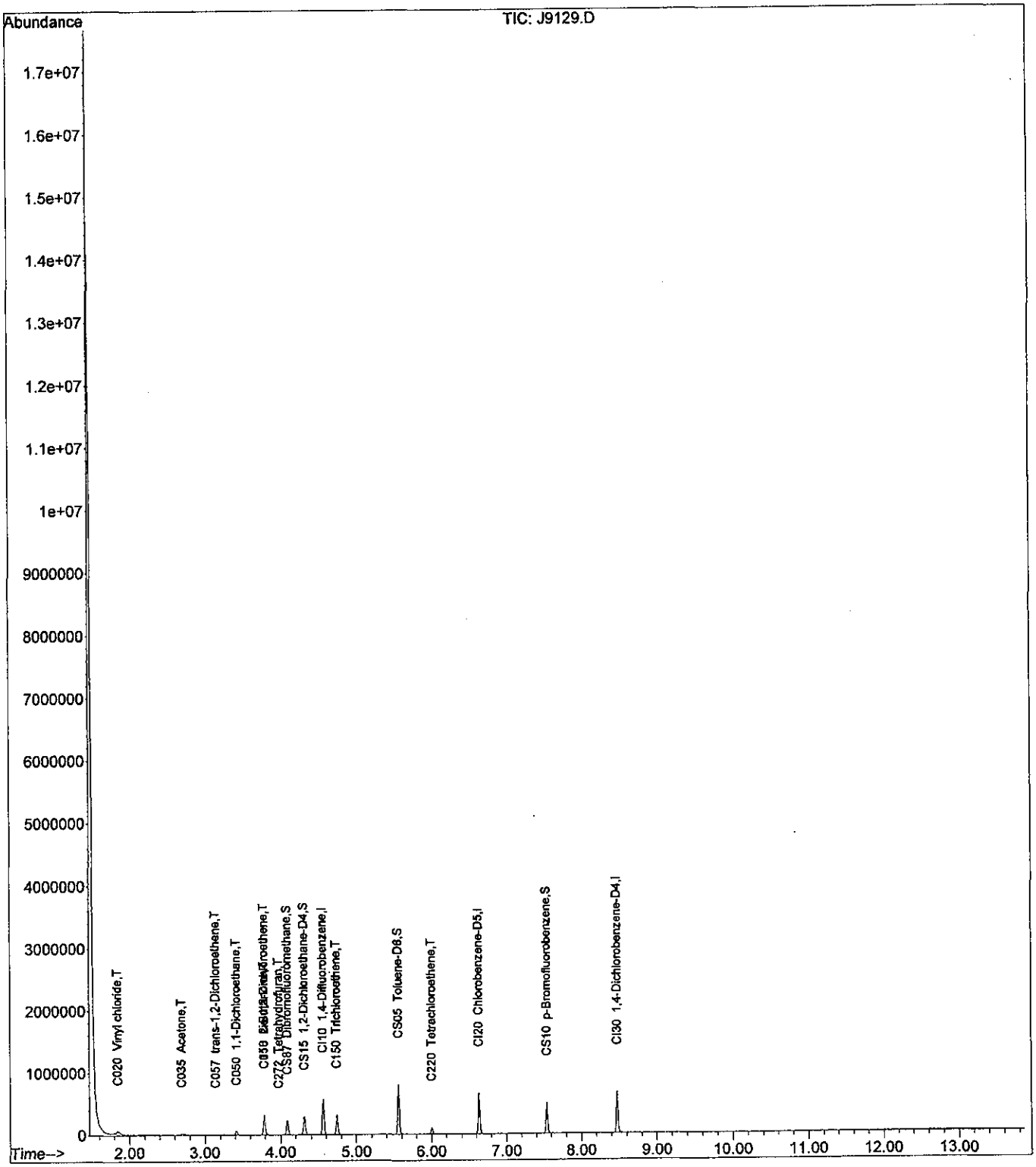
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	4.9	J
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	16	
75-01-4	Vinyl chloride	14	
1330-20-7	Total Xylenes	15	U

Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDChem\1\DATA\060308\J9129.D Vial: 42
Acq On : 3 Jun 2008 17:28 Operator: LH
Sample : A8591702 B Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Jun 03 17:46:56 2008 Results File: A8I0000379.RES
Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M



Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDChem\1\DATA\060308\J9129.D Vial: 42
Acq On : 3 Jun 2008 17:28 Operator: LH
Sample : A8591702 B Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 17:46:56 2008 Results File: A8I0000379.RES

Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M
IS QA File : C:\MSDChem\1\DATA\060308\J9112.D (3 Jun 2008 10:24)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.56	114	336239	125.00	ng	0.00 84.48%
43) CI20	Chlorobenzene-D5	6.64	117	298627	125.00	ng	0.00 84.15%
62) CI30	1,4-Dichlorobenzene-	8.48	152	151313	125.00	ng	0.00 69.38%

System Monitoring Compounds							
30) CS87	Dibromofluoromethane	4.09	111	121631	135.53	ng	0.00
Spiked Amount	125.000	Range 70 - 130		Recovery = 108.42%			
31) CS15	1,2-Dichloroethane-D	4.31	65	185521	132.31	ng	0.00
Spiked Amount	125.000	Range 66 - 137		Recovery = 105.85%			
44) CS05	Toluene-D8	5.56	98	440176	119.98	ng	0.00
Spiked Amount	125.000	Range 71 - 126		Recovery = 95.98%			
61) CS10	p-Bromofluorobenzene	7.54	174	110528	101.77	ng	0.00
Spiked Amount	125.000	Range 73 - 120		Recovery = 81.42%			

Target Compounds							Qvalue
2) C290	Dichlorodifluorome	0.00	85	0	N.D.		
3) C010	Chloromethane	1.73	50	331	N.D.		
4) C020	Vinyl chloride	1.85	62	97296	70.38 ng		100
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	2.13	64	151	N.D.		
7) C275	Trichlorofluoromet	0.00	101	0	N.D.		
8) C045	1,1-Dichloroethene	2.66	96	1121	N.D.		
9) C030	Methylene chloride	2.98	84	614	Below Cal	#	29
10) C040	Carbon disulfide	2.82	76	2401	N.D.		
11) C036	Acrolein	2.63	56	96	N.D.		
12) C038	Acrylonitrile	3.12	53	81	N.D.		
13) C035	Acetone	2.70	43	28247	62.90 ng	#	80
14) C300	Acetonitrile	2.89	41	220	N.D.		
15) C276	Iodomethane	0.00	142	0	N.D.		
16) C291	1,1,2 Trichloro-1,	0.00	101	0	N.D.		
17) C962	T-butyl Methyl Eth	0.00	73	0	N.D.		
18) C057	trans-1,2-Dichloroet	3.14	96	2625	2.73 ng	#	61
19) C255	Methyl Acetate	2.89	43	475	N.D.		
20) C050	1,1-Dichloroethane	3.42	63	52910	23.63 ng		97
21) C125	Vinyl Acetate	3.41	43	1108	N.D.		
22) C051	2,2-Dichloropropan	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	3.78	96	99354	86.14 ng	#	73
24) C272	Tetrahydrofuran	3.97	42	1444	3.06 ng	#	29
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
27) C115	1,1,1-Trichloroeth	0.00	97	0	N.D.		
28) C120	Carbon tetrachlori	0.00	117	0	N.D.		
29) C116	1,1-Dichloropropen	0.00	75	0	N.D.		
32) C165	Benzene	4.33	78	1094	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	3.78	43	16544	22.08 ng	#	63
35) C256	Cyclohexane	0.00	56	0	N.D.		
36) C150	Trichloroethene	4.74	95	87281	79.99 ng		99
37) C140	1,2-Dichloropropan	0.00	63	0	N.D.		
38) C278	Dibromomethane	0.00	93	0	N.D.		

Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDChem\1\DATA\060308\J9129.D Vial: 42
Acq On : 3 Jun 2008 17:28 Operator: LH
Sample : A8591702 B Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 17:46:56 2008 Results File: A8I0000379.RES

Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M
IS QA File : C:\MSDChem\1\DATA\060308\J9112.D (3 Jun 2008 10:24)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	0.00	83	0	N.D.		
40) C161	2-Chloroethylvinyl	0.00	63	0	N.D.		
41) C012	Methylcycolhexane	4.75	83	1223	N.D.		
42) C145	cis-1,3-Dichloropr	0.00	75	0	N.D.		
45) C230	Toluene	5.61	92	1914	N.D.		
46) C170	trans-1,3-Dichloro	0.00	75	0	N.D.		
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.		
48) C160	1,1,2-Trichloroeth	6.00	83	556	N.D.		
49) C210	4-Methyl-2-pentano	5.47	43	162	N.D.		
50) C220	Tetrachloroethene	6.00	166	27178	24.66	ng	99
51) C221	1,3-Dichloropropan	0.00	76	0	N.D.		
52) C155	Dibromochlorometha	0.00	129	0	N.D.		
53) C163	1,2-Dibromoethane	0.00	107	0	N.D.		
54) C215	2-Hexanone	0.00	43	0	N.D.		
55) C235	Chlorobenzene	0.00	112	0	N.D.		
56) C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.		
57) C240	Ethylbenzene	6.63	91	540	N.D.		
58) C246	m,p-Xylene	0.00	106	0	N.D.		
59) C247	o-Xylene	0.00	106	0	N.D.		
60) C245	Styrene	0.00	104	0	N.D.		
63) C180	Bromoform	0.00	173	0	N.D.		
64) C966	Isopropylbenzene	0.00	105	0	N.D.		
65) C301	Bromobenzene	0.00	156	0	N.D.		
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.		
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.		
68) C283	t-1,4-Dichloro-2-B	0.00	53	0	N.D.		
69) C302	n-Propylbenzene	7.54	91	330	N.D.		
70) C303	2-Chlorotoluene	0.00	126	0	N.D.		
71) C289	4-Chlorotoluene	0.00	126	0	N.D.		
72) C304	1,3,5-Trimethylben	0.00	105	0	N.D.		
73) C306	tert-Butylbenzene	0.00	134	0	N.D.		
74) C307	1,2,4-Trimethylben	0.00	105	0	N.D.		
75) C308	sec-Butylbenzene	0.00	105	0	N.D.		
76) C260	1,3-Dichlorobenzen	0.00	146	0	N.D.		
77) C309	4-Isopropyltoluene	0.00	119	0	N.D.		
78) C267	1,4-Dichlorobenzen	0.00	146	0	N.D.		
79) C249	1,2-Dichlorobenzen	0.00	146	0	N.D.		
80) C310	n-Butylbenzene	0.00	91	0	N.D.		
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.		
82) C313	1,2,4-Trichloroben	0.00	180	0	N.D.		
83) C316	Hexachlorobutadien	0.00	225	0	N.D.		
84) C314	Naphthalene	0.00	128	0	N.D.		
85) C934	1,2,3-Trichloroben	0.00	180	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

HP (25)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8591703

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J9130.RR

Level: (low/med) LOW Date Samp/Recv: 05/23/2008 05/24/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 06/03/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	10	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	1.5	J
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	1.6	J
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

HP (25)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8591703

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J9130.RR

Level: (low/med) LOW Date Samp/Recv: 05/23/2008 05/24/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 06/03/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

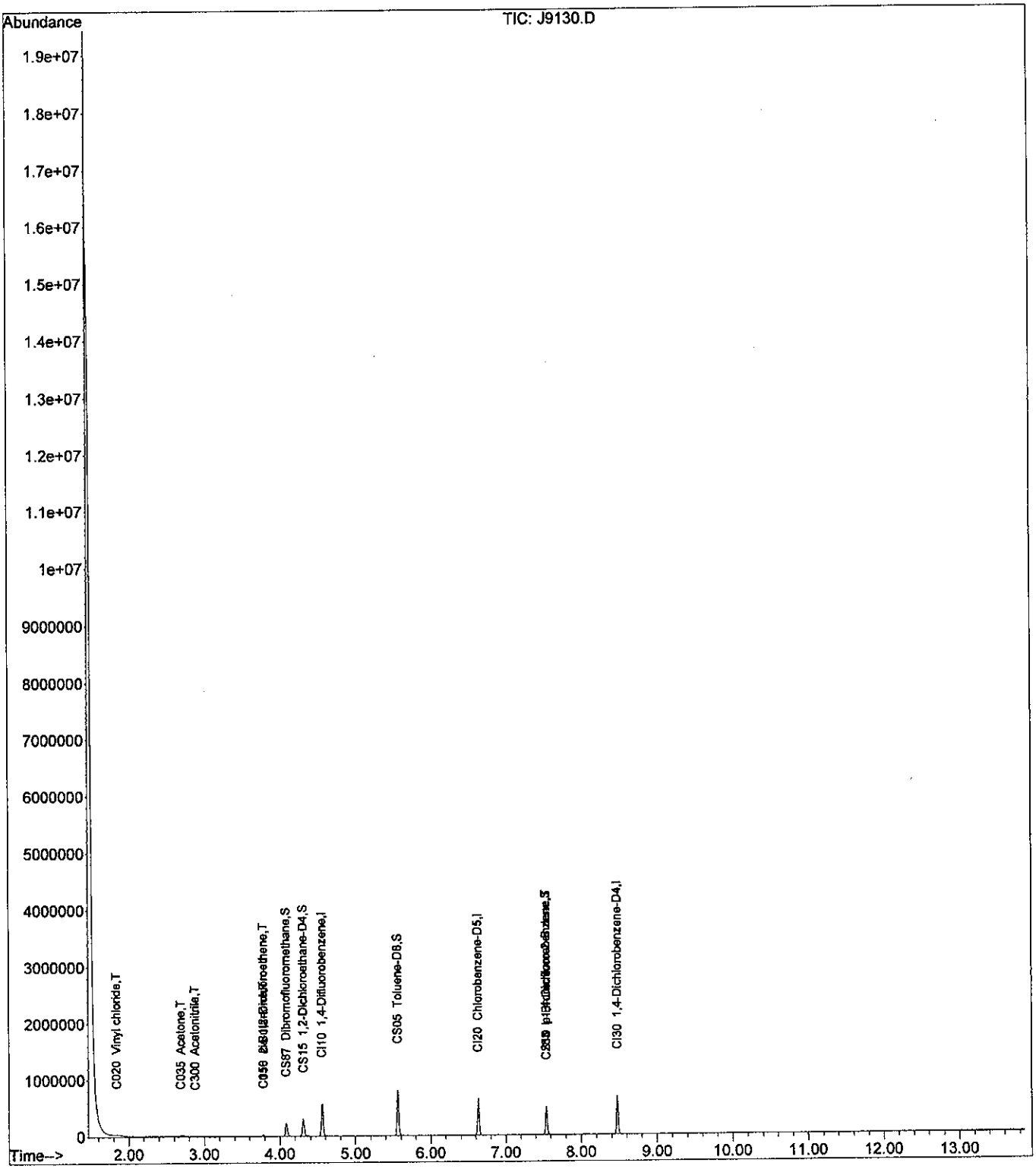
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	1.8	J
1330-20-7	Total Xylenes	15	U

Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060308\J9130.D Vial: 43
Acq On : 3 Jun 2008 17:52 Operator: LH
Sample : A8591703 A+B SEDIMENT Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Jun 03 19:05:26 2008 Results File: A8I0000379.RES
Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M



Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060308\J9130.D Vial: 43
Acq On : 3 Jun 2008 17:52 Operator: LH
Sample : A8591703 A+B SEDIMENT Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:05:26 2008 Results File: A8I0000379.RES

Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M
IS QA File : C:\MSDChem\1\DATA\060308\J9112.D (3 Jun 2008 10:24)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.56	114	338878	125.00	ng	0.00 85.14%
43) CI20	Chlorobenzene-D5	6.64	117	298105	125.00	ng	0.00 84.00%
62) CI30	1,4-Dichlorobenzene-	8.48	152	153503	125.00	ng	0.00 70.39%

System Monitoring Compounds							
30) CS87	Dibromofluoromethane	4.08	111	122984	135.97	ng	0.00
Spiked Amount	125.000	Range 70 - 130		Recovery = 108.78%			
31) CS15	1,2-Dichloroethane-D	4.31	65	185693	131.40	ng	0.00
Spiked Amount	125.000	Range 66 - 137		Recovery = 105.12%			
44) CS05	Toluene-D8	5.56	98	436360	119.15	ng	0.00
Spiked Amount	125.000	Range 71 - 126		Recovery = 95.32%			
61) CS10	p-Bromofluorobenzene	7.54	174	110625	102.04	ng	0.00
Spiked Amount	125.000	Range 73 - 120		Recovery = 81.63%			

Target Compounds							Qvalue
2) C290	Dichlorodifluorome	0.00	85	0	N.D.		
3) C010	Chloromethane	1.74	50	162	N.D.		
4) C020	Vinyl chloride	1.83	62	12517	8.98	ng	98
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluoromet	0.00	101	0	N.D.		
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
9) C030	Methylene chloride	2.97	84	678	Below Cal	#	15
10) C040	Carbon disulfide	2.82	76	1744	N.D.		
11) C036	Acrolein	2.59	56	76	N.D.		
12) C038	Acrylonitrile	0.00	53	0	N.D.		
13) C035	Acetone	2.69	43	23784	52.55	ng #	87
14) C300	Acetonitrile	2.88	41	366	2.11	ng	100
15) C276	Iodomethane	0.00	142	0	N.D.		
16) C291	1,1,2 Trichloro-1,	0.00	101	0	N.D.		
17) C962	T-butyl Methyl Eth	0.00	73	0	N.D.		
18) C057	trans-1,2-Dichloro	0.00	96	0	N.D.		
19) C255	Methyl Acetate	2.89	43	334	N.D.		
20) C050	1,1-Dichloroethane	3.41	63	4398	N.D.		
21) C125	Vinyl Acetate	3.41	43	373	N.D.		
22) C051	2,2-Dichloropropan	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	3.78	96	9121	7.85	ng #	83
24) C272	Tetrahydrofuran	3.96	42	659	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
27) C115	1,1,1-Trichloroeth	0.00	97	0	N.D.		
28) C120	Carbon tetrachlori	0.00	117	0	N.D.		
29) C116	1,1-Dichloropropen	0.00	75	0	N.D.		
32) C165	Benzene	4.33	78	321	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	3.78	43	5578	7.39	ng #	59
35) C256	Cyclohexane	0.00	56	0	N.D.		
36) C150	Trichloroethene	4.74	95	1931	N.D.		
37) C140	1,2-Dichloropropan	0.00	63	0	N.D.		
38) C278	Dibromomethane	0.00	93	0	N.D.		

Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060308\J9130.D Vial: 43
Acq On : 3 Jun 2008 17:52 Operator: LH
Sample : A8591703 A+B SEDIMENT Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:05:26 2008 Results File: A8I0000379.RES

Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M
IS QA File : C:\MSDChem\1\DATA\060308\J9112.D (3 Jun 2008 10:24)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	0.00	83	0	N.D.		
40) C161	2-Chloroethylvinyl	0.00	63	0	N.D.		
41) C012	Methylcycolhexane	0.00	83	0	N.D.		
42) C145	cis-1,3-Dichloropr	0.00	75	0	N.D.		
45) C230	Toluene	0.00	92	0	N.D.		
46) C170	trans-1,3-Dichloro	0.00	75	0	N.D.		
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.		
48) C160	1,1,2-Trichloroeth	0.00	83	0	N.D.		
49) C210	4-Methyl-2-pentano	5.56	43	2535	N.D.		
50) C220	Tetrachloroethene	6.00	166	161	N.D.		
51) C221	1,3-Dichloropropan	0.00	76	0	N.D.		
52) C155	Dibromochlorometha	0.00	129	0	N.D.		
53) C163	1,2-Dibromoethane	0.00	107	0	N.D.		
54) C215	2-Hexanone	0.00	43	0	N.D.		
55) C235	Chlorobenzene	0.00	112	0	N.D.		
56) C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.		
57) C240	Ethylbenzene	6.63	91	583	N.D.		
58) C246	m,p-Xylene	0.00	106	0	N.D.		
59) C247	o-Xylene	0.00	106	0	N.D.		
60) C245	Styrene	0.00	104	0	N.D.		
63) C180	Bromoform	0.00	173	0	N.D.		
64) C966	Isopropylbenzene	0.00	105	0	N.D.		
65) C301	Bromobenzene	0.00	156	0	N.D.		
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.		
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.		
68) C283	t-1,4-Dichloro-2-But	7.54	53	187	117.97	ng	# 1
69) C302	n-Propylbenzene	7.54	91	425	N.D.		
70) C303	2-Chlorotoluene	0.00	126	0	N.D.		
71) C289	4-Chlorotoluene	0.00	126	0	N.D.		
72) C304	1,3,5-Trimethylben	0.00	105	0	N.D.		
73) C306	tert-Butylbenzene	0.00	134	0	N.D.		
74) C307	1,2,4-Trimethylben	0.00	105	0	N.D.		
75) C308	sec-Butylbenzene	0.00	105	0	N.D.		
76) C260	1,3-Dichlorobenzen	0.00	146	0	N.D.		
77) C309	4-Isopropyltoluene	0.00	119	0	N.D.		
78) C267	1,4-Dichlorobenzen	0.00	146	0	N.D.		
79) C249	1,2-Dichlorobenzen	0.00	146	0	N.D.		
80) C310	n-Butylbenzene	0.00	91	0	N.D.		
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.		
82) C313	1,2,4-Trichloroben	0.00	180	0	N.D.		
83) C316	Hexachlorobutadien	0.00	225	0	N.D.		
84) C314	Naphthalene	0.00	128	0	N.D.		
85) C934	1,2,3-Trichloroben	0.00	180	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

HP (30)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8591704

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J9131.RR

Level: (low/med) LOW Date Samp/Recv: 05/23/2008 05/24/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 06/03/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	8.1	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

HP (30)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8591704

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J9131.RR

Level: (low/med) LOW Date Samp/Recv: 05/23/2008 05/24/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 06/03/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

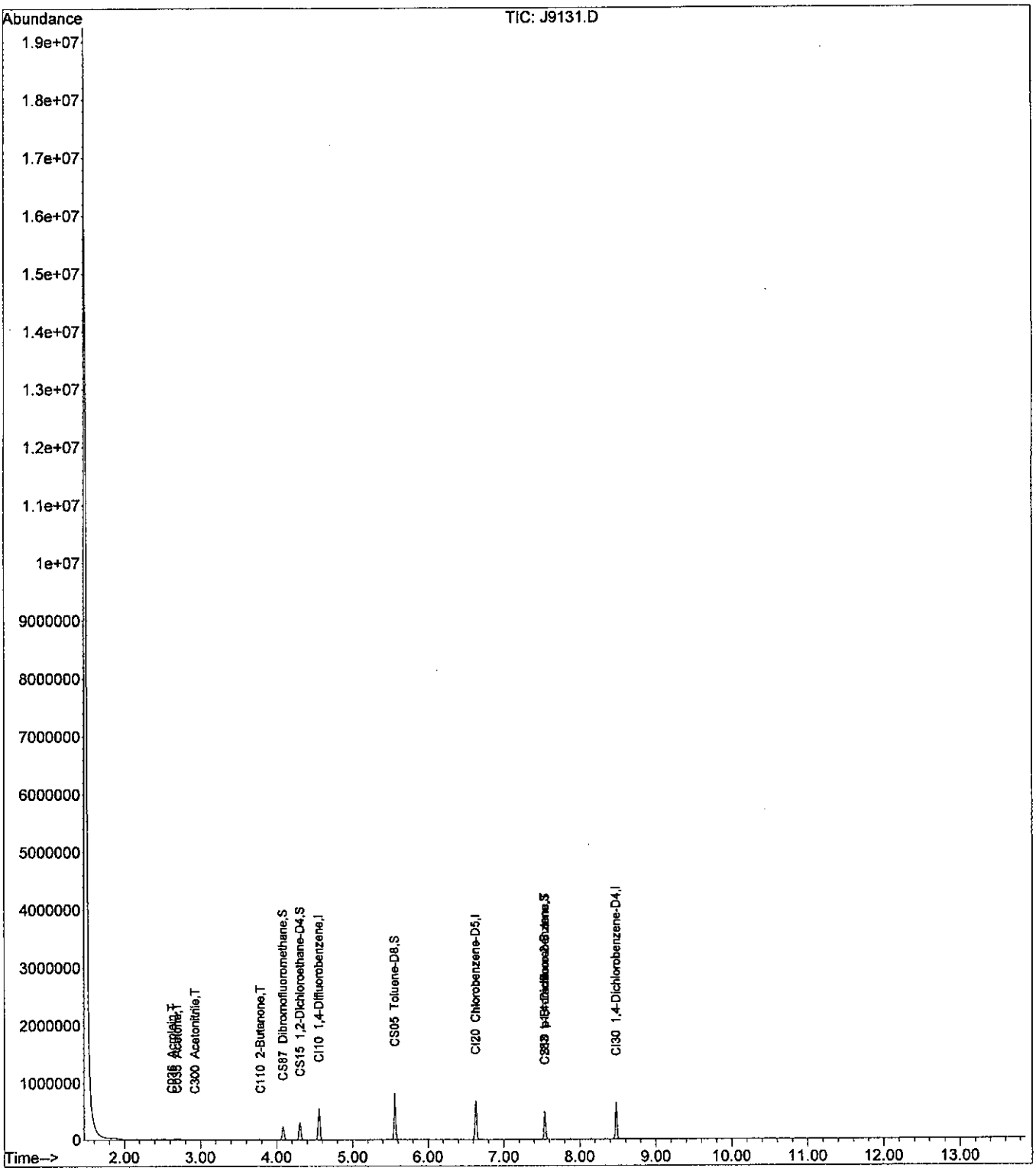
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060308\J9131.D Vial: 44
Acq On : 3 Jun 2008 18:16 Operator: LH
Sample : A8591704 A+B SEDIMENT Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Jun 03 19:05:30 2008 Results File: A8I0000379.RES
Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M



Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060308\J9131.D Vial: 44
Acq On : 3 Jun 2008 18:16 Operator: LH
Sample : A8591704 A+B SEDIMENT Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:05:30 2008 Results File: A8I0000379.RES

Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M
IS QA File : C:\MSDChem\1\DATA\060308\J9112.D (3 Jun 2008 10:24)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.56	114	340544	125.00	ng	0.00 85.56%
43) CI20	Chlorobenzene-D5	6.63	117	305380	125.00	ng	0.00 86.05%
62) CI30	1,4-Dichlorobenzene-	8.48	152	153438	125.00	ng	0.00 70.36%

System Monitoring Compounds							
30) CS87	Dibromofluoromethane	4.08	111	124190	136.63	ng	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery	=	109.30%	
31) CS15	1,2-Dichloroethane-D	4.31	65	186211	131.12	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery	=	104.90%	
44) CS05	Toluene-D8	5.56	98	440293	117.36	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery	=	93.89%	
61) CS10	p-Bromofluorobenzene	7.54	174	109430	98.53	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery	=	78.82%	

Target Compounds							Qvalue
2) C290	Dichlorodifluorome	0.00	85	0	N.D.		
3) C010	Chloromethane	1.74	50	1226	N.D.		
4) C020	Vinyl chloride	1.83	62	1834	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluoromet	0.00	101	0	N.D.		
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
9) C030	Methylene chloride	2.98	84	1832	Below Cal	#	66
10) C040	Carbon disulfide	2.83	76	1427	N.D.		
11) C036	Acrolein	2.63	56	664	12.51 ng	#	32
12) C038	Acrylonitrile	0.00	53	0	N.D.		
13) C035	Acetone	2.69	43	18351	40.35 ng	#	78
14) C300	Acetonitrile	2.94	41	359	2.06 ng		94
15) C276	Iodomethane	0.00	142	0	N.D.		
16) C291	1,1,2 Trichloro-1,	0.00	101	0	N.D.		
17) C962	T-butyl Methyl Eth	0.00	73	0	N.D.		
18) C057	trans-1,2-Dichloro	0.00	96	0	N.D.		
19) C255	Methyl Acetate	2.88	43	439	N.D.		
20) C050	1,1-Dichloroethane	3.41	63	389	N.D.		
21) C125	Vinyl Acetate	3.41	43	949	N.D.		
22) C051	2,2-Dichloropropan	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroet	3.78	96	962	N.D.		
24) C272	Tetrahydrofuran	3.96	42	107	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
27) C115	1,1,1-Trichloroeth	0.00	97	0	N.D.		
28) C120	Carbon tetrachlori	0.00	117	0	N.D.		
29) C116	1,1-Dichloropropen	0.00	75	0	N.D.		
32) C165	Benzene	0.00	78	0	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	3.78	43	9932	13.09 ng	#	42
35) C256	Cyclohexane	0.00	56	0	N.D.		
36) C150	Trichloroethene	0.00	95	0	N.D.		
37) C140	1,2-Dichloropropan	0.00	63	0	N.D.		
38) C278	Dibromomethane	0.00	93	0	N.D.		

Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060308\J9131.D Vial: 44
Acq On : 3 Jun 2008 18:16 Operator: LH
Sample : A8591704 A+B SEDIMENT Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:05:30 2008 Results File: A8I0000379.RES

Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M
IS QA File : C:\MSDChem\1\DATA\060308\J9112.D (3 Jun 2008 10:24)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	0.00	83	0	N.D.		
40) C161	2-Chloroethylvinyl	0.00	63	0	N.D.		
41) C012	Methylcycolhexane	0.00	83	0	N.D.		
42) C145	cis-1,3-Dichloropr	0.00	75	0	N.D.		
45) C230	Toluene	0.00	92	0	N.D.		
46) C170	trans-1,3-Dichloro	0.00	75	0	N.D.		
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.		
48) C160	1,1,2-Trichloroeth	0.00	83	0	N.D.		
49) C210	4-Methyl-2-pentano	5.56	43	2626	N.D.		
50) C220	Tetrachloroethene	0.00	166	0	N.D.		
51) C221	1,3-Dichloropropan	0.00	76	0	N.D.		
52) C155	Dibromochlorometha	0.00	129	0	N.D.		
53) C163	1,2-Dibromoethane	0.00	107	0	N.D.		
54) C215	2-Hexanone	0.00	43	0	N.D.		
55) C235	Chlorobenzene	0.00	112	0	N.D.		
56) C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.		
57) C240	Ethylbenzene	6.64	91	599	N.D.		
58) C246	m,p-Xylene	0.00	106	0	N.D.		
59) C247	o-Xylene	0.00	106	0	N.D.		
60) C245	Styrene	0.00	104	0	N.D.		
63) C180	Bromoform	0.00	173	0	N.D.		
64) C966	Isopropylbenzene	0.00	105	0	N.D.		
65) C301	Bromobenzene	0.00	156	0	N.D.		
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.		
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.		
68) C283	t-1,4-Dichloro-2-But	7.53	53	247	118.11	ng	# 1
69) C302	n-Propylbenzene	7.55	91	398	N.D.		
70) C303	2-Chlorotoluene	0.00	126	0	N.D.		
71) C289	4-Chlorotoluene	0.00	126	0	N.D.		
72) C304	1,3,5-Trimethylben	0.00	105	0	N.D.		
73) C306	tert-Butylbenzene	0.00	134	0	N.D.		
74) C307	1,2,4-Trimethylben	0.00	105	0	N.D.		
75) C308	sec-Butylbenzene	0.00	105	0	N.D.		
76) C260	1,3-Dichlorobenzen	0.00	146	0	N.D.		
77) C309	4-Isopropyltoluene	0.00	119	0	N.D.		
78) C267	1,4-Dichlorobenzen	0.00	146	0	N.D.		
79) C249	1,2-Dichlorobenzen	0.00	146	0	N.D.		
80) C310	n-Butylbenzene	0.00	91	0	N.D.		
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.		
82) C313	1,2,4-Trichloroben	0.00	180	0	N.D.		
83) C316	Hexachlorobutadien	0.00	225	0	N.D.		
84) C314	Naphthalene	0.00	128	0	N.D.		
85) C934	1,2,3-Trichloroben	0.00	180	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8591705

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J9132.RR

Level: (low/med) LOW Date Samp/Recv: 05/23/2008 05/24/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 06/03/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8591705

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: J9132.RR

Level: (low/med) LOW Date Samp/Recv: 05/23/2008 05/24/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 06/03/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

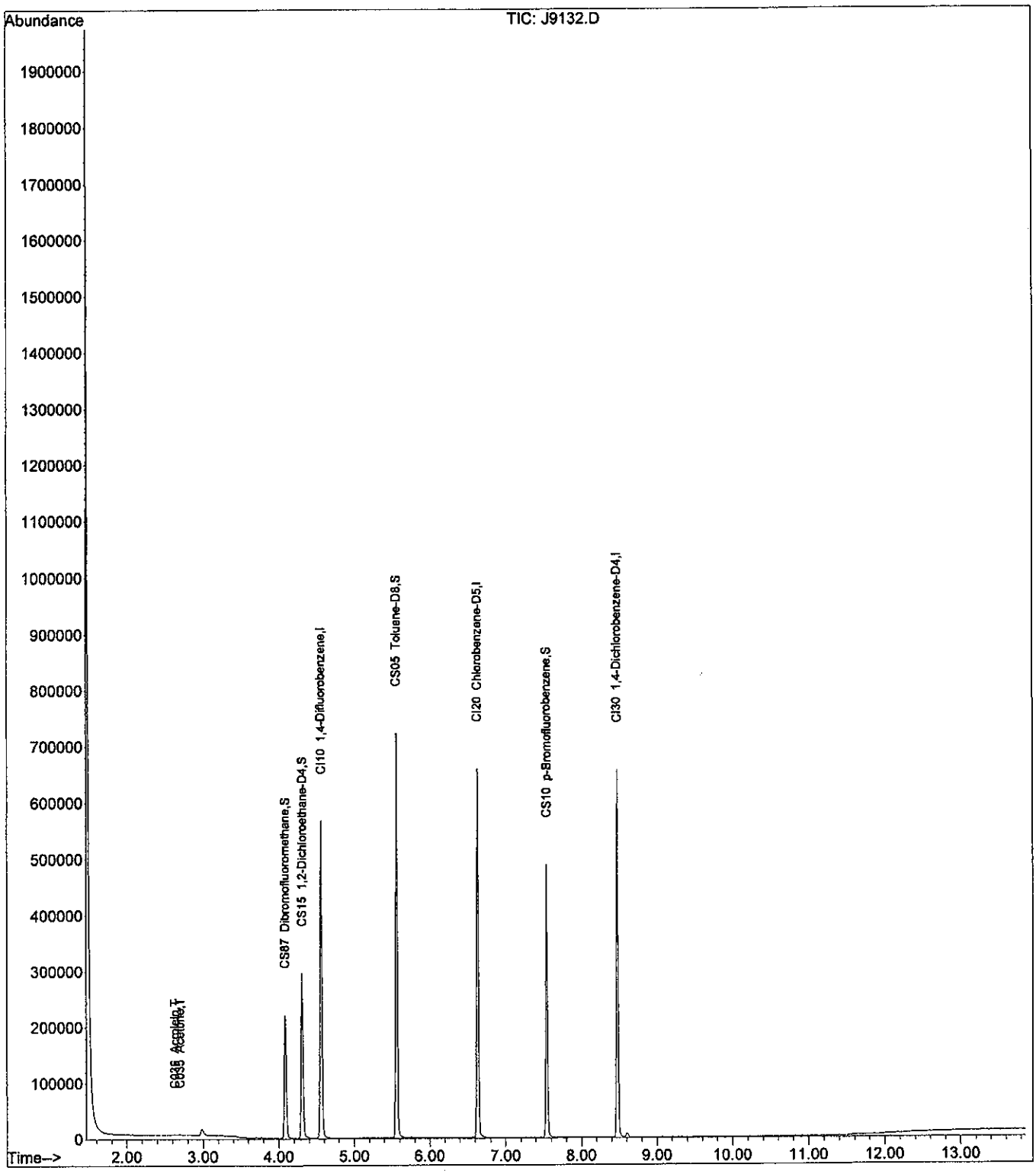
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060308\J9132.D Vial: 45
Acq On : 3 Jun 2008 18:40 Operator: LH
Sample : A8591705 Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Jun 03 19:05:34 2008 Results File: A8I0000379.RES
Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M



Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060308\J9132.D Vial: 45
Acq On : 3 Jun 2008 18:40 Operator: LH
Sample : A8591705 Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:05:34 2008 Results File: A8I0000379.RES

Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M
IS QA File : C:\MSDChem\1\DATA\060308\J9112.D (3 Jun 2008 10:24)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.56	114	334147	125.00	ng	0.00 83.96%
43) CI20	Chlorobenzene-D5	6.64	117	298264	125.00	ng	0.00 84.05%
62) CI30	1,4-Dichlorobenzene-	8.48	152	151509	125.00	ng	0.00 69.47%
System Monitoring Compounds							
30) CS87	Dibromofluoromethane	4.08	111	121725	136.48	ng	0.00
Spiked Amount	125.000	Range	70 - 130		Recovery =		109.18%
31) CS15	1,2-Dichloroethane-D	4.31	65	182954	131.29	ng	0.00
Spiked Amount	125.000	Range	66 - 137		Recovery =		105.03%
44) CS05	Toluene-D8	5.56	98	393892	107.50	ng	0.00
Spiked Amount	125.000	Range	71 - 126		Recovery =		86.00%
61) CS10	p-Bromofluorobenzene	7.54	174	106639	98.31	ng	0.00
Spiked Amount	125.000	Range	73 - 120		Recovery =		78.65%

Target Compounds						Qvalue
2) C290	Dichlorodifluorome	0.00	85	0	N.D.	
3) C010	Chloromethane	1.73	50	496	N.D.	
4) C020	Vinyl chloride	0.00	62	0	N.D.	
5) C015	Bromomethane	0.00	94	0	N.D.	
6) C025	Chloroethane	0.00	64	0	N.D.	
7) C275	Trichlorofluoromet	0.00	101	0	N.D.	
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.	
9) C030	Methylene chloride	2.99	84	5043	Below Cal	# 56
10) C040	Carbon disulfide	2.82	76	613	N.D.	
11) C036	~~Acrolein~~	~~2.63~~	~~56~~	~~155~~	~~2.98 ng~~	~~# 1~~
12) C038	Acrylonitrile	0.00	53	0	N.D.	
13) C035	~~Acetone~~	~~2.70~~	~~43~~	~~2280~~	~~5.11 ng~~	~~# 76~~
14) C300	Acetonitrile	2.89	41	69	N.D.	
15) C276	Iodomethane	0.00	142	0	N.D.	
16) C291	1,1,2 Trichloro-1,	0.00	101	0	N.D.	
17) C962	T-butyl Methyl Eth	0.00	73	0	N.D.	
18) C057	trans-1,2-Dichloro	0.00	96	0	N.D.	
19) C255	Methyl Acetate	2.90	43	191	N.D.	
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.	
21) C125	Vinyl Acetate	3.43	43	881	N.D.	
22) C051	2,2-Dichloropropan	0.00	77	0	N.D.	
23) C056	cis-1,2-Dichloroet	0.00	96	0	N.D.	
24) C272	Tetrahydrofuran	3.96	42	609	N.D.	
25) C222	Bromochloromethane	0.00	128	0	N.D.	
26) C060	Chloroform	0.00	83	0	N.D.	
27) C115	1,1,1-Trichloroeth	0.00	97	0	N.D.	
28) C120	Carbon tetrachlori	0.00	117	0	N.D.	
29) C116	1,1-Dichloropropen	0.00	75	0	N.D.	
32) C165	Benzene	0.00	78	0	N.D.	
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.	
34) C110	2-Butanone	3.78	43	960	N.D.	
35) C256	Cyclohexane	0.00	56	0	N.D.	
36) C150	Trichloroethene	0.00	95	0	N.D.	
37) C140	1,2-Dichloropropan	0.00	63	0	N.D.	
38) C278	Dibromomethane	0.00	93	0	N.D.	

Quantitation Report TA Buffalo (Not Reviewed)

Data File : C:\MSDCHEM\1\DATA\060308\J9132.D Vial: 45
Acq On : 3 Jun 2008 18:40 Operator: LH
Sample : A8591705 Inst : HP5973J
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:05:34 2008 Results File: A8I0000379.RES

Quant Method : C:\MSDCHEM\1\METHODS\A8I0000379.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Tue Jun 03 17:15:49 2008
Response via : Initial Calibration
DataAcq Meth : VOA.M
IS QA File : C:\MSDChem\1\DATA\060308\J9112.D (3 Jun 2008 10:24)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	0.00	83	0	N.D.		
40) C161	2-Chloroethylvinyl	0.00	63	0	N.D.		
41) C012	Methylcycolhexane	0.00	83	0	N.D.		
42) C145	cis-1,3-Dichloropr	0.00	75	0	N.D.		
45) C230	Toluene	0.00	92	0	N.D.		
46) C170	trans-1,3-Dichloro	0.00	75	0	N.D.		
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.		
48) C160	1,1,2-Trichloroeth	0.00	83	0	N.D.		
49) C210	4-Methyl-2-pentano	5.56	43	2361	N.D.		
50) C220	Tetrachloroethene	0.00	166	0	N.D.		
51) C221	1,3-Dichloropropan	0.00	76	0	N.D.		
52) C155	Dibromochlorometha	0.00	129	0	N.D.		
53) C163	1,2-Dibromoethane	0.00	107	0	N.D.		
54) C215	2-Hexanone	0.00	43	0	N.D.		
55) C235	Chlorobenzene	0.00	112	0	N.D.		
56) C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.		
57) C240	Ethylbenzene	6.63	91	519	N.D.		
58) C246	m,p-Xylene	0.00	106	0	N.D.		
59) C247	o-Xylene	0.00	106	0	N.D.		
60) C245	Styrene	0.00	104	0	N.D.		
63) C180	Bromoform	0.00	173	0	N.D.		
64) C966	Isopropylbenzene	0.00	105	0	N.D.		
65) C301	Bromobenzene	0.00	156	0	N.D.		
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.		
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.		
68) C283	t-1,4-Dichloro-2-B	0.00	53	0	N.D.		
69) C302	n-Propylbenzene	7.55	91	324	N.D.		
70) C303	2-Chlorotoluene	0.00	126	0	N.D.		
71) C289	4-Chlorotoluene	0.00	126	0	N.D.		
72) C304	1,3,5-Trimethylben	0.00	105	0	N.D.		
73) C306	tert-Butylbenzene	0.00	134	0	N.D.		
74) C307	1,2,4-Trimethylben	0.00	105	0	N.D.		
75) C308	sec-Butylbenzene	0.00	105	0	N.D.		
76) C260	1,3-Dichlorobenzen	0.00	146	0	N.D.		
77) C309	4-Isopropyltoluene	0.00	119	0	N.D.		
78) C267	1,4-Dichlorobenzen	0.00	146	0	N.D.		
79) C249	1,2-Dichlorobenzen	0.00	146	0	N.D.		
80) C310	n-Butylbenzene	0.00	91	0	N.D.		
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.		
82) C313	1,2,4-Trichloroben	0.00	180	0	N.D.		
83) C316	Hexachlorobutadien	0.00	225	0	N.D.		
84) C314	Naphthalene	0.00	128	0	N.D.		
85) C934	1,2,3-Trichloroben	0.00	180	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

METHOD 8260 - TCL VOLATILE ORGANICS
WATER SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

	Client Sample ID	Lab Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#						TOT OUT
1	HP (15)	A8591701	81		104		96							0
2	HP (20)	A8591702	81		106		96							0
3	HP (25)	A8591703	82		105		95							0
4	HP (30)	A8591704	79		105		94							0
5	MSB34	A8B1641801	85		92		93							0
6	TRIP BLANK	A8591705	79		105		86							0
7	VBLK34	A8B1641802	85		95		95							0

			QC LIMITS
BFB	=	p-Bromofluorobenzene	(73-120)
DCE	=	1,2-Dichloroethane-D4	(66-137)
TOL	=	Toluene-D8	(71-126)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

METHOD 8260 - TCL VOLATILE ORGANICS
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B1641802

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: VBLK34

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	25.0	26.5	106	65 - 142
Trichloroethene	25.0	24.9	100	71 - 120
Benzene	25.0	25.7	103	67 - 126
Toluene	25.0	26.4	106	69 - 120
Chlorobenzene	25.0	26.0	104	73 - 120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK34

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: J9114.RR Lab Sample ID: A8B1641802

Date Analyzed: 06/03/2008 Time Analyzed: 11:21

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973J

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	HP (15)	A8591701	J9128.RR	17:04
2	HP (20)	A8591702	J9129.RR	17:28
3	HP (25)	A8591703	J9130.RR	17:52
4	HP (30)	A8591704	J9131.RR	18:16
5	MSB34	A8B1641801	J9113.RR	10:56
6	TRIP BLANK	A8591705	J9132.RR	18:40

Comments: _____

ARCADIS GERAGHTY & MILLER
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0001485

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: J8903 BFB Injection Date: 05/28/2008

Instrument ID: HP5973J BFB Injection Time: 19:25

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N): N

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	19.9		
75	30.0 - 60.0% of mass 95	49.8		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	7.4		
173	Less than 2.0% of mass 174	0.0	(0.0)	1
174	50 - 120 % of mass 95	82.7		
175	5.0 - 9.0% of mass 174	4.8	(5.8)	1
176	95.0 - 101.0% of mass 174	80.5	(97.3)	1
177	5.0 - 9.0% of mass 176	5.3	(6.6)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD100	A8I0000379-1	J8904.RR	05/28/2008	19:47
2	VSTD050	A8I0000379-1	J8905.RR	05/28/2008	20:11
3	VSTD025	A8I0000379-1	J8906.RR	05/28/2008	20:35
4	VSTD010	A8I0000379-1	J8907.RR	05/28/2008	21:00
5	VSTD001	A8I0000379-1	J8908.RR	05/28/2008	21:23

ARCADIS GERAGHTY & MILLER
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0001556

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: J9111 BFB Injection Date: 06/03/2008

Instrument ID: HP5973J BFB Injection Time: 10:03

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N): N

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	24.6		
75	30.0 - 60.0% of mass 95	50.4		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	6.7		
173	Less than 2.0% of mass 174	0.0	(0.0)	1
174	50 - 120 % of mass 95	68.0		
175	5.0 - 9.0% of mass 174	5.2	(7.7)	1
176	95.0 - 101.0% of mass 174	66.6	(97.9)	1
177	5.0 - 9.0% of mass 176	4.1	(6.2)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD025	A8C0001315-1	J9112.RR	06/03/2008	10:24
2	MSB34	A8B1641801	J9113.RR	06/03/2008	10:56
3	VBLK34	A8B1641802	J9114.RR	06/03/2008	11:21
4	HP (15)	A8591701	J9128.RR	06/03/2008	17:04
5	HP (20)	A8591702	J9129.RR	06/03/2008	17:28
6	HP (25)	A8591703	J9130.RR	06/03/2008	17:52
7	HP (30)	A8591704	J9131.RR	06/03/2008	18:16
8	TRIP BLANK	A8591705	J9132.RR	06/03/2008	18:40

METHOD 8260 - AQUEOUS (30% RSD/ 20% D)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000379-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Intrument ID: HP5973J Calibration Dates(s): 05/28/2008 05/28/2008

Heated Purge (Y/N): N Calibration Times: 19:47 21:23

GC Column: ZB-624 ID: 0.25(mm)

Lab File ID: RRF1 = J8908.RR RRF10 = J8907.RR
RRF25 = J8906.RR RRF50 = J8905.RR RRF100 = J8904.RR

COMPOUND	RRF1	RRF10	RRF25	RRF50	RRF100	AVG RRF	% RSD
Chloromethane	0.802	0.676	0.625	0.617	0.591	0.6620	12.700
Bromomethane	0.322	0.274	0.247	0.229	0.207	0.2550	17.400
Vinyl chloride	0.547	0.521	0.504	0.504	0.494	0.5140	4.000
Chloroethane	0.325	0.299	0.282	0.264	0.228	0.2800	13.000
Methylene chloride	0.541	0.379	0.365	0.367	0.347	0.4000	19.900
Acetone	0.198	0.165	0.157	0.158	0.157	0.1670	10.600
Carbon Disulfide	1.155	1.003	0.945	0.998	0.891	0.9980	9.800
1,1-Dichloroethene	0.329	0.299	0.295	0.303	0.289	0.3030	5.100
1,1-Dichloroethane	0.885	0.851	0.802	0.850	0.775	0.8330	5.300
cis-1,2-Dichloroethene	0.454	0.424	0.419	0.431	0.415	0.4290	3.600
trans-1,2-Dichloroethene	0.383	0.360	0.352	0.358	0.337	0.3580	4.600
Chloroform	0.773	0.723	0.707	0.726	0.710	0.7280	3.700
1,2-Dichloroethane	0.708	0.691	0.679	0.692	0.686	0.6910	1.500
2-Butanone	0.298	0.280	0.270	0.272	0.273	0.2790	4.100
1,1,1-Trichloroethane	0.669	0.656	0.649	0.678	0.669	0.6640	1.700
Carbon Tetrachloride	0.531	0.526	0.525	0.561	0.559	0.5400	3.300
Bromodichloromethane	0.773	0.723	0.707	0.726	0.710	0.7280	3.700
1,2-Dichloropropane	0.489	0.475	0.472	0.480	0.465	0.4760	1.900
cis-1,3-Dichloropropene	0.572	0.600	0.634	0.664	0.656	0.6250	6.200
Trichloroethene	0.426	0.401	0.393	0.408	0.401	0.4060	3.000
Dibromochloromethane	0.375	0.391	0.408	0.433	0.430	0.4070	6.200
1,1,2-Trichloroethane	0.330	0.319	0.319	0.324	0.319	0.3220	1.500
Benzene	1.655	1.604	1.583	1.605	1.561	1.6020	2.200
trans-1,3-Dichloropropene	0.556	0.649	0.673	0.702	0.694	0.6550	9.000
Bromoform	0.326	0.385	0.420	0.463	0.470	0.4130	14.400
4-Methyl-2-pentanone	0.600	0.638	0.615	0.613	0.590	0.6110	2.900
2-Hexanone	0.388	0.454	0.441	0.445	0.432	0.4320	6.000
Tetrachloroethene	0.476	0.464	0.452	0.467	0.448	0.4610	2.500
1,1,2,2-Tetrachloroethane	0.862	0.888	0.906	0.916	0.906	0.8960	2.400
Toluene	1.192	1.176	1.140	1.173	1.123	1.1610	2.400
Chlorobenzene	1.338	1.215	1.184	1.199	1.157	1.2180	5.700
Ethylbenzene	2.205	2.210	2.181	2.235	2.141	2.1940	1.600
Styrene	1.100	1.314	1.336	1.368	1.325	1.2890	8.300
Total Xylenes	0.718	0.788	0.779	0.807	0.773	0.7730	4.300
1,1,2-Trichloro-1,2,2-trifl	0.354	0.334	0.297	0.317	0.293	0.3190	8.100
1,2,4-Trichlorobenzene	1.257	1.188	1.235	1.276	1.225	1.2360	2.700
1,2-Dibromo-3-chloropropane	0.159	0.185	0.192	0.204	0.214	0.1910	11.000

METHOD 8260 - AQUEOUS (30% RSD/ 20% D)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000379-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Intrument ID: HP5973J Calibration Dates(s): 05/28/2008 05/28/2008

Heated Purge (Y/N): N Calibration Times: 19:47 21:23

GC Column: ZB-624 ID: 0.25(mm)

Lab File ID: RRF1 = J8908.RR RRF10 = J8907.RR
RRF25 = J8906.RR RRF50 = J8905.RR RRF100 = J8904.RR

COMPOUND	RRF1	RRF10	RRF25	RRF50	RRF100	AVG RRF	% RSD
1,2-Dibromoethane	0.388	0.383	0.389	0.399	0.394	0.3900	1.600
1,2-Dichlorobenzene	1.834	1.787	1.729	1.762	1.697	1.7620	3.000
1,3-Dichlorobenzene	1.901	1.791	1.755	1.782	1.718	1.7890	3.800
1,4-Dichlorobenzene	2.053	1.844	1.793	1.830	1.758	1.8550	6.200
Cyclohexane	0.229	0.230	0.211	0.237	0.229	0.2270	4.200
Dichlorodifluoromethane	0.327	0.347	0.333	0.333	0.331	0.3340	2.200
Methyl acetate	0.676	0.611	0.583	0.588	0.571	0.6060	6.900
Trichlorofluoromethane	0.630	0.621	0.588	0.582	0.574	0.5990	4.200
Methyl-t-Butyl Ether (MTBE)	1.251	1.185	1.155	1.185	1.132	1.1810	3.800
Isopropylbenzene	3.141	3.566	3.529	3.661	3.496	3.4790	5.700
Methylcyclohexane	0.672	0.704	0.647	0.723	0.688	0.6870	4.300
Toluene-D8	1.599	1.607	1.437	1.534	1.501	1.5360	4.600
p-Bromofluorobenzene	0.469	0.464	0.419	0.455	0.466	0.4550	4.500
1,2-Dichloroethane-D4	0.586	0.545	0.449	0.495	0.532	0.5210	10.000

Comments:

METHOD 8260 - AQUEOUS (30% RSD/ 20% D)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001315-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: J9112.RR Calibration Date: 06/03/2008 Time: 10:24

Intrument ID: HP5973J Init. Calib. Date(s): 05/28/2008 05/28/2008

Heated Purge (Y/N): N Init. Calib. Times: 19:47 21:23

GC Column: ZB-624 ID: 0.25(mm)

COMPOUND	AVG RRF	RRF25	MIN RRF	% D	MAX % D
Chloromethane	0.6620	0.6167	0.1000	6.800	100.00
Bromomethane	0.2550	0.2464	0.0100	3.400	100.00
Vinyl chloride	0.5140	0.4915	0.0100	4.400	20.00
Chloroethane	0.2800	0.2894	0.0100	-3.400	100.00
Methylene chloride	0.4000	0.3764	0.0100	5.900	100.00
Acetone	0.1670	0.1568	0.0100	6.100	100.00
Carbon Disulfide	0.9980	0.9580	0.0100	4.000	100.00
1,1-Dichloroethene	0.3030	0.3005	0.0100	0.800	20.00
1,1-Dichloroethane	0.8330	0.8471	0.1000	-1.700	100.00
cis-1,2-Dichloroethene	0.4290	0.4231	0.0100	1.400	100.00
trans-1,2-Dichloroethene	0.3580	0.3591	0.0100	-0.300	100.00
Chloroform	0.7280	0.7319	0.0100	-0.500	20.00
1,2-Dichloroethane	0.6910	0.6982	0.0100	-1.000	100.00
2-Butanone	0.2790	0.2692	0.0100	3.500	100.00
1,1,1-Trichloroethane	0.6640	0.6722	0.0100	-1.200	100.00
Carbon Tetrachloride	0.5400	0.5684	0.0100	-5.300	100.00
Bromodichloromethane	0.7280	0.7319	0.0100	-0.500	100.00
1,2-Dichloropropane	0.4760	0.4795	0.0100	-0.700	20.00
cis-1,3-Dichloropropene	0.6250	0.6352	0.0100	-1.600	100.00
Trichloroethene	0.4060	0.3815	0.0100	6.000	100.00
Dibromochloromethane	0.4070	0.4275	0.0100	-5.000	100.00
1,1,2-Trichloroethane	0.3220	0.3180	0.0100	1.200	100.00
Benzene	1.6020	1.5873	0.0100	0.900	100.00
trans-1,3-Dichloropropene	0.6550	0.6914	0.0100	-5.600	100.00
Bromoform	0.4130	0.4366	0.1000	-5.700	100.00
4-Methyl-2-pentanone	0.6110	0.6304	0.0100	-3.200	100.00
2-Hexanone	0.4320	0.4461	0.0100	-3.300	100.00
Tetrachloroethene	0.4610	0.4420	0.0100	4.100	100.00
1,1,2,2-Tetrachloroethane	0.8960	0.8564	0.3000	4.400	100.00
Toluene	1.1610	1.1364	0.0100	2.100	20.00
Chlorobenzene	1.2180	1.1795	0.3000	3.200	100.00
Ethylbenzene	2.1940	2.1644	0.0100	1.400	20.00
Styrene	1.2890	1.3196	0.0100	-2.400	100.00
Total Xylenes	0.7730	0.7757	0.0100	-0.400	100.00
1,1,2-Trichloro-1,2,2-trifluoro	0.3190	0.3112	0.0100	2.400	100.00
1,2,4-Trichlorobenzene	1.2360	1.0902	0.0100	11.800	100.00
1,2-Dibromo-3-chloropropane	0.1910	0.1815	0.0100	5.000	100.00
1,2-Dibromoethane	0.3900	0.3721	0.0100	4.600	100.00
1,2-Dichlorobenzene	1.7620	1.6647	0.0100	5.500	100.00

METHOD 8260 - AQUEOUS (30% RSD/ 20% D)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001315-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: J9112.RR Calibration Date: 06/03/2008 Time: 10:24

Intrument ID: HP5973J Init. Calib. Date(s): 05/28/2008 05/28/2008

Heated Purge (Y/N): N Init. Calib. Times: 19:47 21:23

GC Column: ZB-624 ID: 0.25(mm)

COMPOUND	AVG RRF	RRF25	MIN RRF	% D	MAX % D
1,3-Dichlorobenzene	1.7890	1.7092	0.0100	4.500	100.00
1,4-Dichlorobenzene	1.8550	1.7337	0.0100	6.500	100.00
Cyclohexane	0.2270	0.2275	0.0100	-0.200	100.00
Dichlorodifluoromethane	0.3340	0.2820	0.0100	15.600	100.00
Methyl acetate	0.6060	0.8367	0.0100	-38.100	100.00
Trichlorofluoromethane	0.5990	0.5872	0.0100	2.000	100.00
Methyl-t-Butyl Ether (MTBE)	1.1810	1.1045	0.0100	6.500	100.00
Isopropylbenzene	3.4790	3.3393	0.0100	4.000	100.00
Methylcyclohexane	0.6870	0.6663	0.0100	3.000	100.00
Toluene-D8	1.5360	1.4860	0.0100	3.300	100.00
p-Bromofluorobenzene	0.4550	0.4199	0.0100	7.700	100.00
1,2-Dichloroethane-D4	0.5210	0.4792	0.0100	8.000	100.00

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0001315

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): J9112.RR Date Analyzed: 06/03/2008

Instrument ID: HP5973J Time Analyzed: 10:24

GC Column(1): ZB-624 ID: 0.250(mm) Heated Purge: (Y/N) N

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		354873		6.63		218078		8.47		398004		4.56	
	UPPER LIMIT		709746		7.13		436156		8.97		796008		5.06	
	LOWER LIMIT		177437		6.13		109039		7.97		199002		4.06	
	CLIENT SAMPLE	Lab Sample ID												
1	HP (15)	A8591701	303534		6.64		154397		8.48		341144		4.56	
2	HP (20)	A8591702	298627		6.64		151313		8.48		336239		4.56	
3	HP (25)	A8591703	298105		6.64		153503		8.48		338878		4.56	
4	HP (30)	A8591704	305380		6.63		153438		8.48		340544		4.56	
5	MSB34	A8B1641801	344148		6.63		185122		8.47		402051		4.55	
6	TRIP BLANK	A8591705	298264		6.64		151509		8.48		334147		4.56	
7	VBLK34	A8B1641802	318555		6.63		169969		8.48		365523		4.56	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-10

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
6/3/08	1008	LH	J9111	0605BFBBJ1	7	5mL	7	7
	1024	"	J9112	VSTD025				
	1058	"	J9113	MSB				
	1121	"	J9114	VBLK34	2			2
	1150	"	J9115	A860760 1	60076			1
	1214	"	J9116	02	1			1
	1238	"	J9117	A85911 01	5911			1
	1302	"	J9118	02				1
	1326	"	J9119	03				1
	1350	"	J9120	04				1
	1415	"	J9121	05				1
	1439	"	J9122	06				1
	1503	"	J9123	07				1
	1527	"	J9124	08				1
	1551	"	J9125	09				1
	1615	"	J9126	10				1
	1639	"	J9127	11	2			1
	1704	"	J9128	A85917 01	5917			1
	1728	"	J9129	02				1
	1752	"	J9130	03				1
	1816	"	J9131	04				1
	1840	2	J9132	05	1	1	1	1

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-10

STD #	IS/SS MIX #	ReRun?	pH <2	Comments
WS1AF-1	IS5108P/NP	—	—	PASS
WS6AF-10 WS12AF-20 WS13AV-3		—	—	8260 (A8I...0379)
WS3AD-7		—	—	
			—	
			✓	
			✓	
			✓	
			✓	
			✓	
			✓	
			✓	
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			✓	

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

ANALYTICAL REPORT

Job#: A08-6157

Project#: NY9A8463
Site Name: ARCADIS
Task: LMC - Utica, NY

Jeff Bonsteel
465 New Karner Road
Albany, NY 12205

TestAmerica Laboratories Inc.

Candace L. Fox
Project Manager

04/24/2009

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Buffalo
Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA,CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	Registration, NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A8615702	MW-14 (10'-12')	SOIL	05/27/2008	11:00	05/31/2008	09:15
A8615703	MW-14 (16'-18')	SOIL	05/27/2008	13:00	05/31/2008	09:15
A8615704	MW-14 (50'-52')	SOIL	05/29/2008	10:00	05/31/2008	09:15
A8615701	MW-14 (6'-8')	SOIL	05/27/2008	10:40	05/31/2008	09:15

METHODS SUMMARY

Job#: A08-6157

Project#: NY9A8463
Site Name: ARCADIS

PARAMETER	ANALYTICAL METHOD
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-6157

Project#: NY9A8463
Site Name: ARCADIS

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-6157
Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

The internal standards 1,4-Dichlorobenzene-D4 and Chlorobenzene-D5 and the surrogates Toluene-D8 and p-Bromofluorobenzene in sample MW-14 (50'-52') exceeded quality control limits. The sample was reanalyzed with similar results, thus indicating a potential matrix interference. Both sets of data are included.

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DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
1	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: MW-14 (10'-12')
Lab Sample ID: A8615702
Date Collected: 05/27/2008
Time Collected: 11:00

Date Received: 05/31/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,1,2,2-Tetrachloroethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,1,2-Trichloroethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,1-Dichloroethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,1-Dichloroethene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,2,4-Trichlorobenzene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,2-Dibromo-3-chloropropane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,2-Dibromoethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,2-Dichlorobenzene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,2-Dichloroethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,2-Dichloropropane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,3-Dichlorobenzene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,4-Dichlorobenzene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
2-Butanone	ND		28	UG/KG	8260	06/02/2008 20:37	JLG
2-Hexanone	ND		28	UG/KG	8260	06/02/2008 20:37	JLG
4-Methyl-2-pentanone	ND		28	UG/KG	8260	06/02/2008 20:37	JLG
Acetone	8	J	28	UG/KG	8260	06/02/2008 20:37	JLG
Benzene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Bromodichloromethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Bromoform	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Bromomethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Carbon Disulfide	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Carbon Tetrachloride	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Chlorobenzene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Chloroethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Chloroform	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Chloromethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
cis-1,2-Dichloroethene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
cis-1,3-Dichloropropene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Cyclohexane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Dibromochloromethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Dichlorodifluoromethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Ethylbenzene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Isopropylbenzene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Methyl acetate	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Methyl-t-Butyl Ether (MTBE)	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Methylcyclohexane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Methylene chloride	5	J	6	UG/KG	8260	06/02/2008 20:37	JLG
Styrene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Tetrachloroethene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Toluene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Total Xylenes	ND		16	UG/KG	8260	06/02/2008 20:37	JLG
trans-1,2-Dichloroethene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
trans-1,3-Dichloropropene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Trichloroethene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Trichlorofluoromethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Vinyl chloride	ND		11	UG/KG	8260	06/02/2008 20:37	JLG

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: MW-14 (16'-18')
Lab Sample ID: A8615703
Date Collected: 05/27/2008
Time Collected: 13:00

Date Received: 05/31/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,1,2,2-Tetrachloroethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,1,2-Trichloroethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,1-Dichloroethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,1-Dichloroethene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,2,4-Trichlorobenzene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,2-Dibromo-3-chloropropane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,2-Dibromoethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,2-Dichlorobenzene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,2-Dichloroethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,2-Dichloropropane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,3-Dichlorobenzene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,4-Dichlorobenzene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
2-Butanone	ND		26	UG/KG	8260	06/02/2008 21:03	JLG
2-Hexanone	ND		26	UG/KG	8260	06/02/2008 21:03	JLG
4-Methyl-2-pentanone	ND		26	UG/KG	8260	06/02/2008 21:03	JLG
Acetone	ND		26	UG/KG	8260	06/02/2008 21:03	JLG
Benzene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Bromodichloromethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Bromoform	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Bromomethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Carbon Disulfide	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Carbon Tetrachloride	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Chlorobenzene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Chloroethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Chloroform	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Chloromethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
cis-1,2-Dichloroethene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
cis-1,3-Dichloropropene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Cyclohexane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Dibromochloromethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Dichlorodifluoromethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Ethylbenzene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Isopropylbenzene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Methyl acetate	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Methyl-t-Butyl Ether (MTBE)	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Methylcyclohexane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Methylene chloride	5		5	UG/KG	8260	06/02/2008 21:03	JLG
Styrene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Tetrachloroethene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Toluene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Total Xylenes	ND		16	UG/KG	8260	06/02/2008 21:03	JLG
trans-1,2-Dichloroethene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
trans-1,3-Dichloropropene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Trichloroethene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Trichlorofluoromethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Vinyl chloride	ND		10	UG/KG	8260	06/02/2008 21:03	JLG

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: MW-14 (50'-52')
Lab Sample ID: A8615704
Date Collected: 05/29/2008
Time Collected: 10:00

Date Received: 05/31/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
1,1,2,2-Tetrachloroethane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
1,1,2-Trichloroethane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
1,1-Dichloroethane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
1,1-Dichloroethene	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
1,2,4-Trichlorobenzene	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
1,2-Dibromo-3-chloropropane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
1,2-Dibromoethane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
1,2-Dichlorobenzene	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
1,2-Dichloroethane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
1,2-Dichloropropane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
1,3-Dichlorobenzene	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
1,4-Dichlorobenzene	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
2-Butanone	ND		26	UG/KG	8260	06/02/2008 21:28	JLG
2-Hexanone	ND		26	UG/KG	8260	06/02/2008 21:28	JLG
4-Methyl-2-pentanone	ND		26	UG/KG	8260	06/02/2008 21:28	JLG
Acetone	ND		26	UG/KG	8260	06/02/2008 21:28	JLG
Benzene	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Bromodichloromethane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Bromoform	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Bromomethane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Carbon Disulfide	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Carbon Tetrachloride	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Chlorobenzene	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Chloroethane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Chloroform	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Chloromethane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
cis-1,2-Dichloroethene	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
cis-1,3-Dichloropropene	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Cyclohexane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Dibromochloromethane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Dichlorodifluoromethane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Ethylbenzene	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Isopropylbenzene	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Methyl acetate	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Methyl-t-Butyl Ether (MTBE)	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Methylcyclohexane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Methylene chloride	6		5	UG/KG	8260	06/02/2008 21:28	JLG
Styrene	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Tetrachloroethene	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Toluene	5		5	UG/KG	8260	06/02/2008 21:28	JLG
Total Xylenes	ND		16	UG/KG	8260	06/02/2008 21:28	JLG
trans-1,2-Dichloroethene	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
trans-1,3-Dichloropropene	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Trichloroethene	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Trichlorofluoromethane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Vinyl chloride	ND		10	UG/KG	8260	06/02/2008 21:28	JLG

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: MW-14 (50'-52')
Lab Sample ID: A8615704RE
Date Collected: 05/29/2008
Time Collected: 10:00

Date Received: 05/31/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,1,2,2-Tetrachloroethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,1,2-Trichloroethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,1-Dichloroethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,1-Dichloroethene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,2,4-Trichlorobenzene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,2-Dibromo-3-chloropropane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,2-Dibromoethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,2-Dichlorobenzene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,2-Dichloroethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,2-Dichloropropane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,3-Dichlorobenzene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,4-Dichlorobenzene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
2-Butanone	ND		26	UG/KG	8260	06/04/2008 16:14	TRB
2-Hexanone	ND		26	UG/KG	8260	06/04/2008 16:14	TRB
4-Methyl-2-pentanone	ND		26	UG/KG	8260	06/04/2008 16:14	TRB
Acetone	12	J	26	UG/KG	8260	06/04/2008 16:14	TRB
Benzene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Bromodichloromethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Bromoform	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Bromomethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Carbon Disulfide	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Carbon Tetrachloride	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Chlorobenzene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Chloroethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Chloroform	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Chloromethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
cis-1,2-Dichloroethene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
cis-1,3-Dichloropropene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Cyclohexane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Dibromochloromethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Dichlorodifluoromethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Ethylbenzene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Isopropylbenzene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Methyl acetate	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Methyl-t-Butyl Ether (MTBE)	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Methylcyclohexane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Methylene chloride	15		5	UG/KG	8260	06/04/2008 16:14	TRB
Styrene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Tetrachloroethene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Toluene	15		5	UG/KG	8260	06/04/2008 16:14	TRB
Total Xylenes	ND		16	UG/KG	8260	06/04/2008 16:14	TRB
trans-1,2-Dichloroethene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
trans-1,3-Dichloropropene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Trichloroethene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Trichlorofluoromethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Vinyl chloride	ND		11	UG/KG	8260	06/04/2008 16:14	TRB

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: MW-14 (6'-8')
Lab Sample ID: A8615701
Date Collected: 05/27/2008
Time Collected: 10:40

Date Received: 05/31/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,1,2,2-Tetrachloroethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,1,2-Trichloroethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,1-Dichloroethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,1-Dichloroethene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,2,4-Trichlorobenzene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,2-Dibromo-3-chloropropane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,2-Dibromoethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,2-Dichlorobenzene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,2-Dichloroethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,2-Dichloropropane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,3-Dichlorobenzene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,4-Dichlorobenzene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
2-Butanone	ND		30	UG/KG	8260	06/02/2008 20:12	JLG
2-Hexanone	ND		30	UG/KG	8260	06/02/2008 20:12	JLG
4-Methyl-2-pentanone	ND		30	UG/KG	8260	06/02/2008 20:12	JLG
Acetone	ND		30	UG/KG	8260	06/02/2008 20:12	JLG
Benzene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Bromodichloromethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Bromoform	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Bromomethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Carbon Disulfide	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Carbon Tetrachloride	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Chlorobenzene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Chloroethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Chloroform	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Chloromethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
cis-1,2-Dichloroethene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
cis-1,3-Dichloropropene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Cyclohexane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Dibromochloromethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Dichlorodifluoromethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Ethylbenzene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Isopropylbenzene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Methyl acetate	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Methyl-t-Butyl Ether (MTBE)	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Methylcyclohexane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Methylene chloride	5	J	6	UG/KG	8260	06/02/2008 20:12	JLG
Styrene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Tetrachloroethene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Toluene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Total Xylenes	ND		18	UG/KG	8260	06/02/2008 20:12	JLG
trans-1,2-Dichloroethene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
trans-1,3-Dichloropropene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Trichloroethene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Trichlorofluoromethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Vinyl chloride	ND		12	UG/KG	8260	06/02/2008 20:12	JLG

Chronology and QC Summary Package

Client ID		VBLK04		VBLK05					
Job No	Lab ID	A08-6157	A8B1643502	A08-6157	A8B1654602				
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/KG	ND	25	ND	25	NA		NA	
Benzene	UG/KG	ND	5	ND	5	NA		NA	
Bromodichloromethane	UG/KG	ND	5	ND	5	NA		NA	
Bromoform	UG/KG	ND	5	ND	5	NA		NA	
Bromomethane	UG/KG	ND	5	ND	5	NA		NA	
2-Butanone	UG/KG	ND	25	ND	25	NA		NA	
Carbon Disulfide	UG/KG	ND	5	ND	5	NA		NA	
Carbon Tetrachloride	UG/KG	ND	5	ND	5	NA		NA	
Chlorobenzene	UG/KG	ND	5	ND	5	NA		NA	
Chloroethane	UG/KG	ND	5	ND	5	NA		NA	
Chloroform	UG/KG	ND	5	ND	5	NA		NA	
Chloromethane	UG/KG	ND	5	ND	5	NA		NA	
Cyclohexane	UG/KG	ND	5	ND	5	NA		NA	
1,2-Dibromoethane	UG/KG	ND	5	ND	5	NA		NA	
Dibromochloromethane	UG/KG	ND	5	ND	5	NA		NA	
1,2-Dibromo-3-chloropropane	UG/KG	ND	5	ND	5	NA		NA	
1,2-Dichlorobenzene	UG/KG	ND	5	ND	5	NA		NA	
1,3-Dichlorobenzene	UG/KG	ND	5	ND	5	NA		NA	
1,4-Dichlorobenzene	UG/KG	ND	5	ND	5	NA		NA	
Dichlorodifluoromethane	UG/KG	ND	5	ND	5	NA		NA	
1,1-Dichloroethane	UG/KG	ND	5	ND	5	NA		NA	
1,2-Dichloroethane	UG/KG	ND	5	ND	5	NA		NA	
1,1-Dichloroethene	UG/KG	ND	5	ND	5	NA		NA	
cis-1,2-Dichloroethene	UG/KG	ND	5	ND	5	NA		NA	
trans-1,2-Dichloroethene	UG/KG	ND	5	ND	5	NA		NA	
1,2-Dichloropropane	UG/KG	ND	5	ND	5	NA		NA	
cis-1,3-Dichloropropene	UG/KG	ND	5	ND	5	NA		NA	
trans-1,3-Dichloropropene	UG/KG	ND	5	ND	5	NA		NA	
Ethylbenzene	UG/KG	ND	5	ND	5	NA		NA	
2-Hexanone	UG/KG	ND	25	ND	25	NA		NA	
Isopropylbenzene	UG/KG	ND	5	ND	5	NA		NA	
Methyl acetate	UG/KG	ND	5	ND	5	NA		NA	
Methylcyclohexane	UG/KG	ND	5	ND	5	NA		NA	
Methylene chloride	UG/KG	ND	5	ND	5	NA		NA	
4-Methyl-2-pentanone	UG/KG	ND	25	ND	25	NA		NA	
Methyl-t-Butyl Ether (MTBE)	UG/KG	ND	5	ND	5	NA		NA	
Styrene	UG/KG	ND	5	ND	5	NA		NA	
1,1,2,2-Tetrachloroethane	UG/KG	ND	5	ND	5	NA		NA	
Tetrachloroethene	UG/KG	ND	5	ND	5	NA		NA	
Toluene	UG/KG	ND	5	ND	5	NA		NA	
1,2,4-Trichlorobenzene	UG/KG	ND	5	ND	5	NA		NA	
1,1,1-Trichloroethane	UG/KG	ND	5	ND	5	NA		NA	
1,1,2-Trichloroethane	UG/KG	ND	5	ND	5	NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		VBLK04		VBLK05					
Job No	Lab ID	A08-6157	A8B1643502	A08-6157	A8B1654602				
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/KG	ND	5	ND	5	NA		NA	
Trichlorofluoromethane	UG/KG	ND	5	ND	5	NA		NA	
Trichloroethene	UG/KG	ND	5	ND	5	NA		NA	
Vinyl chloride	UG/KG	ND	10	ND	10	NA		NA	
Total Xylenes	UG/KG	ND	15	ND	15	NA		NA	
=IS/SURROGATE(S)									
Chlorobenzene-D5	%	91	50-200	95	50-200	NA		NA	
1,4-Difluorobenzene	%	91	50-200	96	50-200	NA		NA	
1,4-Dichlorobenzene-D4	%	94	50-200	93	50-200	NA		NA	
Toluene-D8	%	111	71-125	107	71-125	NA		NA	
p-Bromofluorobenzene	%	100	72-126	99	72-126	NA		NA	
1,2-Dichloroethane-D4	%	99	61-136	99	61-136	NA		NA	

NA = Not Applicable ND = Not Detected

Client Sample ID: VBLK04 MSB04
Lab Sample ID: A8B1643502 A8B1643501

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/KG	55.0	50.0	110	65-146
Trichloroethene	UG/KG	47.9	50.0	96	74-127
Benzene	UG/KG	47.4	50.0	95	74-128
Toluene	UG/KG	46.6	50.0	93	74-123
Chlorobenzene	UG/KG	46.9	50.0	94	76-124

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: VBLK05 MSB05
Lab Sample ID: A8B1654602 A8B1654601

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/KG	54.9	50.0	110	65-146
Trichloroethene	UG/KG	52.7	50.0	105	74-127
Benzene	UG/KG	53.2	50.0	106	74-128
Toluene	UG/KG	52.6	50.0	105	74-123
Chlorobenzene	UG/KG	52.5	50.0	105	76-124

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	MW-14 (10'-12') A08-6157 A8615702	MW-14 (16'-18') A08-6157 A8615703	MW-14 (50'-52') A08-6157 A8615704	MW-14 (50'-52') A08-6157 A8615704RE	MW-14 (6'-8') A08-6157 A8615701
Sample Date	05/27/2008 11:00	05/27/2008 13:00	05/29/2008 10:00	05/29/2008 10:00	05/27/2008 10:40
Received Date	05/31/2008 09:15	05/31/2008 09:15	05/31/2008 09:15	05/31/2008 09:15	05/31/2008 09:15
Extraction Date					
Analysis Date	06/02/2008 20:37	06/02/2008 21:03	06/02/2008 21:28	06/04/2008 16:14	06/02/2008 20:12
Extraction HT Met?	-	-	-	-	-
Analytical HT Met?	YES	YES	YES	YES	YES
Sample Matrix	SOIL LOW	SOIL LOW	SOIL LOW	SOIL LOW	SOIL LOW
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample wt/vol	5.0 GRAMS	5.18 GRAMS	5.09 GRAMS	5.04 GRAMS	5.2 GRAMS
% Dry	90.50	91.66	93.51	93.51	79.44

17/19

NA = Not Applicable

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	VBLK04 A08-6157 A8B1643502	VBLK05 A08-6157 A8B1654602			
Sample Date					
Received Date					
Extraction Date					
Analysis Date	06/02/2008 19:42	06/04/2008 14:29			
Extraction HT Met?	-	-			
Analytical HT Met?	-	-			
Sample Matrix	SOIL LOW	SOIL LOW			
Dilution Factor	1.0	1.0			
Sample wt/vol	5.0 GRAMS	5.0 GRAMS			
% Dry	100.00	100.00			

NA = Not Applicable

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
ARCADIS	Jeff Bonsteel	05/30/08	083448
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of**
465 New Karner Rd.	518 452 7826 / 518 452 3498		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12205			
Project Name and Location (State)	**Carrier/Waybill Number**		
Lockheed Martin - Utica (NY)			
Contract/Purchase Order/Quote No.			
NJ000361.0001			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: TCL VOAs	M.S.8260	Special Instructions/ Conditions of Receipt
MW-14 (6'-8')	05/27/08	1040				X	1						1		
MW-14 (10-12')	05/27/08	1100				X	1						1		
MW-14 (16-18')	05/27/08	1300				X	1						1		
MW-14 (50-52')	05/29/08	1000				X	1						1		

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	05/30/08	1530	1. Received By	5/31/08	0915
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

2820-01

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (6'-8')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615701

Sample wt/vol: 5.20 (g/mL) G Lab File ID: F2330.RR

Level: (low/med) LOW Date Samp/Recv: 05/27/2008 05/31/2008

% Moisture: not dec. 21 Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	30	U
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	6	U
78-93-3	2-Butanone	30	U
75-15-0	Carbon Disulfide	6	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
106-93-4	1,2-Dibromoethane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	30	U
98-82-8	Isopropylbenzene	6	U
79-20-9	Methyl acetate	6	U
108-87-2	Methylcyclohexane	6	U
75-09-2	Methylene chloride	5	J

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (6'-8')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615701

Sample wt/vol: 5.20 (g/mL) G Lab File ID: F2330.RR

Level: (low/med) LOW Date Samp/Recv: 05/27/2008 05/31/2008

% Moisture: not dec. 21 Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

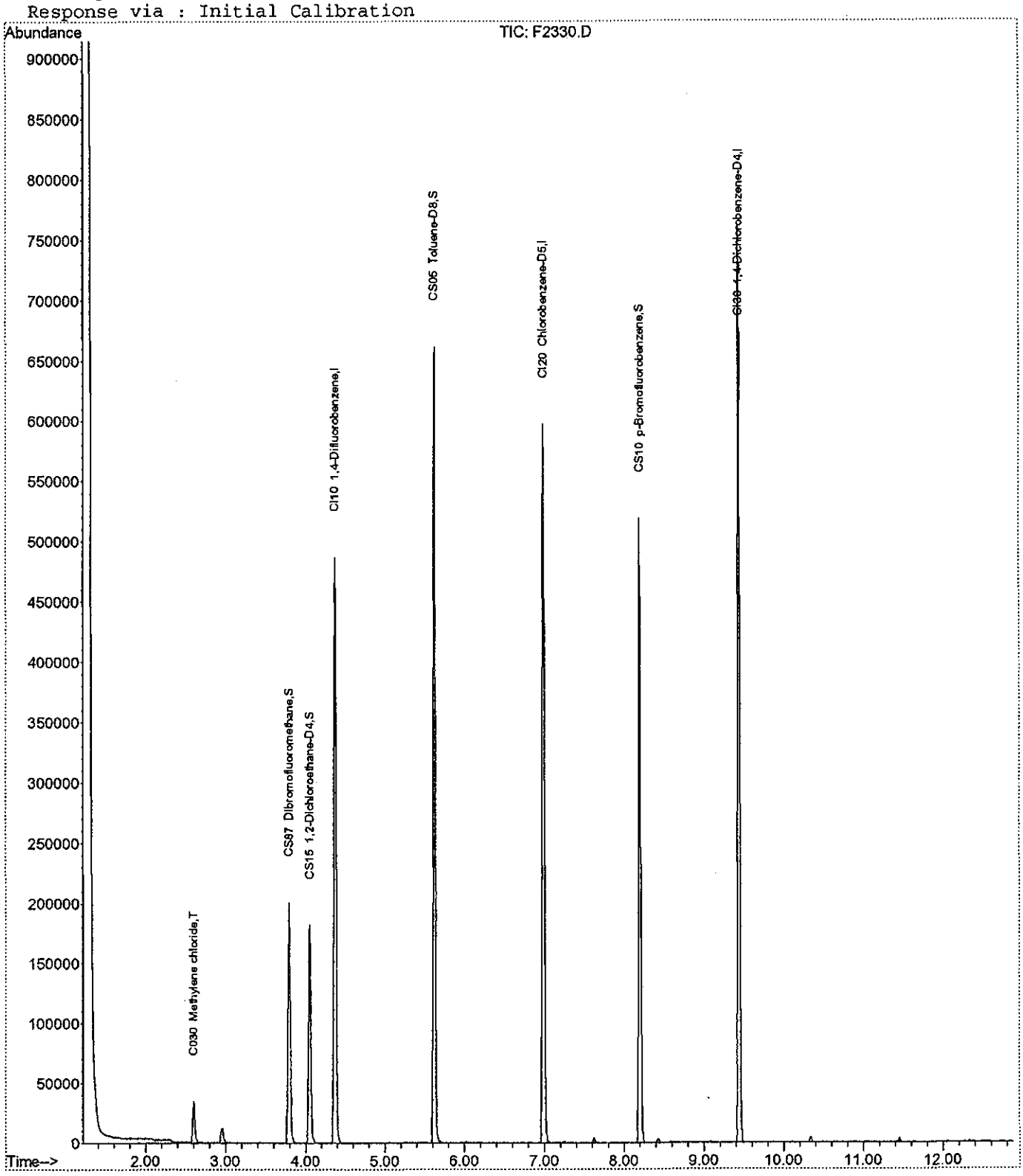
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	30	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
79-01-6	Trichloroethene	6	U
75-01-4	Vinyl chloride	12	U
1330-20-7	Total Xylenes	18	U

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\060208\F2330.D Vial: 77
Acq On : 2 Jun 2008 20:12 Operator: JLG
Sample : A8615701 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 3 19:07 2008 Quant Results File: A8I00000370.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2330.D Vial: 77
Acq On : 2 Jun 2008 20:12 Operator: JLG
Sample : A8615701 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:07:54 2008 Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\060208\F2327.D (2 Jun 2008 18:50)

HS 6/03/08

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	393314	250.00	ng	0.00 88.39%
43) CI20	Chlorobenzene-D5	6.99	82	170033	250.00	ng	0.00 89.56%
63) CI30	1,4-Dichlorobenzene-	9.44	152	207039	250.00	ng	0.00 91.31%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.80	111	121119	269.41	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	107.76%	
32) CS15	1,2-Dichloroethane-D	4.05	65	124666	259.85	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	103.94%	
44) CS05	Toluene-D8	5.63	98	438710	267.85	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	107.14%	
62) CS10	p-Bromofluorobenzene	8.20	174	163121	250.41	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	100.16%	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	13418	22.66	ng	# 74
11) C040	Carbon disulfide	0.00	76	0	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.33	43	1034	N.D.		
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2330.D Vial: 77
Acq On : 2 Jun 2008 20:12 Operator: JLG
Sample : A8615701 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:07:54 2008 Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	0.00	78	0	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	0.00	43	0	N.D.	
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.69	92	723	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.63	43	1880	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	0.00	43	0	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.25	91	1050	N.D.	
58)	C246	m,p-Xylene	7.25	106	402	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	0.00	91	0	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.60	105	586	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	685	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	685	N.D.	
76)	C260	1,3-Dichlorobenzene	9.47	146	1076	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.47	146	1076	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	9.83	91	143	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	11.26	180	435	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	3805	N.D.	
85)	C934	1,2,3-Trichlorobenze	11.64	180	286	N.D.	

(#) = qualifier out of range (m) = manual integration

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (10'-12')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615702

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F2331.RR

Level: (low/med) LOW Date Samp/Recv: 05/27/2008 05/31/2008

% Moisture: not dec. 10 Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	8	J
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	6	U
78-93-3	2-Butanone	28	U
75-15-0	Carbon Disulfide	6	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
106-93-4	1,2-Dibromoethane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	28	U
98-82-8	Isopropylbenzene	6	U
79-20-9	Methyl acetate	6	U
108-87-2	Methylcyclohexane	6	U
75-09-2	Methylene chloride	5	J

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (10'-12')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615702

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F2331.RR

Level: (low/med) LOW Date Samp/Recv: 05/27/2008 05/31/2008

% Moisture: not dec. 10 Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

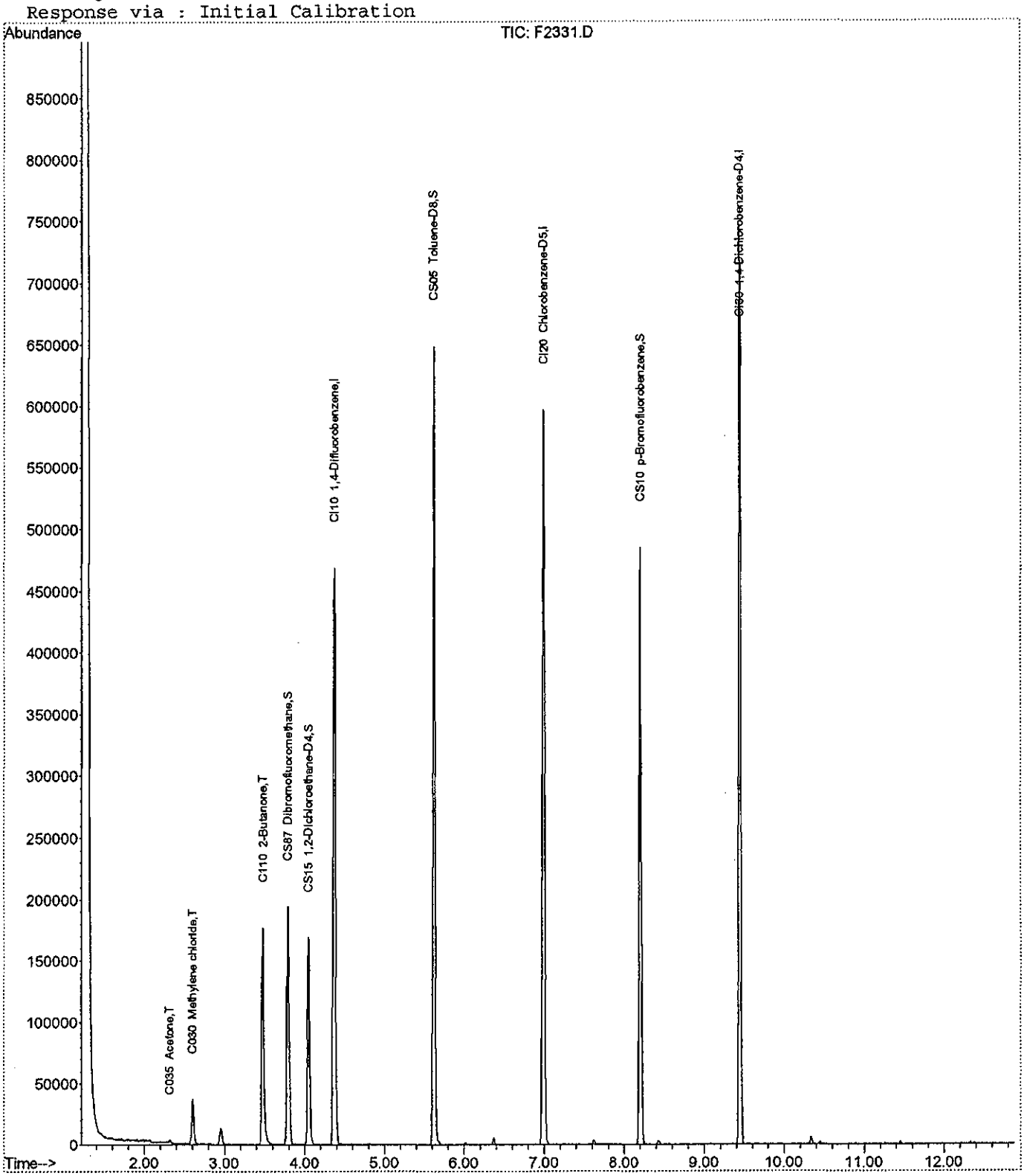
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	28	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
79-01-6	Trichloroethene	6	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	16	U

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\060208\F2331.D Vial: 78
Acq On : 2 Jun 2008 20:37 Operator: JLG
Sample : A8615702 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 3 19:07 2008 Quant Results File: A8I00000370.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2331.D Vial: 78
Acq On : 2 Jun 2008 20:37 Operator: JLG
Sample : A8615702 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:07:58 2008 Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\060208\F2327.D (2 Jun 2008 18:50)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	390622	250.00	ng	0.00 87.79%
43) CI20	Chlorobenzene-D5	6.99	82	169077	250.00	ng	0.00 89.05%
63) CI30	1,4-Dichlorobenzene-	9.44	152	199377	250.00	ng	0.00 87.93%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.79	111	116239	259.48	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery =	103.79%		
32) CS15	1,2-Dichloroethane-D	4.05	65	114876	238.85	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery =	95.54%		
44) CS05	Toluene-D8	5.62	98	429306	262.99	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery =	105.20%		
62) CS10	p-Bromofluorobenzene	8.20	174	153695	235.48	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery =	94.19%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	13997	24.42	ng #	65
11) C040	Carbon disulfide	0.00	76	0	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.33	43	4423	34.15	ng	87
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	2.51	43	291	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2331.D
Acq On : 2 Jun 2008 20:37
Sample : A8615702
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:07:58 2008

Vial: 78
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	0.00	78	0	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	3.48	43	238643	1026.62 ng	46
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.68	92	391	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.62	43	1890	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	6.37	43	986	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.25	91	1056	N.D.	
58)	C246	m,p-Xylene	0.00	106	0	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	0.00	91	0	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.56	105	129	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	700	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	700	N.D.	
76)	C260	1,3-Dichlorobenzene	9.47	146	1123	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.47	146	1123	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.46	128	2736	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (16'-18')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615703

Sample wt/vol: 5.18 (g/mL) G Lab File ID: F2332.RR

Level: (low/med) LOW Date Samp/Recv: 05/27/2008 05/31/2008

% Moisture: not dec. 8 Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	26	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (16'-18')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615703

Sample wt/vol: 5.18 (g/mL) G Lab File ID: F2332.RR

Level: (low/med) LOW Date Samp/Recv: 05/27/2008 05/31/2008

% Moisture: not dec. 8 Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

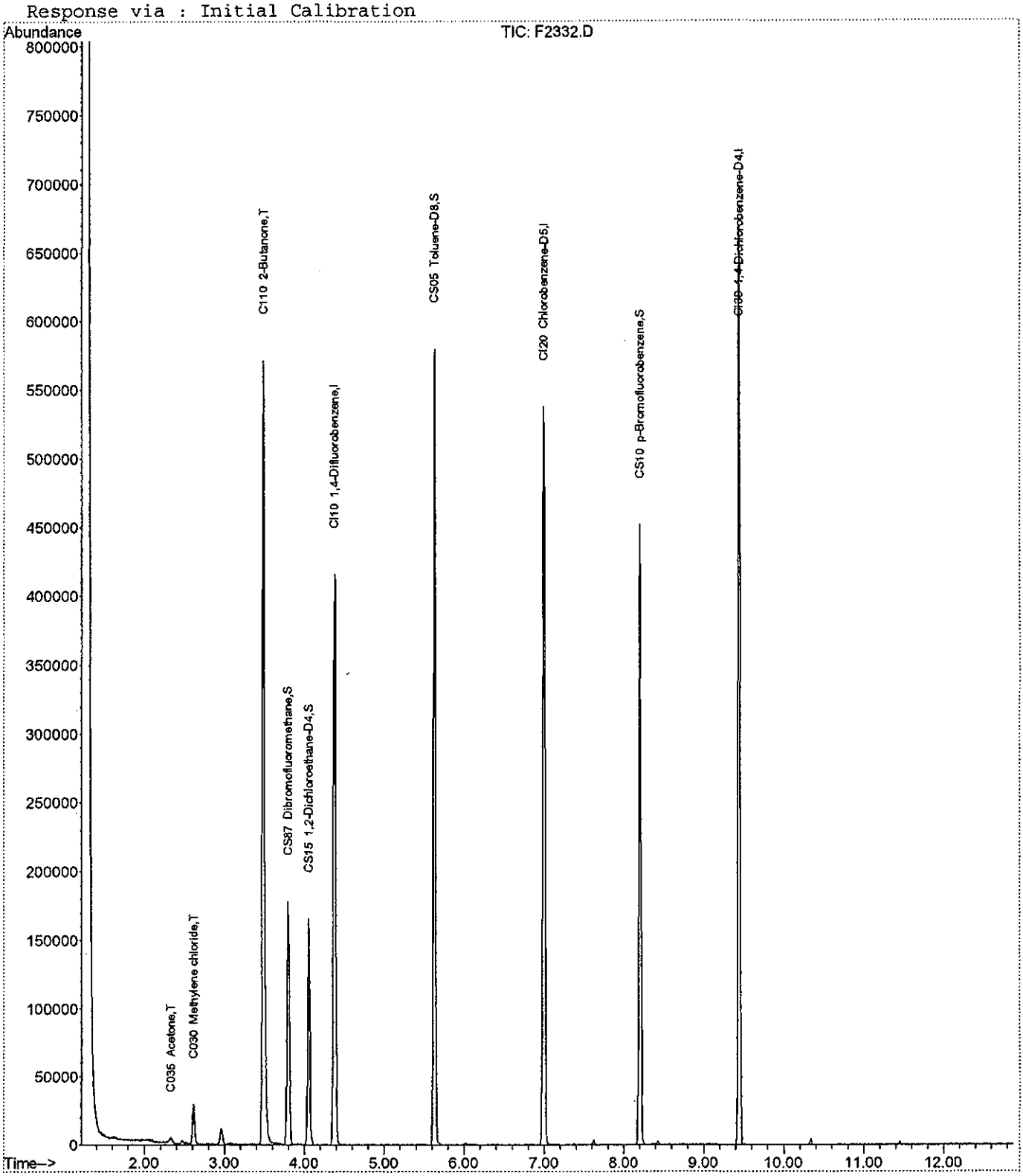
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	26	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	16	U

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\060208\F2332.D Vial: 79
Acq On : 2 Jun 2008 21:03 Operator: JLG
Sample : A8615703 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 3 19:07 2008 Quant Results File: A8I00000370.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2332.D
Acq On : 2 Jun 2008 21:03
Sample : A8615703
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:08:03 2008

Vial: 79
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\060208\F2327.D (2 Jun 2008 18:50)

			R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
Internal Standards								
1)	CI10	1,4-Difluorobenzene	4.38	114	351153	250.00	ng	0.00 78.92%
43)	CI20	Chlorobenzene-D5	6.99	82	152509	250.00	ng	0.00 80.33%
63)	CI30	1,4-Dichlorobenzene-	9.44	152	177384	250.00	ng	0.00 78.23%
System Monitoring Compounds								
27)	CS87	Dibromofluoromethane	3.80	111	110564	276.03	ng	0.00
Spiked Amount		250.000	Range	70 - 130		Recovery =		110.41%
32)	CS15	1,2-Dichloroethane-D	4.05	65	110458	257.64	ng	0.00
Spiked Amount		250.000	Range	64 - 126		Recovery =		103.06%
44)	CS05	Toluene-D8	5.63	98	391867	266.58	ng	0.00
Spiked Amount		250.000	Range	71 - 125		Recovery =		106.63%
62)	CS10	p-Bromofluorobenzene	8.20	174	142439	242.88	ng	0.00
Spiked Amount		250.000	Range	72 - 126		Recovery =		97.15%
Target Compounds								Qvalue
2)	C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3)	C010	Chloromethane	0.00	50	0	N.D.		
4)	C020	Vinyl chloride	0.00	62	0	N.D.		
5)	C015	Bromomethane	0.00	94	0	N.D.		
6)	C025	Chloroethane	0.00	64	0	N.D.		
7)	C275	Trichlorofluorometha	0.00	101	0	N.D.		
8)	C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9)	C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10)	C030	Methylene chloride	2.61	84	11712	21.88	ng	# 62
11)	C040	Carbon disulfide	2.47	76	3408	N.D.		
12)	C036	Acrolein	0.00	56	0	N.D.		
13)	C038	Acrylonitrile	0.00	53	0	N.D.		
14)	C035	Acetone	2.32	43	7912	67.96	ng	74
15)	C300	Acetonitrile	0.00	41	0	N.D.		
16)	C276	Iodomethane	0.00	142	0	N.D.		
17)	C255	Methyl Acetate	2.52	43	2184	N.D.		
18)	C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19)	C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20)	C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21)	C125	Vinyl Acetate	0.00	43	0	N.D.		
22)	C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23)	C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24)	C272	Tetrahydrofuran	0.00	42	0	N.D.		
25)	C222	Bromochloromethane	0.00	128	0	N.D.		
26)	C060	Chloroform	0.00	83	0	N.D.		
28)	C256	Cyclohexane	0.00	56	0	N.D.		
29)	C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30)	C120	Carbon tetrachloride	0.00	117	0	N.D.		
31)	C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2332.D Vial: 79
Acq On : 2 Jun 2008 21:03 Operator: JLG
Sample : A8615703 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:08:03 2008 Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit	Qvalue
33)	C165	Benzene	0.00	78	0	N.D.		
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.		
~~35)~~	~~C110~~	~~2-Butanone~~	~~3.48~~	~~43~~	~~756151~~	~~3618.50~~	~~ng~~	~~46~~
36)	C150	Trichloroethene	0.00	95	0	N.D.		
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.		
38)	C012	Methylcyclohexane	0.00	83	0	N.D.		
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.		
40)	C278	Dibromomethane	0.00	93	0	N.D.		
41)	C130	Bromodichloromethane	0.00	83	0	N.D.		
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.		
45)	C230	Toluene	0.00	92	0	N.D.		
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.		
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.		
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.		
49)	C210	4-Methyl-2-pentanone	5.62	43	2028	N.D.		
50)	C220	Tetrachloroethene	0.00	166	0	N.D.		
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.		
52)	C155	Dibromochloromethane	0.00	129	0	N.D.		
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.		
54)	C215	2-Hexanone	0.00	43	0	N.D.		
55)	C235	Chlorobenzene	0.00	112	0	N.D.		
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.		
57)	C240	Ethylbenzene	7.00	91	148	N.D.		
58)	C246	m,p-Xylene	0.00	106	0	N.D.		
59)	C247	o-Xylene	0.00	106	0	N.D.		
60)	C245	Styrene	0.00	104	0	N.D.		
61)	C180	Bromoform	0.00	173	0	N.D.		
64)	C966	Isopropylbenzene	0.00	105	0	N.D.		
65)	C301	Bromobenzene	0.00	156	0	N.D.		
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.		
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.		
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.		
69)	C302	n-Propylbenzene	0.00	91	0	N.D.		
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.		
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.		
72)	C304	1,3,5-Trimethylbenze	8.57	105	148	N.D.		
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.		
74)	C307	1,2,4-Trimethylbenze	9.07	105	734	N.D.		
75)	C308	sec-Butylbenzene	9.07	105	734	N.D.		
76)	C260	1,3-Dichlorobenzene	9.46	146	693	N.D.		
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.		
78)	C267	1,4-Dichlorobenzene	9.46	146	693	N.D.		
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.		
80)	C310	n-Butylbenzene	0.00	91	0	N.D.		
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.		
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.		
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.		
84)	C314	Naphthalene	11.45	128	2265	N.D.		
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.		

(#) = qualifier out of range (m) = manual integration

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (50'-52')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615704

Sample wt/vol: 5.09 (g/mL) G Lab File ID: F2333.RR

Level: (low/med) LOW Date Samp/Recv: 05/29/2008 05/31/2008

% Moisture: not dec. 6 Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	26	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	6	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (50'-52')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615704

Sample wt/vol: 5.09 (g/mL) G Lab File ID: F2333.RR

Level: (low/med) LOW Date Samp/Recv: 05/29/2008 05/31/2008

% Moisture: not dec. 6 Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

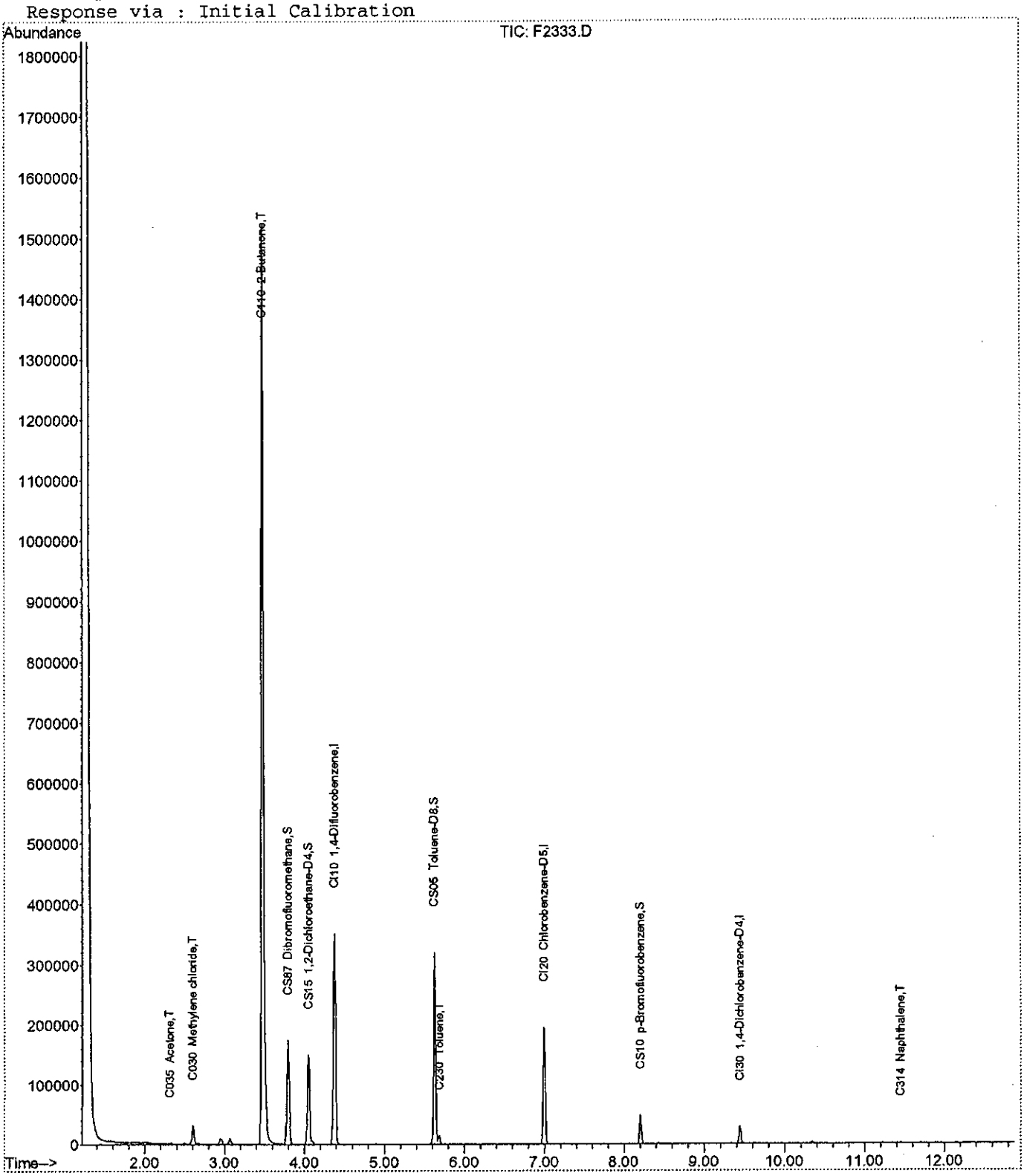
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	26	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	16	U

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\060208\F2333.D
Acq On : 2 Jun 2008 21:28
Sample : A8615704
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 3 19:07 2008

Vial: 80
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000370.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2333.D
Acq On : 2 Jun 2008 21:28
Sample : A8615704
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:08:08 2008

Vial: 80
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\060208\F2327.D (2 Jun 2008 18:50)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	294284	250.00	ng	0.00
43) CI20	Chlorobenzene-D5	6.99	82	53338	250.00	ng	0.00
63) CI30	1,4-Dichlorobenzene-	9.45	152	8880	250.00	ng	0.00

System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.79	111	106281	320.35	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	128.14%	
32) CS15	1,2-Dichloroethane-D	4.05	65	101213	284.60	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	113.84%	
44) CS05	Toluene-D8	5.62	98	214599	438.47	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	175.39%#	
62) CS10	p-Bromofluorobenzene	8.20	174	15942	54.48	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	21.79%#	

Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	12144	29.97	ng #	65
11) C040	Carbon disulfide	2.47	76	484	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.32	43	3779	38.73	ng #	42
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	2.50	43	3381	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2333.D
Acq On : 2 Jun 2008 21:28
Sample : A8615704
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:08:08 2008

Vial: 80
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit	Qvalue
33)	C165	Benzene	4.11	78	4437	N.D.		
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.		
~~35)~~	~~C110~~	~~2-Butanone~~	~~3.48~~	~~43~~	~~1949081~~	~~1129.61~~	~~ng~~	~~46~~
36)	C150	Trichloroethene	0.00	95	0	N.D.		
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.		
38)	C012	Methylcyclohexane	0.00	83	0	N.D.		
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.		
40)	C278	Dibromomethane	0.00	93	0	N.D.		
41)	C130	Bromodichloromethane	0.00	83	0	N.D.		
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.		
45)	C230	Toluene	5.68	92	6780	22.98	ng	91
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.		
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.		
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.		
49)	C210	4-Methyl-2-pentanone	5.62	43	1025	N.D.		
50)	C220	Tetrachloroethene	0.00	166	0	N.D.		
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.		
52)	C155	Dibromochloromethane	0.00	129	0	N.D.		
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.		
54)	C215	2-Hexanone	0.00	43	0	N.D.		
55)	C235	Chlorobenzene	0.00	112	0	N.D.		
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.		
57)	C240	Ethylbenzene	0.00	91	0	N.D.		
58)	C246	m,p-Xylene	0.00	106	0	N.D.		
59)	C247	o-Xylene	0.00	106	0	N.D.		
60)	C245	Styrene	0.00	104	0	N.D.		
61)	C180	Bromoform	0.00	173	0	N.D.		
64)	C966	Isopropylbenzene	0.00	105	0	N.D.		
65)	C301	Bromobenzene	0.00	156	0	N.D.		
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.		
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.		
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.		
69)	C302	n-Propylbenzene	0.00	91	0	N.D.		
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.		
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.		
72)	C304	1,3,5-Trimethylbenze	8.58	105	131	N.D.		
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.		
74)	C307	1,2,4-Trimethylbenze	9.08	105	288	N.D.		
75)	C308	sec-Butylbenzene	9.08	105	288	N.D.		
76)	C260	1,3-Dichlorobenzene	0.00	146	0	N.D.		
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.		
78)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.		
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.		
80)	C310	n-Butylbenzene	0.00	91	0	N.D.		
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.		
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.		
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.		
~~84)~~	~~C314~~	~~Naphthalene~~	~~11.45~~	~~128~~	~~1746~~	~~23.93~~	~~ng~~	~~74~~
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.		

(#) = qualifier out of range (m) = manual integration

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (50'-52')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615704RE

Sample wt/vol: 5.04 (g/mL) G Lab File ID: F2358.RR

Level: (low/med) LOW Date Samp/Recv: 05/29/2008 05/31/2008

% Moisture: not dec. 6 Heated Purge: Y Date Analyzed: 06/04/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	12	J
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	15	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (50'-52')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615704RE

Sample wt/vol: 5.04 (g/mL) G Lab File ID: F2358.RR

Level: (low/med) LOW Date Samp/Recv: 05/29/2008 05/31/2008

% Moisture: not dec. 6 Heated Purge: Y Date Analyzed: 06/04/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	26	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	15	
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	16	U

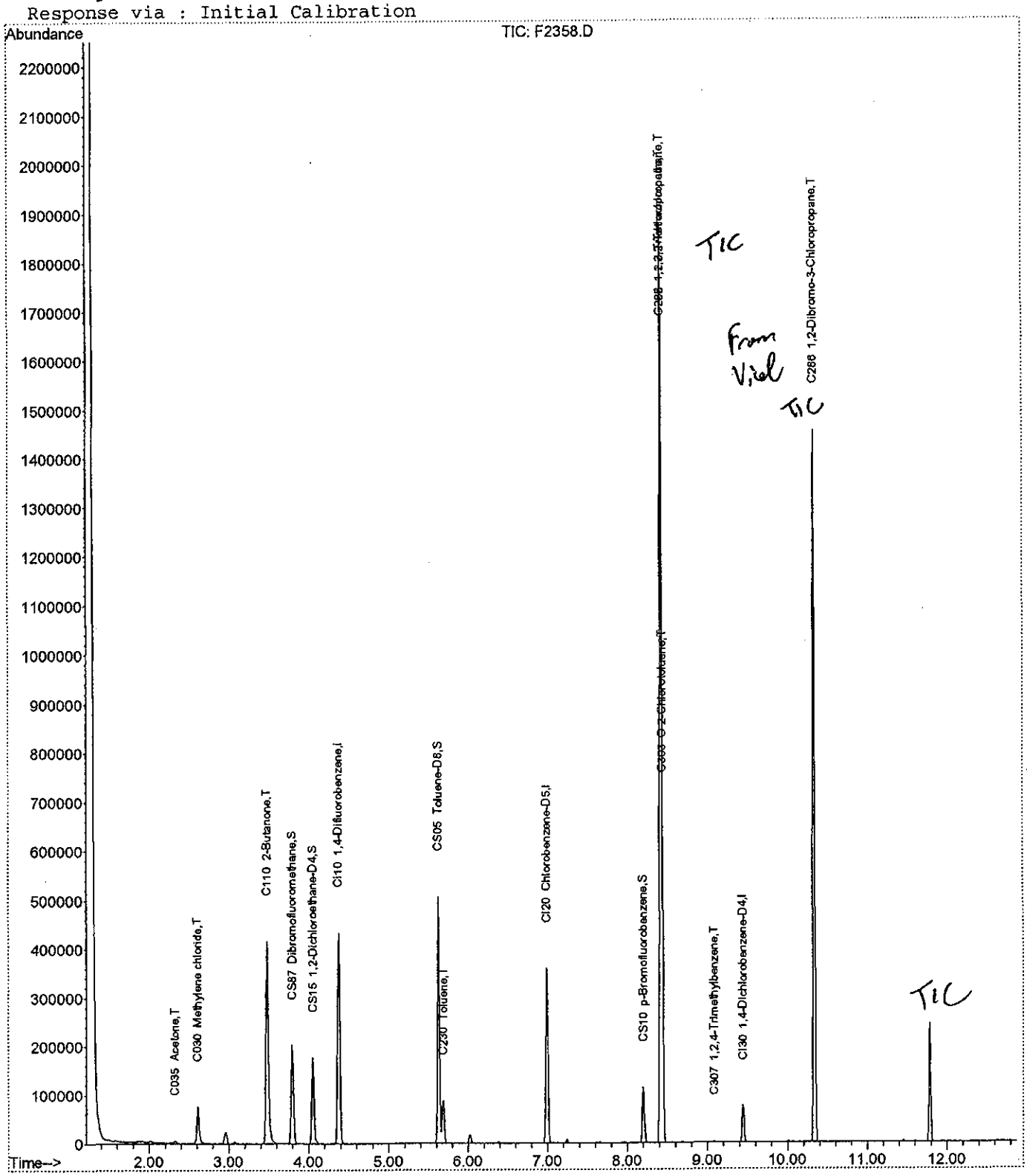
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\060408\F2358.D
Acq On : 4 Jun 2008 16:14
Sample : A8615704RE
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 5 9:38 2008

Vial: 9
Operator: TRB
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000370.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Thu Jun 05 09:37:17 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\060408\F2358.D
Acq On : 4 Jun 2008 16:14
Sample : A8615704 RE
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 05 09:38:04 2008

Vial: 9
Operator: TRB
Inst : HP5973F
Multiplr: 1.00

Confirms base

Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Thu Jun 05 09:37:17 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\060408\F2351.D (4 Jun 2008 13:11)

SAB mps 6/5/08

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	387383	250.00	ng	0.00
							81.43%
43) CI20	Chlorobenzene-D5	6.99	82	100694	250.00	ng	0.00
							48.41%
63) CI30	1,4-Dichlorobenzene-	9.44	152	21823	250.00	ng	0.00
							8.74%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.80	111	125493	284.74	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	113.90%	
32) CS15	1,2-Dichloroethane-D	4.05	65	125811	267.01	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	106.80%	
44) CS05	Toluene-D8	5.63	98	343132	365.68	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	146.27%#	
62) CS10	p-Bromofluorobenzene	8.20	174	36971	74.73	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	29.89%#	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	30989	69.55	ng	# 56
11) C040	Carbon disulfide	2.47	76	913	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.33	43	7215	56.18	ng	100
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	3.69	83	139	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\060408\F2358.D Vial: 9
Acq On : 4 Jun 2008 16:14 Operator: TRB
Sample : A8615704 RE Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 05 09:38:04 2008 Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Thu Jun 05 09:37:17 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.11	78	2149	N.D.			
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.			
35)	C110	2-Butanone	3.48	43	614342	2664.93	ng		46
36)	C150	Trichloroethene	0.00	95	0	N.D.			
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.			
38)	C012	Methylcyclohexane	0.00	83	0	N.D.			
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.			
40)	C278	Dibromomethane	0.00	93	0	N.D.			
41)	C130	Bromodichloromethane	0.00	83	0	N.D.			
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.			
45)	C230	Toluene	5.69	92	38525	69.16	ng		83
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.			
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.			
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.			
49)	C210	4-Methyl-2-pentanone	5.62	43	1647	N.D.			
50)	C220	Tetrachloroethene	0.00	166	0	N.D.			
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.			
52)	C155	Dibromochloromethane	0.00	129	0	N.D.			
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.			
54)	C215	2-Hexanone	6.39	43	3011	N.D.			
55)	C235	Chlorobenzene	0.00	112	0	N.D.			
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.			
57)	C240	Ethylbenzene	7.13	91	969	N.D.			
58)	C246	m,p-Xylene	7.25	106	2040	N.D.			
59)	C247	o-Xylene	7.66	106	324	N.D.			
60)	C245	Styrene	0.00	104	0	N.D.			
61)	C180	Bromoform	0.00	173	0	N.D.			
64)	C966	Isopropylbenzene	0.00	105	0	N.D.			
65)	C301	Bromobenzene	0.00	156	0	N.D.			
66)	C225	1,1,2,2-Tetrachloroe	8.43	83	750	17.14	ng	#	1
67)	C282	1,2,3-Trichloropropa	8.43	110	5413	376.89	ng		100
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.			
69)	C302	n-Propylbenzene	0.00	91	0	N.D.			
70)	C303	O 2-Chlorotoluene	8.45	126	617	13.13	ng		100
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.			
72)	C304	1,3,5-Trimethylbenze	8.67	105	270	N.D.			
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.			
74)	C307	1,2,4-Trimethylbenze	9.08	105	2124	13.27	ng		82
75)	C308	sec-Butylbenzene	9.08	105	2124	N.D.			
76)	C260	1,3-Dichlorobenzene	9.47	146	1125	N.D.			
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.			
78)	C267	1,4-Dichlorobenzene	9.47	146	1125	N.D.			
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.			
80)	C310	n-Butylbenzene	0.00	91	0	N.D.			
81)	C286	1,2-Dibromo-3-Chloro	10.33	75	32870	3903.79	ng	#	8
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.			
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.			
84)	C314	Naphthalene	11.45	128	2033	N.D.			
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.			

(#) = qualifier out of range (m) = manual integration

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Level (low/med): LOW

	Client Sample ID	Lab Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#						TOT OUT
1	MSB04	A8B1643501	100		103		108							0
2	MSB05	A8B1654601	102		106		109							0
3	MW-14 (10'-12')	A8615702	94		96		105							0
4	MW-14 (16'-18')	A8615703	97		103		107							0
5	MW-14 (50'-52')	A8615704	22	*	114		175	*						2
6	MW-14 (50'-52')	A8615704RE	30	*	107		146	*						2
7	MW-14 (6'-8')	A8615701	100		104		107							0
8	VBLK04	A8B1643502	100		99		111							0
9	VBLK05	A8B1654602	99		99		107							0

			QC LIMITS
BFB	=	p-Bromofluorobenzene	(72-126)
DCE	=	1,2-Dichloroethane-D4	(61-136)
TOL	=	Toluene-D8	(71-125)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B1643502

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: VBLK04 Level: (low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	MSB CONCENTRATION UG/KG	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	55.0	110	65 - 146
Trichloroethene	50.0	47.9	96	74 - 127
Benzene	50.0	47.4	95	74 - 128
Toluene	50.0	46.6	93	74 - 123
Chlorobenzene	50.0	46.9	94	76 - 124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B1654602

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: VBLK05 Level: (low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	MSB CONCENTRATION UG/KG	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	54.9	110	65 - 146
Trichloroethene	50.0	52.7	105	74 - 127
Benzene	50.0	53.2	106	74 - 128
Toluene	50.0	52.6	105	74 - 123
Chlorobenzene	50.0	52.5	105	76 - 124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK04

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F2329.RR Lab Sample ID: A8B1643502

Date Analyzed: 06/02/2008 Time Analyzed: 19:42

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	MSB04	A8B1643501	F2328.RR	19:16
2	MW-14 (10'-12')	A8615702	F2331.RR	20:37
3	MW-14 (16'-18')	A8615703	F2332.RR	21:03
4	MW-14 (50'-52')	A8615704	F2333.RR	21:28
5	MW-14 (6'-8')	A8615701	F2330.RR	20:12

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK04

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B1643502

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F2329.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK04

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B1643502

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F2329.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK05

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F2354.RR Lab Sample ID: A8B1654602

Date Analyzed: 06/04/2008 Time Analyzed: 14:29

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	MSB05	A8B1654601	F2353.RR	14:03
2	MW-14 (50'-52')	A8615704RE	F2358.RR	16:14

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK05

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B1654602

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F2354.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 06/04/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK05

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B1654602

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F2354.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 06/04/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	15	U

ARCADIS GERAGHTY & MILLER
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0001463

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F2259 BFB Injection Date: 05/25/2008

Instrument ID: HP5973F BFB Injection Time: 09:15

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N): Y

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	19.8		
75	30.0 - 60.0% of mass 95	41.3		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	7.9		
173	Less than 2.0% of mass 174	0.7	(0.7)	1
174	50 - 120 % of mass 95	98.5		
175	5.0 - 9.0% of mass 174	7.4	(7.5)	1
176	95.0 - 101.0% of mass 174	94.8	(96.2)	1
177	5.0 - 9.0% of mass 176	6.8	(7.2)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD005	A8I0000370-1	F2265.RR	05/25/2008	13:35
2	VSTD020	A8I0000370-1	F2267.RR	05/25/2008	14:30
3	VSTD050	A8I0000370-1	F2268.RR	05/25/2008	14:55
4	VSTD100	A8I0000370-1	F2269.RR	05/25/2008	15:21
5	VSTD200	A8I0000370-1	F2270.RR	05/25/2008	15:47

ARCADIS GERAGHTY & MILLER
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0001559

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F2325 BFB Injection Date: 06/02/2008

Instrument ID: HP5973F BFB Injection Time: 17:59

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N): Y

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	22.3		
75	30.0 - 60.0% of mass 95	44.8		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	5.9		
173	Less than 2.0% of mass 174	0.4	(0.4)	1
174	50 - 120 % of mass 95	98.8		
175	5.0 - 9.0% of mass 174	7.2	(7.3)	1
176	95.0 - 101.0% of mass 174	98.2	(99.4)	1
177	5.0 - 9.0% of mass 176	7.1	(7.2)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD050	A8C0001317-1	F2327.RR	06/02/2008	18:50
2	MSB04	A8B1643501	F2328.RR	06/02/2008	19:16
3	VBLK04	A8B1643502	F2329.RR	06/02/2008	19:42
4	MW-14 (6'-8')	A8615701	F2330.RR	06/02/2008	20:12
5	MW-14 (10'-12')	A8615702	F2331.RR	06/02/2008	20:37
6	MW-14 (16'-18')	A8615703	F2332.RR	06/02/2008	21:03
7	MW-14 (50'-52')	A8615704	F2333.RR	06/02/2008	21:28

ARCADIS GERAGHTY & MILLER
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0001579

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F2349 BFB Injection Date: 06/04/2008

Instrument ID: HP5973F BFB Injection Time: 12:32

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N): Y

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	24.9		
75	30.0 - 60.0% of mass 95	46.9		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	7.2		
173	Less than 2.0% of mass 174	0.5	(0.5)	1
174	50 - 120 % of mass 95	91.1		
175	5.0 - 9.0% of mass 174	6.6	(7.2)	1
176	95.0 - 101.0% of mass 174	91.7	(100.7)	1
177	5.0 - 9.0% of mass 176	6.0	(6.5)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD050	A8C0001335-1	F2351.RR	06/04/2008	13:11
2	MSB05	A8B1654601	F2353.RR	06/04/2008	14:03
3	VBLK05	A8B1654602	F2354.RR	06/04/2008	14:29
4	MW-14 (50'-52')	A8615704RE	F2358.RR	06/04/2008	16:14

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000370-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Intrument ID: HP5973F_____ Calibration Dates(s): 05/25/2008 05/25/2008

Heated Purge (Y/N): Y Calibration Times: 13:35 15:47

GC Column: ZB-624 ID: 0.20(mm)

Lab File ID: RRF5 = F2265.RR RRF20 = F2267.RR
RRF50 = F2268.RR RRF100 = F2269.RR RRF200 = F2270.RR

COMPOUND		RRF5	RRF20	RRF50	RRF100	RRF200	AVG RRF	% RSD	
Chloromethane	#	0.411	0.397	0.387	0.423	0.390	0.4010	3.700	#
Bromomethane		0.123	0.123	0.121	0.129	0.123	0.1240	2.400	
Vinyl chloride	*	0.335	0.323	0.329	0.342	0.305	0.3270	4.400	*
Chloroethane		0.110	0.114	0.110	0.113	0.111	0.1120	1.600	
Methylene chloride		0.359	0.257	0.252	0.261	0.246	0.2750	17.300	
Acetone		0.092	0.094	0.080	0.083	0.067	0.0830	13.000	
Carbon Disulfide		0.698	0.613	0.661	0.696	0.657	0.6650	5.200	
1,1-Dichloroethene	*	0.188	0.174	0.193	0.194	0.176	0.1850	5.100	*
1,1-Dichloroethane	#	0.464	0.428	0.457	0.486	0.462	0.4590	4.500	#
cis-1,2-Dichloroethene		0.279	0.254	0.269	0.284	0.272	0.2720	4.200	
trans-1,2-Dichloroethene		0.239	0.227	0.234	0.254	0.244	0.2400	4.200	
Chloroform	*	0.422	0.384	0.400	0.426	0.407	0.4080	4.100	*
1,2-Dichloroethane		0.379	0.366	0.371	0.374	0.350	0.3680	3.000	
2-Butanone		0.153	0.162	0.146	0.156	0.126	0.1490	9.300	
1,1,1-Trichloroethane		0.318	0.303	0.339	0.367	0.351	0.3360	7.500	
Carbon Tetrachloride		0.275	0.239	0.284	0.322	0.317	0.2870	11.700	
Bromodichloromethane		0.300	0.281	0.298	0.322	0.309	0.3020	5.000	
1,2-Dichloropropane	*	0.281	0.254	0.263	0.281	0.274	0.2710	4.300	*
cis-1,3-Dichloropropene		0.332	0.321	0.357	0.385	0.380	0.3550	8.000	
Trichloroethene		0.240	0.219	0.230	0.249	0.240	0.2350	4.900	
Dibromochloromethane		0.523	0.509	0.555	0.620	0.593	0.5600	8.200	
1,1,2-Trichloroethane		0.379	0.378	0.394	0.402	0.376	0.3860	3.000	
Benzene		0.906	0.858	0.896	0.950	0.915	0.9050	3.600	
trans-1,3-Dichloropropene		0.590	0.611	0.710	0.792	0.783	0.6970	13.500	
Bromoform	#	0.392	0.404	0.435	0.486	0.461	0.4350	8.900	#
4-Methyl-2-pentanone		0.729	0.829	0.733	0.791	0.636	0.7440	9.800	
2-Hexanone		0.489	0.565	0.511	0.549	0.442	0.5110	9.600	
Tetrachloroethene		0.645	0.600	0.627	0.679	0.644	0.6390	4.500	
1,1,2,2-Tetrachloroethane	#	0.467	0.523	0.511	0.529	0.476	0.5010	5.600	#
Toluene	*	1.396	1.330	1.345	1.443	1.402	1.3830	3.300	*
Chlorobenzene	#	1.710	1.663	1.648	1.748	1.712	1.6960	2.400	#
Ethylbenzene	*	2.715	2.604	2.630	2.807	2.691	2.6900	3.000	*
Styrene		1.763	1.715	1.783	1.913	1.856	1.8060	4.300	
Total Xylenes		1.079	0.999	1.032	1.136	1.096	1.0680	5.000	
1,1,2-Trichloro-1,2,2-trifl		0.215	0.206	0.221	0.225	0.209	0.2150	3.800	
1,2,4-Trichlorobenzene		0.995	0.914	0.957	1.023	0.920	0.9620	4.900	
1,2-Dibromo-3-chloropropane		0.080	0.095	0.100	0.114	0.095	0.0960	12.700	

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000370-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Intrument ID: HP5973F_____ Calibration Dates(s): 05/25/2008 05/25/2008

Heated Purge (Y/N): Y Calibration Times: 13:35 15:47

GC Column: ZB-624 ID: 0.20(mm)

Lab File ID: RRF5 = F2265.RR RRF20 = F2267.RR
RRF50 = F2268.RR RRF100 = F2269.RR RRF200 = F2270.RR

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	AVG RRF	% RSD
1,2-Dibromoethane	0.490	0.527	0.521	0.536	0.495	0.5140	4.000
1,2-Dichlorobenzene	1.203	1.127	1.165	1.211	1.129	1.1670	3.400
1,3-Dichlorobenzene	1.187	1.106	1.148	1.183	1.129	1.1510	3.000
1,4-Dichlorobenzene	1.244	1.150	1.160	1.208	1.153	1.1830	3.500
Cyclohexane	0.465	0.438	0.479	0.497	0.468	0.4690	4.600
Dichlorodifluoromethane	0.162	0.207	0.216	0.225	0.199	0.2020	11.900
Methyl acetate	0.368	0.397	0.361	0.389	0.326	0.3680	7.600
Trichlorofluoromethane	0.355	0.349	0.352	0.362	0.326	0.3490	3.800
Methyl-t-Butyl Ether (MTBE)	0.694	0.689	0.675	0.728	0.667	0.6900	3.400
Isopropylbenzene	2.084	1.911	2.024	2.145	2.063	2.0450	4.200
Methylcyclohexane	0.355	0.352	0.372	0.391	0.379	0.3700	4.400
Toluene-D8	4.545	2.493	2.612	2.352	2.166	2.8340	34.300
p-Bromofluorobenzene	1.783	1.009	1.000	0.934	0.862	1.1170	33.700
1,2-Dichloroethane-D4	0.526	0.330	0.315	0.301	0.278	0.3500	28.700

Comments:

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001317-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: F2327.RR Calibration Date: 06/02/2008 Time: 18:50

Intrument ID: HP5973F Init. Calib. Date(s): 05/25/2008 05/25/2008

Heated Purge (Y/N): Y Init. Calib. Times: 13:35 15:47

GC Column: ZB-624 ID: 0.20(mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
Chloromethane	0.4010	0.3741	0.1000	6.700	100.00
Bromomethane	0.1240	0.1202		3.100	100.00
Vinyl chloride	0.3270	0.2834		13.300	20.00
Chloroethane	0.1120	0.1097		2.000	100.00
Methylene chloride	0.2750	0.2389		13.100	100.00
Acetone	0.0830	0.0761		8.300	100.00
Carbon Disulfide	0.6650	0.6409		3.600	100.00
1,1-Dichloroethene	0.1850	0.1871	0.1000	-1.100	20.00
1,1-Dichloroethane	0.4590	0.4169	0.3000	9.200	100.00
cis-1,2-Dichloroethene	0.2720	0.2400		11.800	100.00
trans-1,2-Dichloroethene	0.2400	0.2195		8.500	100.00
Chloroform	0.4080	0.3646		10.600	20.00
1,2-Dichloroethane	0.3680	0.3249		11.700	100.00
2-Butanone	0.1490	0.1320		11.400	100.00
1,1,1-Trichloroethane	0.3360	0.3212		4.400	100.00
Carbon Tetrachloride	0.2870	0.2719		5.300	100.00
Bromodichloromethane	0.3020	0.2738		9.300	100.00
1,2-Dichloropropane	0.2710	0.2410		11.100	20.00
cis-1,3-Dichloropropene	0.3550	0.3270		7.900	100.00
Trichloroethene	0.2350	0.2172		7.600	100.00
Dibromochloromethane	0.5600	0.5365		4.200	100.00
1,1,2-Trichloroethane	0.3860	0.3538		8.300	100.00
Benzene	0.9050	0.8199		9.400	100.00
trans-1,3-Dichloropropene	0.6970	0.6641		4.700	100.00
Bromoform	0.4350	0.3837	0.1000	11.800	100.00
4-Methyl-2-pentanone	0.7440	0.6685		10.100	100.00
2-Hexanone	0.5110	0.4634		9.300	100.00
Tetrachloroethene	0.6390	0.5926		7.300	100.00
1,1,2,2-Tetrachloroethane	0.5010	0.4811	0.3000	4.000	100.00
Toluene	1.3830	1.2623		8.700	20.00
Chlorobenzene	1.6960	1.5479	0.3000	8.700	100.00
Ethylbenzene	2.6900	2.4825		7.700	20.00
Styrene	1.8060	1.6095		10.900	100.00
Total Xylenes	1.0680	0.9693		9.200	100.00
1,1,2-Trichloro-1,2,2-trifluoro	0.2150	0.2113		1.700	100.00
1,2,4-Trichlorobenzene	0.9620	0.9554		0.700	100.00
1,2-Dibromo-3-chloropropane	0.0960	0.0948		1.200	100.00
1,2-Dibromoethane	0.5140	0.4523		12.000	100.00
1,2-Dichlorobenzene	1.1670	1.1439		2.000	100.00

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001317-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: F2327.RR Calibration Date: 06/02/2008 Time: 18:50

Intrument ID: HP5973F Init. Calib. Date(s): 05/25/2008 05/25/2008

Heated Purge (Y/N): Y Init. Calib. Times: 13:35 15:47

GC Column: ZB-624 ID: 0.20(mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
1,3-Dichlorobenzene	1.1510	1.1452		0.500	100.00
1,4-Dichlorobenzene	1.1830	1.1682		1.200	100.00
Cyclohexane	0.4690	0.4506		3.900	100.00
Dichlorodifluoromethane	0.2020	0.1633		19.200	100.00
Methyl acetate	0.3680	0.4006		-8.800	100.00
Trichlorofluoromethane	0.3490	0.3694		-5.800	100.00
Methyl-t-Butyl Ether (MTBE)	0.6900	0.6087		11.800	100.00
Isopropylbenzene	2.0450	2.0126		1.600	100.00
Methylcyclohexane	0.3700	0.3467		6.300	100.00
Toluene-D8	2.8340	2.6491		6.500	100.00
p-Bromofluorobenzene	1.1170	0.9500		15.000	100.00
1,2-Dichloroethane-D4	0.3500	0.3194		8.700	100.00

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001335-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: F2351.RR Calibration Date: 06/04/2008 Time: 13:11

Intrument ID: HP5973F Init. Calib. Date(s): 05/25/2008 05/25/2008

Heated Purge (Y/N): Y Init. Calib. Times: 13:35 15:47

GC Column: ZB-624 ID: 0.20(mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
Chloromethane	0.4010	0.3778	0.1000	5.800	100.00
Bromomethane	0.1240	0.1210		2.400	100.00
Vinyl chloride	0.3270	0.3068		6.200	20.00
Chloroethane	0.1120	0.1074		4.100	100.00
Methylene chloride	0.2750	0.2757		-0.300	100.00
Acetone	0.0830	0.0995		-19.900	100.00
Carbon Disulfide	0.6650	0.6940		-4.400	100.00
1,1-Dichloroethene	0.1850	0.2154	0.1000	-16.400	20.00
1,1-Dichloroethane	0.4590	0.4945	0.3000	-7.700	100.00
cis-1,2-Dichloroethene	0.2720	0.2899		-6.600	100.00
trans-1,2-Dichloroethene	0.2400	0.2642		-10.100	100.00
Chloroform	0.4080	0.4324		-6.000	20.00
1,2-Dichloroethane	0.3680	0.3821		-3.800	100.00
2-Butanone	0.1490	0.1752		-17.600	100.00
1,1,1-Trichloroethane	0.3360	0.3447		-2.600	100.00
Carbon Tetrachloride	0.2870	0.2808		2.200	100.00
Bromodichloromethane	0.3020	0.3148		-4.200	100.00
1,2-Dichloropropane	0.2710	0.2836		-4.600	20.00
cis-1,3-Dichloropropene	0.3550	0.3862		-8.800	100.00
Trichloroethene	0.2350	0.2577		-9.600	100.00
Dibromochloromethane	0.5600	0.5806		-3.700	100.00
1,1,2-Trichloroethane	0.3860	0.4166		-7.900	100.00
Benzene	0.9050	0.9768		-7.900	100.00
trans-1,3-Dichloropropene	0.6970	0.7441		-6.800	100.00
Bromoform	0.4350	0.3984	0.1000	8.400	100.00
4-Methyl-2-pentanone	0.7440	0.8439		-13.400	100.00
2-Hexanone	0.5110	0.5904		-15.500	100.00
Tetrachloroethene	0.6390	0.7094		-11.000	100.00
1,1,2,2-Tetrachloroethane	0.5010	0.5883	0.3000	-17.400	100.00
Toluene	1.3830	1.4847		-7.400	20.00
Chlorobenzene	1.6960	1.8041	0.3000	-6.400	100.00
Ethylbenzene	2.6900	2.8181		-4.800	20.00
Styrene	1.8060	1.9083		-5.700	100.00
Total Xylenes	1.0680	1.0996		-3.000	100.00
1,1,2-Trichloro-1,2,2-trifluoro	0.2150	0.2204		-2.500	100.00
1,2,4-Trichlorobenzene	0.9620	1.0832		-12.600	100.00
1,2-Dibromo-3-chloropropane	0.0960	0.1035		-7.800	100.00
1,2-Dibromoethane	0.5140	0.5464		-6.300	100.00
1,2-Dichlorobenzene	1.1670	1.2876		-10.300	100.00

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001335-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: F2351.RR Calibration Date: 06/04/2008 Time: 13:11

Intrument ID: HP5973F Init. Calib. Date(s): 05/25/2008 05/25/2008

Heated Purge (Y/N): Y Init. Calib. Times: 13:35 15:47

GC Column: ZB-624 ID: 0.20(mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
1,3-Dichlorobenzene	1.1510	1.3136		-14.100	100.00
1,4-Dichlorobenzene	1.1830	1.3537		-14.400	100.00
Cyclohexane	0.4690	0.4821		-2.800	100.00
Dichlorodifluoromethane	0.2020	0.1760		12.900	100.00
Methyl acetate	0.3680	0.4160		-13.000	100.00
Trichlorofluoromethane	0.3490	0.3624		-3.800	100.00
Methyl-t-Butyl Ether (MTBE)	0.6900	0.7846		-13.700	100.00
Isopropylbenzene	2.0450	2.0601		-0.700	100.00
Methylcyclohexane	0.3700	0.3884		-5.000	100.00
Toluene-D8	2.8340	2.5192		11.100	100.00
p-Bromofluorobenzene	1.1170	0.9328		16.500	100.00
1,2-Dichloroethane-D4	0.3500	0.3205		8.400	100.00

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0001317

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): F2327.RR Date Analyzed: 06/02/2008

Instrument ID: HP5973F Time Analyzed: 18:50

GC Column(1): ZB-624 ID: 0.200(mm) Heated Purge: (Y/N) Y

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		189862		6.99		226752		9.44		444961		4.38	
	UPPER LIMIT		379724		7.49		453504		9.94		889922		4.88	
	LOWER LIMIT		94931		6.49		113376		8.94		222481		3.88	
	CLIENT SAMPLE	Lab Sample ID												
1	MSB04	A8B1643501	187785		6.99		229308		9.44		431243		4.38	
2	MW-14 (10'-12')	A8615702	169077		6.99		199377		9.44		390622		4.38	
3	MW-14 (16'-18')	A8615703	152509		6.99		177384		9.44		351153		4.38	
4	MW-14 (50'-52')	A8615704	53338	*	6.99		8880	*	9.45		294284		4.38	
5	MW-14 (6'-8')	A8615701	170033		6.99		207039		9.44		393314		4.38	
6	VBLK04	A8B1643502	172337		6.99		212221		9.44		405553		4.38	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0001335

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): F2351.RR Date Analyzed: 06/04/2008

Instrument ID: HP5973F Time Analyzed: 13:11

GC Column(1): ZB-624 ID: 0.200(mm) Heated Purge: (Y/N) Y

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		208011		6.99		249651		9.44		475725		4.38	
	UPPER LIMIT		416022		7.49		499302		9.94		951450		4.88	
	LOWER LIMIT		104006		6.49		124826		8.94		237863		3.88	
	CLIENT SAMPLE	Lab Sample ID												
1	MSB05	A8B1654601	207777		6.99		254387		9.44		486920		4.38	
2	MW-14 (50'-52')	A8615704RE	100694	*	6.99		21823	*	9.44		387383		4.38	
3	VBLK05	A8B1654602	198071		6.99		232315		9.44		457033		4.38	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
05/30/08	0825	JW	F2320	A8 567607	5676	5.0 mL	5.80g	—
5/30/08	1139	TMB	F2321	JBLK	—	5 mL	—	1
	1215		F2322	A8560501	5605		5.00	
	1241		F2323	02			5.00	
	1307		F2324	03			5.00	
06/02/08	1759	JW	F2325	0602 BFB F1	Qc	1 uL	—	—
	1825		F2326	A00050		5.0mL	5.00g	
	1850		F2329	VST0050				
	1916		F2328	BFB Full				
	1942		F2329	VBLK04				
	2012		F2330	A8615701	6157		5.00	
	2037		F2331	02			5.00	
	2103		F2332	03			5.18	
	2128		F2333	04			5.09	
	2154		F2334	A8 6162 01	6162		5.06	
	2220		F2335	02			5.00	
	2246		F2336	03			5.00	
	2311		F2337	04			5.05	
	2337		F2338	05			5.01	
06/03/08	0003		F2339	05mr			5.08	
	0028		F2340	0550			5.04	
	0054		F2341	A8615901	6159		5.11	
	0119		F2342	01FD			5.02	
	0145		F2343	02			5.06	
	0211		F2344	02MS			5.11	
	0236		F2345	02SD			5.10	
	0302		F2346	03			5.06	
	0327		F2347	04			5.00	
	0353		F2348	05			5.09	

REVIEWED BY_____ PAGE _____

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

STD #	IS/SS MIX #	Reruns	pH <2	Comments
	IS/10 DL/VS			
WS1 AF-2				PASS
WS5 AF-10, WS5 AB-5	IS/10 DL/VS			8260 soil ADD (A8F...0325)
WS6 AF-3, WS12 AB-1, WS13 AV-7				8260 soil (A8F...0370)
WS19 AB-2, WS19 AR-2				
		Y		PASS - Insufficient
		Y		PASS - bad purge
WS3 AF-7				
WS3 AF-7		Y		PASS - bad purge
		Y		PASS - IS out

REVIEWED BY_____ PAGE_____

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
05/30/08	0825	JW	F2320	A8 567607	5676	5.0mL	5.00g	—
5/30/08	1139	TBB	F2321	IBLK	—	5 mL	—	—
	1215		F2322	A8560501	5605		5.00	
	1241		F2323	02			5.00	
	1307		F2324	03			5.00	
06/02/08	1759	JW	F2325	0602 BFB F1	QC	1mL	—	—
	1825		F2326	A000050		5.0mL	5.00g	
	1850		F2327	VST0050				
	1916		F2328	MSB Full				
	1942		F2329	VBLK04				
	2012		F2330	A8615701	6157		5.20	
	2037		F2331	02			5.00	
	2103		F2332	03			5.18	
	2128		F2333	04			5.09	
	2154		F2334	A8 6162 01	6162		5.06	
	2220		F2335	02			5.00	
	2246		F2336	03			5.00	
	2311		F2337	04			5.05	
	2337		F2338	05			5.01	
06/03/08	0003		F2339	05mL			5.08	
	0028		F2340	0550			5.04	
	0054		F2341	A8615901	6159		5.11	
	0119		F2342	01FD			5.02	
	0145		F2343	02			5.06	
	0211		F2344	02MS			5.11	
	0236		F2345	02SD			5.10	
	0302		F2346	03			5.06	
	0327		F2347	04			5.00	
	0353		F2348	05			5.09	
6/4/08	1232	TBB	F2349	0604BFBF1	QC	1mL	—	—
	—		F2350	VST0050 (VB)		5mL	5.00g	
	1311		F2351	VST0050				
	1338		F2352	A000050				
	1403		F2353	MSB FULL				
	1429		F2354	VBLK05				
	1457		F2355	A8616203	6162		5.16	
	1523		F2356	A8615902	6159		5.02	
	1548		F2357	04			5.15	

REVIEWED BY_____ PAGE _____

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

STD #	IS/SS MIX #	ReRun?	pH <2	Comments
	IS10 DL/VI			
WS1 AF-2				PASS
WS5 AF-10, WS5 AG-5	IS10 DL/VI			8260 Soil ADD (A8J...0325)
WS6 AF-3, WS12 AG-1, WS13 AV-7				8260 Soil (A8J... 0370)
WS19 AG-2, WS19 AR-2				
		Y		PASS - surrogate out
		Y		PASS - base purge
WS3 AF-7				
		Y		PASS - base purge
WS3 AF-7				
		Y		PASS - IS out
WS1 AF-2	IS5/10 DL/VI			PASS
				No Good LL-TCE ↑
WS6 AF-3, WS12 AG-1, WS13 AV-7				A8J...0370 (8260 Soil)
WS5 AF-10, WS5 AG-5				A8J...0385 (All Soil)
WS19 AG-2, WS19 AR-2				

REVIEWED BY_____ PAGE _____

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
6/4/04	1614	TRB	F2358	~~A8615704RE~~	6157	~~5mL~~	~~5.04~~	—
	1640		F2359	I BLK	—		—	—
	1705		F2360	A86226 04	6226		5.00	1
	1731		F2361	12			5.00	1
	1757		F2362	01			5.26	1
	1822		F2363	01MS			5.22	
	1848		F2364	01SD			4.99	
	1914		F2365	02			5.12	
	1939		F2366	03			5.05	
	2005		F2367	05			5.06	
	2031		F2368	06			5.08	
	2056		F2369	07			5.05	
	2122		F2370	08			5.02	
	2147		F2371	09			5.08	
	2213		F2372	10			5.00	
	2239		F2373	11			5.21	

REVIEWED BY_____ PAGE _____

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

STD #	IS/SS MIX #	RaRunT	pH <2	Comments
	15510 DL/MK		—	Confirms base
			—	
			✓	
			✓	
			—	
1.53 1F-7				

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METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (10'-12')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615702

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F2331.RR

Level: (low/med) LOW Date Samp/Recv: 05/27/2008 05/31/2008

% Moisture: not dec. 10 Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	8	J
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	6	U
78-93-3	2-Butanone	28	U
75-15-0	Carbon Disulfide	6	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
106-93-4	1,2-Dibromoethane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	28	U
98-82-8	Isopropylbenzene	6	U
79-20-9	Methyl acetate	6	U
108-87-2	Methylcyclohexane	6	U
75-09-2	Methylene chloride	5	J

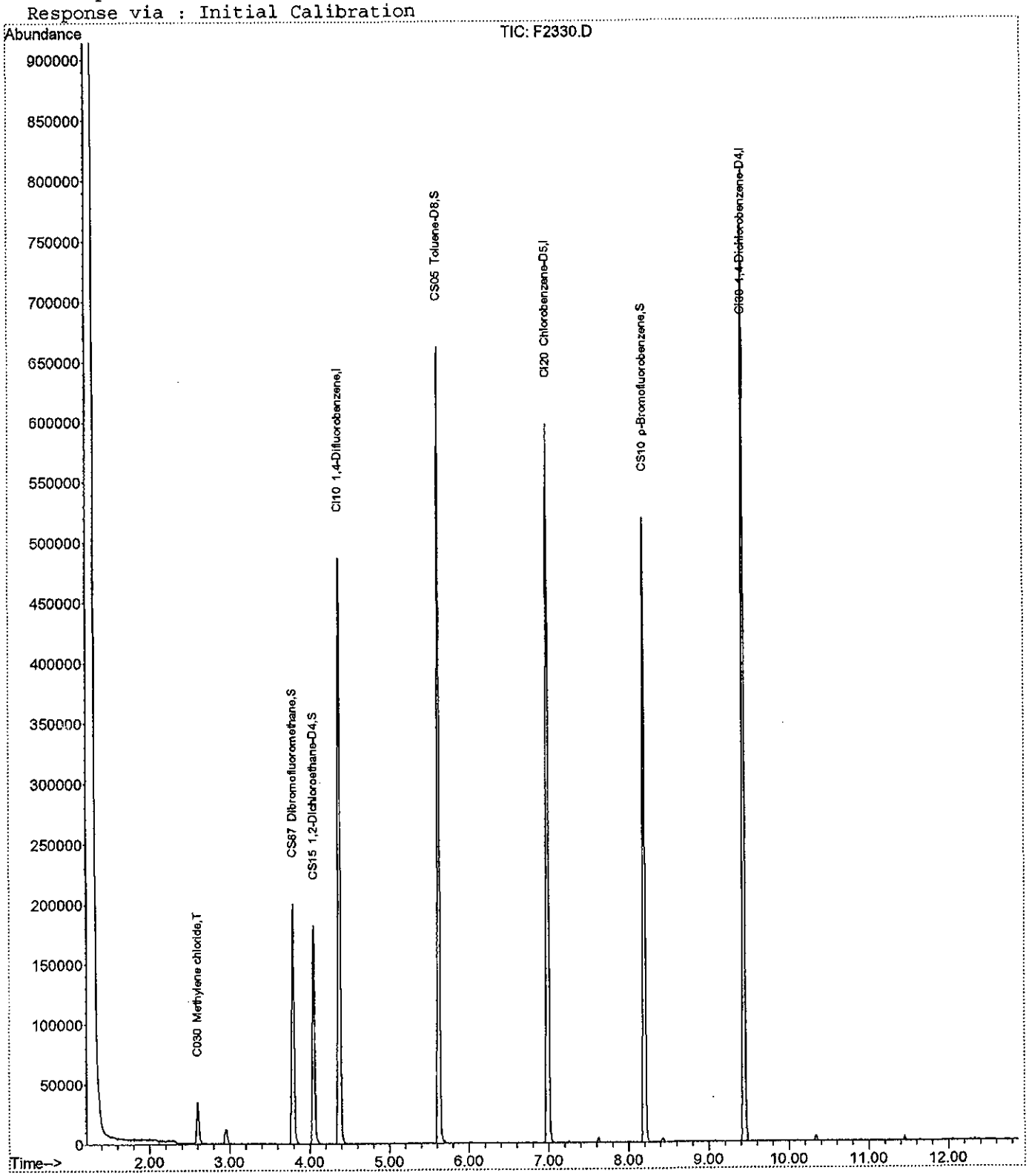
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\060208\F2330.D
Acq On : 2 Jun 2008 20:12
Sample : A8615701
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 3 19:07 2008

Vial: 77
Operator: JLG
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000370.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2330.D
Acq On : 2 Jun 2008 20:12
Sample : A8615701
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:07:54 2008

Vial: 77
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\060208\F2327.D (2 Jun 2008 18:50)

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	393314	250.00 ng	0.00 88.39%
43) CI20	Chlorobenzene-D5	6.99	82	170033	250.00 ng	0.00 89.56%
63) CI30	1,4-Dichlorobenzene-	9.44	152	207039	250.00 ng	0.00 91.31%
System Monitoring Compounds						
27) CS87	Dibromofluoromethane	3.80	111	121119	269.41 ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	= 107.76%	
32) CS15	1,2-Dichloroethane-D	4.05	65	124666	259.85 ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	= 103.94%	
44) CS05	Toluene-D8	5.63	98	438710	267.85 ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	= 107.14%	
62) CS10	p-Bromofluorobenzene	8.20	174	163121	250.41 ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	= 100.16%	
Target Compounds						Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.	
3) C010	Chloromethane	0.00	50	0	N.D.	
4) C020	Vinyl chloride	0.00	62	0	N.D.	
5) C015	Bromomethane	0.00	94	0	N.D.	
6) C025	Chloroethane	0.00	64	0	N.D.	
7) C275	Trichlorofluorometha	0.00	101	0	N.D.	
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.	
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.	
10) C030	Methylene chloride	2.61	84	13418	22.66 ng	# 74
11) C040	Carbon disulfide	0.00	76	0	N.D.	
12) C036	Acrolein	0.00	56	0	N.D.	
13) C038	Acrylonitrile	0.00	53	0	N.D.	
14) C035	Acetone	2.33	43	1034	N.D.	
15) C300	Acetonitrile	0.00	41	0	N.D.	
16) C276	Iodomethane	0.00	142	0	N.D.	
17) C255	Methyl Acetate	0.00	43	0	N.D.	
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.	
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.	
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.	
21) C125	Vinyl Acetate	0.00	43	0	N.D.	
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.	
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.	
24) C272	Tetrahydrofuran	0.00	42	0	N.D.	
25) C222	Bromochloromethane	0.00	128	0	N.D.	
26) C060	Chloroform	0.00	83	0	N.D.	
28) C256	Cyclohexane	0.00	56	0	N.D.	
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.	
30) C120	Carbon tetrachloride	0.00	117	0	N.D.	
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2330.D
Acq On : 2 Jun 2008 20:12
Sample : A8615701
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:07:54 2008

Vial: 77
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	0.00	78	0	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	0.00	43	0	N.D.	
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.69	92	723	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.63	43	1880	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	0.00	43	0	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.25	91	1050	N.D.	
58)	C246	m,p-Xylene	7.25	106	402	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	0.00	91	0	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.60	105	586	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	685	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	685	N.D.	
76)	C260	1,3-Dichlorobenzene	9.47	146	1076	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.47	146	1076	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	9.83	91	143	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	11.26	180	435	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	3805	N.D.	
85)	C934	1,2,3-Trichlorobenze	11.64	180	286	N.D.	

(#) = qualifier out of range (m) = manual integration

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (16'-18')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615703

Sample wt/vol: 5.18 (g/mL) G Lab File ID: F2332.RR

Level: (low/med) LOW Date Samp/Recv: 05/27/2008 05/31/2008

% Moisture: not dec. 8 Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	26	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (16'-18')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615703

Sample wt/vol: 5.18 (g/mL) G Lab File ID: F2332.RR

Level: (low/med) LOW Date Samp/Recv: 05/27/2008 05/31/2008

% Moisture: not dec. 8 Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	26	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	16	U

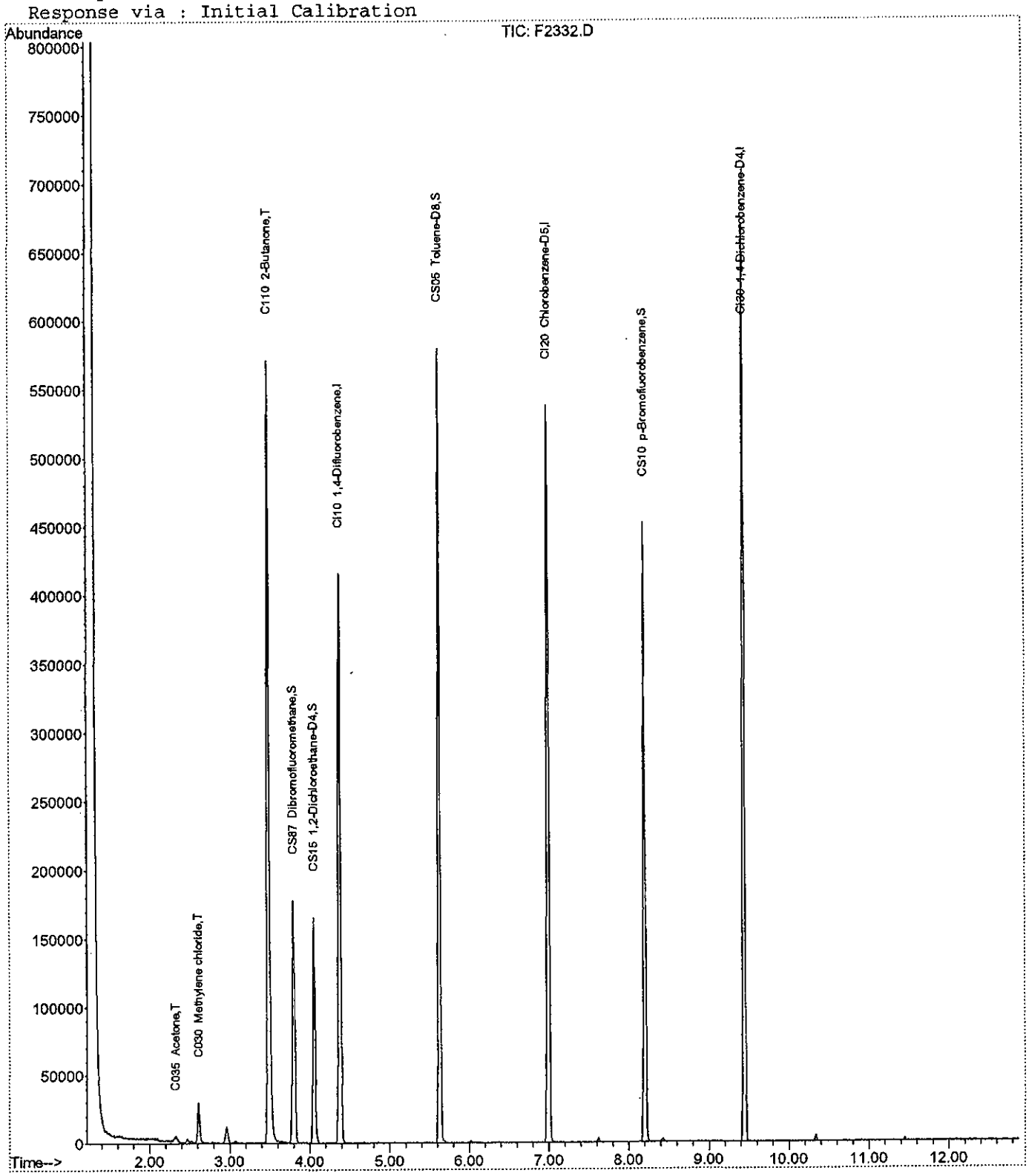
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\060208\F2332.D
Acq On : 2 Jun 2008 21:03
Sample : A8615703
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 3 19:07 2008

Vial: 79
Operator: JLG
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000370.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2332.D
Acq On : 2 Jun 2008 21:03
Sample : A8615703
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:08:03 2008

Vial: 79
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\060208\F2327.D (2 Jun 2008 18:50)

JHE 6/03/08

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	351153	250.00	ng	0.00 78.92%
43) CI20	Chlorobenzene-D5	6.99	82	152509	250.00	ng	0.00 80.33%
63) CI30	1,4-Dichlorobenzene-	9.44	152	177384	250.00	ng	0.00 78.23%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.80	111	110564	276.03	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	110.41%	
32) CS15	1,2-Dichloroethane-D	4.05	65	110458	257.64	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	103.06%	
44) CS05	Toluene-D8	5.63	98	391867	266.58	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	106.63%	
62) CS10	p-Bromofluorobenzene	8.20	174	142439	242.88	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	97.15%	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	11712	21.88	ng	# 62
11) C040	Carbon disulfide	2.47	76	3408	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.32	43	7912	67.96	ng	74
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	2.52	43	2184	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2332.D
Acq On : 2 Jun 2008 21:03
Sample : A8615703
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:08:03 2008

Vial: 79
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	0.00	78	0	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
~~35)~~	~~C110~~	~~2-Butanone~~	~~3.48~~	~~43~~	~~756151~~	~~3618.50 ng~~	~~46~~
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	0.00	92	0	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.62	43	2028	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	0.00	43	0	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.00	91	148	N.D.	
58)	C246	m,p-Xylene	0.00	106	0	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	0.00	91	0	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.57	105	148	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.07	105	734	N.D.	
75)	C308	sec-Butylbenzene	9.07	105	734	N.D.	
76)	C260	1,3-Dichlorobenzene	9.46	146	693	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.46	146	693	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	2265	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (50'-52')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615704

Sample wt/vol: 5.09 (g/mL) G Lab File ID: F2333.RR

Level: (low/med) LOW Date Samp/Recv: 05/29/2008 05/31/2008

% Moisture: not dec. 6 Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	26	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	6	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (50'-52')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615704

Sample wt/vol: 5.09 (g/mL) G Lab File ID: F2333.RR

Level: (low/med) LOW Date Samp/Recv: 05/29/2008 05/31/2008

% Moisture: not dec. 6 Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	26	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	16	U

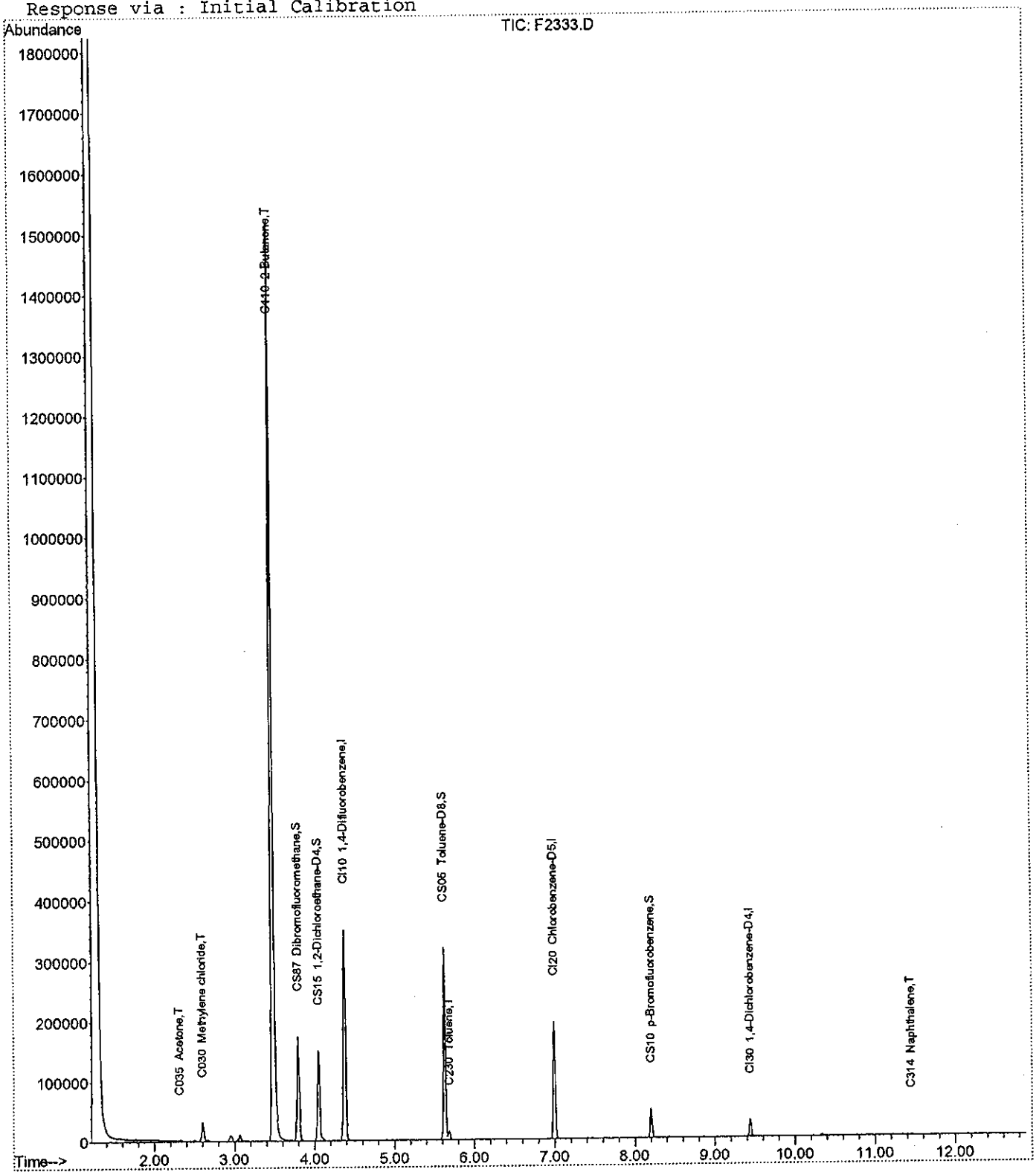
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\060208\F2333.D
Acq On : 2 Jun 2008 21:28
Sample : A8615704
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 3 19:07 2008

Vial: 80
Operator: JLG
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000370.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2333.D
Acq On : 2 Jun 2008 21:28
Sample : A8615704
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:08:08 2008

Vial: 80
Operator: JLG
Inst : HP5973F
Multiplr: 1.00

PASS = IS/SURR OUT

Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\060208\F2327.D (2 Jun 2008 18:50)

=w06/03/08

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	294284	250.00 ng	0.00 66.14%
43) CI20	Chlorobenzene-D5	6.99	82	53338	250.00 ng	0.00 28.09%
63) CI30	1,4-Dichlorobenzene-	9.45	152	8880	250.00 ng	0.00 3.92%
System Monitoring Compounds						
27) CS87	Dibromofluoromethane	3.79	111	106281	320.35 ng	0.00
Spiked Amount	250.000	Range 70 - 130		Recovery = 128.14%		
32) CS15	1,2-Dichloroethane-D	4.05	65	101213	284.60 ng	0.00
Spiked Amount	250.000	Range 64 - 126		Recovery = 113.84%		
44) CS05	Toluene-D8	5.62	98	214599	438.47 ng	0.00
Spiked Amount	250.000	Range 71 - 125		Recovery = 175.39%#		
62) CS10	p-Bromofluorobenzene	8.20	174	15942	54.48 ng	0.00
Spiked Amount	250.000	Range 72 - 126		Recovery = 21.79%#		
Target Compounds						Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.	
3) C010	Chloromethane	0.00	50	0	N.D.	
4) C020	Vinyl chloride	0.00	62	0	N.D.	
5) C015	Bromomethane	0.00	94	0	N.D.	
6) C025	Chloroethane	0.00	64	0	N.D.	
7) C275	Trichlorofluorometha	0.00	101	0	N.D.	
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.	
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.	
10) C030	Methylene chloride	2.61	84	12144	29.97 ng	# 65
11) C040	Carbon disulfide	2.47	76	484	N.D.	
12) C036	Acrolein	0.00	56	0	N.D.	
13) C038	Acrylonitrile	0.00	53	0	N.D.	
14) C035	Acetone	2.32	43	3779	38.73 ng	# 42
15) C300	Acetonitrile	0.00	41	0	N.D.	
16) C276	Iodomethane	0.00	142	0	N.D.	
17) C255	Methyl Acetate	2.50	43	3381	N.D.	
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.	
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.	
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.	
21) C125	Vinyl Acetate	0.00	43	0	N.D.	
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.	
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.	
24) C272	Tetrahydrofuran	0.00	42	0	N.D.	
25) C222	Bromochloromethane	0.00	128	0	N.D.	
26) C060	Chloroform	0.00	83	0	N.D.	
28) C256	Cyclohexane	0.00	56	0	N.D.	
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.	
30) C120	Carbon tetrachloride	0.00	117	0	N.D.	
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2333.D
Acq On : 2 Jun 2008 21:28
Sample : A8615704
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:08:08 2008

Vial: 80
Operator: JLG
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit	Qvalue
33)	C165	Benzene	4.11	78	4437	N.D.		
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.		
~~35)~~	~~C110~~	~~2-Butanone~~	~~3.48~~	~~43~~	~~1949081~~	~~11129.61~~	~~ng~~	~~46~~
36)	C150	Trichloroethene	0.00	95	0	N.D.		
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.		
38)	C012	Methylcyclohexane	0.00	83	0	N.D.		
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.		
40)	C278	Dibromomethane	0.00	93	0	N.D.		
41)	C130	Bromodichloromethane	0.00	83	0	N.D.		
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.		
45)	C230	Toluene	5.68	92	6780	22.98	ng	91
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.		
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.		
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.		
49)	C210	4-Methyl-2-pentanone	5.62	43	1025	N.D.		
50)	C220	Tetrachloroethene	0.00	166	0	N.D.		
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.		
52)	C155	Dibromochloromethane	0.00	129	0	N.D.		
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.		
54)	C215	2-Hexanone	0.00	43	0	N.D.		
55)	C235	Chlorobenzene	0.00	112	0	N.D.		
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.		
57)	C240	Ethylbenzene	0.00	91	0	N.D.		
58)	C246	m,p-Xylene	0.00	106	0	N.D.		
59)	C247	o-Xylene	0.00	106	0	N.D.		
60)	C245	Styrene	0.00	104	0	N.D.		
61)	C180	Bromoform	0.00	173	0	N.D.		
64)	C966	Isopropylbenzene	0.00	105	0	N.D.		
65)	C301	Bromobenzene	0.00	156	0	N.D.		
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.		
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.		
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.		
69)	C302	n-Propylbenzene	0.00	91	0	N.D.		
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.		
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.		
72)	C304	1,3,5-Trimethylbenze	8.58	105	131	N.D.		
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.		
74)	C307	1,2,4-Trimethylbenze	9.08	105	288	N.D.		
75)	C308	sec-Butylbenzene	9.08	105	288	N.D.		
76)	C260	1,3-Dichlorobenzene	0.00	146	0	N.D.		
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.		
78)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.		
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.		
80)	C310	n-Butylbenzene	0.00	91	0	N.D.		
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.		
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.		
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.		
~~84)~~	~~C314~~	~~Naphthalene~~	11.45	128	1746	23.93	ng	74
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.		

(#) = qualifier out of range (m) = manual integration

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (50'-52')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615704RE

Sample wt/vol: 5.04 (g/mL) G Lab File ID: F2358.RR

Level: (low/med) LOW Date Samp/Recv: 05/29/2008 05/31/2008

% Moisture: not dec. 6 Heated Purge: Y Date Analyzed: 06/04/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	12	J
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	15	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (50'-52')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615704RE

Sample wt/vol: 5.04 (g/mL) G Lab File ID: F2358.RR

Level: (low/med) LOW Date Samp/Recv: 05/29/2008 05/31/2008

% Moisture: not dec. 6 Heated Purge: Y Date Analyzed: 06/04/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

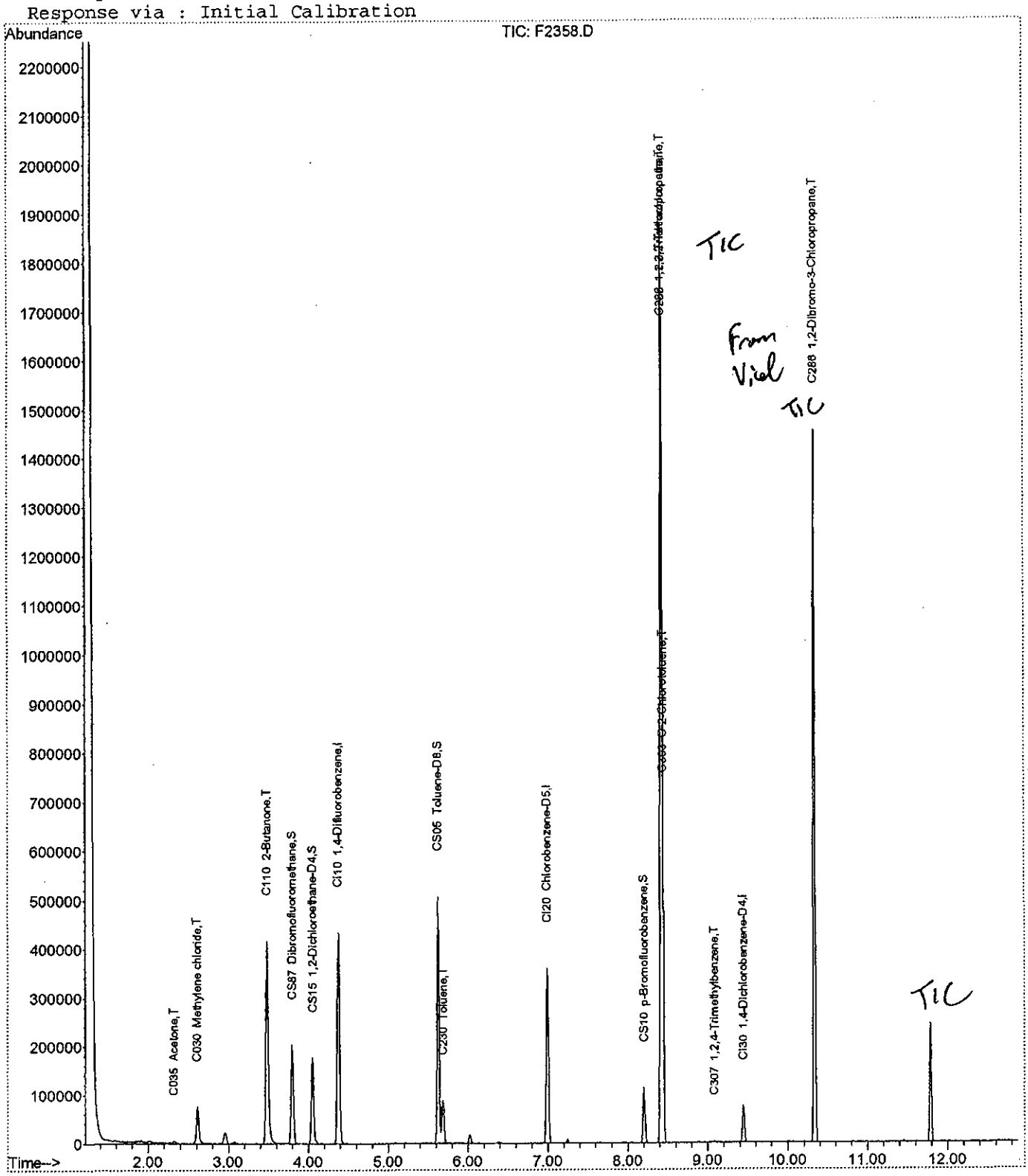
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	26	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	15	
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	16	U

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\060408\F2358.D
Acq On : 4 Jun 2008 16:14
Sample : A8615704RE
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 5 9:38 2008

Vial: 9
Operator: TRB
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000370.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Thu Jun 05 09:37:17 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\060408\F2358.D
Acq On : 4 Jun 2008 16:14
Sample : A8615704 RE
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 05 09:38:04 2008

Vial: 9
Operator: TRB
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Thu Jun 05 09:37:17 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\060408\F2351.D (4 Jun 2008 13:11)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	387383	250.00	ng	0.00
43) CI20	Chlorobenzene-D5	6.99	82	100694	250.00	ng	0.00
63) CI30	1,4-Dichlorobenzene-	9.44	152	21823	250.00	ng	0.00
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.80	111	125493	284.74	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	113.90%	
32) CS15	1,2-Dichloroethane-D	4.05	65	125811	267.01	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	106.80%	
44) CS05	Toluene-D8	5.63	98	343132	365.68	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	146.27%#	
62) CS10	p-Bromofluorobenzene	8.20	174	36971	74.73	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	29.89%#	

Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	30989	69.55	ng #	56
11) C040	Carbon disulfide	2.47	76	913	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.33	43	7215	56.18	ng	100
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	3.69	83	139	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\060408\F2358.D
Acq On : 4 Jun 2008 16:14
Sample : A8615704 RE
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 05 09:38:04 2008

Vial: 9
Operator: TRB
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Thu Jun 05 09:37:17 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.11	78	2149	N.D.			
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.			
35)	C110	2-Butanone	3.48	43	614342	2664.93	ng		46
36)	C150	Trichloroethene	0.00	95	0	N.D.			
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.			
38)	C012	Methylcyclohexane	0.00	83	0	N.D.			
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.			
40)	C278	Dibromomethane	0.00	93	0	N.D.			
41)	C130	Bromodichloromethane	0.00	83	0	N.D.			
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.			
45)	C230	Toluene	5.69	92	38525	69.16	ng		83
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.			
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.			
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.			
49)	C210	4-Methyl-2-pentanone	5.62	43	1647	N.D.			
50)	C220	Tetrachloroethene	0.00	166	0	N.D.			
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.			
52)	C155	Dibromochloromethane	0.00	129	0	N.D.			
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.			
54)	C215	2-Hexanone	6.39	43	3011	N.D.			
55)	C235	Chlorobenzene	0.00	112	0	N.D.			
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.			
57)	C240	Ethylbenzene	7.13	91	969	N.D.			
58)	C246	m,p-Xylene	7.25	106	2040	N.D.			
59)	C247	o-Xylene	7.66	106	324	N.D.			
60)	C245	Styrene	0.00	104	0	N.D.			
61)	C180	Bromoform	0.00	173	0	N.D.			
64)	C966	Isopropylbenzene	0.00	105	0	N.D.			
65)	C301	Bromobenzene	0.00	156	0	N.D.			
66)	C225	1,1,2,2-Tetrachloroe	8.43	83	750	17.14	ng	#	1
67)	C282	1,2,3-Trichloropropa	8.43	110	5413	376.89	ng		100
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.			
69)	C302	n-Propylbenzene	0.00	91	0	N.D.			
70)	C303	2-Chlorotoluene	8.45	126	617	13.13	ng		100
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.			
72)	C304	1,3,5-Trimethylbenze	8.67	105	270	N.D.			
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.			
74)	C307	1,2,4-Trimethylbenze	9.08	105	2124	13.27	ng		82
75)	C308	sec-Butylbenzene	9.08	105	2124	N.D.			
76)	C260	1,3-Dichlorobenzene	9.47	146	1125	N.D.			
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.			
78)	C267	1,4-Dichlorobenzene	9.47	146	1125	N.D.			
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.			
80)	C310	n-Butylbenzene	0.00	91	0	N.D.			
81)	C286	1,2-Dibromo-3-Chloro	10.33	75	32870	3903.79	ng	#	8
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.			
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.			
84)	C314	Naphthalene	11.45	128	2033	N.D.			
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.			

(#) = qualifier out of range (m) = manual integration

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (6'-8')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615701

Sample wt/vol: 5.20 (g/mL) G Lab File ID: F2330.RR

Level: (low/med) LOW Date Samp/Recv: 05/27/2008 05/31/2008

% Moisture: not dec. 21 Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	30	U
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	6	U
78-93-3	2-Butanone	30	U
75-15-0	Carbon Disulfide	6	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
106-93-4	1,2-Dibromoethane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	30	U
98-82-8	Isopropylbenzene	6	U
79-20-9	Methyl acetate	6	U
108-87-2	Methylcyclohexane	6	U
75-09-2	Methylene chloride	5	J

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (6'-8')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615701

Sample wt/vol: 5.20 (g/mL) G Lab File ID: F2330.RR

Level: (low/med) LOW Date Samp/Recv: 05/27/2008 05/31/2008

% Moisture: not dec. 21 Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	30	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
79-01-6	Trichloroethene	6	U
75-01-4	Vinyl chloride	12	U
1330-20-7	Total Xylenes	18	U

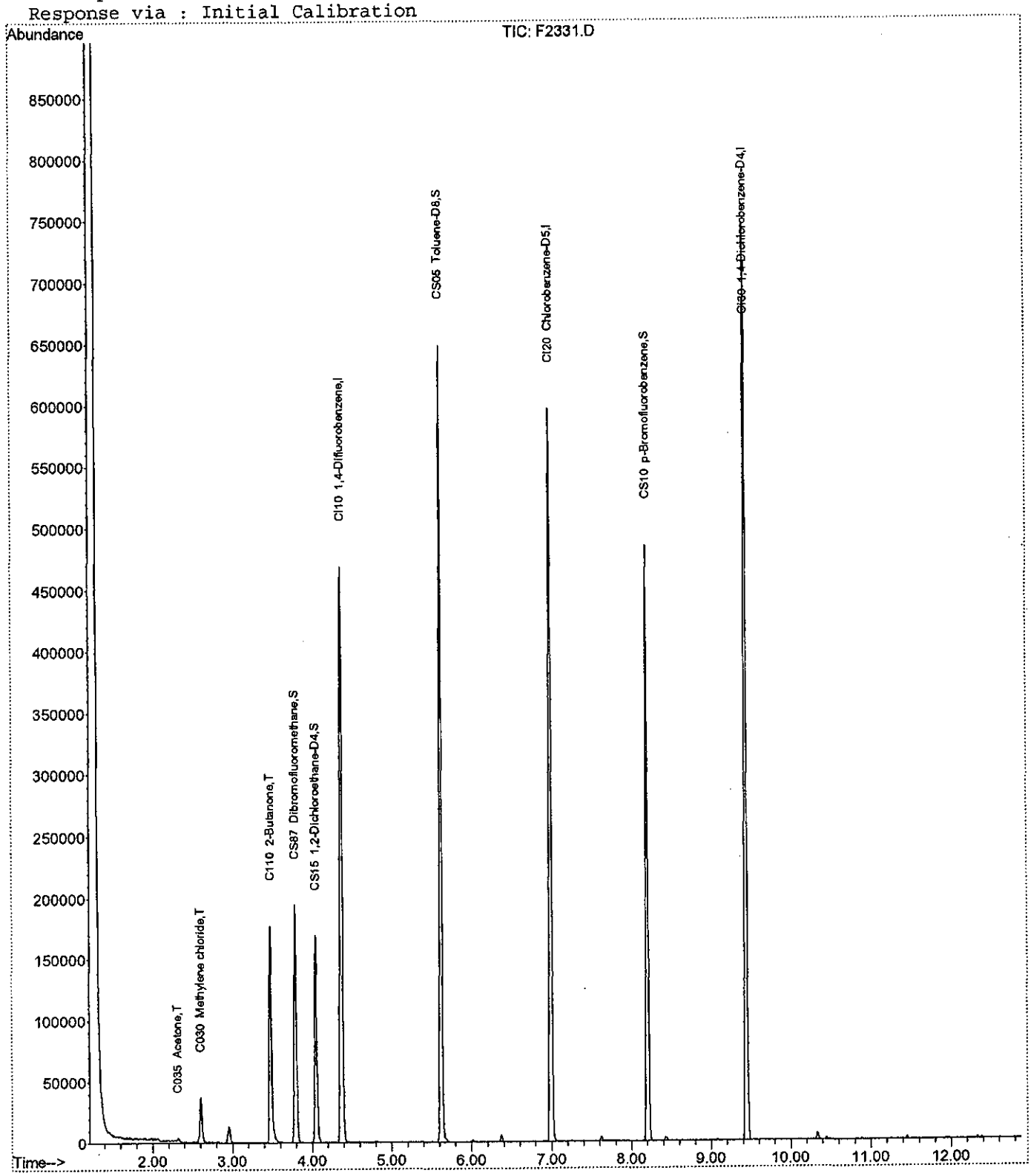
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\060208\F2331.D
Acq On : 2 Jun 2008 20:37
Sample : A8615702
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 3 19:07 2008

Vial: 78
Operator: JLG
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000370.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2331.D
Acq On : 2 Jun 2008 20:37
Sample : A8615702
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:07:58 2008

Vial: 78
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\060208\F2327.D (2 Jun 2008 18:50)

SJC 06/03/08

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	390622	250.00	ng	0.00 87.79%
43) CI20	Chlorobenzene-D5	6.99	82	169077	250.00	ng	0.00 89.05%
63) CI30	1,4-Dichlorobenzene-	9.44	152	199377	250.00	ng	0.00 87.93%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.79	111	116239	259.48	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery =	103.79%		
32) CS15	1,2-Dichloroethane-D	4.05	65	114876	238.85	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery =	95.54%		
44) CS05	Toluene-D8	5.62	98	429306	262.99	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery =	105.20%		
62) CS10	p-Bromofluorobenzene	8.20	174	153695	235.48	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery =	94.19%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	13997	24.42	ng #	65
11) C040	Carbon disulfide	0.00	76	0	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.33	43	4423	34.15	ng	87
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	2.51	43	291	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2331.D
Acq On : 2 Jun 2008 20:37
Sample : A8615702
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:07:58 2008

Vial: 78
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	0.00	78	0	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	3.48	43	238643	1026.62 ng	46
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.68	92	391	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.62	43	1890	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	6.37	43	986	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.25	91	1056	N.D.	
58)	C246	m,p-Xylene	0.00	106	0	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	0.00	91	0	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.56	105	129	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	700	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	700	N.D.	
76)	C260	1,3-Dichlorobenzene	9.47	146	1123	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.47	146	1123	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.46	128	2736	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Level (low/med): LOW

	Client Sample ID	Lab Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#						TOT OUT
1	MSB04	A8B1643501	100		103		108							0
2	MSB05	A8B1654601	102		106		109							0
3	MW-14 (10'-12')	A8615702	94		96		105							0
4	MW-14 (16'-18')	A8615703	97		103		107							0
5	MW-14 (50'-52')	A8615704	22	*	114		175	*						2
6	MW-14 (50'-52')	A8615704RE	30	*	107		146	*						2
7	MW-14 (6'-8')	A8615701	100		104		107							0
8	VBLK04	A8B1643502	100		99		111							0
9	VBLK05	A8B1654602	99		99		107							0

QC LIMITS

BFB = p-Bromofluorobenzene (72-126)
DCE = 1,2-Dichloroethane-D4 (61-136)
TOL = Toluene-D8 (71-125)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B1643502

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: VBLK04 Level: (low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	MSB CONCENTRATION UG/KG	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	55.0	110	65 - 146
Trichloroethene	50.0	47.9	96	74 - 127
Benzene	50.0	47.4	95	74 - 128
Toluene	50.0	46.6	93	74 - 123
Chlorobenzene	50.0	46.9	94	76 - 124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B1654602

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: VBLK05 Level: (low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	MSB CONCENTRATION UG/KG	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	54.9	110	65 - 146
Trichloroethene	50.0	52.7	105	74 - 127
Benzene	50.0	53.2	106	74 - 128
Toluene	50.0	52.6	105	74 - 123
Chlorobenzene	50.0	52.5	105	76 - 124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK04

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F2329.RR Lab Sample ID: A8B1643502

Date Analyzed: 06/02/2008 Time Analyzed: 19:42

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	MSB04	A8B1643501	F2328.RR	19:16
2	MW-14 (10'-12')	A8615702	F2331.RR	20:37
3	MW-14 (16'-18')	A8615703	F2332.RR	21:03
4	MW-14 (50'-52')	A8615704	F2333.RR	21:28
5	MW-14 (6'-8')	A8615701	F2330.RR	20:12

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.
VBLK05

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F2354.RR Lab Sample ID: A8B1654602

Date Analyzed: 06/04/2008 Time Analyzed: 14:29

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	MSB05	A8B1654601	F2353.RR	14:03
2	MW-14 (50'-52')	A8615704RE	F2358.RR	16:14

Comments: _____

ARCADIS GERAGHTY & MILLER
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0001463

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F2259 BFB Injection Date: 05/25/2008

Instrument ID: HP5973F BFB Injection Time: 09:15

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N): Y

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	19.8		
75	30.0 - 60.0% of mass 95	41.3		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	7.9		
173	Less than 2.0% of mass 174	0.7	(0.7)	1
174	50 - 120 % of mass 95	98.5		
175	5.0 - 9.0% of mass 174	7.4	(7.5)	1
176	95.0 - 101.0% of mass 174	94.8	(96.2)	1
177	5.0 - 9.0% of mass 176	6.8	(7.2)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD005	A8I0000370-1	F2265.RR	05/25/2008	13:35
2	VSTD020	A8I0000370-1	F2267.RR	05/25/2008	14:30
3	VSTD050	A8I0000370-1	F2268.RR	05/25/2008	14:55
4	VSTD100	A8I0000370-1	F2269.RR	05/25/2008	15:21
5	VSTD200	A8I0000370-1	F2270.RR	05/25/2008	15:47

ARCADIS GERAGHTY & MILLER
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0001559

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F2325 BFB Injection Date: 06/02/2008

Instrument ID: HP5973F BFB Injection Time: 17:59

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N): Y

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	22.3		
75	30.0 - 60.0% of mass 95	44.8		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	5.9		
173	Less than 2.0% of mass 174	0.4	(0.4)	1
174	50 - 120 % of mass 95	98.8		
175	5.0 - 9.0% of mass 174	7.2	(7.3)	1
176	95.0 - 101.0% of mass 174	98.2	(99.4)	1
177	5.0 - 9.0% of mass 176	7.1	(7.2)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD050	A8C0001317-1	F2327.RR	06/02/2008	18:50
2	MSB04	A8B1643501	F2328.RR	06/02/2008	19:16
3	VBLK04	A8B1643502	F2329.RR	06/02/2008	19:42
4	MW-14 (6'-8')	A8615701	F2330.RR	06/02/2008	20:12
5	MW-14 (10'-12')	A8615702	F2331.RR	06/02/2008	20:37
6	MW-14 (16'-18')	A8615703	F2332.RR	06/02/2008	21:03
7	MW-14 (50'-52')	A8615704	F2333.RR	06/02/2008	21:28

ARCADIS GERAGHTY & MILLER
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0001579

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F2349 BFB Injection Date: 06/04/2008

Instrument ID: HP5973F BFB Injection Time: 12:32

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N): Y

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	24.9		
75	30.0 - 60.0% of mass 95	46.9		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	7.2		
173	Less than 2.0% of mass 174	0.5	(0.5)	1
174	50 - 120 % of mass 95	91.1		
175	5.0 - 9.0% of mass 174	6.6	(7.2)	1
176	95.0 - 101.0% of mass 174	91.7	(100.7)	1
177	5.0 - 9.0% of mass 176	6.0	(6.5)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD050	A8C0001335-1	F2351.RR	06/04/2008	13:11
2	MSB05	A8B1654601	F2353.RR	06/04/2008	14:03
3	VBLK05	A8B1654602	F2354.RR	06/04/2008	14:29
4	MW-14 (50'-52')	A8615704RE	F2358.RR	06/04/2008	16:14

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000370-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Intrument ID: HP5973F_____ Calibration Dates(s): 05/25/2008 05/25/2008

Heated Purge (Y/N): Y Calibration Times: 13:35 15:47

GC Column: ZB-624 ID: 0.20(mm)

Lab File ID: RRF5 = F2265.RR RRF20 = F2267.RR
RRF50 = F2268.RR RRF100 = F2269.RR RRF200 = F2270.RR

COMPOUND		RRF5	RRF20	RRF50	RRF100	RRF200	AVG RRF	% RSD	
Chloromethane	#	0.411	0.397	0.387	0.423	0.390	0.4010	3.700	#
Bromomethane		0.123	0.123	0.121	0.129	0.123	0.1240	2.400	
Vinyl chloride	*	0.335	0.323	0.329	0.342	0.305	0.3270	4.400	*
Chloroethane		0.110	0.114	0.110	0.113	0.111	0.1120	1.600	
Methylene chloride		0.359	0.257	0.252	0.261	0.246	0.2750	17.300	
Acetone		0.092	0.094	0.080	0.083	0.067	0.0830	13.000	
Carbon Disulfide		0.698	0.613	0.661	0.696	0.657	0.6650	5.200	
1,1-Dichloroethene	*	0.188	0.174	0.193	0.194	0.176	0.1850	5.100	*
1,1-Dichloroethane	#	0.464	0.428	0.457	0.486	0.462	0.4590	4.500	#
cis-1,2-Dichloroethene		0.279	0.254	0.269	0.284	0.272	0.2720	4.200	
trans-1,2-Dichloroethene		0.239	0.227	0.234	0.254	0.244	0.2400	4.200	
Chloroform	*	0.422	0.384	0.400	0.426	0.407	0.4080	4.100	*
1,2-Dichloroethane		0.379	0.366	0.371	0.374	0.350	0.3680	3.000	
2-Butanone		0.153	0.162	0.146	0.156	0.126	0.1490	9.300	
1,1,1-Trichloroethane		0.318	0.303	0.339	0.367	0.351	0.3360	7.500	
Carbon Tetrachloride		0.275	0.239	0.284	0.322	0.317	0.2870	11.700	
Bromodichloromethane		0.300	0.281	0.298	0.322	0.309	0.3020	5.000	
1,2-Dichloropropane	*	0.281	0.254	0.263	0.281	0.274	0.2710	4.300	*
cis-1,3-Dichloropropene		0.332	0.321	0.357	0.385	0.380	0.3550	8.000	
Trichloroethene		0.240	0.219	0.230	0.249	0.240	0.2350	4.900	
Dibromochloromethane		0.523	0.509	0.555	0.620	0.593	0.5600	8.200	
1,1,2-Trichloroethane		0.379	0.378	0.394	0.402	0.376	0.3860	3.000	
Benzene		0.906	0.858	0.896	0.950	0.915	0.9050	3.600	
trans-1,3-Dichloropropene		0.590	0.611	0.710	0.792	0.783	0.6970	13.500	
Bromoform	#	0.392	0.404	0.435	0.486	0.461	0.4350	8.900	#
4-Methyl-2-pentanone		0.729	0.829	0.733	0.791	0.636	0.7440	9.800	
2-Hexanone		0.489	0.565	0.511	0.549	0.442	0.5110	9.600	
Tetrachloroethene		0.645	0.600	0.627	0.679	0.644	0.6390	4.500	
1,1,2,2-Tetrachloroethane	#	0.467	0.523	0.511	0.529	0.476	0.5010	5.600	#
Toluene	*	1.396	1.330	1.345	1.443	1.402	1.3830	3.300	*
Chlorobenzene	#	1.710	1.663	1.648	1.748	1.712	1.6960	2.400	#
Ethylbenzene	*	2.715	2.604	2.630	2.807	2.691	2.6900	3.000	*
Styrene		1.763	1.715	1.783	1.913	1.856	1.8060	4.300	
Total Xylenes		1.079	0.999	1.032	1.136	1.096	1.0680	5.000	
1,1,2-Trichloro-1,2,2-trifl		0.215	0.206	0.221	0.225	0.209	0.2150	3.800	
1,2,4-Trichlorobenzene		0.995	0.914	0.957	1.023	0.920	0.9620	4.900	
1,2-Dibromo-3-chloropropane		0.080	0.095	0.100	0.114	0.095	0.0960	12.700	

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000370-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Intrument ID: HP5973F Calibration Dates(s): 05/25/2008 05/25/2008

Heated Purge (Y/N): Y Calibration Times: 13:35 15:47

GC Column: ZB-624 ID: 0.20(mm)

Lab File ID: RRF5 = F2265.RR RRF20 = F2267.RR
RRF50 = F2268.RR RRF100 = F2269.RR RRF200 = F2270.RR

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	AVG RRF	% RSD
1,2-Dibromoethane	0.490	0.527	0.521	0.536	0.495	0.5140	4.000
1,2-Dichlorobenzene	1.203	1.127	1.165	1.211	1.129	1.1670	3.400
1,3-Dichlorobenzene	1.187	1.106	1.148	1.183	1.129	1.1510	3.000
1,4-Dichlorobenzene	1.244	1.150	1.160	1.208	1.153	1.1830	3.500
Cyclohexane	0.465	0.438	0.479	0.497	0.468	0.4690	4.600
Dichlorodifluoromethane	0.162	0.207	0.216	0.225	0.199	0.2020	11.900
Methyl acetate	0.368	0.397	0.361	0.389	0.326	0.3680	7.600
Trichlorofluoromethane	0.355	0.349	0.352	0.362	0.326	0.3490	3.800
Methyl-t-Butyl Ether (MTBE)	0.694	0.689	0.675	0.728	0.667	0.6900	3.400
Isopropylbenzene	2.084	1.911	2.024	2.145	2.063	2.0450	4.200
Methylcyclohexane	0.355	0.352	0.372	0.391	0.379	0.3700	4.400
Toluene-D8	4.545	2.493	2.612	2.352	2.166	2.8340	34.300
p-Bromofluorobenzene	1.783	1.009	1.000	0.934	0.862	1.1170	33.700
1,2-Dichloroethane-D4	0.526	0.330	0.315	0.301	0.278	0.3500	28.700

Comments:

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001317-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: F2327.RR Calibration Date: 06/02/2008 Time: 18:50

Intrument ID: HP5973F Init. Calib. Date(s): 05/25/2008 05/25/2008

Heated Purge (Y/N): Y Init. Calib. Times: 13:35 15:47

GC Column: ZB-624 ID: 0.20(mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
Chloromethane	0.4010	0.3741	0.1000	6.700	100.00
Bromomethane	0.1240	0.1202		3.100	100.00
Vinyl chloride	0.3270	0.2834		13.300	20.00
Chloroethane	0.1120	0.1097		2.000	100.00
Methylene chloride	0.2750	0.2389		13.100	100.00
Acetone	0.0830	0.0761		8.300	100.00
Carbon Disulfide	0.6650	0.6409		3.600	100.00
1,1-Dichloroethene	0.1850	0.1871	0.1000	-1.100	20.00
1,1-Dichloroethane	0.4590	0.4169	0.3000	9.200	100.00
cis-1,2-Dichloroethene	0.2720	0.2400		11.800	100.00
trans-1,2-Dichloroethene	0.2400	0.2195		8.500	100.00
Chloroform	0.4080	0.3646		10.600	20.00
1,2-Dichloroethane	0.3680	0.3249		11.700	100.00
2-Butanone	0.1490	0.1320		11.400	100.00
1,1,1-Trichloroethane	0.3360	0.3212		4.400	100.00
Carbon Tetrachloride	0.2870	0.2719		5.300	100.00
Bromodichloromethane	0.3020	0.2738		9.300	100.00
1,2-Dichloropropane	0.2710	0.2410		11.100	20.00
cis-1,3-Dichloropropene	0.3550	0.3270		7.900	100.00
Trichloroethene	0.2350	0.2172		7.600	100.00
Dibromochloromethane	0.5600	0.5365		4.200	100.00
1,1,2-Trichloroethane	0.3860	0.3538		8.300	100.00
Benzene	0.9050	0.8199		9.400	100.00
trans-1,3-Dichloropropene	0.6970	0.6641		4.700	100.00
Bromoform	0.4350	0.3837	0.1000	11.800	100.00
4-Methyl-2-pentanone	0.7440	0.6685		10.100	100.00
2-Hexanone	0.5110	0.4634		9.300	100.00
Tetrachloroethene	0.6390	0.5926		7.300	100.00
1,1,2,2-Tetrachloroethane	0.5010	0.4811	0.3000	4.000	100.00
Toluene	1.3830	1.2623		8.700	20.00
Chlorobenzene	1.6960	1.5479	0.3000	8.700	100.00
Ethylbenzene	2.6900	2.4825		7.700	20.00
Styrene	1.8060	1.6095		10.900	100.00
Total Xylenes	1.0680	0.9693		9.200	100.00
1,1,2-Trichloro-1,2,2-trifluoro	0.2150	0.2113		1.700	100.00
1,2,4-Trichlorobenzene	0.9620	0.9554		0.700	100.00
1,2-Dibromo-3-chloropropane	0.0960	0.0948		1.200	100.00
1,2-Dibromoethane	0.5140	0.4523		12.000	100.00
1,2-Dichlorobenzene	1.1670	1.1439		2.000	100.00

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001317-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: F2327.RR Calibration Date: 06/02/2008 Time: 18:50

Intrument ID: HP5973F Init. Calib. Date(s): 05/25/2008 05/25/2008

Heated Purge (Y/N): Y Init. Calib. Times: 13:35 15:47

GC Column: ZB-624 ID: 0.20(mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
1,3-Dichlorobenzene	1.1510	1.1452		0.500	100.00
1,4-Dichlorobenzene	1.1830	1.1682		1.200	100.00
Cyclohexane	0.4690	0.4506		3.900	100.00
Dichlorodifluoromethane	0.2020	0.1633		19.200	100.00
Methyl acetate	0.3680	0.4006		-8.800	100.00
Trichlorofluoromethane	0.3490	0.3694		-5.800	100.00
Methyl-t-Butyl Ether (MTBE)	0.6900	0.6087		11.800	100.00
Isopropylbenzene	2.0450	2.0126		1.600	100.00
Methylcyclohexane	0.3700	0.3467		6.300	100.00
Toluene-D8	2.8340	2.6491		6.500	100.00
p-Bromofluorobenzene	1.1170	0.9500		15.000	100.00
1,2-Dichloroethane-D4	0.3500	0.3194		8.700	100.00

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001335-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: F2351.RR Calibration Date: 06/04/2008 Time: 13:11

Intrument ID: HP5973F Init. Calib. Date(s): 05/25/2008 05/25/2008

Heated Purge (Y/N): Y Init. Calib. Times: 13:35 15:47

GC Column: ZB-624 ID: 0.20 (mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
Chloromethane	0.4010	0.3778	0.1000	5.800	100.00
Bromomethane	0.1240	0.1210		2.400	100.00
Vinyl chloride	0.3270	0.3068		6.200	20.00
Chloroethane	0.1120	0.1074		4.100	100.00
Methylene chloride	0.2750	0.2757		-0.300	100.00
Acetone	0.0830	0.0995		-19.900	100.00
Carbon Disulfide	0.6650	0.6940		-4.400	100.00
1,1-Dichloroethene	0.1850	0.2154	0.1000	-16.400	20.00
1,1-Dichloroethane	0.4590	0.4945	0.3000	-7.700	100.00
cis-1,2-Dichloroethene	0.2720	0.2899		-6.600	100.00
trans-1,2-Dichloroethene	0.2400	0.2642		-10.100	100.00
Chloroform	0.4080	0.4324		-6.000	20.00
1,2-Dichloroethane	0.3680	0.3821		-3.800	100.00
2-Butanone	0.1490	0.1752		-17.600	100.00
1,1,1-Trichloroethane	0.3360	0.3447		-2.600	100.00
Carbon Tetrachloride	0.2870	0.2808		2.200	100.00
Bromodichloromethane	0.3020	0.3148		-4.200	100.00
1,2-Dichloropropane	0.2710	0.2836		-4.600	20.00
cis-1,3-Dichloropropene	0.3550	0.3862		-8.800	100.00
Trichloroethene	0.2350	0.2577		-9.600	100.00
Dibromochloromethane	0.5600	0.5806		-3.700	100.00
1,1,2-Trichloroethane	0.3860	0.4166		-7.900	100.00
Benzene	0.9050	0.9768		-7.900	100.00
trans-1,3-Dichloropropene	0.6970	0.7441		-6.800	100.00
Bromoform	0.4350	0.3984	0.1000	8.400	100.00
4-Methyl-2-pentanone	0.7440	0.8439		-13.400	100.00
2-Hexanone	0.5110	0.5904		-15.500	100.00
Tetrachloroethene	0.6390	0.7094		-11.000	100.00
1,1,2,2-Tetrachloroethane	0.5010	0.5883	0.3000	-17.400	100.00
Toluene	1.3830	1.4847		-7.400	20.00
Chlorobenzene	1.6960	1.8041	0.3000	-6.400	100.00
Ethylbenzene	2.6900	2.8181		-4.800	20.00
Styrene	1.8060	1.9083		-5.700	100.00
Total Xylenes	1.0680	1.0996		-3.000	100.00
1,1,2-Trichloro-1,2,2-trifluoro	0.2150	0.2204		-2.500	100.00
1,2,4-Trichlorobenzene	0.9620	1.0832		-12.600	100.00
1,2-Dibromo-3-chloropropane	0.0960	0.1035		-7.800	100.00
1,2-Dibromoethane	0.5140	0.5464		-6.300	100.00
1,2-Dichlorobenzene	1.1670	1.2876		-10.300	100.00

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001335-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: F2351.RR Calibration Date: 06/04/2008 Time: 13:11

Intrument ID: HP5973F Init. Calib. Date(s): 05/25/2008 05/25/2008

Heated Purge (Y/N): Y Init. Calib. Times: 13:35 15:47

GC Column: ZB-624 ID: 0.20(mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
1,3-Dichlorobenzene	1.1510	1.3136		-14.100	100.00
1,4-Dichlorobenzene	1.1830	1.3537		-14.400	100.00
Cyclohexane	0.4690	0.4821		-2.800	100.00
Dichlorodifluoromethane	0.2020	0.1760		12.900	100.00
Methyl acetate	0.3680	0.4160		-13.000	100.00
Trichlorofluoromethane	0.3490	0.3624		-3.800	100.00
Methyl-t-Butyl Ether (MTBE)	0.6900	0.7846		-13.700	100.00
Isopropylbenzene	2.0450	2.0601		-0.700	100.00
Methylcyclohexane	0.3700	0.3884		-5.000	100.00
Toluene-D8	2.8340	2.5192		11.100	100.00
p-Bromofluorobenzene	1.1170	0.9328		16.500	100.00
1,2-Dichloroethane-D4	0.3500	0.3205		8.400	100.00

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0001317

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): F2327.RR Date Analyzed: 06/02/2008

Instrument ID: HP5973F Time Analyzed: 18:50

GC Column(1): ZB-624 ID: 0.200(mm) Heated Purge: (Y/N) Y

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		189862		6.99		226752		9.44		444961		4.38	
	UPPER LIMIT		379724		7.49		453504		9.94		889922		4.88	
	LOWER LIMIT		94931		6.49		113376		8.94		222481		3.88	
	CLIENT SAMPLE	Lab Sample ID												
1	MSB04	A8B1643501	187785		6.99		229308		9.44		431243		4.38	
2	MW-14 (10'-12')	A8615702	169077		6.99		199377		9.44		390622		4.38	
3	MW-14 (16'-18')	A8615703	152509		6.99		177384		9.44		351153		4.38	
4	MW-14 (50'-52')	A8615704	53338	*	6.99		8880	*	9.45		294284		4.38	
5	MW-14 (6'-8')	A8615701	170033		6.99		207039		9.44		393314		4.38	
6	VBLK04	A8B1643502	172337		6.99		212221		9.44		405553		4.38	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0001335

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): F2351.RR Date Analyzed: 06/04/2008

Instrument ID: HP5973F Time Analyzed: 13:11

GC Column(1): ZB-624 ID: 0.200(mm) Heated Purge: (Y/N) Y

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		208011		6.99		249651		9.44		475725		4.38	
	UPPER LIMIT		416022		7.49		499302		9.94		951450		4.88	
	LOWER LIMIT		104006		6.49		124826		8.94		237863		3.88	
	CLIENT SAMPLE	Lab Sample ID												
1	MSB05	A8B1654601	207777		6.99		254387		9.44		486920		4.38	
2	MW-14 (50'-52')	A8615704RE	100694	*	6.99		21823	*	9.44		387383		4.38	
3	VBLK05	A8B1654602	198071		6.99		232315		9.44		457033		4.38	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
05/30/08	0835	JW	F2320	A8 567607	5676	5.0mL	5.00g	—
5/30/08	1139	"	F2321	IBLK	—	5 mL	—	"
	1215		F2322	A8560501	5605		5.00	
	1241		F2323	02			5.00	
	1307		F2324	03			5.00	
06/02/08	1759	JW	F2325	0602 BFB F1	Qc	1mL	—	—
	1825		F2326	A00050		5.0mL	5.00g	
	1850		F2327	VSTD050				
	1916		F2328	BFB F11				
	1942		F2329	VBLK04				
	2012		F2330	A8615701	6157		5.00	
	2037		F2331	02			5.00	
	2103		F2332	03			5.08	
	2128		F2333	04			5.09	
	2154		F2334	A8616201	6162		5.06	
	2220		F2335	02			5.00	
	2246		F2336	03			5.00	
	2311		F2337	04			5.05	
	2337		F2338	05			5.01	
06/03/08	0003		F2339	05MS			5.08	
	0028		F2340	05SD			5.04	
	0054		F2341	A8615901	6159		5.11	
	0119		F2342	01FD			5.02	
	0145		F2343	02			5.06	
	0211		F2344	02MS			5.11	
	0236		F2345	02SD			5.10	
	0302		F2346	03			5.06	
	0327		F2347	04			5.00	
	0353		F2348	05			5.09	

REVIEWED BY_____ PAGE _____

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

STD #	IS/SS MIX #	Retest	pH <2	Comments
	IS10 DL/VT			
WS1 AF-2				PASS
WS5 AF-10, WS5 AB-5	IS10 DL/VT			8260 soil ADD (A8E...0325)
WS6 AF-3, WS12 AB-1, WS13 AV-7				8260 soils (A8E...0370)
WS19 AB-2, WS19 AR-2				
		Y		RASy Surrogate
		Y		RASy - bad purge
WS3 AF-7				
WS3 AF-7		Y		RASy - bad purge
		Y		RASy - IS out

REVIEWED BY_____ PAGE_____

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
05/30/08	0825	JW	F2320	A8 567607	5676	5.0mL	5.00g	—
5/30/08	1139	TRB	F2321	IBLK	—	5 mL	—	—
	1215		F2322	A8560501	5605		5.00	
	1241		F2323	02			5.00	
	1307		F2324	03			5.00	
06/02/08	1759	JW	F2325	0602 BFB F1	QC	1mL	—	—
	1825		F2326	A00050		5.0mL	5.00g	
	1850		F2327	VSTD050				
	1916		F2328	MSB Full				
	1942		F2329	VBLK04				
	2012		F2330	A8615701	6157		5.20	
	2037		F2331	02			5.00	
	2103		F2332	03			5.18	
	2128		F2333	04			5.09	
	2154		F2334	A8616201	6162		5.06	
	2220		F2335	02			5.00	
	2246		F2336	03			5.00	
	2311		F2337	04			5.05	
	2337		F2338	05			5.01	
06/03/08	0003		F2339	05mr			5.08	
	0028		F2340	0550			5.04	
	0054		F2341	A8615901	6159		5.11	
	0119		F2342	01FD			5.02	
	0145		F2343	02			5.06	
	0211		F2344	02MI			5.11	
	0236		F2345	0250			5.10	
	0302		F2346	03			5.06	
	0327		F2347	04			5.00	
	0353		F2348	05			5.09	
6/4/08	1232	JW3	F2349	0604BFBF1	QC	1mL	—	—
	—		F2350	VSTD050 (W)		5mL	5.00g	
	1311		F2351	VSTD050				
	1338		F2352	ADD050				
	1403		F2353	MSB FULL				
	1429		F2354	VBLK05				
	1457		F2355	A8616203	6162		5.16	
	1523		F2356	A8615902	6159		5.02	
	1548		F2357	04	L		5.15	

REVIEWED BY_____ PAGE _____

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

STD #	IS/SS MIX #	ReRun?	pH <2	Comments
—	IS/SS 10 DL/VT			
WS1 AF-2				PASS
WS5 AF-10, WS5 AG-5	IS/SS 10 DL/VT			8260 soil ADD (A8J... 0325)
WS6 AF-7, WS12 AG-1, WS13 AV-7				8260 soil (A8J... 0370)
WS19 AG-2, WS19 AR-2				
		Y		RASH Jr bubble out
		Y		RASH - bad purge
WS3 AF-7				
		Y		RASH - bad purge
WS3 AF-7				
		Y		RASH - Jr out
WS1 AF-2	IS/SS 10 DL/VT			Pass
				16 Good 1,1-DCE ↑
WS6 AF-7, WS12 AG-1, WS13 AV-7				A8J... 0370 (8260 Soil)
WS5 AF-10, WS5 AG-5				A8J... 0325 (ADD Soil)
WS19 AG-2, WS19 AR-2				

REVIEWED BY_____ PAGE _____

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
6/4/04	1614	TRB	F2358	~~A86157~~04RE	6157	~~5mL~~	~~5.04~~	—
	1640		F2359	IBLK	—		—	—
	1705		F2360	A86226 04	6226		5.00	1
	1731		F2361	12			5.00	1
	1757		F2362	01			5.26	1
	1822		F2363	01MS			5.22	1
	1848		F2364	01SD			4.99	1
	1914		F2365	02			5.12	1
	1939		F2366	03			5.05	1
	2005		F2367	05			5.06	1
	2031		F2368	06			5.08	1
	2056		F2369	07			5.05	1
	2122		F2370	08			5.02	1
	2147		F2371	09			5.08	1
	2213		F2372	10			5.00	1
	2239		F2373	11			5.21	1

REVIEWED BY_____ PAGE_____

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

STD #	IS/SS MIX #	ReRun?	pH <2	Comments
	15510 DL/Mz		—	Confirms base
			—	
			✓	
			✓	
			—	
1S3 1F-7				

REVIEWED BY_____ PAGE_____

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (10'-12')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615702

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F2331.RR

Level: (low/med) LOW Date Samp/Recv: 05/27/2008 05/31/2008

% Moisture: not dec. 10 Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	8	J
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	6	U
78-93-3	2-Butanone	28	U
75-15-0	Carbon Disulfide	6	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
106-93-4	1,2-Dibromoethane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	28	U
98-82-8	Isopropylbenzene	6	U
79-20-9	Methyl acetate	6	U
108-87-2	Methylcyclohexane	6	U
75-09-2	Methylene chloride	5	J

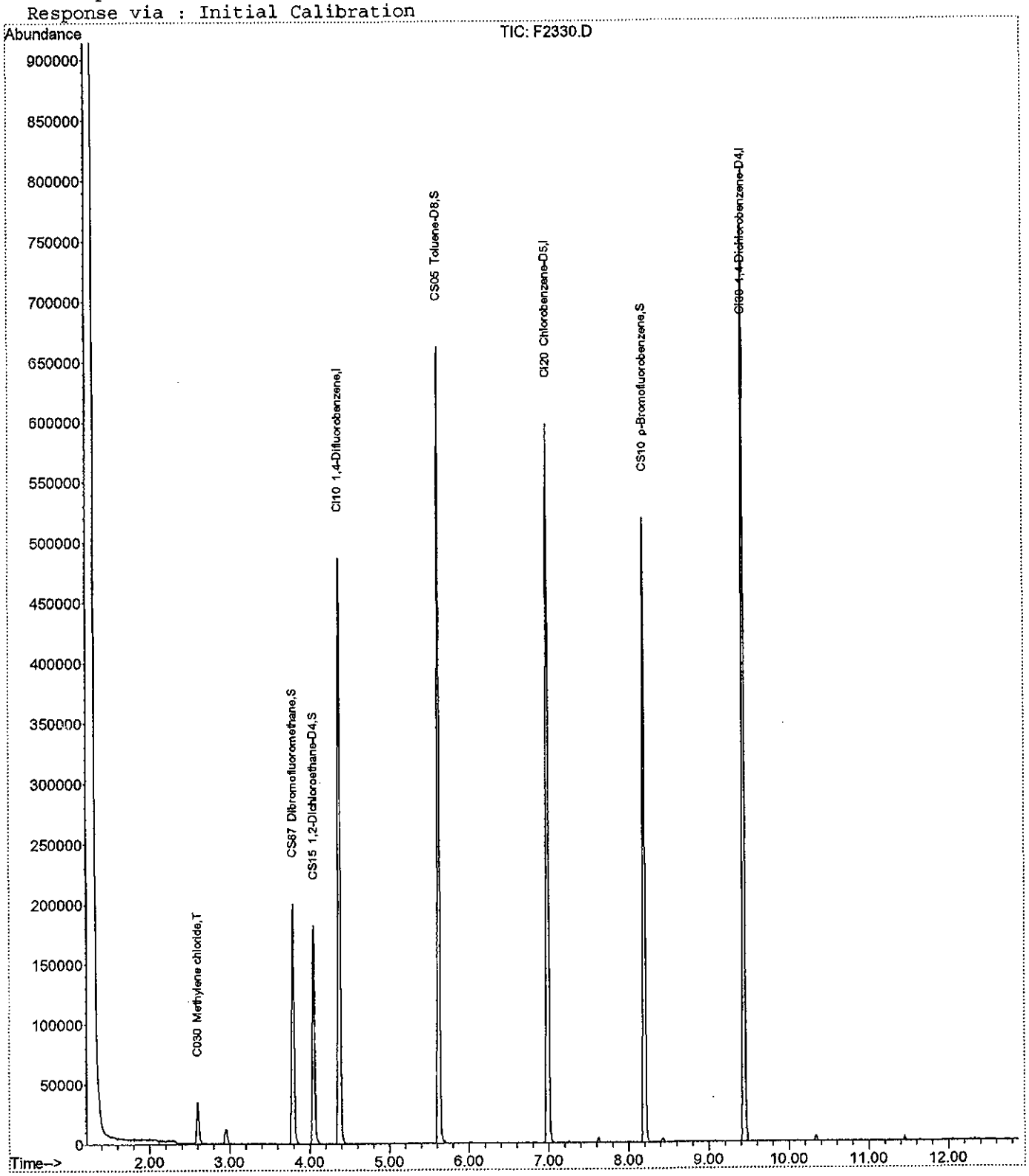
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\060208\F2330.D
Acq On : 2 Jun 2008 20:12
Sample : A8615701
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 3 19:07 2008

Vial: 77
Operator: JLG
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000370.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2330.D
Acq On : 2 Jun 2008 20:12
Sample : A8615701
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:07:54 2008

Vial: 77
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\060208\F2327.D (2 Jun 2008 18:50)

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	393314	250.00 ng	0.00 88.39%
43) CI20	Chlorobenzene-D5	6.99	82	170033	250.00 ng	0.00 89.56%
63) CI30	1,4-Dichlorobenzene-	9.44	152	207039	250.00 ng	0.00 91.31%
System Monitoring Compounds						
27) CS87	Dibromofluoromethane	3.80	111	121119	269.41 ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	= 107.76%	
32) CS15	1,2-Dichloroethane-D	4.05	65	124666	259.85 ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	= 103.94%	
44) CS05	Toluene-D8	5.63	98	438710	267.85 ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	= 107.14%	
62) CS10	p-Bromofluorobenzene	8.20	174	163121	250.41 ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	= 100.16%	
Target Compounds						Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.	
3) C010	Chloromethane	0.00	50	0	N.D.	
4) C020	Vinyl chloride	0.00	62	0	N.D.	
5) C015	Bromomethane	0.00	94	0	N.D.	
6) C025	Chloroethane	0.00	64	0	N.D.	
7) C275	Trichlorofluorometha	0.00	101	0	N.D.	
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.	
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.	
10) C030	Methylene chloride	2.61	84	13418	22.66 ng	# 74
11) C040	Carbon disulfide	0.00	76	0	N.D.	
12) C036	Acrolein	0.00	56	0	N.D.	
13) C038	Acrylonitrile	0.00	53	0	N.D.	
14) C035	Acetone	2.33	43	1034	N.D.	
15) C300	Acetonitrile	0.00	41	0	N.D.	
16) C276	Iodomethane	0.00	142	0	N.D.	
17) C255	Methyl Acetate	0.00	43	0	N.D.	
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.	
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.	
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.	
21) C125	Vinyl Acetate	0.00	43	0	N.D.	
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.	
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.	
24) C272	Tetrahydrofuran	0.00	42	0	N.D.	
25) C222	Bromochloromethane	0.00	128	0	N.D.	
26) C060	Chloroform	0.00	83	0	N.D.	
28) C256	Cyclohexane	0.00	56	0	N.D.	
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.	
30) C120	Carbon tetrachloride	0.00	117	0	N.D.	
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2330.D
Acq On : 2 Jun 2008 20:12
Sample : A8615701
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:07:54 2008

Vial: 77
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	0.00	78	0	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	0.00	43	0	N.D.	
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.69	92	723	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.63	43	1880	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	0.00	43	0	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.25	91	1050	N.D.	
58)	C246	m,p-Xylene	7.25	106	402	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	0.00	91	0	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.60	105	586	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	685	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	685	N.D.	
76)	C260	1,3-Dichlorobenzene	9.47	146	1076	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.47	146	1076	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	9.83	91	143	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	11.26	180	435	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	3805	N.D.	
85)	C934	1,2,3-Trichlorobenze	11.64	180	286	N.D.	

(#) = qualifier out of range (m) = manual integration

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (16'-18')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615703

Sample wt/vol: 5.18 (g/mL) G Lab File ID: F2332.RR

Level: (low/med) LOW Date Samp/Recv: 05/27/2008 05/31/2008

% Moisture: not dec. 8 Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	26	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (16'-18')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615703

Sample wt/vol: 5.18 (g/mL) G Lab File ID: F2332.RR

Level: (low/med) LOW Date Samp/Recv: 05/27/2008 05/31/2008

% Moisture: not dec. 8 Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	26	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	16	U

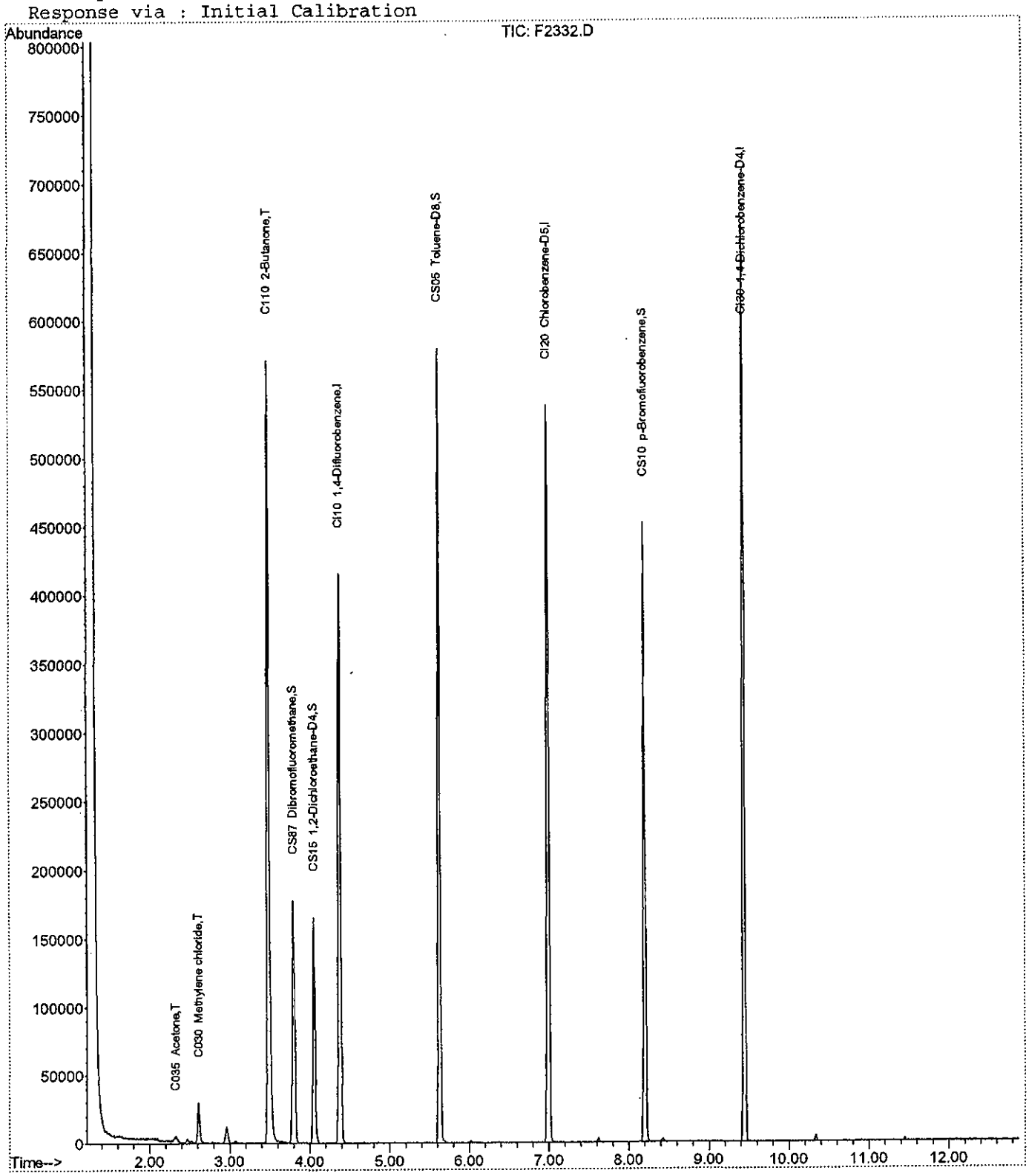
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\060208\F2332.D
Acq On : 2 Jun 2008 21:03
Sample : A8615703
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 3 19:07 2008

Vial: 79
Operator: JLG
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000370.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2332.D
Acq On : 2 Jun 2008 21:03
Sample : A8615703
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:08:03 2008

Vial: 79
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\060208\F2327.D (2 Jun 2008 18:50)

JHE 6/03/08

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	351153	250.00	ng	0.00 78.92%
43) CI20	Chlorobenzene-D5	6.99	82	152509	250.00	ng	0.00 80.33%
63) CI30	1,4-Dichlorobenzene-	9.44	152	177384	250.00	ng	0.00 78.23%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.80	111	110564	276.03	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	110.41%	
32) CS15	1,2-Dichloroethane-D	4.05	65	110458	257.64	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	103.06%	
44) CS05	Toluene-D8	5.63	98	391867	266.58	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	106.63%	
62) CS10	p-Bromofluorobenzene	8.20	174	142439	242.88	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	97.15%	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	11712	21.88	ng	# 62
11) C040	Carbon disulfide	2.47	76	3408	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.32	43	7912	67.96	ng	74
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	2.52	43	2184	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2332.D
Acq On : 2 Jun 2008 21:03
Sample : A8615703
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:08:03 2008

Vial: 79
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	0.00	78	0	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
~~35)~~	~~C110~~	~~2-Butanone~~	~~3.48~~	~~43~~	~~756151~~	~~3618.50 ng~~	~~46~~
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	0.00	92	0	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.62	43	2028	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	0.00	43	0	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.00	91	148	N.D.	
58)	C246	m,p-Xylene	0.00	106	0	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	0.00	91	0	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.57	105	148	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.07	105	734	N.D.	
75)	C308	sec-Butylbenzene	9.07	105	734	N.D.	
76)	C260	1,3-Dichlorobenzene	9.46	146	693	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.46	146	693	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	2265	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (50'-52')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615704

Sample wt/vol: 5.09 (g/mL) G Lab File ID: F2333.RR

Level: (low/med) LOW Date Samp/Recv: 05/29/2008 05/31/2008

% Moisture: not dec. 6 Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	26	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	6	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (50'-52')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615704

Sample wt/vol: 5.09 (g/mL) G Lab File ID: F2333.RR

Level: (low/med) LOW Date Samp/Recv: 05/29/2008 05/31/2008

% Moisture: not dec. 6 Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	26	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	16	U

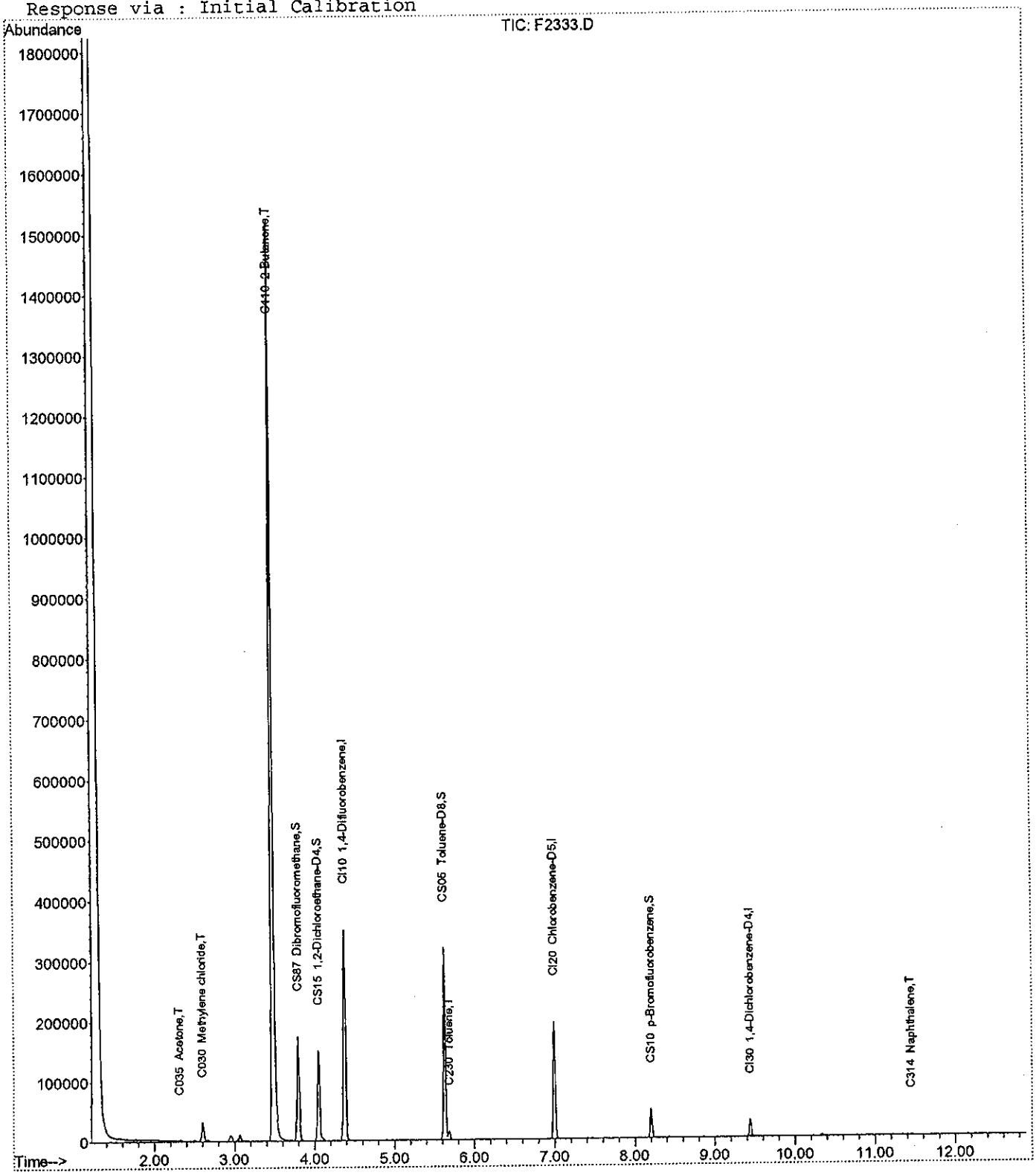
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\060208\F2333.D
Acq On : 2 Jun 2008 21:28
Sample : A8615704
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 3 19:07 2008

Vial: 80
Operator: JLG
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000370.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2333.D
Acq On : 2 Jun 2008 21:28
Sample : A8615704
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:08:08 2008

Vial: 80
Operator: JLG
Inst : HP5973F
Multiplr: 1.00

PASS = IS/SURR OUT

Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\060208\F2327.D (2 Jun 2008 18:50)

=w06/03/08

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	294284	250.00 ng	0.00 66.14%
43) CI20	Chlorobenzene-D5	6.99	82	53338	250.00 ng	0.00 28.09%
63) CI30	1,4-Dichlorobenzene-	9.45	152	8880	250.00 ng	0.00 3.92%
System Monitoring Compounds						
27) CS87	Dibromofluoromethane	3.79	111	106281	320.35 ng	0.00
Spiked Amount	250.000	Range 70 - 130		Recovery = 128.14%		
32) CS15	1,2-Dichloroethane-D	4.05	65	101213	284.60 ng	0.00
Spiked Amount	250.000	Range 64 - 126		Recovery = 113.84%		
44) CS05	Toluene-D8	5.62	98	214599	438.47 ng	0.00
Spiked Amount	250.000	Range 71 - 125		Recovery = 175.39%#		
62) CS10	p-Bromofluorobenzene	8.20	174	15942	54.48 ng	0.00
Spiked Amount	250.000	Range 72 - 126		Recovery = 21.79%#		
Target Compounds						Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.	
3) C010	Chloromethane	0.00	50	0	N.D.	
4) C020	Vinyl chloride	0.00	62	0	N.D.	
5) C015	Bromomethane	0.00	94	0	N.D.	
6) C025	Chloroethane	0.00	64	0	N.D.	
7) C275	Trichlorofluorometha	0.00	101	0	N.D.	
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.	
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.	
10) C030	Methylene chloride	2.61	84	12144	29.97 ng	# 65
11) C040	Carbon disulfide	2.47	76	484	N.D.	
12) C036	Acrolein	0.00	56	0	N.D.	
13) C038	Acrylonitrile	0.00	53	0	N.D.	
14) C035	Acetone	2.32	43	3779	38.73 ng	# 42
15) C300	Acetonitrile	0.00	41	0	N.D.	
16) C276	Iodomethane	0.00	142	0	N.D.	
17) C255	Methyl Acetate	2.50	43	3381	N.D.	
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.	
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.	
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.	
21) C125	Vinyl Acetate	0.00	43	0	N.D.	
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.	
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.	
24) C272	Tetrahydrofuran	0.00	42	0	N.D.	
25) C222	Bromochloromethane	0.00	128	0	N.D.	
26) C060	Chloroform	0.00	83	0	N.D.	
28) C256	Cyclohexane	0.00	56	0	N.D.	
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.	
30) C120	Carbon tetrachloride	0.00	117	0	N.D.	
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.	

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2333.D
Acq On : 2 Jun 2008 21:28
Sample : A8615704
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:08:08 2008

Vial: 80
Operator: JLG
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit	Qvalue
33)	C165	Benzene	4.11	78	4437	N.D.		
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.		
~~35)~~	~~C110~~	~~2-Butanone~~	~~3.48~~	~~43~~	~~1949081~~	~~11129.61~~	~~ng~~	~~46~~
36)	C150	Trichloroethene	0.00	95	0	N.D.		
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.		
38)	C012	Methylcyclohexane	0.00	83	0	N.D.		
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.		
40)	C278	Dibromomethane	0.00	93	0	N.D.		
41)	C130	Bromodichloromethane	0.00	83	0	N.D.		
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.		
45)	C230	Toluene	5.68	92	6780	22.98	ng	91
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.		
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.		
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.		
49)	C210	4-Methyl-2-pentanone	5.62	43	1025	N.D.		
50)	C220	Tetrachloroethene	0.00	166	0	N.D.		
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.		
52)	C155	Dibromochloromethane	0.00	129	0	N.D.		
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.		
54)	C215	2-Hexanone	0.00	43	0	N.D.		
55)	C235	Chlorobenzene	0.00	112	0	N.D.		
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.		
57)	C240	Ethylbenzene	0.00	91	0	N.D.		
58)	C246	m,p-Xylene	0.00	106	0	N.D.		
59)	C247	o-Xylene	0.00	106	0	N.D.		
60)	C245	Styrene	0.00	104	0	N.D.		
61)	C180	Bromoform	0.00	173	0	N.D.		
64)	C966	Isopropylbenzene	0.00	105	0	N.D.		
65)	C301	Bromobenzene	0.00	156	0	N.D.		
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.		
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.		
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.		
69)	C302	n-Propylbenzene	0.00	91	0	N.D.		
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.		
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.		
72)	C304	1,3,5-Trimethylbenze	8.58	105	131	N.D.		
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.		
74)	C307	1,2,4-Trimethylbenze	9.08	105	288	N.D.		
75)	C308	sec-Butylbenzene	9.08	105	288	N.D.		
76)	C260	1,3-Dichlorobenzene	0.00	146	0	N.D.		
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.		
78)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.		
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.		
80)	C310	n-Butylbenzene	0.00	91	0	N.D.		
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.		
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.		
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.		
~~84)~~	~~C314~~	~~Naphthalene~~	11.45	128	1746	23.93	ng	74
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.		

(#) = qualifier out of range (m) = manual integration

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (50'-52')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615704RE

Sample wt/vol: 5.04 (g/mL) G Lab File ID: F2358.RR

Level: (low/med) LOW Date Samp/Recv: 05/29/2008 05/31/2008

% Moisture: not dec. 6 Heated Purge: Y Date Analyzed: 06/04/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	12	J
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	15	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (50'-52')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615704RE

Sample wt/vol: 5.04 (g/mL) G Lab File ID: F2358.RR

Level: (low/med) LOW Date Samp/Recv: 05/29/2008 05/31/2008

% Moisture: not dec. 6 Heated Purge: Y Date Analyzed: 06/04/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

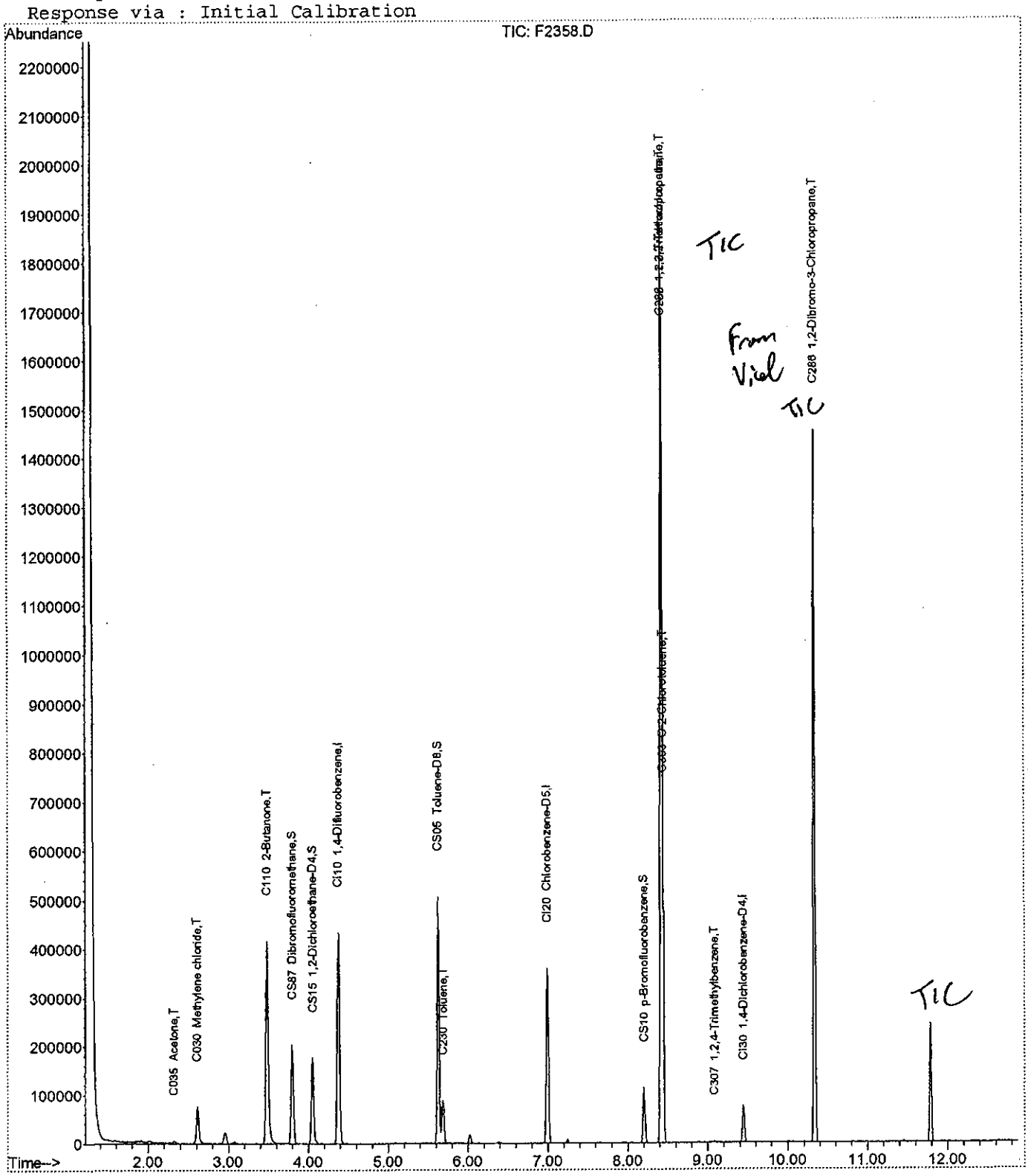
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	26	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	15	
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	16	U

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\060408\F2358.D
Acq On : 4 Jun 2008 16:14
Sample : A8615704RE
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 5 9:38 2008

Vial: 9
Operator: TRB
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000370.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Thu Jun 05 09:37:17 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\060408\F2358.D
Acq On : 4 Jun 2008 16:14
Sample : A8615704 RE
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 05 09:38:04 2008

Vial: 9
Operator: TRB
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Thu Jun 05 09:37:17 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\060408\F2351.D (4 Jun 2008 13:11)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	387383	250.00	ng	0.00
43) CI20	Chlorobenzene-D5	6.99	82	100694	250.00	ng	0.00
63) CI30	1,4-Dichlorobenzene-	9.44	152	21823	250.00	ng	0.00
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.80	111	125493	284.74	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	113.90%	
32) CS15	1,2-Dichloroethane-D	4.05	65	125811	267.01	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	106.80%	
44) CS05	Toluene-D8	5.63	98	343132	365.68	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	146.27%#	
62) CS10	p-Bromofluorobenzene	8.20	174	36971	74.73	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	29.89%#	

Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	30989	69.55	ng #	56
11) C040	Carbon disulfide	2.47	76	913	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.33	43	7215	56.18	ng	100
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	3.69	83	139	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\060408\F2358.D
Acq On : 4 Jun 2008 16:14
Sample : A8615704 RE
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 05 09:38:04 2008

Vial: 9
Operator: TRB
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Thu Jun 05 09:37:17 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.11	78	2149	N.D.			
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.			
35)	C110	2-Butanone	3.48	43	614342	2664.93	ng		46
36)	C150	Trichloroethene	0.00	95	0	N.D.			
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.			
38)	C012	Methylcyclohexane	0.00	83	0	N.D.			
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.			
40)	C278	Dibromomethane	0.00	93	0	N.D.			
41)	C130	Bromodichloromethane	0.00	83	0	N.D.			
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.			
45)	C230	Toluene	5.69	92	38525	69.16	ng		83
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.			
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.			
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.			
49)	C210	4-Methyl-2-pentanone	5.62	43	1647	N.D.			
50)	C220	Tetrachloroethene	0.00	166	0	N.D.			
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.			
52)	C155	Dibromochloromethane	0.00	129	0	N.D.			
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.			
54)	C215	2-Hexanone	6.39	43	3011	N.D.			
55)	C235	Chlorobenzene	0.00	112	0	N.D.			
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.			
57)	C240	Ethylbenzene	7.13	91	969	N.D.			
58)	C246	m,p-Xylene	7.25	106	2040	N.D.			
59)	C247	o-Xylene	7.66	106	324	N.D.			
60)	C245	Styrene	0.00	104	0	N.D.			
61)	C180	Bromoform	0.00	173	0	N.D.			
64)	C966	Isopropylbenzene	0.00	105	0	N.D.			
65)	C301	Bromobenzene	0.00	156	0	N.D.			
66)	C225	1,1,2,2-Tetrachloroe	8.43	83	750	17.14	ng	#	1
67)	C282	1,2,3-Trichloropropa	8.43	110	5413	376.89	ng		100
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.			
69)	C302	n-Propylbenzene	0.00	91	0	N.D.			
70)	C303	2-Chlorotoluene	8.45	126	617	13.13	ng		100
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.			
72)	C304	1,3,5-Trimethylbenze	8.67	105	270	N.D.			
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.			
74)	C307	1,2,4-Trimethylbenze	9.08	105	2124	13.27	ng		82
75)	C308	sec-Butylbenzene	9.08	105	2124	N.D.			
76)	C260	1,3-Dichlorobenzene	9.47	146	1125	N.D.			
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.			
78)	C267	1,4-Dichlorobenzene	9.47	146	1125	N.D.			
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.			
80)	C310	n-Butylbenzene	0.00	91	0	N.D.			
81)	C286	1,2-Dibromo-3-Chloro	10.33	75	32870	3903.79	ng	#	8
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.			
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.			
84)	C314	Naphthalene	11.45	128	2033	N.D.			
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.			

(#) = qualifier out of range (m) = manual integration

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (6'-8')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615701

Sample wt/vol: 5.20 (g/mL) G Lab File ID: F2330.RR

Level: (low/med) LOW Date Samp/Recv: 05/27/2008 05/31/2008

% Moisture: not dec. 21 Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	30	U
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	6	U
78-93-3	2-Butanone	30	U
75-15-0	Carbon Disulfide	6	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
106-93-4	1,2-Dibromoethane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	30	U
98-82-8	Isopropylbenzene	6	U
79-20-9	Methyl acetate	6	U
108-87-2	Methylcyclohexane	6	U
75-09-2	Methylene chloride	5	J

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14 (6'-8')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8615701

Sample wt/vol: 5.20 (g/mL) G Lab File ID: F2330.RR

Level: (low/med) LOW Date Samp/Recv: 05/27/2008 05/31/2008

% Moisture: not dec. 21 Heated Purge: Y Date Analyzed: 06/02/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	30	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
79-01-6	Trichloroethene	6	U
75-01-4	Vinyl chloride	12	U
1330-20-7	Total Xylenes	18	U

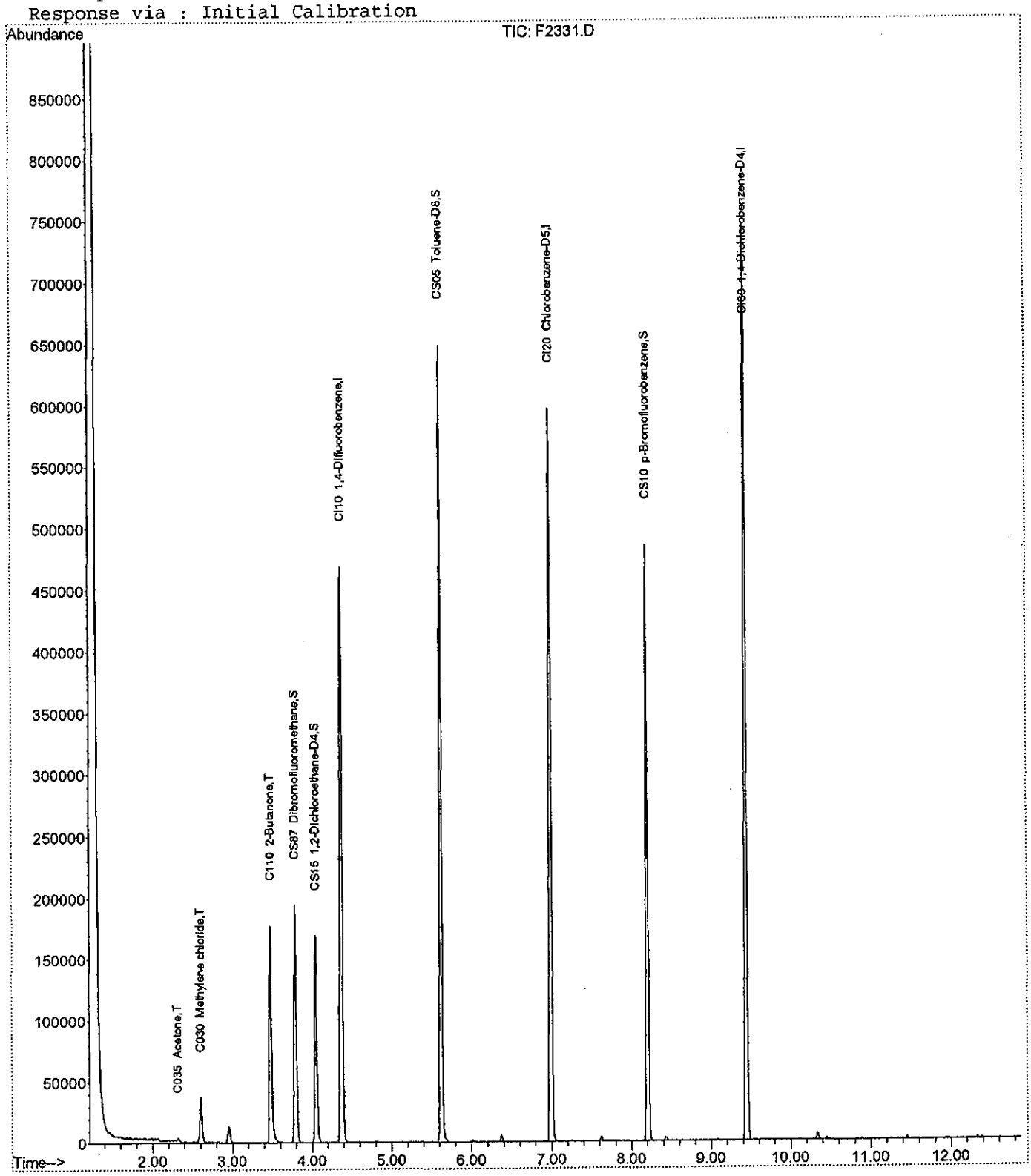
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\060208\F2331.D
Acq On : 2 Jun 2008 20:37
Sample : A8615702
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 3 19:07 2008

Vial: 78
Operator: JLG
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000370.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2331.D
Acq On : 2 Jun 2008 20:37
Sample : A8615702
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:07:58 2008

Vial: 78
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\060208\F2327.D (2 Jun 2008 18:50)

SJC 06/03/08

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	390622	250.00	ng	0.00 87.79%
43) CI20	Chlorobenzene-D5	6.99	82	169077	250.00	ng	0.00 89.05%
63) CI30	1,4-Dichlorobenzene-	9.44	152	199377	250.00	ng	0.00 87.93%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.79	111	116239	259.48	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery =	103.79%		
32) CS15	1,2-Dichloroethane-D	4.05	65	114876	238.85	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery =	95.54%		
44) CS05	Toluene-D8	5.62	98	429306	262.99	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery =	105.20%		
62) CS10	p-Bromofluorobenzene	8.20	174	153695	235.48	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery =	94.19%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	13997	24.42	ng #	65
11) C040	Carbon disulfide	0.00	76	0	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.33	43	4423	34.15	ng	87
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	2.51	43	291	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\060208\F2331.D
Acq On : 2 Jun 2008 20:37
Sample : A8615702
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 03 19:07:58 2008

Vial: 78
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000370.RES

Quant Method : C:\MSDCHEM\2...\A8I00000370.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jun 03 17:25:41 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	0.00	78	0	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	3.48	43	238643	1026.62 ng	46
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.68	92	391	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.62	43	1890	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	6.37	43	986	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.25	91	1056	N.D.	
58)	C246	m,p-Xylene	0.00	106	0	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	0.00	91	0	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.56	105	129	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	700	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	700	N.D.	
76)	C260	1,3-Dichlorobenzene	9.47	146	1123	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.47	146	1123	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.46	128	2736	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Level (low/med): LOW

	Client Sample ID	Lab Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#						TOT OUT
1	MSB04	A8B1643501	100		103		108							0
2	MSB05	A8B1654601	102		106		109							0
3	MW-14 (10'-12')	A8615702	94		96		105							0
4	MW-14 (16'-18')	A8615703	97		103		107							0
5	MW-14 (50'-52')	A8615704	22	*	114		175	*						2
6	MW-14 (50'-52')	A8615704RE	30	*	107		146	*						2
7	MW-14 (6'-8')	A8615701	100		104		107							0
8	VBLK04	A8B1643502	100		99		111							0
9	VBLK05	A8B1654602	99		99		107							0

QC LIMITS

BFB = p-Bromofluorobenzene (72-126)
DCE = 1,2-Dichloroethane-D4 (61-136)
TOL = Toluene-D8 (71-125)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B1643502

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: VBLK04 Level: (low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	MSB CONCENTRATION UG/KG	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	55.0	110	65 - 146
Trichloroethene	50.0	47.9	96	74 - 127
Benzene	50.0	47.4	95	74 - 128
Toluene	50.0	46.6	93	74 - 123
Chlorobenzene	50.0	46.9	94	76 - 124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B1654602

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: VBLK05 Level: (low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	MSB CONCENTRATION UG/KG	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	54.9	110	65 - 146
Trichloroethene	50.0	52.7	105	74 - 127
Benzene	50.0	53.2	106	74 - 128
Toluene	50.0	52.6	105	74 - 123
Chlorobenzene	50.0	52.5	105	76 - 124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK04

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F2329.RR Lab Sample ID: A8B1643502

Date Analyzed: 06/02/2008 Time Analyzed: 19:42

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	MSB04	A8B1643501	F2328.RR	19:16
2	MW-14 (10'-12')	A8615702	F2331.RR	20:37
3	MW-14 (16'-18')	A8615703	F2332.RR	21:03
4	MW-14 (50'-52')	A8615704	F2333.RR	21:28
5	MW-14 (6'-8')	A8615701	F2330.RR	20:12

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.
VBLK05

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F2354.RR Lab Sample ID: A8B1654602

Date Analyzed: 06/04/2008 Time Analyzed: 14:29

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	MSB05	A8B1654601	F2353.RR	14:03
2	MW-14 (50'-52')	A8615704RE	F2358.RR	16:14

Comments: _____

ARCADIS GERAGHTY & MILLER
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0001463

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F2259 BFB Injection Date: 05/25/2008

Instrument ID: HP5973F BFB Injection Time: 09:15

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N): Y

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	19.8		
75	30.0 - 60.0% of mass 95	41.3		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	7.9		
173	Less than 2.0% of mass 174	0.7	(0.7)	1
174	50 - 120 % of mass 95	98.5		
175	5.0 - 9.0% of mass 174	7.4	(7.5)	1
176	95.0 - 101.0% of mass 174	94.8	(96.2)	1
177	5.0 - 9.0% of mass 176	6.8	(7.2)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD005	A8I0000370-1	F2265.RR	05/25/2008	13:35
2	VSTD020	A8I0000370-1	F2267.RR	05/25/2008	14:30
3	VSTD050	A8I0000370-1	F2268.RR	05/25/2008	14:55
4	VSTD100	A8I0000370-1	F2269.RR	05/25/2008	15:21
5	VSTD200	A8I0000370-1	F2270.RR	05/25/2008	15:47

ARCADIS GERAGHTY & MILLER
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0001559

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F2325 BFB Injection Date: 06/02/2008

Instrument ID: HP5973F BFB Injection Time: 17:59

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N): Y

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	22.3		
75	30.0 - 60.0% of mass 95	44.8		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	5.9		
173	Less than 2.0% of mass 174	0.4	(0.4)	1
174	50 - 120 % of mass 95	98.8		
175	5.0 - 9.0% of mass 174	7.2	(7.3)	1
176	95.0 - 101.0% of mass 174	98.2	(99.4)	1
177	5.0 - 9.0% of mass 176	7.1	(7.2)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD050	A8C0001317-1	F2327.RR	06/02/2008	18:50
2	MSB04	A8B1643501	F2328.RR	06/02/2008	19:16
3	VBLK04	A8B1643502	F2329.RR	06/02/2008	19:42
4	MW-14 (6'-8')	A8615701	F2330.RR	06/02/2008	20:12
5	MW-14 (10'-12')	A8615702	F2331.RR	06/02/2008	20:37
6	MW-14 (16'-18')	A8615703	F2332.RR	06/02/2008	21:03
7	MW-14 (50'-52')	A8615704	F2333.RR	06/02/2008	21:28

ARCADIS GERAGHTY & MILLER
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0001579

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F2349 BFB Injection Date: 06/04/2008

Instrument ID: HP5973F BFB Injection Time: 12:32

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N): Y

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	24.9		
75	30.0 - 60.0% of mass 95	46.9		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	7.2		
173	Less than 2.0% of mass 174	0.5	(0.5)	1
174	50 - 120 % of mass 95	91.1		
175	5.0 - 9.0% of mass 174	6.6	(7.2)	1
176	95.0 - 101.0% of mass 174	91.7	(100.7)	1
177	5.0 - 9.0% of mass 176	6.0	(6.5)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD050	A8C0001335-1	F2351.RR	06/04/2008	13:11
2	MSB05	A8B1654601	F2353.RR	06/04/2008	14:03
3	VBLK05	A8B1654602	F2354.RR	06/04/2008	14:29
4	MW-14 (50'-52')	A8615704RE	F2358.RR	06/04/2008	16:14

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000370-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Intrument ID: HP5973F_____ Calibration Dates(s): 05/25/2008 05/25/2008

Heated Purge (Y/N): Y Calibration Times: 13:35 15:47

GC Column: ZB-624 ID: 0.20(mm)

Lab File ID: RRF5 = F2265.RR RRF20 = F2267.RR
RRF50 = F2268.RR RRF100 = F2269.RR RRF200 = F2270.RR

COMPOUND		RRF5	RRF20	RRF50	RRF100	RRF200	AVG RRF	% RSD	
Chloromethane	#	0.411	0.397	0.387	0.423	0.390	0.4010	3.700	#
Bromomethane		0.123	0.123	0.121	0.129	0.123	0.1240	2.400	
Vinyl chloride	*	0.335	0.323	0.329	0.342	0.305	0.3270	4.400	*
Chloroethane		0.110	0.114	0.110	0.113	0.111	0.1120	1.600	
Methylene chloride		0.359	0.257	0.252	0.261	0.246	0.2750	17.300	
Acetone		0.092	0.094	0.080	0.083	0.067	0.0830	13.000	
Carbon Disulfide		0.698	0.613	0.661	0.696	0.657	0.6650	5.200	
1,1-Dichloroethene	*	0.188	0.174	0.193	0.194	0.176	0.1850	5.100	*
1,1-Dichloroethane	#	0.464	0.428	0.457	0.486	0.462	0.4590	4.500	#
cis-1,2-Dichloroethene		0.279	0.254	0.269	0.284	0.272	0.2720	4.200	
trans-1,2-Dichloroethene		0.239	0.227	0.234	0.254	0.244	0.2400	4.200	
Chloroform	*	0.422	0.384	0.400	0.426	0.407	0.4080	4.100	*
1,2-Dichloroethane		0.379	0.366	0.371	0.374	0.350	0.3680	3.000	
2-Butanone		0.153	0.162	0.146	0.156	0.126	0.1490	9.300	
1,1,1-Trichloroethane		0.318	0.303	0.339	0.367	0.351	0.3360	7.500	
Carbon Tetrachloride		0.275	0.239	0.284	0.322	0.317	0.2870	11.700	
Bromodichloromethane		0.300	0.281	0.298	0.322	0.309	0.3020	5.000	
1,2-Dichloropropane	*	0.281	0.254	0.263	0.281	0.274	0.2710	4.300	*
cis-1,3-Dichloropropene		0.332	0.321	0.357	0.385	0.380	0.3550	8.000	
Trichloroethene		0.240	0.219	0.230	0.249	0.240	0.2350	4.900	
Dibromochloromethane		0.523	0.509	0.555	0.620	0.593	0.5600	8.200	
1,1,2-Trichloroethane		0.379	0.378	0.394	0.402	0.376	0.3860	3.000	
Benzene		0.906	0.858	0.896	0.950	0.915	0.9050	3.600	
trans-1,3-Dichloropropene		0.590	0.611	0.710	0.792	0.783	0.6970	13.500	
Bromoform	#	0.392	0.404	0.435	0.486	0.461	0.4350	8.900	#
4-Methyl-2-pentanone		0.729	0.829	0.733	0.791	0.636	0.7440	9.800	
2-Hexanone		0.489	0.565	0.511	0.549	0.442	0.5110	9.600	
Tetrachloroethene		0.645	0.600	0.627	0.679	0.644	0.6390	4.500	
1,1,2,2-Tetrachloroethane	#	0.467	0.523	0.511	0.529	0.476	0.5010	5.600	#
Toluene	*	1.396	1.330	1.345	1.443	1.402	1.3830	3.300	*
Chlorobenzene	#	1.710	1.663	1.648	1.748	1.712	1.6960	2.400	#
Ethylbenzene	*	2.715	2.604	2.630	2.807	2.691	2.6900	3.000	*
Styrene		1.763	1.715	1.783	1.913	1.856	1.8060	4.300	
Total Xylenes		1.079	0.999	1.032	1.136	1.096	1.0680	5.000	
1,1,2-Trichloro-1,2,2-trifl		0.215	0.206	0.221	0.225	0.209	0.2150	3.800	
1,2,4-Trichlorobenzene		0.995	0.914	0.957	1.023	0.920	0.9620	4.900	
1,2-Dibromo-3-chloropropane		0.080	0.095	0.100	0.114	0.095	0.0960	12.700	

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000370-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Intrument ID: HP5973F Calibration Dates(s): 05/25/2008 05/25/2008

Heated Purge (Y/N): Y Calibration Times: 13:35 15:47

GC Column: ZB-624 ID: 0.20(mm)

Lab File ID: RRF5 = F2265.RR RRF20 = F2267.RR
RRF50 = F2268.RR RRF100 = F2269.RR RRF200 = F2270.RR

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	AVG RRF	% RSD
1,2-Dibromoethane	0.490	0.527	0.521	0.536	0.495	0.5140	4.000
1,2-Dichlorobenzene	1.203	1.127	1.165	1.211	1.129	1.1670	3.400
1,3-Dichlorobenzene	1.187	1.106	1.148	1.183	1.129	1.1510	3.000
1,4-Dichlorobenzene	1.244	1.150	1.160	1.208	1.153	1.1830	3.500
Cyclohexane	0.465	0.438	0.479	0.497	0.468	0.4690	4.600
Dichlorodifluoromethane	0.162	0.207	0.216	0.225	0.199	0.2020	11.900
Methyl acetate	0.368	0.397	0.361	0.389	0.326	0.3680	7.600
Trichlorofluoromethane	0.355	0.349	0.352	0.362	0.326	0.3490	3.800
Methyl-t-Butyl Ether (MTBE)	0.694	0.689	0.675	0.728	0.667	0.6900	3.400
Isopropylbenzene	2.084	1.911	2.024	2.145	2.063	2.0450	4.200
Methylcyclohexane	0.355	0.352	0.372	0.391	0.379	0.3700	4.400
Toluene-D8	4.545	2.493	2.612	2.352	2.166	2.8340	34.300
p-Bromofluorobenzene	1.783	1.009	1.000	0.934	0.862	1.1170	33.700
1,2-Dichloroethane-D4	0.526	0.330	0.315	0.301	0.278	0.3500	28.700

Comments:

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001317-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: F2327.RR Calibration Date: 06/02/2008 Time: 18:50

Intrument ID: HP5973F Init. Calib. Date(s): 05/25/2008 05/25/2008

Heated Purge (Y/N): Y Init. Calib. Times: 13:35 15:47

GC Column: ZB-624 ID: 0.20(mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
Chloromethane	0.4010	0.3741	0.1000	6.700	100.00
Bromomethane	0.1240	0.1202		3.100	100.00
Vinyl chloride	0.3270	0.2834		13.300	20.00
Chloroethane	0.1120	0.1097		2.000	100.00
Methylene chloride	0.2750	0.2389		13.100	100.00
Acetone	0.0830	0.0761		8.300	100.00
Carbon Disulfide	0.6650	0.6409		3.600	100.00
1,1-Dichloroethene	0.1850	0.1871	0.1000	-1.100	20.00
1,1-Dichloroethane	0.4590	0.4169	0.3000	9.200	100.00
cis-1,2-Dichloroethene	0.2720	0.2400		11.800	100.00
trans-1,2-Dichloroethene	0.2400	0.2195		8.500	100.00
Chloroform	0.4080	0.3646		10.600	20.00
1,2-Dichloroethane	0.3680	0.3249		11.700	100.00
2-Butanone	0.1490	0.1320		11.400	100.00
1,1,1-Trichloroethane	0.3360	0.3212		4.400	100.00
Carbon Tetrachloride	0.2870	0.2719		5.300	100.00
Bromodichloromethane	0.3020	0.2738		9.300	100.00
1,2-Dichloropropane	0.2710	0.2410		11.100	20.00
cis-1,3-Dichloropropene	0.3550	0.3270		7.900	100.00
Trichloroethene	0.2350	0.2172		7.600	100.00
Dibromochloromethane	0.5600	0.5365		4.200	100.00
1,1,2-Trichloroethane	0.3860	0.3538		8.300	100.00
Benzene	0.9050	0.8199		9.400	100.00
trans-1,3-Dichloropropene	0.6970	0.6641		4.700	100.00
Bromoform	0.4350	0.3837	0.1000	11.800	100.00
4-Methyl-2-pentanone	0.7440	0.6685		10.100	100.00
2-Hexanone	0.5110	0.4634		9.300	100.00
Tetrachloroethene	0.6390	0.5926		7.300	100.00
1,1,2,2-Tetrachloroethane	0.5010	0.4811	0.3000	4.000	100.00
Toluene	1.3830	1.2623		8.700	20.00
Chlorobenzene	1.6960	1.5479	0.3000	8.700	100.00
Ethylbenzene	2.6900	2.4825		7.700	20.00
Styrene	1.8060	1.6095		10.900	100.00
Total Xylenes	1.0680	0.9693		9.200	100.00
1,1,2-Trichloro-1,2,2-trifluoro	0.2150	0.2113		1.700	100.00
1,2,4-Trichlorobenzene	0.9620	0.9554		0.700	100.00
1,2-Dibromo-3-chloropropane	0.0960	0.0948		1.200	100.00
1,2-Dibromoethane	0.5140	0.4523		12.000	100.00
1,2-Dichlorobenzene	1.1670	1.1439		2.000	100.00

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001317-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: F2327.RR Calibration Date: 06/02/2008 Time: 18:50

Intrument ID: HP5973F Init. Calib. Date(s): 05/25/2008 05/25/2008

Heated Purge (Y/N): Y Init. Calib. Times: 13:35 15:47

GC Column: ZB-624 ID: 0.20(mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
1,3-Dichlorobenzene	1.1510	1.1452		0.500	100.00
1,4-Dichlorobenzene	1.1830	1.1682		1.200	100.00
Cyclohexane	0.4690	0.4506		3.900	100.00
Dichlorodifluoromethane	0.2020	0.1633		19.200	100.00
Methyl acetate	0.3680	0.4006		-8.800	100.00
Trichlorofluoromethane	0.3490	0.3694		-5.800	100.00
Methyl-t-Butyl Ether (MTBE)	0.6900	0.6087		11.800	100.00
Isopropylbenzene	2.0450	2.0126		1.600	100.00
Methylcyclohexane	0.3700	0.3467		6.300	100.00
Toluene-D8	2.8340	2.6491		6.500	100.00
p-Bromofluorobenzene	1.1170	0.9500		15.000	100.00
1,2-Dichloroethane-D4	0.3500	0.3194		8.700	100.00

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001335-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: F2351.RR Calibration Date: 06/04/2008 Time: 13:11

Intrument ID: HP5973F Init. Calib. Date(s): 05/25/2008 05/25/2008

Heated Purge (Y/N): Y Init. Calib. Times: 13:35 15:47

GC Column: ZB-624 ID: 0.20 (mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
Chloromethane	0.4010	0.3778	0.1000	5.800	100.00
Bromomethane	0.1240	0.1210		2.400	100.00
Vinyl chloride	0.3270	0.3068		6.200	20.00
Chloroethane	0.1120	0.1074		4.100	100.00
Methylene chloride	0.2750	0.2757		-0.300	100.00
Acetone	0.0830	0.0995		-19.900	100.00
Carbon Disulfide	0.6650	0.6940		-4.400	100.00
1,1-Dichloroethene	0.1850	0.2154	0.1000	-16.400	20.00
1,1-Dichloroethane	0.4590	0.4945	0.3000	-7.700	100.00
cis-1,2-Dichloroethene	0.2720	0.2899		-6.600	100.00
trans-1,2-Dichloroethene	0.2400	0.2642		-10.100	100.00
Chloroform	0.4080	0.4324		-6.000	20.00
1,2-Dichloroethane	0.3680	0.3821		-3.800	100.00
2-Butanone	0.1490	0.1752		-17.600	100.00
1,1,1-Trichloroethane	0.3360	0.3447		-2.600	100.00
Carbon Tetrachloride	0.2870	0.2808		2.200	100.00
Bromodichloromethane	0.3020	0.3148		-4.200	100.00
1,2-Dichloropropane	0.2710	0.2836		-4.600	20.00
cis-1,3-Dichloropropene	0.3550	0.3862		-8.800	100.00
Trichloroethene	0.2350	0.2577		-9.600	100.00
Dibromochloromethane	0.5600	0.5806		-3.700	100.00
1,1,2-Trichloroethane	0.3860	0.4166		-7.900	100.00
Benzene	0.9050	0.9768		-7.900	100.00
trans-1,3-Dichloropropene	0.6970	0.7441		-6.800	100.00
Bromoform	0.4350	0.3984	0.1000	8.400	100.00
4-Methyl-2-pentanone	0.7440	0.8439		-13.400	100.00
2-Hexanone	0.5110	0.5904		-15.500	100.00
Tetrachloroethene	0.6390	0.7094		-11.000	100.00
1,1,2,2-Tetrachloroethane	0.5010	0.5883	0.3000	-17.400	100.00
Toluene	1.3830	1.4847		-7.400	20.00
Chlorobenzene	1.6960	1.8041	0.3000	-6.400	100.00
Ethylbenzene	2.6900	2.8181		-4.800	20.00
Styrene	1.8060	1.9083		-5.700	100.00
Total Xylenes	1.0680	1.0996		-3.000	100.00
1,1,2-Trichloro-1,2,2-trifluoro	0.2150	0.2204		-2.500	100.00
1,2,4-Trichlorobenzene	0.9620	1.0832		-12.600	100.00
1,2-Dibromo-3-chloropropane	0.0960	0.1035		-7.800	100.00
1,2-Dibromoethane	0.5140	0.5464		-6.300	100.00
1,2-Dichlorobenzene	1.1670	1.2876		-10.300	100.00

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001335-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: F2351.RR Calibration Date: 06/04/2008 Time: 13:11

Intrument ID: HP5973F Init. Calib. Date(s): 05/25/2008 05/25/2008

Heated Purge (Y/N): Y Init. Calib. Times: 13:35 15:47

GC Column: ZB-624 ID: 0.20(mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
1,3-Dichlorobenzene	1.1510	1.3136		-14.100	100.00
1,4-Dichlorobenzene	1.1830	1.3537		-14.400	100.00
Cyclohexane	0.4690	0.4821		-2.800	100.00
Dichlorodifluoromethane	0.2020	0.1760		12.900	100.00
Methyl acetate	0.3680	0.4160		-13.000	100.00
Trichlorofluoromethane	0.3490	0.3624		-3.800	100.00
Methyl-t-Butyl Ether (MTBE)	0.6900	0.7846		-13.700	100.00
Isopropylbenzene	2.0450	2.0601		-0.700	100.00
Methylcyclohexane	0.3700	0.3884		-5.000	100.00
Toluene-D8	2.8340	2.5192		11.100	100.00
p-Bromofluorobenzene	1.1170	0.9328		16.500	100.00
1,2-Dichloroethane-D4	0.3500	0.3205		8.400	100.00

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0001317

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): F2327.RR Date Analyzed: 06/02/2008

Instrument ID: HP5973F Time Analyzed: 18:50

GC Column(1): ZB-624 ID: 0.200(mm) Heated Purge: (Y/N) Y

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		189862		6.99		226752		9.44		444961		4.38	
	UPPER LIMIT		379724		7.49		453504		9.94		889922		4.88	
	LOWER LIMIT		94931		6.49		113376		8.94		222481		3.88	
	CLIENT SAMPLE	Lab Sample ID												
1	MSB04	A8B1643501	187785		6.99		229308		9.44		431243		4.38	
2	MW-14 (10'-12')	A8615702	169077		6.99		199377		9.44		390622		4.38	
3	MW-14 (16'-18')	A8615703	152509		6.99		177384		9.44		351153		4.38	
4	MW-14 (50'-52')	A8615704	53338	*	6.99		8880	*	9.45		294284		4.38	
5	MW-14 (6'-8')	A8615701	170033		6.99		207039		9.44		393314		4.38	
6	VBLK04	A8B1643502	172337		6.99		212221		9.44		405553		4.38	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0001335

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): F2351.RR Date Analyzed: 06/04/2008

Instrument ID: HP5973F Time Analyzed: 13:11

GC Column(1): ZB-624 ID: 0.200(mm) Heated Purge: (Y/N) Y

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		208011		6.99		249651		9.44		475725		4.38	
	UPPER LIMIT		416022		7.49		499302		9.94		951450		4.88	
	LOWER LIMIT		104006		6.49		124826		8.94		237863		3.88	
	CLIENT SAMPLE	Lab Sample ID												
1	MSB05	A8B1654601	207777		6.99		254387		9.44		486920		4.38	
2	MW-14 (50'-52')	A8615704RE	100694	*	6.99		21823	*	9.44		387383		4.38	
3	VBLK05	A8B1654602	198071		6.99		232315		9.44		457033		4.38	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
05/30/08	0835	JW	F2320	A8 567607	5676	5.0mL	5.00g	—
5/30/08	1139	"	F2321	IBLK	—	5 mL	—	"
	1215		F2322	A8560501	5605		5.00	
	1241		F2323	02			5.00	
	1307		F2324	03			5.00	
06/02/08	1759	JW	F2325	0602 BFB F1	Qc	1mL	—	—
	1825		F2326	A00050		5.0mL	5.00g	
	1850		F2327	VSTD050				
	1916		F2328	BFB F11				
	1942		F2329	VBLK04				
	2012		F2330	A8615701	6157		5.00	
	2037		F2331	02			5.00	
	2103		F2332	03			5.08	
	2128		F2333	04			5.09	
	2154		F2334	A8616201	6162		5.06	
	2220		F2335	02			5.00	
	2246		F2336	03			5.00	
	2311		F2337	04			5.05	
	2337		F2338	05			5.01	
06/03/08	0003		F2339	05MS			5.08	
	0028		F2340	05SD			5.04	
	0054		F2341	A8615901	6159		5.11	
	0119		F2342	01FD			5.02	
	0145		F2343	02			5.06	
	0211		F2344	02MS			5.11	
	0236		F2345	02SD			5.10	
	0302		F2346	03			5.06	
	0327		F2347	04			5.00	
	0353		F2348	05			5.09	

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

STD #	IS/SS MIX #	Retest	pH <2	Comments
	IS10 DL/VT			
WS1 AF-2				PASS
WS5 AF-10, WS5 AB-5	IS10 DL/VT			8260 soil ADD (A8E...0325)
WS6 AF-3, WS12 AB-1, WS13 AV-7				8260 soils (A8E...0370)
WS19 AB-2, WS19 AR-2				
		Y		RASy Surrogate
		Y		RASy - bad purge
WS3 AF-7				
WS3 AF-7		Y		RASy - bad purge
		Y		RASy - IS out

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
05/30/08	0825	JW	F2320	A8 567607	5676	5.0mL	5.00g	—
5/30/08	1139	TRB	F2321	IBLK	—	5 mL	—	—
	1215		F2322	A8560501	5605		5.00	
	1241		F2323	02			5.00	
	1307		F2324	03			5.00	
06/02/08	1759	JW	F2325	0602 BFB F1	QC	1mL	—	—
	1825		F2326	A00050		5.0mL	5.00g	
	1850		F2327	VSTD050				
	1916		F2328	MSB Full				
	1942		F2329	VBLK04				
	2012		F2330	A8615701	6157		5.20	
	2037		F2331	02			5.00	
	2103		F2332	03			5.18	
	2128		F2333	04			5.09	
	2154		F2334	A8616201	6162		5.06	
	2220		F2335	02			5.00	
	2246		F2336	03			5.00	
	2311		F2337	04			5.05	
	2337		F2338	05			5.01	
06/03/08	0003		F2339	05mr			5.08	
	0028		F2340	0550			5.04	
	0054		F2341	A8615901	6159		5.11	
	0119		F2342	01FD			5.02	
	0145		F2343	02			5.06	
	0211		F2344	02MI			5.11	
	0236		F2345	0250			5.10	
	0302		F2346	03			5.06	
	0327		F2347	04			5.00	
	0353		F2348	05			5.09	
6/4/08	1232	JW3	F2349	0604BFBF1	QC	1mL	—	—
	—		F2350	VSTD050 (W)		5mL	5.00g	
	1311		F2351	VSTD050				
	1338		F2352	ADD050				
	1403		F2353	MSB FULL				
	1429		F2354	VBLK05				
	1457		F2355	A8616203	6162		5.16	
	1523		F2356	A8615902	6159		5.02	
	1548		F2357	04	L		5.15	

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

STD #	IS/SS MIX #	ReRun?	pH <2	Comments
—	IS/SS 10 DL/VT			
WS1 AF-2				PASS
WS5 AF-10, WS5 AG-5	IS/SS 10 DL/VT			8260 soil ADD (A8J... 0325)
WS6 AF-7, WS12 AG-1, WS13 AV-7				8260 soil (A8J... 0370)
WS19 AG-2, WS19 AR-2				
		Y		RASH Jr bubble out
		Y		RASH - bad purge
WS3 AF-7				
		Y		RASH - bad purge
WS3 AF-7				
		Y		RASH - Jr out
WS1 AF-2	IS/SS 10 DL/VT			Pass
				16 Good 1,1-DCE ↑
WS6 AF-7, WS12 AG-1, WS13 AV-7				A8J... 0370 (8260 Soil)
WS5 AF-10, WS5 AG-5				A8J... 0325 (ADD Soil)
WS19 AG-2, WS19 AR-2				

REVIEWED BY_____ PAGE _____

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
6/4/04	1614	TRB	F2358	~~A86157~~04RE	6157	~~5mL~~	~~5.04~~	—
	1640		F2359	IBLK	—		—	—
	1705		F2360	A86226 04	6226		5.00	1
	1731		F2361	12			5.00	1
	1757		F2362	01			5.26	1
	1822		F2363	01MS			5.22	1
	1848		F2364	01SD			4.99	1
	1914		F2365	02			5.12	1
	1939		F2366	03			5.05	1
	2005		F2367	05			5.06	1
	2031		F2368	06			5.08	1
	2056		F2369	07			5.05	1
	2122		F2370	08			5.02	1
	2147		F2371	09			5.08	1
	2213		F2372	10			5.00	1
	2239		F2373	11			5.21	1

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

STD #	IS/SS MIX #	ReRun?	pH <2	Comments
	15510 DL/Mz		—	Confirms base
			—	
			✓	
			✓	
			—	
1S3 1F-7				

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ANALYTICAL REPORT

Job#: A08-6293

Project#: NY9A8463
Site Name: ARCADIS
Task: LMC - Utica, NY -- Full TCLP Parameters

Jeff Bonsteel
465 New Karner Road
Albany, NY 12205

TestAmerica Laboratories Inc.

Candace L. Fox
Project Manager

06/16/2008

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TestAmerica Buffalo
Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA,CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	Registration, NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A8629302	MW-15 (14-16')	SOIL	06/02/2008	09:30	06/04/2008	09:45
A8629303	MW-15 (22-24')	SOIL	06/02/2008	10:30	06/04/2008	09:45
A8629304	MW-15 (52-52.3)	SOIL	06/02/2008	11:30	06/04/2008	09:45
A8629301	MW-15 (8-10')	SOIL	06/02/2008	08:00	06/04/2008	09:45

METHODS SUMMARY

Job#: A08-6293

Project#: NY9A8463
Site Name: ARCADIS

PARAMETER	ANALYTICAL METHOD
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-6293

Project#: NY9A8463
Site Name: ARCADIS

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-6293
Sample Cooler(s) were received at the following temperature(s); 4.0 °C
All samples were received in good condition.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

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DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
[1]	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: MW-15 (14-16')
Lab Sample ID: A8629302
Date Collected: 06/02/2008
Time Collected: 09:30

Date Received: 06/04/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
1,1,2,2-Tetrachloroethane	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
1,1,2-Trichloroethane	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
1,1-Dichloroethane	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
1,1-Dichloroethene	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
1,2,4-Trichlorobenzene	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
1,2-Dibromo-3-chloropropane	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
1,2-Dibromoethane	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
1,2-Dichlorobenzene	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
1,2-Dichloroethane	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
1,2-Dichloropropane	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
1,3-Dichlorobenzene	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
1,4-Dichlorobenzene	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
2-Butanone	ND		27	UG/KG	8260	06/06/2008 19:43	TRB
2-Hexanone	ND		27	UG/KG	8260	06/06/2008 19:43	TRB
4-Methyl-2-pentanone	ND		27	UG/KG	8260	06/06/2008 19:43	TRB
Acetone	11	J	27	UG/KG	8260	06/06/2008 19:43	TRB
Benzene	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Bromodichloromethane	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Bromoform	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Bromomethane	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Carbon Disulfide	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Carbon Tetrachloride	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Chlorobenzene	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Chloroethane	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Chloroform	1	J	5	UG/KG	8260	06/06/2008 19:43	TRB
Chloromethane	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
cis-1,2-Dichloroethene	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
cis-1,3-Dichloropropene	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Cyclohexane	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Dibromochloromethane	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Dichlorodifluoromethane	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Ethylbenzene	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Isopropylbenzene	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Methyl acetate	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Methyl-t-Butyl Ether (MTBE)	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Methylcyclohexane	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Methylene chloride	5		5	UG/KG	8260	06/06/2008 19:43	TRB
Styrene	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Tetrachloroethene	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Toluene	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Total Xylenes	ND		16	UG/KG	8260	06/06/2008 19:43	TRB
trans-1,2-Dichloroethene	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
trans-1,3-Dichloropropene	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Trichloroethene	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Trichlorofluoromethane	ND		5	UG/KG	8260	06/06/2008 19:43	TRB
Vinyl chloride	ND		11	UG/KG	8260	06/06/2008 19:43	TRB

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: MW-15 (22-24')
Lab Sample ID: A8629303
Date Collected: 06/02/2008
Time Collected: 10:30

Date Received: 06/04/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
1,1,2,2-Tetrachloroethane	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
1,1,2-Trichloroethane	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
1,1-Dichloroethane	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
1,1-Dichloroethene	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
1,2,4-Trichlorobenzene	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
1,2-Dibromo-3-chloropropane	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
1,2-Dibromoethane	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
1,2-Dichlorobenzene	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
1,2-Dichloroethane	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
1,2-Dichloropropane	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
1,3-Dichlorobenzene	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
1,4-Dichlorobenzene	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
2-Butanone	ND		27	UG/KG	8260	06/06/2008 20:08	TRB
2-Hexanone	ND		27	UG/KG	8260	06/06/2008 20:08	TRB
4-Methyl-2-pentanone	ND		27	UG/KG	8260	06/06/2008 20:08	TRB
Acetone	13	J	27	UG/KG	8260	06/06/2008 20:08	TRB
Benzene	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Bromodichloromethane	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Bromoform	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Bromomethane	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Carbon Disulfide	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Carbon Tetrachloride	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Chlorobenzene	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Chloroethane	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Chloroform	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Chloromethane	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
cis-1,2-Dichloroethene	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
cis-1,3-Dichloropropene	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Cyclohexane	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Dibromochloromethane	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Dichlorodifluoromethane	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Ethylbenzene	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Isopropylbenzene	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Methyl acetate	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Methyl-t-Butyl Ether (MTBE)	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Methylcyclohexane	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Methylene chloride	7		5	UG/KG	8260	06/06/2008 20:08	TRB
Styrene	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Tetrachloroethene	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Toluene	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Total Xylenes	ND		16	UG/KG	8260	06/06/2008 20:08	TRB
trans-1,2-Dichloroethene	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
trans-1,3-Dichloropropene	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Trichloroethene	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Trichlorofluoromethane	ND		5	UG/KG	8260	06/06/2008 20:08	TRB
Vinyl chloride	ND		11	UG/KG	8260	06/06/2008 20:08	TRB

Sample ID: MW-15 (52-52.3)
Lab Sample ID: A8629304
Date Collected: 06/02/2008
Time Collected: 11:30

Date Received: 06/04/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
1,1,2,2-Tetrachloroethane	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
1,1,2-Trichloroethane	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
1,1-Dichloroethane	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
1,1-Dichloroethene	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
1,2,4-Trichlorobenzene	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
1,2-Dibromo-3-chloropropane	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
1,2-Dibromoethane	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
1,2-Dichlorobenzene	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
1,2-Dichloroethane	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
1,2-Dichloropropane	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
1,3-Dichlorobenzene	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
1,4-Dichlorobenzene	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
2-Butanone	ND		27	UG/KG	8260	06/06/2008 20:34	TRB
2-Hexanone	ND		27	UG/KG	8260	06/06/2008 20:34	TRB
4-Methyl-2-pentanone	ND		27	UG/KG	8260	06/06/2008 20:34	TRB
Acetone	15	J	27	UG/KG	8260	06/06/2008 20:34	TRB
Benzene	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Bromodichloromethane	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Bromoform	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Bromomethane	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Carbon Disulfide	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Carbon Tetrachloride	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Chlorobenzene	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Chloroethane	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Chloroform	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Chloromethane	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
cis-1,2-Dichloroethene	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
cis-1,3-Dichloropropene	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Cyclohexane	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Dibromochloromethane	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Dichlorodifluoromethane	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Ethylbenzene	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Isopropylbenzene	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Methyl acetate	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Methyl-t-Butyl Ether (MTBE)	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Methylcyclohexane	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Methylene chloride	9		5	UG/KG	8260	06/06/2008 20:34	TRB
Styrene	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Tetrachloroethene	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Toluene	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Total Xylenes	ND		16	UG/KG	8260	06/06/2008 20:34	TRB
trans-1,2-Dichloroethene	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
trans-1,3-Dichloropropene	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Trichloroethene	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Trichlorofluoromethane	ND		5	UG/KG	8260	06/06/2008 20:34	TRB
Vinyl chloride	ND		11	UG/KG	8260	06/06/2008 20:34	TRB

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: MW-15 (8-10')
Lab Sample ID: A8629301
Date Collected: 06/02/2008
Time Collected: 08:00

Date Received: 06/04/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
1,1,2,2-Tetrachloroethane	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
1,1,2-Trichloroethane	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
1,1-Dichloroethane	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
1,1-Dichloroethene	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
1,2,4-Trichlorobenzene	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
1,2-Dibromo-3-chloropropane	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
1,2-Dibromoethane	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
1,2-Dichlorobenzene	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
1,2-Dichloroethane	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
1,2-Dichloropropane	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
1,3-Dichlorobenzene	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
1,4-Dichlorobenzene	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
2-Butanone	ND		26	UG/KG	8260	06/06/2008 19:18	TRB
2-Hexanone	ND		26	UG/KG	8260	06/06/2008 19:18	TRB
4-Methyl-2-pentanone	ND		26	UG/KG	8260	06/06/2008 19:18	TRB
Acetone	31		26	UG/KG	8260	06/06/2008 19:18	TRB
Benzene	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Bromodichloromethane	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Bromoform	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Bromomethane	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Carbon Disulfide	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Carbon Tetrachloride	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Chlorobenzene	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Chloroethane	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Chloroform	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Chloromethane	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
cis-1,2-Dichloroethene	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
cis-1,3-Dichloropropene	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Cyclohexane	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Dibromochloromethane	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Dichlorodifluoromethane	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Ethylbenzene	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Isopropylbenzene	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Methyl acetate	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Methyl-t-Butyl Ether (MTBE)	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Methylcyclohexane	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Methylene chloride	6		5	UG/KG	8260	06/06/2008 19:18	TRB
Styrene	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Tetrachloroethene	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Toluene	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Total Xylenes	ND		16	UG/KG	8260	06/06/2008 19:18	TRB
trans-1,2-Dichloroethene	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
trans-1,3-Dichloropropene	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Trichloroethene	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Trichlorofluoromethane	ND		5	UG/KG	8260	06/06/2008 19:18	TRB
Vinyl chloride	ND		10	UG/KG	8260	06/06/2008 19:18	TRB

Chronology and QC Summary Package

Client ID		VBLK06							
Job No	Lab ID	A08-6293	A8B1677302						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/KG	ND	25	NA		NA		NA	
Benzene	UG/KG	ND	5	NA		NA		NA	
Bromodichloromethane	UG/KG	ND	5	NA		NA		NA	
Bromoform	UG/KG	ND	5	NA		NA		NA	
Bromomethane	UG/KG	ND	5	NA		NA		NA	
2-Butanone	UG/KG	ND	25	NA		NA		NA	
Carbon Disulfide	UG/KG	ND	5	NA		NA		NA	
Carbon Tetrachloride	UG/KG	ND	5	NA		NA		NA	
Chlorobenzene	UG/KG	ND	5	NA		NA		NA	
Chloroethane	UG/KG	ND	5	NA		NA		NA	
Chloroform	UG/KG	ND	5	NA		NA		NA	
Chloromethane	UG/KG	ND	5	NA		NA		NA	
Cyclohexane	UG/KG	ND	5	NA		NA		NA	
1,2-Dibromoethane	UG/KG	ND	5	NA		NA		NA	
Dibromochloromethane	UG/KG	ND	5	NA		NA		NA	
1,2-Dibromo-3-chloropropane	UG/KG	ND	5	NA		NA		NA	
1,2-Dichlorobenzene	UG/KG	ND	5	NA		NA		NA	
1,3-Dichlorobenzene	UG/KG	ND	5	NA		NA		NA	
1,4-Dichlorobenzene	UG/KG	ND	5	NA		NA		NA	
Dichlorodifluoromethane	UG/KG	ND	5	NA		NA		NA	
1,1-Dichloroethane	UG/KG	ND	5	NA		NA		NA	
1,2-Dichloroethane	UG/KG	ND	5	NA		NA		NA	
1,1-Dichloroethene	UG/KG	ND	5	NA		NA		NA	
cis-1,2-Dichloroethene	UG/KG	ND	5	NA		NA		NA	
trans-1,2-Dichloroethene	UG/KG	ND	5	NA		NA		NA	
1,2-Dichloropropane	UG/KG	ND	5	NA		NA		NA	
cis-1,3-Dichloropropene	UG/KG	ND	5	NA		NA		NA	
trans-1,3-Dichloropropene	UG/KG	ND	5	NA		NA		NA	
Ethylbenzene	UG/KG	ND	5	NA		NA		NA	
2-Hexanone	UG/KG	ND	25	NA		NA		NA	
Isopropylbenzene	UG/KG	ND	5	NA		NA		NA	
Methyl acetate	UG/KG	ND	5	NA		NA		NA	
Methylcyclohexane	UG/KG	ND	5	NA		NA		NA	
Methylene chloride	UG/KG	ND	5	NA		NA		NA	
4-Methyl-2-pentanone	UG/KG	ND	25	NA		NA		NA	
Methyl-t-Butyl Ether (MTBE)	UG/KG	ND	5	NA		NA		NA	
Styrene	UG/KG	ND	5	NA		NA		NA	
1,1,2,2-Tetrachloroethane	UG/KG	ND	5	NA		NA		NA	
Tetrachloroethene	UG/KG	ND	5	NA		NA		NA	
Toluene	UG/KG	ND	5	NA		NA		NA	
1,2,4-Trichlorobenzene	UG/KG	ND	5	NA		NA		NA	
1,1,1-Trichloroethane	UG/KG	ND	5	NA		NA		NA	
1,1,2-Trichloroethane	UG/KG	ND	5	NA		NA		NA	

12/17

NA = Not Applicable ND = Not Detected

Client ID		VBLK06							
Job No	Lab ID	A08-6293	A8B1677302						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/KG	ND	5	NA		NA		NA	
Trichlorofluoromethane	UG/KG	ND	5	NA		NA		NA	
Trichloroethene	UG/KG	ND	5	NA		NA		NA	
Vinyl chloride	UG/KG	ND	10	NA		NA		NA	
Total Xylenes	UG/KG	ND	15	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	96	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	97	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	93	50-200	NA		NA		NA	
Toluene-D8	%	111	71-125	NA		NA		NA	
p-Bromofluorobenzene	%	100	72-126	NA		NA		NA	
1,2-Dichloroethane-D4	%	101	61-136	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client Sample ID: VBLK06 MSB06
Lab Sample ID: A8B1677302 A8B1677301

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/KG	51.8	50.0	104	65-146
Trichloroethene	UG/KG	47.4	50.0	95	74-127
Benzene	UG/KG	48.7	50.0	98	74-128
Toluene	UG/KG	48.1	50.0	96	74-123
Chlorobenzene	UG/KG	47.7	50.0	96	76-124

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	MW-15 (14-16') A08-6293 A8629302	MW-15 (22-24') A08-6293 A8629303	MW-15 (52-52.3) A08-6293 A8629304	MW-15 (8-10') A08-6293 A8629301	
Sample Date	06/02/2008 09:30	06/02/2008 10:30	06/02/2008 11:30	06/02/2008 08:00	
Received Date	06/04/2008 09:45	06/04/2008 09:45	06/04/2008 09:45	06/04/2008 09:45	
Extraction Date					
Analysis Date	06/06/2008 19:43	06/06/2008 20:08	06/06/2008 20:34	06/06/2008 19:18	
Extraction HT Met?	-	-	-	-	
Analytical HT Met?	YES	YES	YES	YES	
Sample Matrix	SOIL LOW	SOIL LOW	SOIL LOW	SOIL LOW	
Dilution Factor	1.0	1.0	1.0	1.0	
Sample wt/vol	5.09 GRAMS	5.19 GRAMS	5.03 GRAMS	5.06 GRAMS	
% Dry	90.71	90.42	91.74	95.16	

NA = Not Applicable

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID	VBLK06				
Job No & Lab Sample ID	A08-6293 A8B1677302				
Sample Date					
Received Date					
Extraction Date					
Analysis Date	06/06/2008 11:33				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	SOIL LOW				
Dilution Factor	1.0				
Sample wt/vol	5.0 GRAMS				
% Dry	100.00				

NA = Not Applicable

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
ARCADIS	Jeff Bonsteel	6/3/08	083452
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
465 New Karner Rd.	(518) 452 7826 / (518) 452 4398		
City	**State**	**Zip Code**	**Site Contact**	**Lab Contact**
Albany	NY	12205		
Project Name and Location (State)	**Carrier/Waybill Number**
LOCKHEED MARTIN: Utica	
Contract/Purchase Order/Quote No.
NJ000361.0001	

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: TCL VOAs M, 8260	Special Instructions/ Conditions of Receipt
MW-15 (8-10')	06/02/08	800				X	1						1	
MW-15 (14-16')	06/02/08	930				X	1						1	
MW-15 (22-24')	06/02/08	1030				X	1						1	
MW-15 (52-52.3)	06/03/08	1130				X	1						1	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	06/03/08	1330	1. Received By	6/4/08	0945
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

4.0°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
ARCADIS	Jeff Bonsteel	07/23/08	087011
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
465 New Karner Rd.	(518) 452-7826 (518) 452-4398		
City	**State**	**Zip Code**	**Site Contact**	**Lab Contact**
Albany	NY	12205		Candace Fox
Project Name and Location (State)	**Carrier/Waybill Number**	
LMC-Utica Utica, NY		
Contract/Purchase Order/Quote No.	
NJ000630.0001.0002 A	

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TCL VOAs	Special Instructions/ Conditions of Receipt
IB-1 (2-4')	07/21/08	2100				X	1						1	
IB-1 ~~(10-12')~~ (6-8')	07/21/08	2100				X	1						1	
IB-2 (0.75-1.75')	07/22/08	2000				X	1						1	
IB-2 (8-8.5')	07/22/08	2000				X	1						1	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☑ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	07/23/08	1215	1. Received By BUFFORD	07/24/08	0900
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

2.0°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

17/17

ANALYTICAL REPORT
Revised

Job#: A08-8911

Project#: NY9A8463
Site Name: ARCADIS
Task: LMC - Utica, NY

Jeff Bonsteel
465 New Karner Road
Albany, NY 12205

TestAmerica Laboratories Inc.

Candace L. Fox
Project Manager

02/23/2009

METHODS SUMMARY

Job#: A08-8911

Project#: NY9A8463
Site Name: ARCADIS

PARAMETER	ANALYTICAL METHOD
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A8891101	IB-1 (2-4')	SOIL	07/21/2008	21:00	07/24/2008	09:00
A8891102	IB-1 (6-8')	SOIL	07/21/2008	21:00	07/24/2008	09:00
A8891103	IB-2 (0.75-1.75')	SOIL	07/21/2008	20:00	07/24/2008	09:00
A8891104	IB-2 (8-8.5')	SOIL	07/21/2008	20:00	07/24/2008	09:00

SDG NARRATIVE

Job#: A08-8911

Project#: NY9A8463
Site Name: ARCADIS

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-8911
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

Revision Comments

GC/MS Volatile Data (Revision)

Linear regression was used to calibrate all analytes that were greater than 15% RSD in the initial calibration standard curve A8I0000477-1.

****

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: IB-1 (2-4')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891101

Sample wt/vol: 5.11 (g/mL) G Lab File ID: F3413.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 12 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	21	J
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	6	U
78-93-3	2-Butanone	28	U
75-15-0	Carbon Disulfide	6	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
106-93-4	1,2-Dibromoethane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	28	U
98-82-8	Isopropylbenzene	6	U
79-20-9	Methyl acetate	6	U
108-87-2	Methylcyclohexane	6	U
75-09-2	Methylene chloride	13	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-1 (2-4')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891101

Sample wt/vol: 5.11 (g/mL) G Lab File ID: F3413.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 12 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	28	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
79-01-6	Trichloroethene	8	
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	17	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-1 (6-8')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891102

Sample wt/vol: 5.31 (g/mL) G Lab File ID: F3414.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 18 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	54	
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	6	U
78-93-3	2-Butanone	11	J
75-15-0	Carbon Disulfide	1	J
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
106-93-4	1,2-Dibromoethane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	cis-1,2-Dichloroethene	3	J
156-60-5	trans-1,2-Dichloroethene	2	J
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	29	U
98-82-8	Isopropylbenzene	6	U
79-20-9	Methyl acetate	6	U
108-87-2	Methylcyclohexane	6	U
75-09-2	Methylene chloride	6	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-1 (6-8')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891102

Sample wt/vol: 5.31 (g/mL) G Lab File ID: F3414.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 18 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	29	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	2	J
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
79-01-6	Trichloroethene	6	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	17	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-2 (0.75-1.75')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891103

Sample wt/vol: 5.04 (g/mL) G Lab File ID: F3415.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 11 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	47	
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	6	U
78-93-3	2-Butanone	28	U
75-15-0	Carbon Disulfide	2	J
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
106-93-4	1,2-Dibromoethane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	28	U
98-82-8	Isopropylbenzene	6	U
79-20-9	Methyl acetate	6	U
108-87-2	Methylcyclohexane	6	U
75-09-2	Methylene chloride	5	J

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-2 (0.75-1.75')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891103

Sample wt/vol: 5.04 (g/mL) G Lab File ID: F3415.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 11 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	28	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
79-01-6	Trichloroethene	6	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	17	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-2 (8-8.5')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891104

Sample wt/vol: 5.25 (g/mL) G Lab File ID: F3416.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	21	J
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-2 (8-8.5')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891104

Sample wt/vol: 5.25 (g/mL) G Lab File ID: F3416.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	26	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	16	U

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Level (low/med): LOW

	Client Sample ID	Lab Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#							TOT OUT
1	IB-1 (2-4')	A8891101	106		93		101								0
2	IB-1 (6-8')	A8891102	106		94		102								0
3	IB-2 (0.75-1.75')	A8891103	107		95		102								0
4	IB-2 (8-8.5')	A8891104	104		97		103								0
5	MSB65	A8B1966001	110		99		105								0
6	VBLK65	A8B1966002	109		92		108								0

			QC LIMITS
BFB	=	p-Bromofluorobenzene	(72-126)
DCE	=	1,2-Dichloroethane-D4	(61-136)
TOL	=	Toluene-D8	(71-125)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B1966002

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: VBLK65 Level: (low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	MSB CONCENTRATION UG/KG	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	54.5	109	65 - 146
Trichloroethene	50.0	53.7	107	74 - 127
Benzene	50.0	48.8	98	74 - 127
Toluene	50.0	51.3	103	74 - 123
Chlorobenzene	50.0	51.9	104	76 - 124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.
VBLK65

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F3407.RR Lab Sample ID: A8B1966002

Date Analyzed: 07/28/2008 Time Analyzed: 11:38

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	IB-1 (2-4')	A8891101	F3413.RR	14:12
2	IB-1 (6-8')	A8891102	F3414.RR	14:37
3	IB-2 (0.75-1.75')	A8891103	F3415.RR	15:03
4	IB-2 (8-8.5')	A8891104	F3416.RR	15:28
5	MSB65	A8B1966001	F3405.RR	10:47

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: VBLK65

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B1966002

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3407.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: VBLK65

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B1966002

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3407.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0001870

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): F3404.RR Date Analyzed: 07/28/2008

Instrument ID: HP5973F Time Analyzed: 10:18

GC Column(1): ZB-624 ID: 0.200(mm) Heated Purge: (Y/N) Y

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		546347		6.99		508700		9.44		1168847		4.38	
	UPPER LIMIT		1092694		7.49		1017400		9.94		2337694		4.88	
	LOWER LIMIT		273174		6.49		254350		8.94		584424		3.88	
	CLIENT SAMPLE	Lab Sample ID												
1	IB-1 (2-4')	A8891101	522223		6.99		492982		9.44		1112065		4.38	
2	IB-1 (6-8')	A8891102	510835		6.99		482839		9.44		1086359		4.38	
3	IB-2 (0.75-1.75')	A8891103	515155		6.99		478321		9.44		1088662		4.38	
4	IB-2 (8-8.5')	A8891104	475067		6.99		417699		9.44		1001906		4.38	
5	MSB65	A8B1966001	548036		6.99		511676		9.44		1157841		4.38	
6	VBLK65	A8B1966002	500376		6.99		463213		9.44		1063075		4.38	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

8260 Volatiles

QC Summary

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Level (low/med): LOW

	Client Sample ID	Lab Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#						TOT OUT
1	IB-1 (2-4')	A8891101	106		93		101							0
2	IB-1 (6-8')	A8891102	106		94		102							0
3	IB-2 (0.75-1.75')	A8891103	107		95		102							0
4	IB-2 (8-8.5')	A8891104	104		97		103							0
5	MSB65	A8B1966001	110		99		105							0
6	VBLK65	A8B1966002	109		92		108							0

			QC LIMITS
BFB	=	p-Bromofluorobenzene	(72-126)
DCE	=	1,2-Dichloroethane-D4	(61-136)
TOL	=	Toluene-D8	(71-125)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B1966002

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: VBLK65 Level: (low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	MSB CONCENTRATION UG/KG	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	54.5	109	65 - 146
Trichloroethene	50.0	53.7	107	74 - 127
Benzene	50.0	48.8	98	74 - 127
Toluene	50.0	51.3	103	74 - 123
Chlorobenzene	50.0	51.9	104	76 - 124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____
_____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.
VBLK65

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F3407.RR Lab Sample ID: A8B1966002

Date Analyzed: 07/28/2008 Time Analyzed: 11:38

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	IB-1 (2-4')	A8891101	F3413.RR	14:12
2	IB-1 (6-8')	A8891102	F3414.RR	14:37
3	IB-2 (0.75-1.75')	A8891103	F3415.RR	15:03
4	IB-2 (8-8.5')	A8891104	F3416.RR	15:28
5	MSB65	A8B1966001	F3405.RR	10:47

Comments: _____

ARCADIS G & M INC
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0001831

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F2929 BFB Injection Date: 06/25/2008

Instrument ID: HP5973F BFB Injection Time: 00:20

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N): Y

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	17.8		
75	30.0 - 60.0% of mass 95	41.8		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	6.8		
173	Less than 2.0% of mass 174	0.4	(0.5)	1
174	50 - 120 % of mass 95	77.8		
175	5.0 - 9.0% of mass 174	5.6	(7.2)	1
176	95.0 - 101.0% of mass 174	74.9	(96.3)	1
177	5.0 - 9.0% of mass 176	4.9	(6.5)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD005	A8I0000477-1	F2931.RR	06/25/2008	02:39
2	VSTD020	A8I0000477-1	F2932.RR	06/25/2008	03:05
3	VSTD050	A8I0000477-1	F2933.RR	06/25/2008	03:30
4	VSTD100	A8I0000477-1	F2934.RR	06/25/2008	03:56
5	VSTD200	A8I0000477-1	F2935.RR	06/25/2008	04:21

ARCADIS G & M INC
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0002203

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F3403 BFB Injection Date: 07/28/2008

Instrument ID: HP5973F BFB Injection Time: 09:51

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N): Y

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	18.6		
75	30.0 - 60.0% of mass 95	45.0		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	6.9		
173	Less than 2.0% of mass 174	0.3	(0.4)	1
174	50 - 120 % of mass 95	78.7		
175	5.0 - 9.0% of mass 174	6.2	(7.9)	1
176	95.0 - 101.0% of mass 174	77.2	(98.1)	1
177	5.0 - 9.0% of mass 176	5.6	(7.2)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD050	A8C0001870-1	F3404.RR	07/28/2008	10:18
2	MSB65	A8B1966001	F3405.RR	07/28/2008	10:47
3	VBLK65	A8B1966002	F3407.RR	07/28/2008	11:38
4	IB-1 (2-4')	A8891101	F3413.RR	07/28/2008	14:12
5	IB-1 (6-8')	A8891102	F3414.RR	07/28/2008	14:37
6	IB-2 (0.75-1.75')	A8891103	F3415.RR	07/28/2008	15:03
7	IB-2 (8-8.5')	A8891104	F3416.RR	07/28/2008	15:28

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0001870

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): F3404.RR Date Analyzed: 07/28/2008

Instrument ID: HP5973F Time Analyzed: 10:18

GC Column(1): ZB-624 ID: 0.200(mm) Heated Purge: (Y/N) Y

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		546347		6.99		508700		9.44		1168847		4.38	
	UPPER LIMIT		1092694		7.49		1017400		9.94		2337694		4.88	
	LOWER LIMIT		273174		6.49		254350		8.94		584424		3.88	
	CLIENT SAMPLE	Lab Sample ID												
1	IB-1 (2-4')	A8891101	522223		6.99		492982		9.44		1112065		4.38	
2	IB-1 (6-8')	A8891102	510835		6.99		482839		9.44		1086359		4.38	
3	IB-2 (0.75-1.75')	A8891103	515155		6.99		478321		9.44		1088662		4.38	
4	IB-2 (8-8.5')	A8891104	475067		6.99		417699		9.44		1001906		4.38	
5	MSB65	A8B1966001	548036		6.99		511676		9.44		1157841		4.38	
6	VBLK65	A8B1966002	500376		6.99		463213		9.44		1063075		4.38	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

Compare Client DL for PROJECT NY9A8463 and TASK 42 to Lab MDL
For METHOD: 8260 PROTOCOL: SW8463
For FRACTIONS: MV

Laboratory: A
ject Manager: CLF

Client Name	Project No	Tsk No	Parameter	TDL Type	Protcl	Method	Test	T M	UM	CDL	TDL	MDL	E X	E I	J	I
raction: MV																
adis G & M Inc	NY9A8463	42	1,1,1-Trichloroethane	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.26495	N		J	
adis G & M Inc	NY9A8463	42	1,1,1-Trichloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.26495	N		J	
adis G & M Inc	NY9A8463	42	1,1,1-Trichloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.36333	N		J	
adis G & M Inc	NY9A8463	42	1,1,2,2-Tetrachloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.21300	N		J	
adis G & M Inc	NY9A8463	42	1,1,2,2-Tetrachloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.81100	N		J	
adis G & M Inc	NY9A8463	42	1,1,2-Trichloro-1,2,2-trifluoroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.30900	N		J	
adis G & M Inc	NY9A8463	42	1,1,2-Trichloro-1,2,2-trifluoroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.53000	N		J	
adis G & M Inc	NY9A8463	42	1,1,2-Trichloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.23100	N		J	
adis G & M Inc	NY9A8463	42	1,1,2-Trichloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.25113	N		J	
adis G & M Inc	NY9A8463	42	1,1-Dichloroethane	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.75000	N		J	
adis G & M Inc	NY9A8463	42	1,1-Dichloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.75000	N		J	
adis G & M Inc	NY9A8463	42	1,1-Dichloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.58100	N		J	
adis G & M Inc	NY9A8463	42	1,1-Dichloroethene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.29324	N		J	
adis G & M Inc	NY9A8463	42	1,1-Dichloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.29324	N		J	
adis G & M Inc	NY9A8463	42	1,1-Dichloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.61200	N		J	
adis G & M Inc	NY9A8463	42	1,2,4-Trichlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.40765	N		J	
adis G & M Inc	NY9A8463	42	1,2,4-Trichlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.30424	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dibromo-3-chloropropane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	1.00000	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dibromo-3-chloropropane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.99600	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dibromoethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16600	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dibromoethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.18984	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dichlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.20300	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dichlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.75300	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dichloroethane	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.21400	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dichloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.21400	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dichloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.25113	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dichloropropane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.14400	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dichloropropane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.25615	N		J	
adis G & M Inc	NY9A8463	42	1,3-Dichlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16500	N		J	
adis G & M Inc	NY9A8463	42	1,3-Dichlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.70700	N		J	
adis G & M Inc	NY9A8463	42	1,4-Dichlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16200	N		J	
adis G & M Inc	NY9A8463	42	1,4-Dichlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.70000	N		J	
adis G & M Inc	NY9A8463	42	2-Butanone	CDL	SW8463	8260	CTA01933	W	UG/L	5.0000	5.00000	1.31800	N		J	
adis G & M Inc	NY9A8463	42	2-Butanone	EQL	SW8463	8260	ST001242	W	UG/L		5.00000	1.31800	N		J	
adis G & M Inc	NY9A8463	42	2-Butanone	EQL	SW8463	8260	ST001793	W	UG/L		5.00000	1.31800	N		J	
adis G & M Inc	NY9A8463	42	2-Butanone	EQL	SW8463	8260	ST001794	S	UG/KG		25.00000	6.80300	N		J	

- Exception Types: N - MDL "Not Found" * - TDL=0 or MDL=0 M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL) E - TDL>CDL (TDL Type CDL)

Laboratory: A
oject Manager: CLF

Client Name	Project No	Tsk No	Parameter	TDL Type	TDL Protcl	TDL Method	Test	T M	UM	CDL	TDL	MDL	E X	E T	J	T
cadis G & M Inc	NY9A8463	42	2-Hexanone	EQL	SW8463	8260	ST001793	W	UG/L		5.00000	1.24100	N		J	
cadis G & M Inc	NY9A8463	42	2-Hexanone	EQL	SW8463	8260	ST001794	S	UG/KG		25.00000	6.25000	N		J	
cadis G & M Inc	NY9A8463	42	4-Methyl-2-pentanone	EQL	SW8463	8260	ST001793	W	UG/L		5.00000	0.90900	N		J	
cadis G & M Inc	NY9A8463	42	4-Methyl-2-pentanone	EQL	SW8463	8260	ST001794	S	UG/KG		25.00000	6.25000	N		J	
cadis G & M Inc	NY9A8463	42	Acetone	EQL	SW8463	8260	ST001793	W	UG/L		5.00000	1.34500	N		J	
cadis G & M Inc	NY9A8463	42	Acetone	EQL	SW8463	8260	ST001794	S	UG/KG		25.00000	1.09700	N		J	
cadis G & M Inc	NY9A8463	42	Benzene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.16400	N		J	
cadis G & M Inc	NY9A8463	42	Benzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16400	N		J	
cadis G & M Inc	NY9A8463	42	Benzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.54700	N		J	
cadis G & M Inc	NY9A8463	42	Bromodichloromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.38565	N		J	
cadis G & M Inc	NY9A8463	42	Bromodichloromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.25710	N		J	
cadis G & M Inc	NY9A8463	42	Bromoform	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.25741	N		J	
cadis G & M Inc	NY9A8463	42	Bromoform	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.46139	N		J	
cadis G & M Inc	NY9A8463	42	Bromomethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.28161	N		J	
cadis G & M Inc	NY9A8463	42	Bromomethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.45888	N		J	
cadis G & M Inc	NY9A8463	42	Carbon Disulfide	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.19400	N		J	
cadis G & M Inc	NY9A8463	42	Carbon Disulfide	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.42871	N		J	
cadis G & M Inc	NY9A8463	42	Carbon Tetrachloride	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.26653	N		J	
cadis G & M Inc	NY9A8463	42	Carbon Tetrachloride	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.26653	N		J	
cadis G & M Inc	NY9A8463	42	Carbon Tetrachloride	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.68100	N		J	
cadis G & M Inc	NY9A8463	42	Chlorobenzene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.18300	N		J	
cadis G & M Inc	NY9A8463	42	Chlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.18300	N		J	
cadis G & M Inc	NY9A8463	42	Chlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.51400	N		J	
cadis G & M Inc	NY9A8463	42	Chloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.32373	N		J	
cadis G & M Inc	NY9A8463	42	Chloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.80900	N		J	
cadis G & M Inc	NY9A8463	42	Chloroform	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.33567	N		J	
cadis G & M Inc	NY9A8463	42	Chloroform	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.33567	N		J	
cadis G & M Inc	NY9A8463	42	Chloroform	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.30896	N		J	
cadis G & M Inc	NY9A8463	42	Chloromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.34573	N		J	
cadis G & M Inc	NY9A8463	42	Chloromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.30200	N		J	
cadis G & M Inc	NY9A8463	42	Cyclohexane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.22000	N		J	
cadis G & M Inc	NY9A8463	42	Cyclohexane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.23000	N		J	
cadis G & M Inc	NY9A8463	42	Dibromochloromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.32247	N		J	
cadis G & M Inc	NY9A8463	42	Dibromochloromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.27627	N		J	
cadis G & M Inc	NY9A8463	42	Dichlorodifluoromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.28538	N		J	
cadis G & M Inc	NY9A8463	42	Dichlorodifluoromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.41330	N		J	
cadis G & M Inc	NY9A8463	42	Ethylbenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.18400	N		J	

- Exception Types: N - MDL "Not Found" * - TDL=0 or MDL=0 M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL) E - TDL>CDL (TDL Type CDL)

Laboratory: A
)ject Manager: CLF

Client Name	Project No	Tsk No	Parameter	TDL Type	Protcl	Method	Test	T M	UM	CDL	TDL	MDL	E X	E T	J	I
adis G & M Inc	NY9A8463	42	Ethylbenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.34542	N		J	
adis G & M Inc	NY9A8463	42	Isopropylbenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.19300	N		J	
adis G & M Inc	NY9A8463	42	Isopropylbenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.32781	N		J	
adis G & M Inc	NY9A8463	42	Methyl acetate	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.17100	N		J	
adis G & M Inc	NY9A8463	42	Methyl acetate	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.99800	N		J	
adis G & M Inc	NY9A8463	42	Methyl-t-Butyl Ether (MTBE)	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16100	N		J	
adis G & M Inc	NY9A8463	42	Methyl-t-Butyl Ether (MTBE)	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.49100	N		J	
adis G & M Inc	NY9A8463	42	Methylcyclohexane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.22100	N		J	
adis G & M Inc	NY9A8463	42	Methylcyclohexane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.32404	N		J	
adis G & M Inc	NY9A8463	42	Methylene chloride	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.43845	N		J	
adis G & M Inc	NY9A8463	42	Methylene chloride	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	2.20000	N		J	
adis G & M Inc	NY9A8463	42	Styrene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.18500	N		J	
adis G & M Inc	NY9A8463	42	Styrene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.24955	N		J	
adis G & M Inc	NY9A8463	42	Tetrachloroethene	CDL	SW8463	8260	CTA01933	W	UG/L	0.5000	1.00000	0.36490	Y	E	J	
adis G & M Inc	NY9A8463	42	Tetrachloroethene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.36490	N		J	
adis G & M Inc	NY9A8463	42	Tetrachloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.36490	N		J	
adis G & M Inc	NY9A8463	42	Tetrachloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.67100	N		J	
adis G & M Inc	NY9A8463	42	Toluene	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.51000	N		J	
adis G & M Inc	NY9A8463	42	Toluene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.51000	N		J	
adis G & M Inc	NY9A8463	42	Toluene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.84800	N		J	
adis G & M Inc	NY9A8463	42	Total Xylenes	EQL	SW8463	8260	ST001793	W	UG/L		3.00000	0.93000	N		J	
adis G & M Inc	NY9A8463	42	Total Xylenes	EQL	SW8463	8260	ST001794	S	UG/KG		15.00000	2.93714	N		J	
adis G & M Inc	NY9A8463	42	Trichloroethene	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.17500	N		J	
adis G & M Inc	NY9A8463	42	Trichloroethene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.17500	N		J	
adis G & M Inc	NY9A8463	42	Trichloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.17500	N		J	
adis G & M Inc	NY9A8463	42	Trichloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.34510	N		J	
adis G & M Inc	NY9A8463	42	Trichlorofluoromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.15200	N		J	
adis G & M Inc	NY9A8463	42	Trichlorofluoromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	1.56400	N		J	
adis G & M Inc	NY9A8463	42	Vinyl chloride	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.24264	N		J	
adis G & M Inc	NY9A8463	42	Vinyl chloride	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.24264	N		J	
adis G & M Inc	NY9A8463	42	Vinyl chloride	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.24264	N		J	
adis G & M Inc	NY9A8463	42	Vinyl chloride	EQL	SW8463	8260	ST001794	S	UG/KG		10.00000	0.20398	N		J	
adis G & M Inc	NY9A8463	42	cis-1,2-Dichloroethene	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.16200	N		J	
adis G & M Inc	NY9A8463	42	cis-1,2-Dichloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16200	N		J	
adis G & M Inc	NY9A8463	42	cis-1,2-Dichloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.24641	N		J	
adis G & M Inc	NY9A8463	42	cis-1,3-Dichloropropene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.35516	N		J	
adis G & M Inc	NY9A8463	42	cis-1,3-Dichloropropene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.28538	N		J	

- Exception Types: N - MDL "Not Found" * - TDL=0 or MDL=0 M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL) E - TDL>CDL (TDL Type CDL)

Laboratory: A
ject Manager: CLF

Client Name	Project No	Tsk No	Parameter	TDL Type	Protcl	Method	Test	T M	UM	CDL	TDL	MDL	E X	E T	J	T
adis G & M Inc	NY9A8463	42	trans-1,2-Dichloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.12600	N		J	
adis G & M Inc	NY9A8463	42	trans-1,2-Dichloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.51577	N		J	
adis G & M Inc	NY9A8463	42	trans-1,3-Dichloropropene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.36836	N		J	
adis G & M Inc	NY9A8463	42	trans-1,3-Dichloropropene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.64200	N		J	

· Exception Types: N - MDL "Not Found" * - TDL=0 or MDL=0 M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL) E - TDL>CDL (TDL Type CDL)

Sample Data

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-1 (2-4')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891101

Sample wt/vol: 5.11 (g/mL) G Lab File ID: F3413.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 12 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	21	J
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	6	U
78-93-3	2-Butanone	28	U
75-15-0	Carbon Disulfide	6	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
106-93-4	1,2-Dibromoethane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	28	U
98-82-8	Isopropylbenzene	6	U
79-20-9	Methyl acetate	6	U
108-87-2	Methylcyclohexane	6	U
75-09-2	Methylene chloride	13	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: IB-1 (2-4')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891101

Sample wt/vol: 5.11 (g/mL) G Lab File ID: F3413.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 12 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

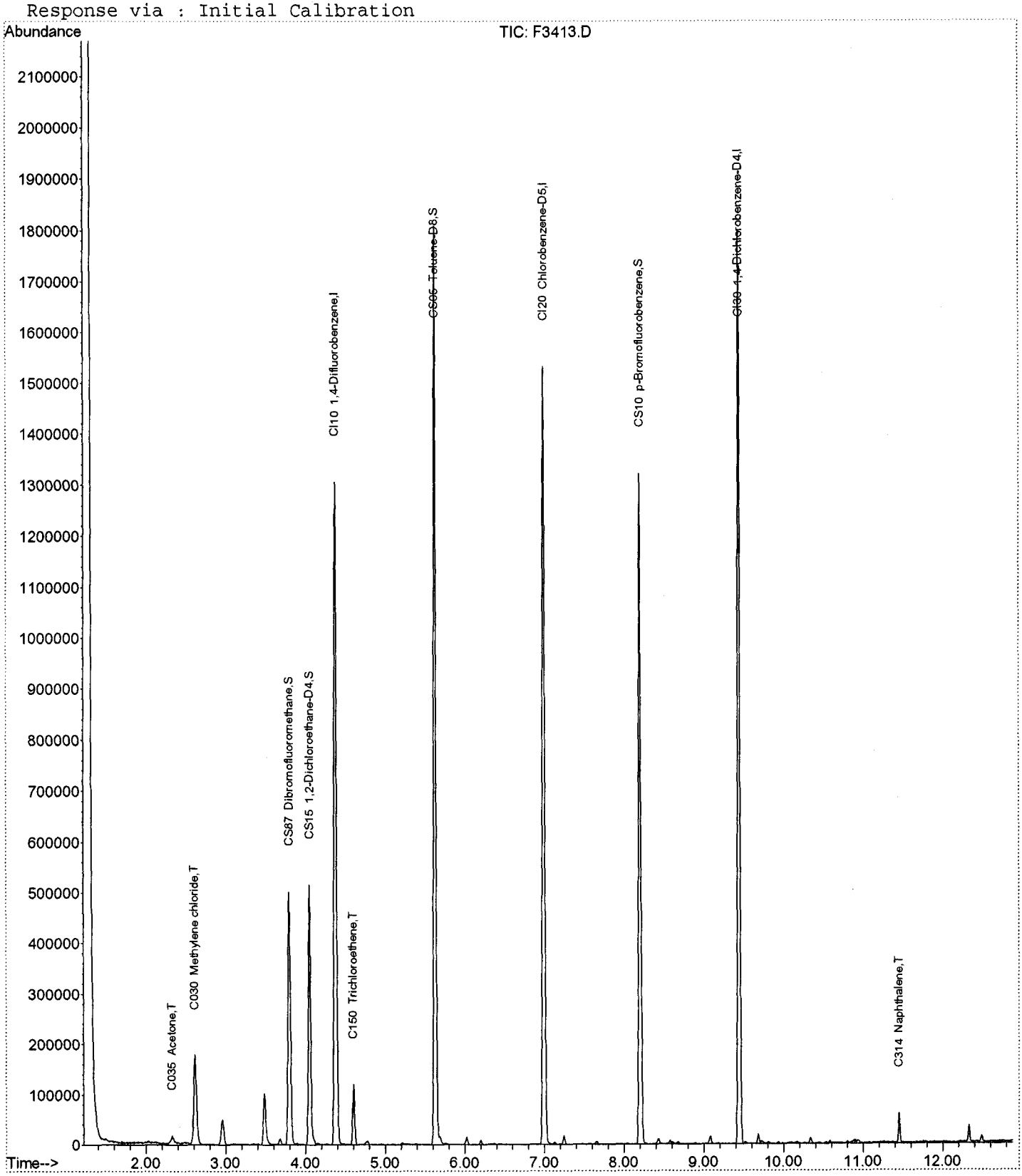
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	28	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
79-01-6	Trichloroethene	8	
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	17	U

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\F3413.D
Acq On : 28 Jul 2008 14:12
Sample : A8891101
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 29 12:00 2008

Vial: 10
Operator: LH
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000477.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 16:20:59 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3413.D Vial: 10
Acq On : 28 Jul 2008 14:12 Operator: LH
Sample : A8891101 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 29 09:24:40 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jul 29 09:23:20 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\072808\F3404.D (28 Jul 2008 10:18)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	1112065	250.00	ng	0.00 95.14%
43) CI20	Chlorobenzene-D5	6.99	82	522223	250.00	ng	0.00 95.58%
63) CI30	1,4-Dichlorobenzene-	9.44	152	492982	250.00	ng	0.00 96.91%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.80	111	322871	244.60	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery =	97.84%		
32) CS15	1,2-Dichloroethane-D	4.05	65	365032	232.68	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery =	93.07%		
44) CS05	Toluene-D8	5.63	98	1332634	252.45	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery =	100.98%		
62) CS10	p-Bromofluorobenzene	8.20	174	413278	265.72	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery =	106.29%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.38	85	421	N.D.		
3) C010	Chloromethane	1.47	50	481	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	2.03	101	1574	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	109898	57.97	ng	90
11) C040	Carbon disulfide	2.48	76	12270	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.33	43	31308	93.40	ng	93
15) C300	Acetonitrile	2.49	41	281	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	2.53	43	3426	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	3.69	42	803	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	3.68	83	9223	N.D.		
28) C256	Cyclohexane	3.90	56	1436	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

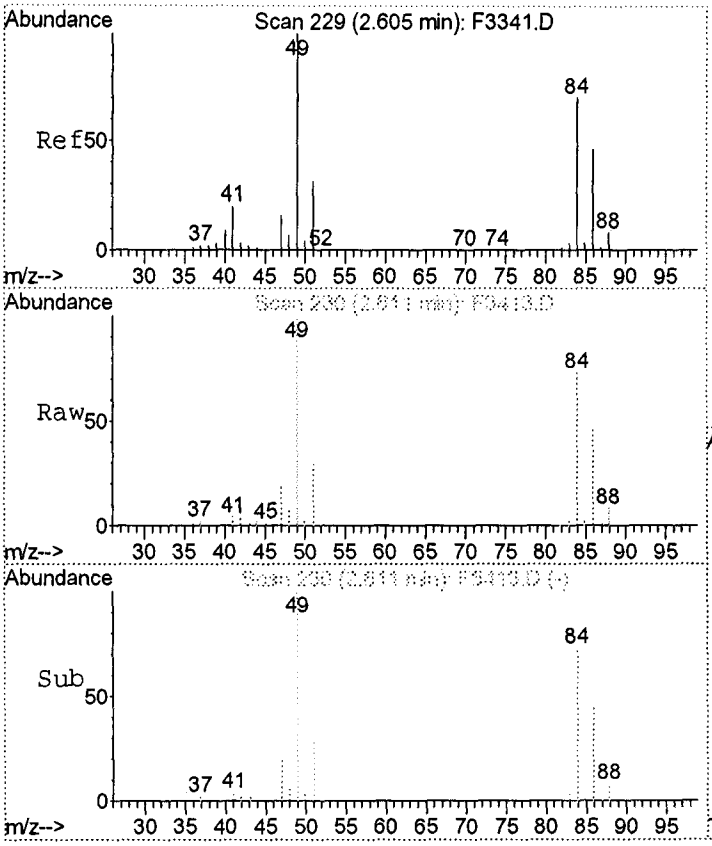
Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3413.D Vial: 10
Acq On : 28 Jul 2008 14:12 Operator: LH
Sample : A8891101 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 29 09:24:40 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jul 29 09:23:20 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	4.11	78	5518	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	0.00	43	0	N.D. d	
36)	C150	Trichloroethene	4.60	95	41852	36.52 ng	95
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	4.78	83	3478	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.70	92	5433	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.51	43	1205	N.D.	
50)	C220	Tetrachloroethene	6.20	166	2846	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	6.39	43	450	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.13	91	3898	N.D.	
58)	C246	m,p-Xylene	7.24	106	5440	N.D.	
59)	C247	o-Xylene	7.65	106	1496	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	8.04	105	137	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	8.48	91	618	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.68	105	3200	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	10731	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	10731	N.D.	
76)	C260	1,3-Dichlorobenzene	9.47	146	3680	N.D.	
77)	C309	p-Cymene (4-Isopropy	9.42	119	130	N.D.	
78)	C267	1,4-Dichlorobenzene	9.47	146	3680	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	9.82	91	459	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	43266	9.53 ng	96
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

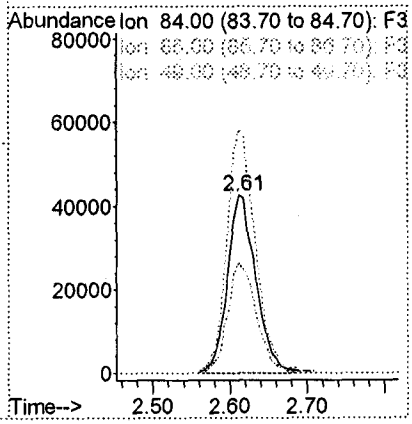
(#) = qualifier out of range (m) = manual integration

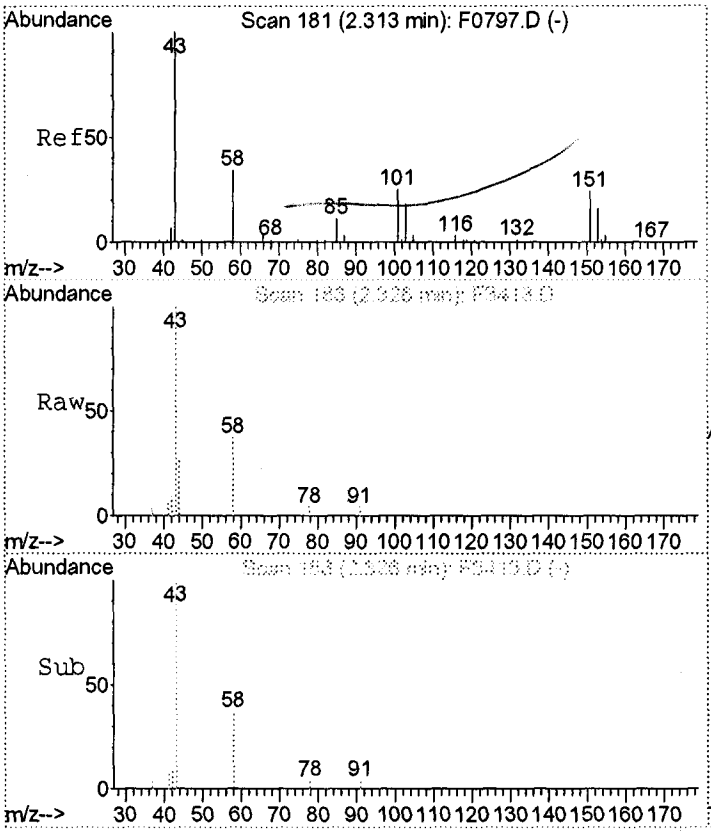


#10
C030 Methylene chloride
Concen: 57.97 ng
RT: 2.61 min Scan# 230
Delta R.T. 0.01 min
Lab File: F3413.D
Acq: 28 Jul 2008 14:12

Tgt Ion: 84 Resp: 109898

Ion	Ratio	Lower	Upper
84	100		
86	62.1	40.0	100.0
49	136.3	95.0	155.0

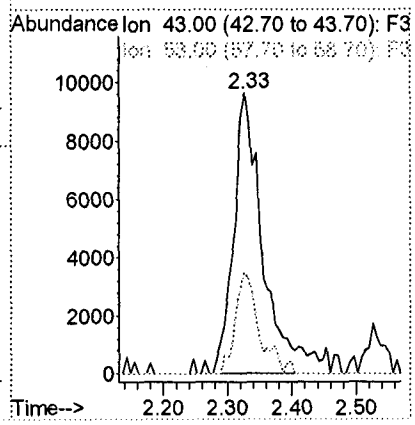


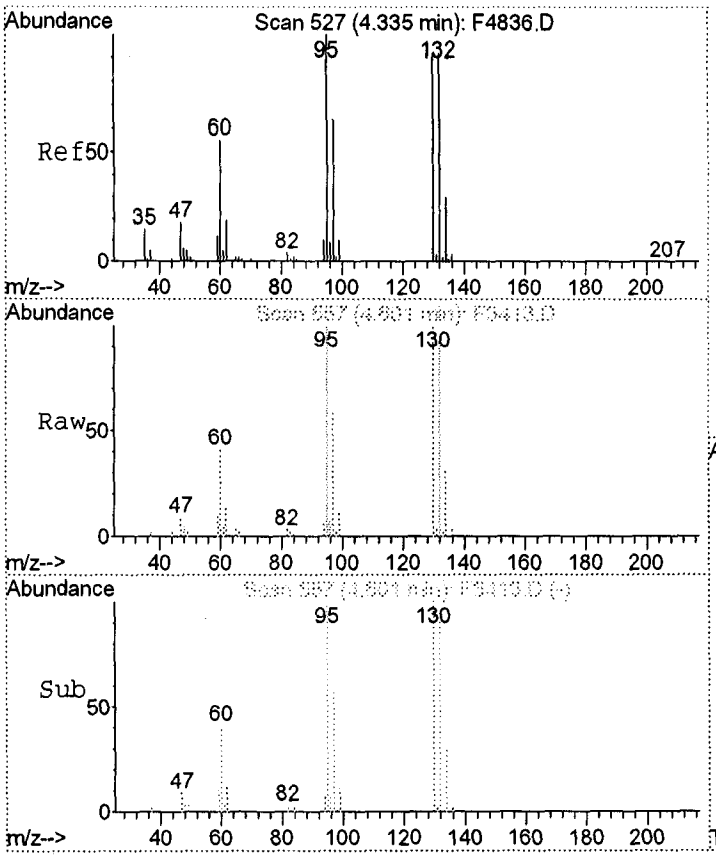


#14
C035 Acetone
Concen: 93.40 ng
RT: 2.33 min Scan# 183
Delta R.T. 0.01 min
Lab File: F3413.D
Acq: 28 Jul 2008 14:12

Tgt Ion: 43 Resp: 31308

Ion	Ratio	Lower	Upper
43	100		
58	36.9	3.0	63.0

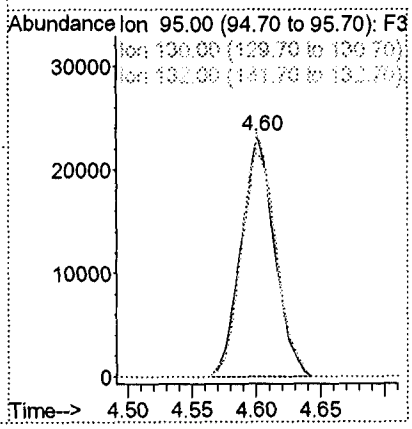


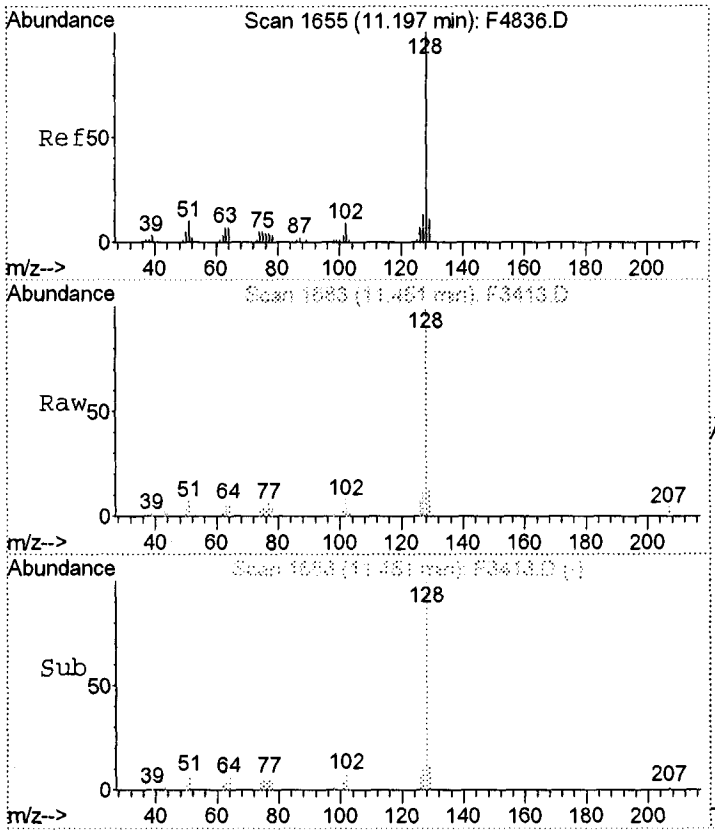


#36
C150 Trichloroethene
Concen: 36.52 ng
RT: 4.60 min Scan# 557
Delta R.T. 0.01 min
Lab File: F3413.D
Acq: 28 Jul 2008 14:12

Tgt Ion: 95 Resp: 41852

Ion	Ratio	Lower	Upper
95	100		
130	100.8	64.7	124.7
132	94.0	67.5	127.5

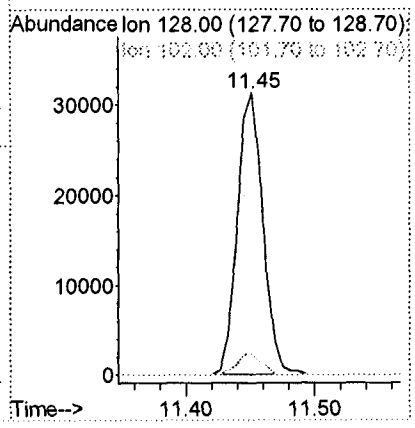




#84
C314 Naphthalene
Concen: 9.53 ng
RT: 11.45 min Scan# 1683
Delta R.T. -0.00 min
Lab File: F3413.D
Acq: 28 Jul 2008 14:12

Tgt Ion:128 Resp: 43266

Ion	Ratio	Lower	Upper
128	100		
102	7.8	0.0	39.4



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-1 (6-8')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891102

Sample wt/vol: 5.31 (g/mL) G Lab File ID: F3414.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 18 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	54	
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	6	U
78-93-3	2-Butanone	11	J
75-15-0	Carbon Disulfide	1	J
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
106-93-4	1,2-Dibromoethane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	cis-1,2-Dichloroethene	3	J
156-60-5	trans-1,2-Dichloroethene	2	J
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	29	U
98-82-8	Isopropylbenzene	6	U
79-20-9	Methyl acetate	6	U
108-87-2	Methylcyclohexane	6	U
75-09-2	Methylene chloride	6	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-1 (6-8')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891102

Sample wt/vol: 5.31 (g/mL) G Lab File ID: F3414.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 18 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	29	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	2	J
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
79-01-6	Trichloroethene	6	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	17	U

Quantitation Report (QT Reviewed)

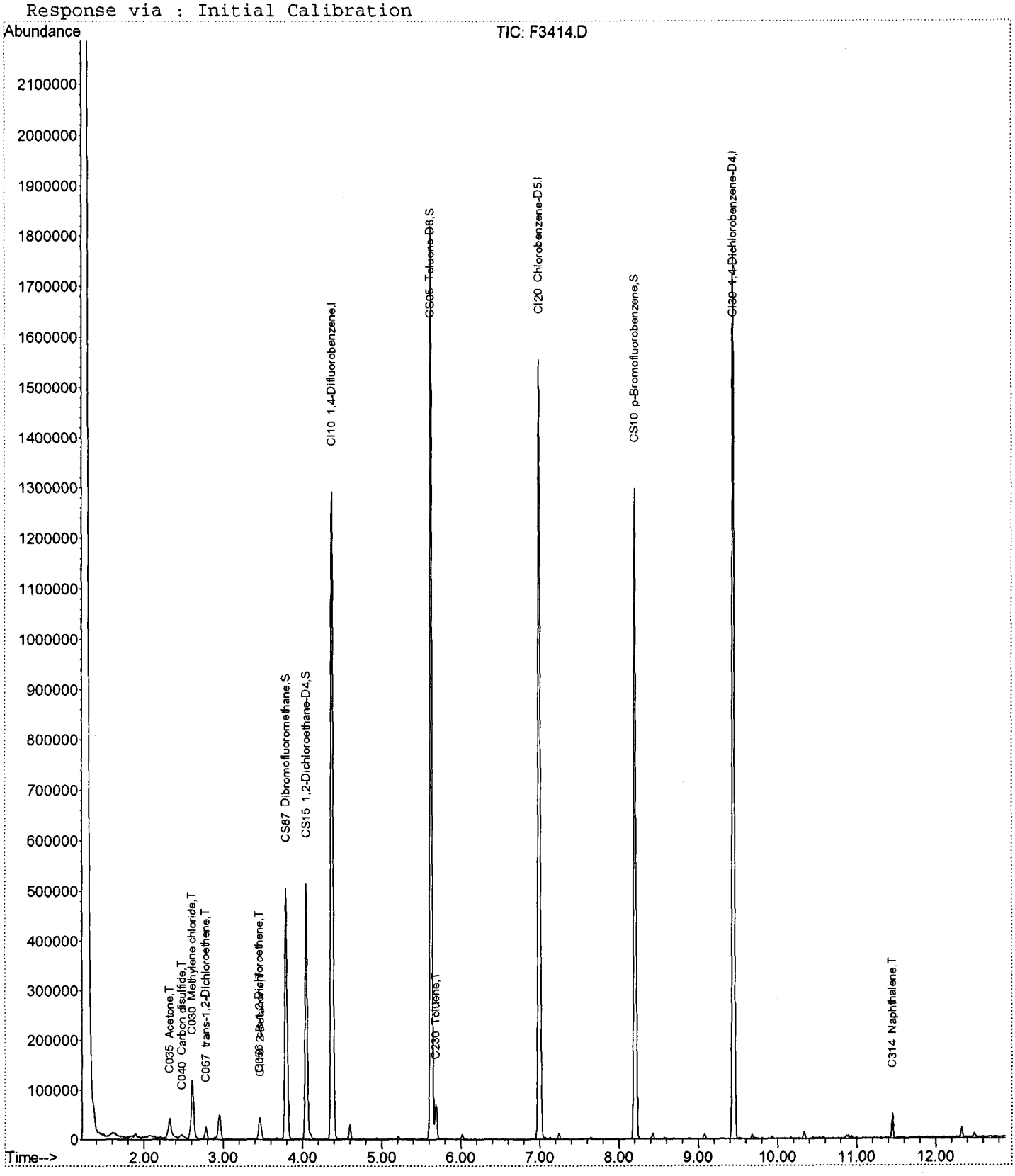
Data File : H:\GCMS_VOA\TEMP\F3414.D
Acq On : 28 Jul 2008 14:37
Sample : A8891102
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 29 9:24 2008

Vial: 11
Operator: LH
Inst : HP5973F
Multiplr: 1.00

5.31

Quant Results File: A8I00000477.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 16:20:59 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3414.D Vial: 11
Acq On : 28 Jul 2008 14:37 Operator: LH
Sample : A8891102 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 29 09:24:47 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jul 29 09:23:20 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\072808\F3404.D (28 Jul 2008 10:18)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	1086359	250.00	ng	0.00 92.94%
43) CI20	Chlorobenzene-D5	6.99	82	510835	250.00	ng	0.00 93.50%
63) CI30	1,4-Dichlorobenzene-	9.44	152	482839	250.00	ng	0.00 94.92%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.79	111	320671	248.68	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery =	99.47%		
32) CS15	1,2-Dichloroethane-D	4.05	65	361418	235.82	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery =	94.33%		
44) CS05	Toluene-D8	5.62	98	1323178	256.24	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery =	102.50%		
62) CS10	p-Bromofluorobenzene	8.20	174	404286	265.73	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery =	106.29%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	1.49	50	140	N.D.		
4) C020	Vinyl chloride	1.56	62	154	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	2.03	101	309	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	71319	28.22	ng	94
11) C040	Carbon disulfide	2.47	76	18043	5.62	ng	93
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.33	43	77445	236.50	ng	90
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	2.50	43	4116	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	2.79	96	9741	8.12	ng	90
20) C050	1,1-Dichloroethane	3.06	63	3735	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	3.46	96	17631	13.46	ng	89
24) C272	Tetrahydrofuran	3.68	42	478	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	3.67	83	3142	N.D.		
28) C256	Cyclohexane	3.88	56	447	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

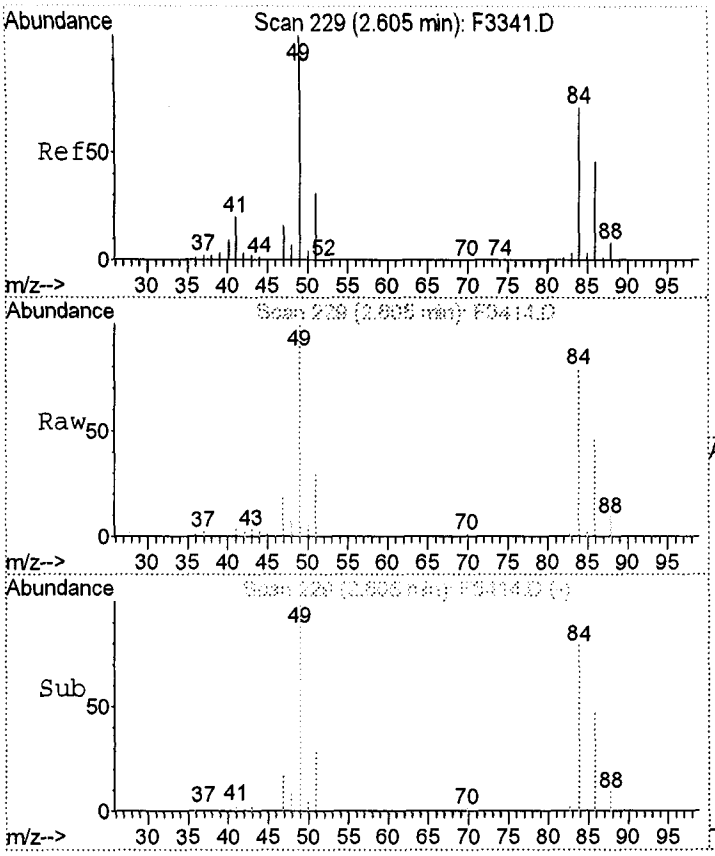
Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3414.D Vial: 11
Acq On : 28 Jul 2008 14:37 Operator: LH
Sample : A8891102 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 29 09:24:47 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jul 29 09:23:20 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	4.10	78	7239	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	3.48	43	29987	46.56 ng	56
36)	C150	Trichloroethene	4.59	95	9704	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	4.77	83	642	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.68	92	29685	10.43 ng	82
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.50	43	1794	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	6.27	43	136	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.13	91	3142	N.D.	
58)	C246	m,p-Xylene	7.24	106	3824	N.D.	
59)	C247	o-Xylene	7.64	106	1022	N.D.	
60)	C245	Styrene	7.67	104	153	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	8.05	105	145	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	8.48	91	493	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.67	105	2185	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	7501	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	7501	N.D.	
76)	C260	1,3-Dichlorobenzene	9.47	146	3328	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.47	146	3328	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	37259	8.38 ng	94
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

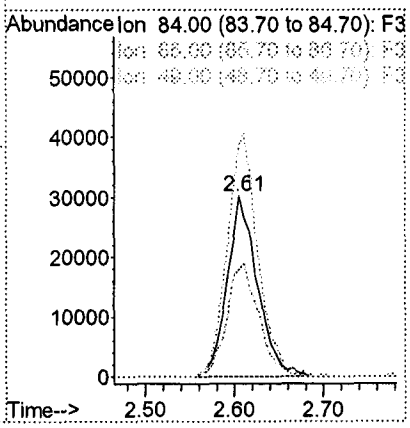
(#) = qualifier out of range (m) = manual integration

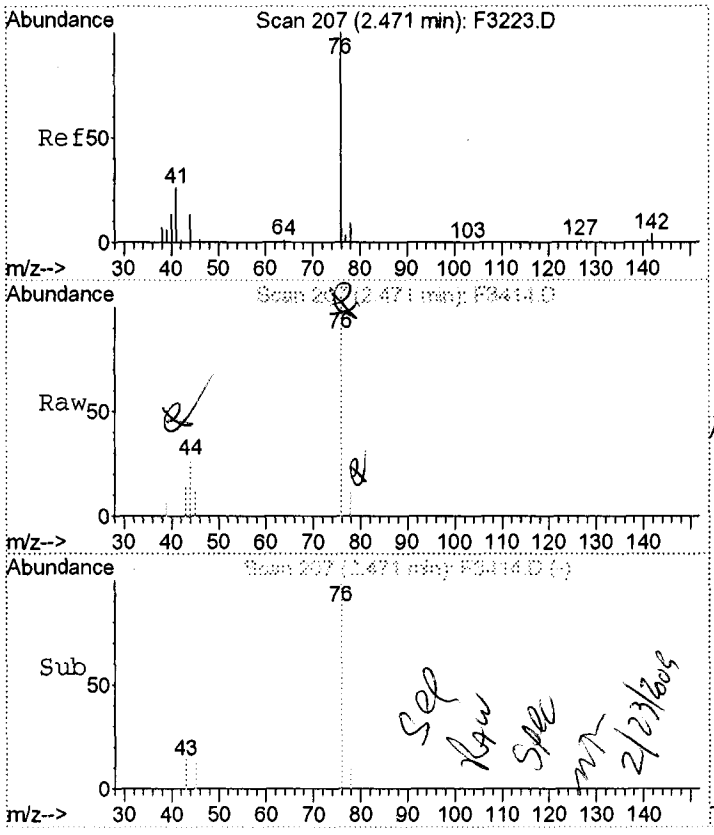


#10
C030 Methylene chloride
Concen: 28.22 ng
RT: 2.61 min Scan# 229
Delta R.T. -0.00 min
Lab File: F3414.D
Acq: 28 Jul 2008 14:37

Tgt Ion: 84 Resp: 71319

Ion	Ratio	Lower	Upper
84	100		
86	59.4	40.0	100.0
49	126.6	95.0	155.0

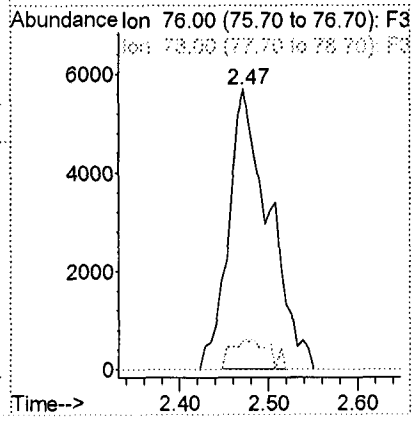


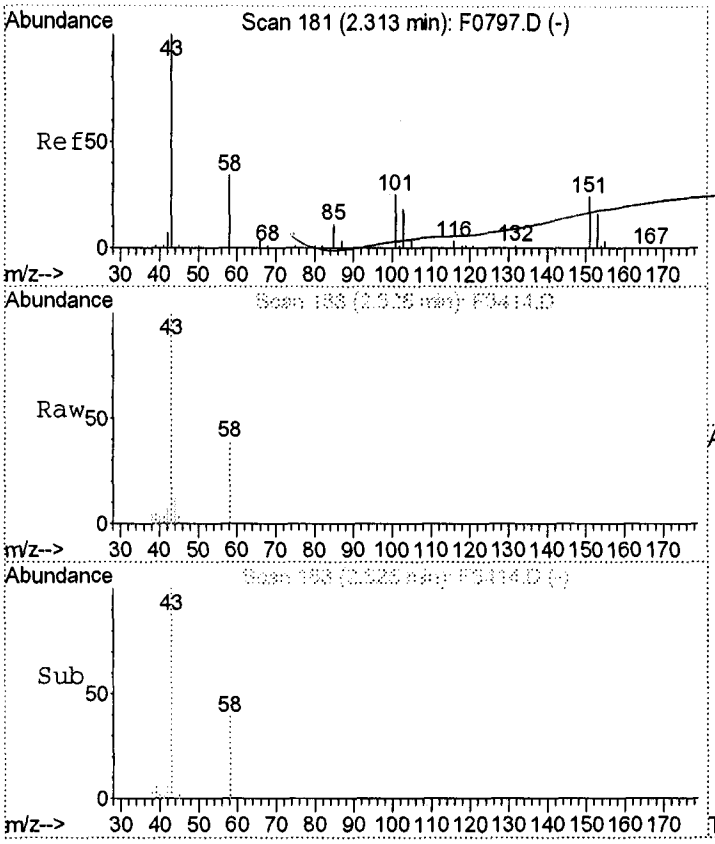


#11
C040 Carbon disulfide
Concen: 5.62 ng
RT: 2.47 min Scan# 207
Delta R.T. -0.00 min
Lab File: F3414.D
Acq: 28 Jul 2008 14:37

Tgt Ion: 76 Resp: 18043

Ion	Ratio	Lower	Upper
76	100		
78	10.6	0.0	38.0

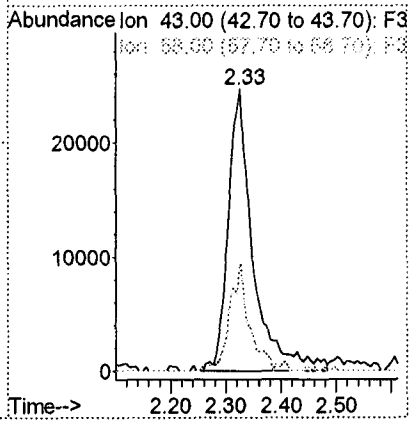


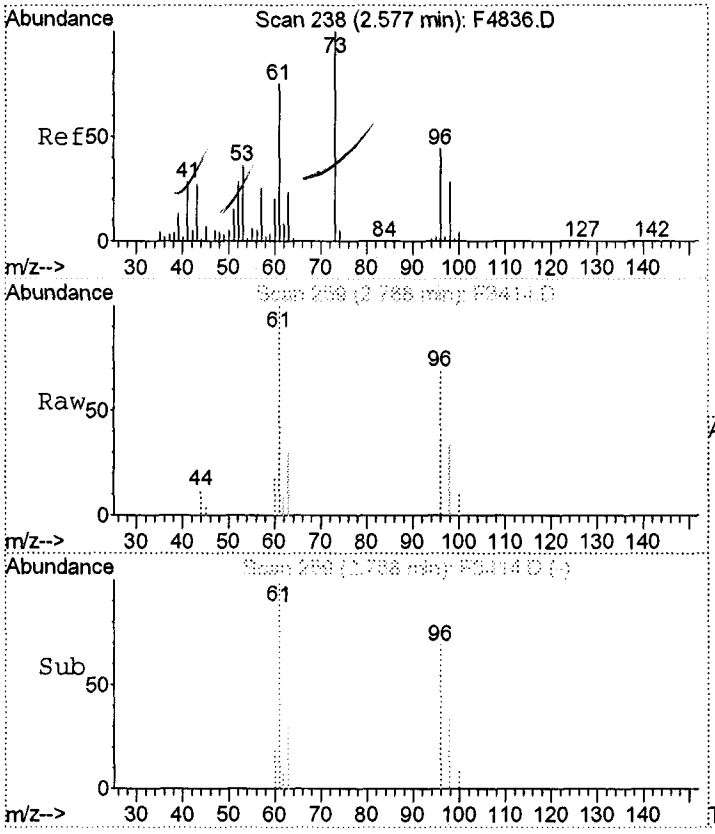


#14
C035 Acetone
Concen: 236.50 ng
RT: 2.33 min Scan# 183
Delta R.T. 0.01 min
Lab File: F3414.D
Acq: 28 Jul 2008 14:37

Tgt Ion: 43 Resp: 77445

Ion	Ratio	Lower	Upper
43	100		
58	38.8	3.0	63.0

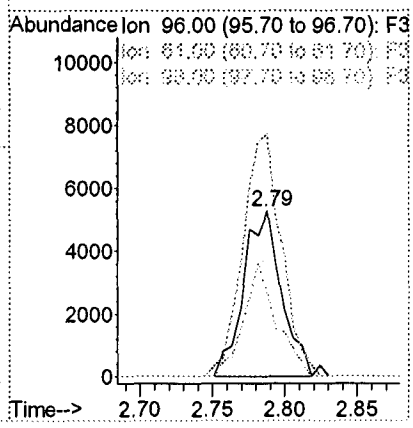


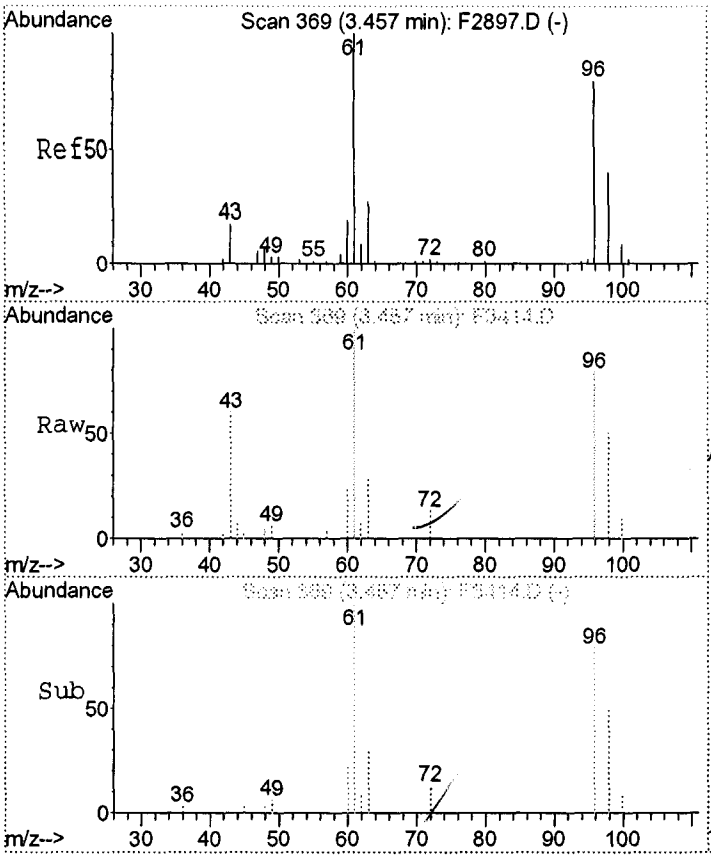


#19
C057 trans-1,2-Dichloroethene
Concen: 8.12 ng
RT: 2.79 min Scan# 259
Delta R.T. 0.01 min
Lab File: F3414.D
Acq: 28 Jul 2008 14:37

Tgt Ion: 96 Resp: 9741

Ion	Ratio	Lower	Upper
96	100		
61	145.8	129.4	189.4
98	50.0	27.4	87.4

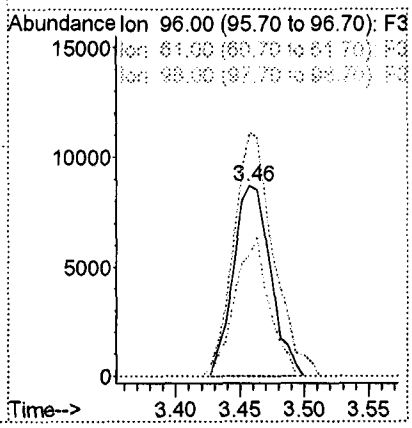


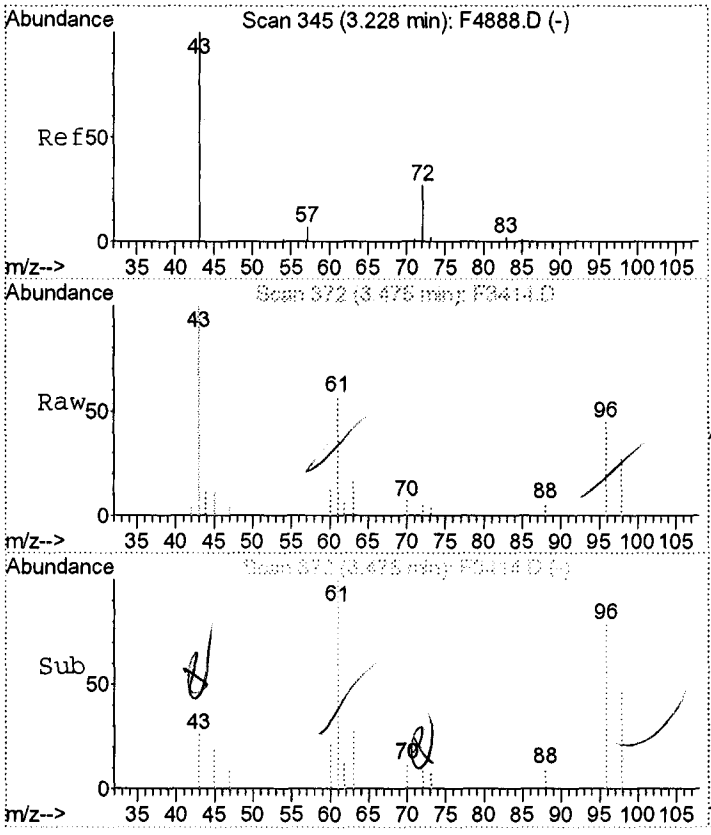


#23
C056 cis-1,2-Dichloroethene
Concen: 13.46 ng
RT: 3.46 min Scan# 369
Delta R.T. -0.00 min
Lab File: F3414.D
Acq: 28 Jul 2008 14:37

Tgt Ion: 96 Resp: 17631

Ion	Ratio	Lower	Upper
96	100		
61	127.1	111.4	171.4
98	64.2	28.3	88.3

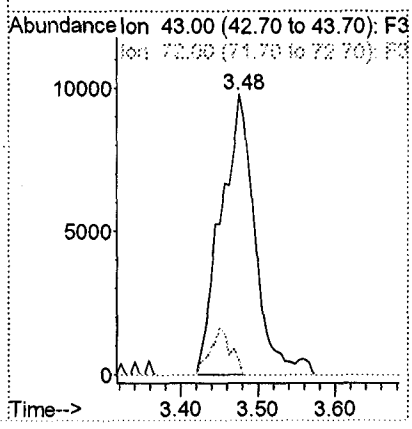


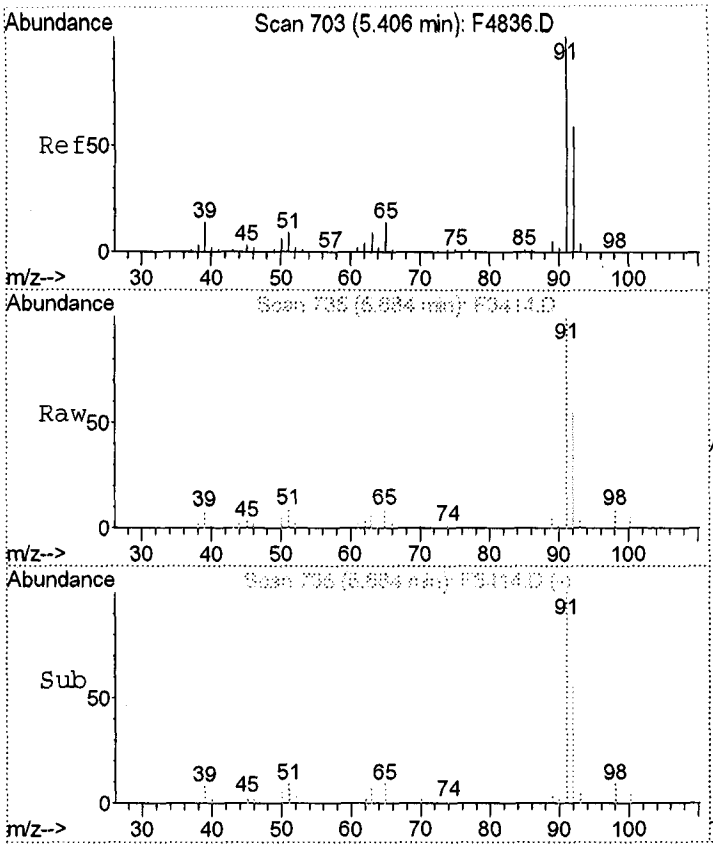


#35
C110 2-Butanone
Concen: 46.56 ng
RT: 3.48 min Scan# 372
Delta R.T. 0.03 min
Lab File: F3414.D
Acq: 28 Jul 2008 14:37

Tgt Ion: 43 Resp: 29987

Ion	Ratio	Lower	Upper
43	100		
72	5.3	0.0	58.5

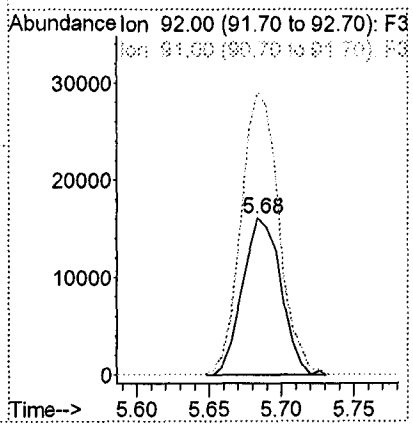


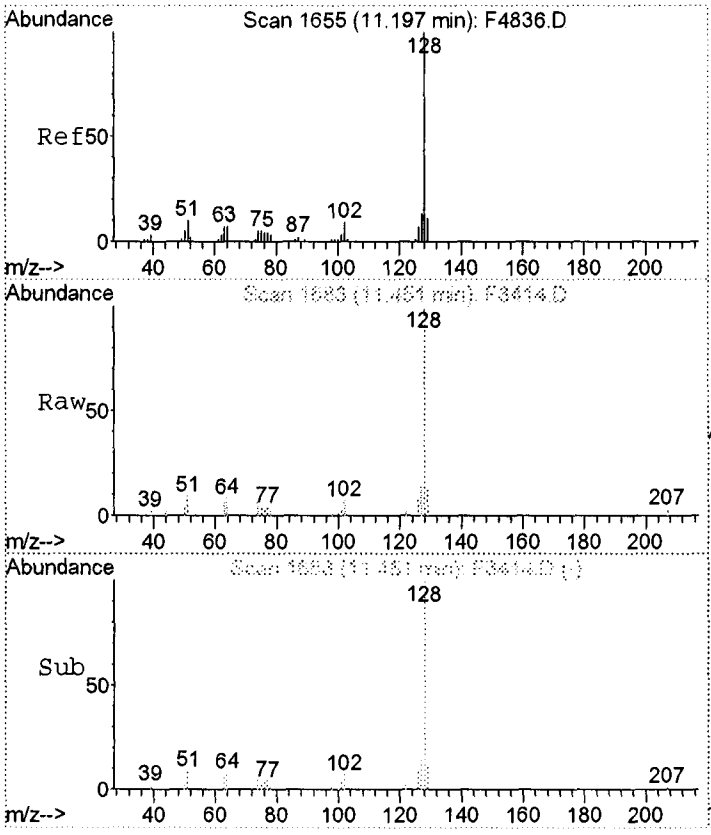


#45
C230 Toluene
Concen: 10.43 ng
RT: 5.68 min Scan# 735
Delta R.T. -0.00 min
Lab File: F3414.D
Acq: 28 Jul 2008 14:37

Tgt Ion: 92 Resp: 29685

Ion	Ratio	Lower	Upper
92	100		
91	180.4	126.9	186.9

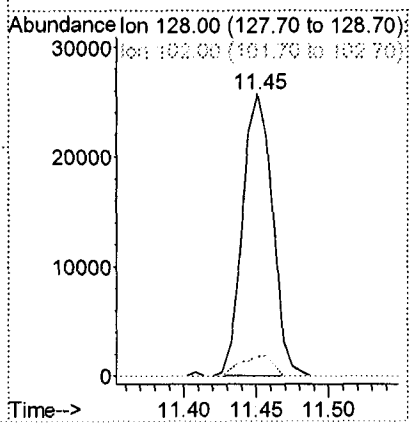




#84
C314 Naphthalene
Concen: 8.38 ng
RT: 11.45 min Scan# 1683
Delta R.T. -0.00 min
Lab File: F3414.D
Acq: 28 Jul 2008 14:37

Tgt Ion:128 Resp: 37259

Ion	Ratio	Lower	Upper
128	100		
102	7.1	0.0	39.4



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-2 (0.75-1.75')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891103

Sample wt/vol: 5.04 (g/mL) G Lab File ID: F3415.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 11 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	47	
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	6	U
78-93-3	2-Butanone	28	U
75-15-0	Carbon Disulfide	2	J
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
106-93-4	1,2-Dibromoethane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	28	U
98-82-8	Isopropylbenzene	6	U
79-20-9	Methyl acetate	6	U
108-87-2	Methylcyclohexane	6	U
75-09-2	Methylene chloride	5	J

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-2 (0.75-1.75')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891103

Sample wt/vol: 5.04 (g/mL) G Lab File ID: F3415.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 11 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	28	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
79-01-6	Trichloroethene	6	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	17	U

Quantitation Report (QT Reviewed)

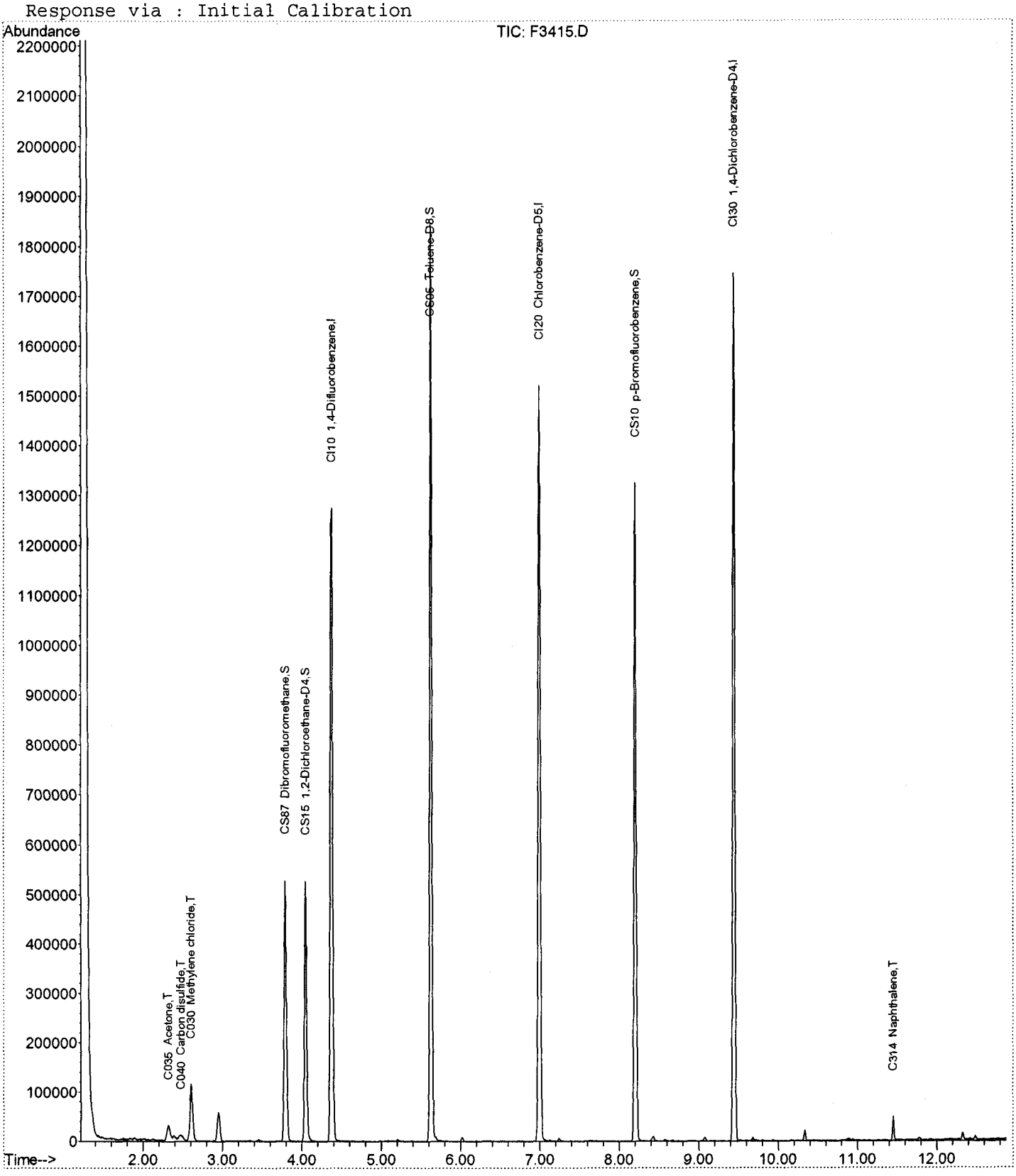
Data File : H:\GCMS_VOA\TEMP\F3415.D
Acq On : 28 Jul 2008 15:03
Sample : A8891103
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 29 9:24 2008

Vial: 12
Operator: LH
Inst : HP5973F
Multiplr: 1.00

5.04

Quant Results File: A8I00000477.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 16:20:59 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3415.D Vial: 12
Acq On : 28 Jul 2008 15:03 Operator: LH
Sample : A8891103 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 29 09:24:54 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jul 29 09:23:20 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\072808\F3404.D (28 Jul 2008 10:18)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	1088662	250.00	ng	0.00 93.14%
43) CI20	Chlorobenzene-D5	6.99	82	515155	250.00	ng	0.00 94.29%
63) CI30	1,4-Dichlorobenzene-	9.44	152	478321	250.00	ng	0.00 94.03%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.79	111	323639	250.45	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery =	100.18%		
32) CS15	1,2-Dichloroethane-D	4.05	65	366004	238.31	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery =	95.32%		
44) CS05	Toluene-D8	5.62	98	1322423	253.95	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery =	101.58%		
62) CS10	p-Bromofluorobenzene	8.20	174	409680	267.02	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery =	106.81%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	1.45	50	183	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	2.02	101	494	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	66221	23.89	ng	99
11) C040	Carbon disulfide	2.48	76	29692	9.23	ng	92
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.32	43	69063	210.46	ng	84
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	2.51	43	2333	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	3.67	83	1552	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

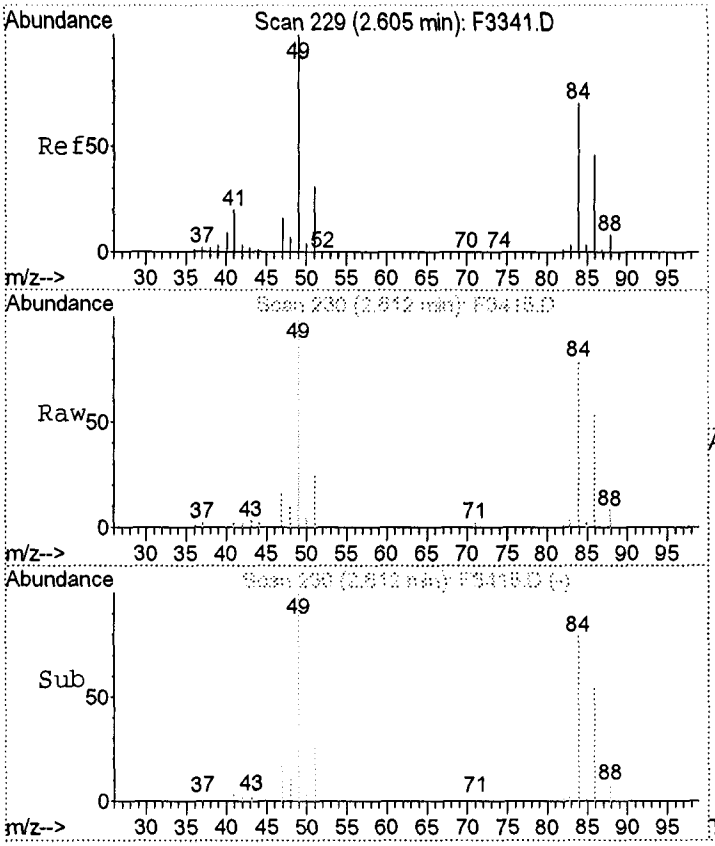
Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3415.D Vial: 12
Acq On : 28 Jul 2008 15:03 Operator: LH
Sample : A8891103 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 29 09:24:54 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jul 29 09:23:20 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	4.10	78	3400	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	3.46	43	7641	N.D.	
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	4.77	83	774	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.69	92	2443	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.50	43	465	N.D.	
50)	C220	Tetrachloroethene	6.20	166	609	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	6.38	43	141	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.13	91	2358	N.D.	
58)	C246	m,p-Xylene	7.24	106	2761	N.D.	
59)	C247	o-Xylene	7.65	106	491	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	8.60	91	128	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.66	105	876	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	5465	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	5465	N.D.	
76)	C260	1,3-Dichlorobenzene	9.47	146	3843	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.47	146	3843	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	10.33	75	388	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	32493	7.38 ng	98
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

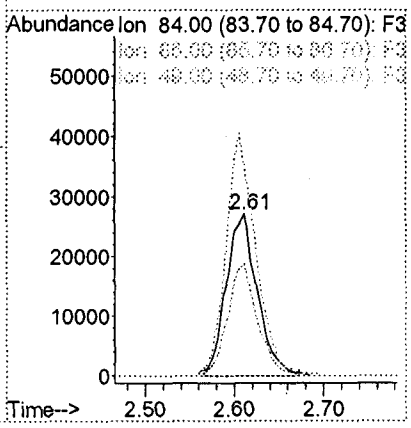
(#) = qualifier out of range (m) = manual integration

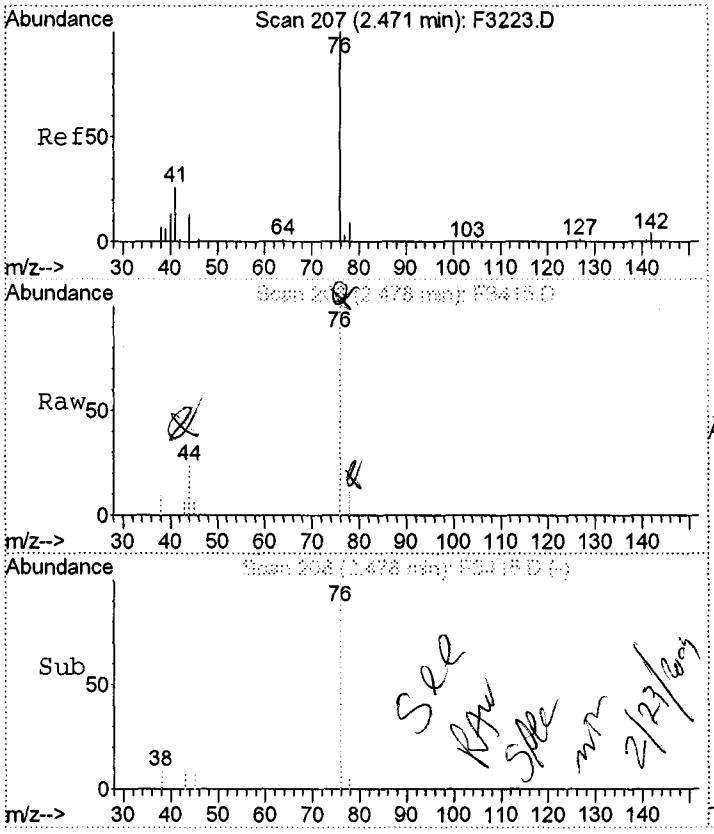


#10
C030 Methylene chloride
Concen: 23.89 ng
RT: 2.61 min Scan# 230
Delta R.T. 0.01 min
Lab File: F3415.D
Acq: 28 Jul 2008 15:03

Tgt Ion: 84 Resp: 66221

Ion	Ratio	Lower	Upper
84	100		
86	69.2	40.0	100.0
49	126.1	95.0	155.0

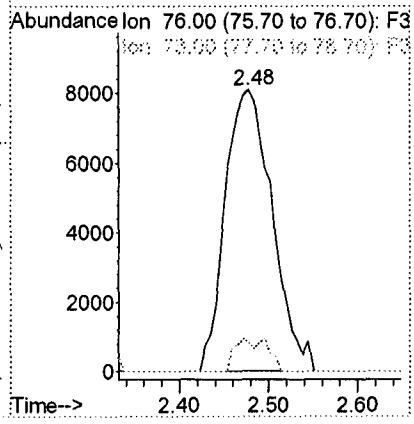


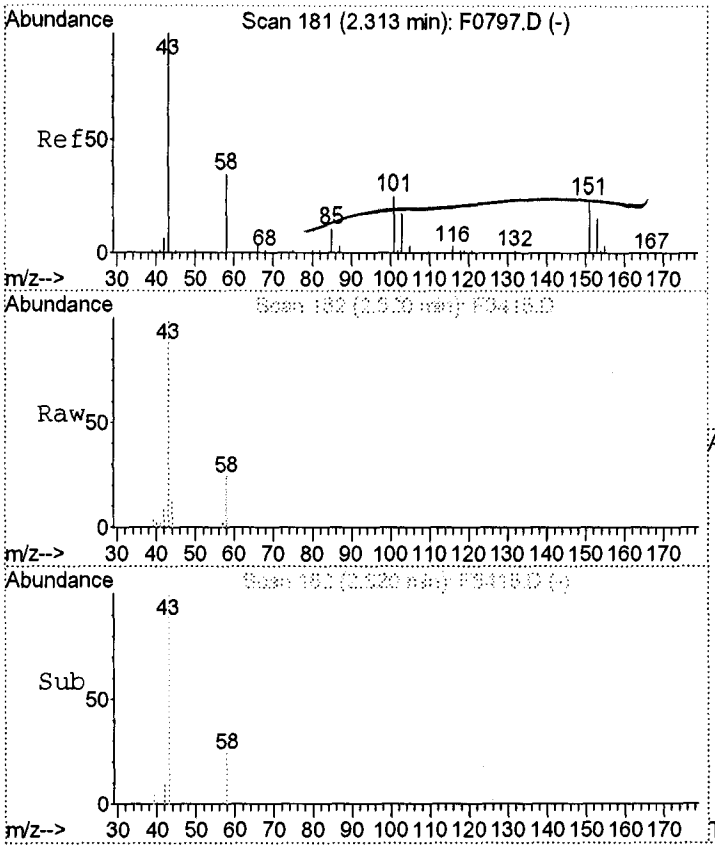


#11
C040 Carbon disulfide
Concen: 9.23 ng
RT: 2.48 min Scan# 208
Delta R.T. 0.01 min
Lab File: F3415.D
Acq: 28 Jul 2008 15:03

Tgt Ion: 76 Resp: 29692

Ion	Ratio	Lower	Upper
76	100		
78	10.7	0.0	38.0

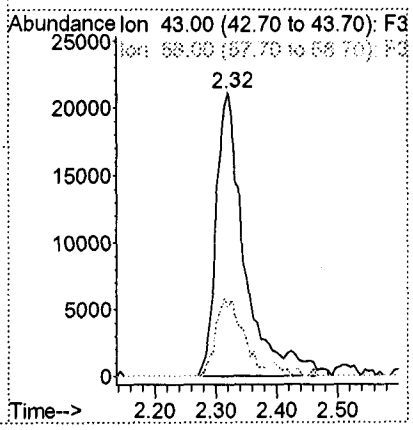


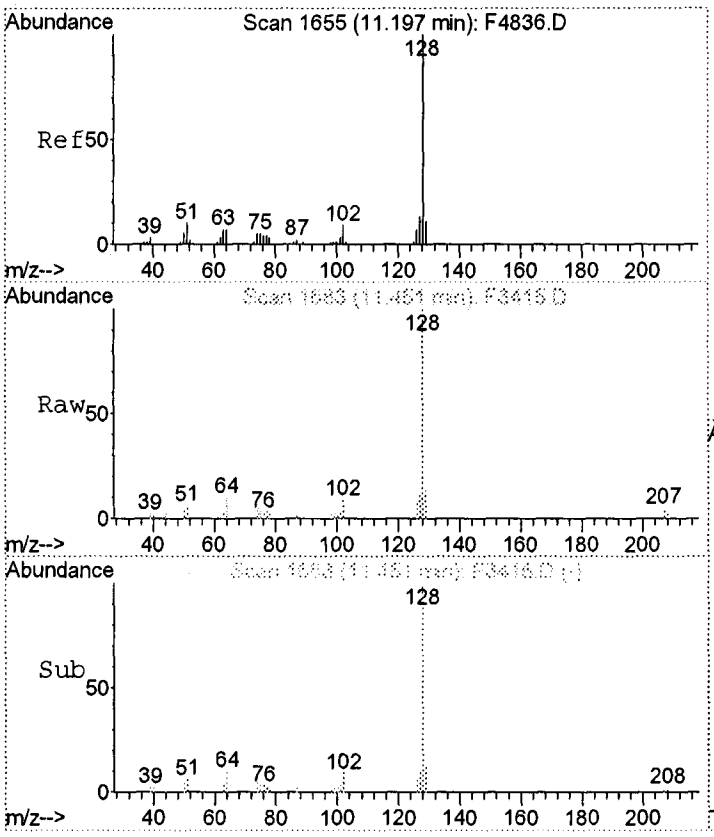


#14
C035 Acetone
Concen: 210.46 ng
RT: 2.32 min Scan# 182
Delta R.T. 0.01 min
Lab File: F3415.D
Acq: 28 Jul 2008 15:03

Tgt Ion: 43 Resp: 69063

Ion	Ratio	Lower	Upper
43	100		
58	24.1	3.0	63.0

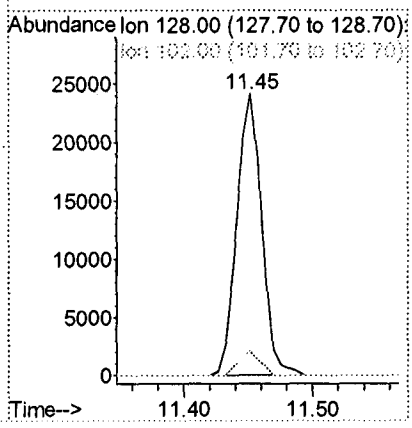




#84
C314 Naphthalene
Concen: 7.38 ng
RT: 11.45 min Scan# 1683
Delta R.T. 0.00 min
Lab File: F3415.D
Acq: 28 Jul 2008 15:03

Tgt Ion:128 Resp: 32493

Ion	Ratio	Lower	Upper
128	100		
102	8.6	0.0	39.4



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: IB-2 (8-8.5')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891104

Sample wt/vol: 5.25 (g/mL) G Lab File ID: F3416.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	21	J
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-2 (8-8.5')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891104

Sample wt/vol: 5.25 (g/mL) G Lab File ID: F3416.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	26	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	16	U

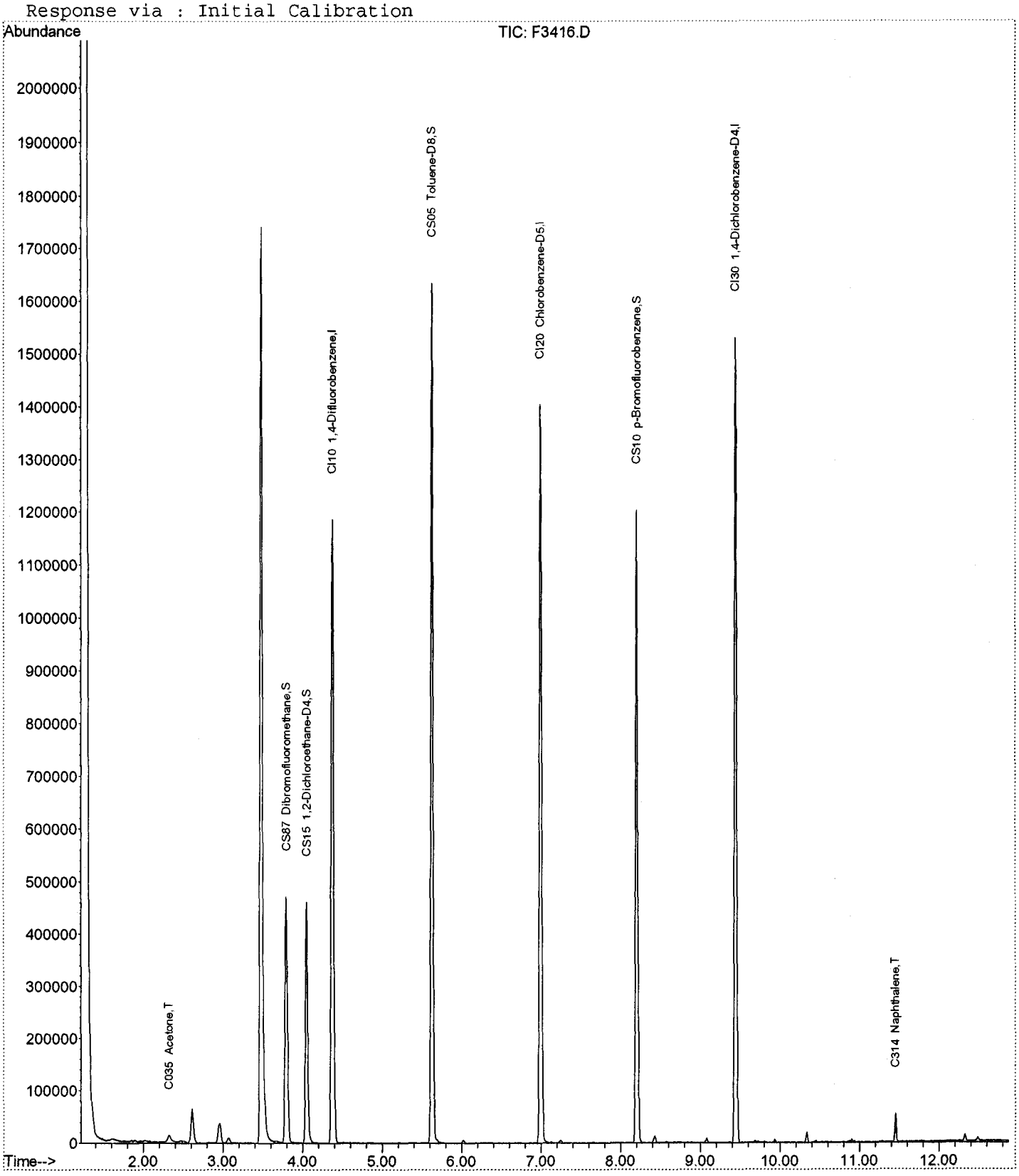
Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\F3416.D
Acq On : 28 Jul 2008 15:28
Sample : A8891104
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 29 12:01 2008

Vial: 13
Operator: LH
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000477.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 16:20:59 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3416.D Vial: 13
Acq On : 28 Jul 2008 15:28 Operator: LH
Sample : A8891104 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 29 09:25:00 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jul 29 09:23:20 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\072808\F3404.D (28 Jul 2008 10:18)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	1001906	250.00	ng	0.00 85.72%
43) CI20	Chlorobenzene-D5	6.99	82	475067	250.00	ng	0.00 86.95%
63) CI30	1,4-Dichlorobenzene-	9.44	152	417699	250.00	ng	0.00 82.11%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.80	111	307451	258.53	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery =	103.41%		
32) CS15	1,2-Dichloroethane-D	4.05	65	341645	241.71	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery =	96.68%		
44) CS05	Toluene-D8	5.63	98	1234005	256.97	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery =	102.79%		
62) CS10	p-Bromofluorobenzene	8.20	174	369239	260.97	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery =	104.39%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.36	85	132	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	37600	N.D.		
11) C040	Carbon disulfide	2.47	76	11579	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.33	43	30260	100.20	ng	99
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	2.51	43	1698	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	3.06	63	2903	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	3.46	96	840	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	3.68	83	1254	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

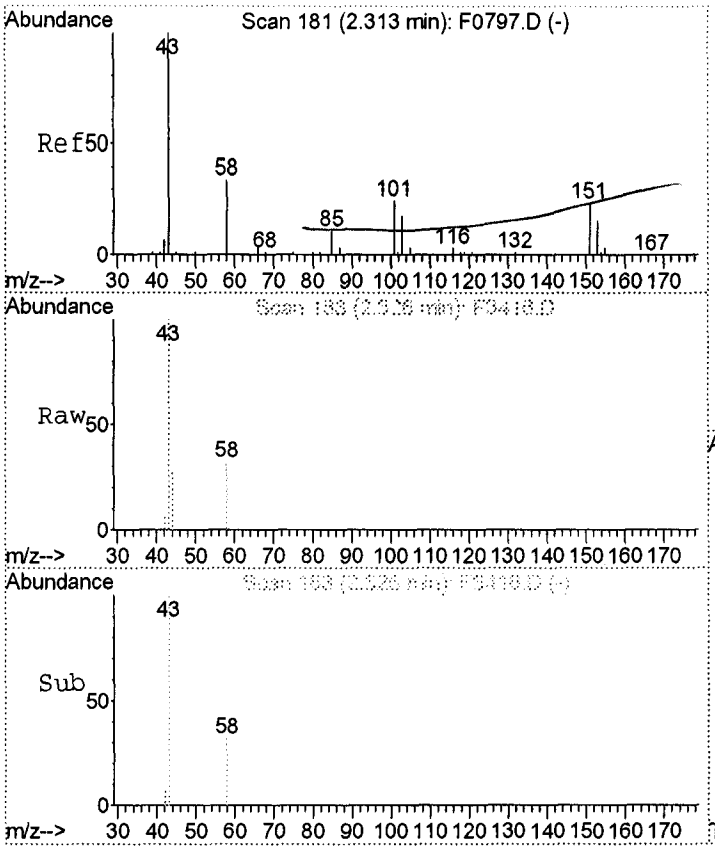
Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3416.D Vial: 13
Acq On : 28 Jul 2008 15:28 Operator: LH
Sample : A8891104 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 29 09:25:00 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jul 29 09:23:20 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	4.11	78	3242	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	0.00	43	0	N.D. d	
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	4.76	83	477	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.69	92	1578	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.38	43	339	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	0.00	43	0	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.14	91	1388	N.D.	
58)	C246	m,p-Xylene	7.24	106	2564	N.D.	
59)	C247	o-Xylene	7.65	106	471	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	8.48	91	553	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.67	105	1269	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	5175	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	5175	N.D.	
76)	C260	1,3-Dichlorobenzene	9.46	146	4450	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.46	146	4450	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	10.33	75	404	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	37835	9.83 ng	95
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

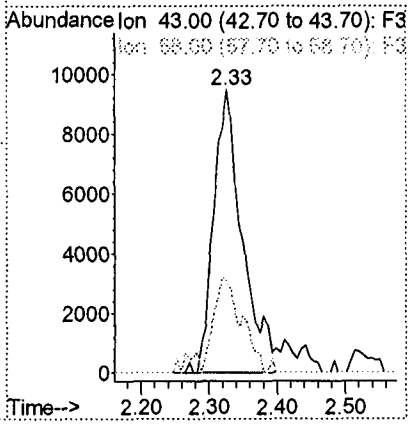
(#) = qualifier out of range (m) = manual integration

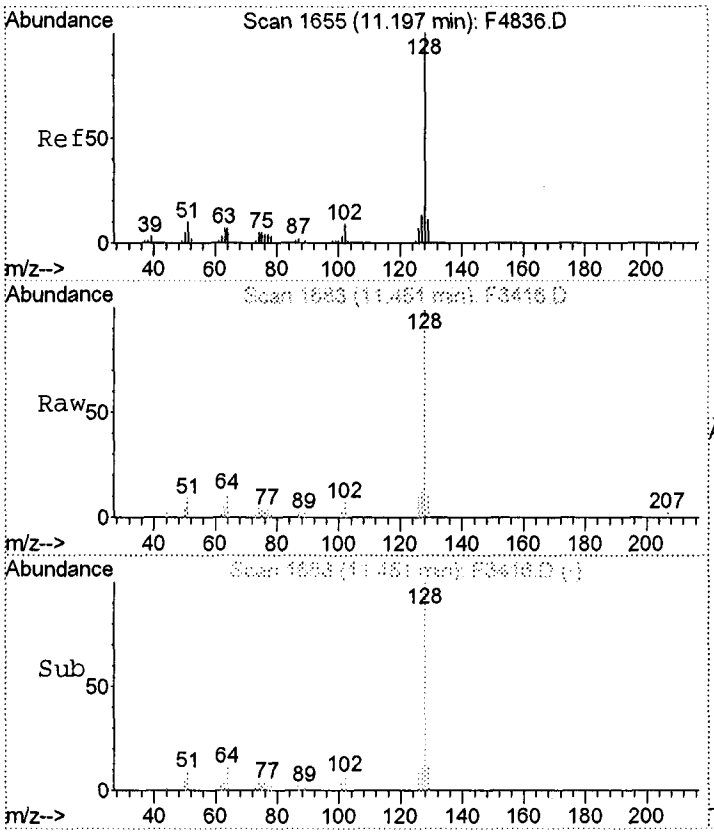


#14
C035 Acetone
Concen: 100.20 ng
RT: 2.33 min Scan# 183
Delta R.T. 0.01 min
Lab File: F3416.D
Acq: 28 Jul 2008 15:28

Tgt Ion: 43 Resp: 30260

Ion	Ratio	Lower	Upper
43	100		
58	32.2	3.0	63.0

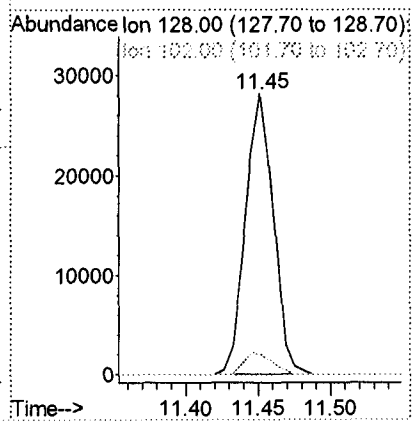




#84
C314 Naphthalene
Concen: 9.83 ng
RT: 11.45 min Scan# 1683
Delta R.T. 0.00 min
Lab File: F3416.D
Acq: 28 Jul 2008 15:28

Tgt Ion:128 Resp: 37835

Ion	Ratio	Lower	Upper
128	100		
102	7.4	0.0	39.4



Standards

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000477-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Intrument ID: HP5973F Calibration Dates(s): 06/25/2008 06/25/2008

Heated Purge (Y/N): Y Calibration Times: 02:39 04:21

GC Column: ZB-624 ID: 0.20(mm)

Lab File ID: RRF5 = F2931.RR RRF20 = F2932.RR
RRF50 = F2933.RR RRF100 = F2934.RR RRF200 = F2935.RR

COMPOUND		RRF5	RRF20	RRF50	RRF100	RRF200	AVG RRF	% RSD	
Chloromethane	#	0.356	0.337	0.332	0.315	0.310	0.3300	5.600	#
Bromomethane		0.127	0.119	0.123	0.121	0.117	0.1210	3.200	
Vinyl chloride	*	0.283	0.271	0.260	0.253	0.247	0.2630	5.400	*
Chloroethane		0.127	0.117	0.119	0.112	0.116	0.1180	4.400	
Methylene chloride		0.547	0.347	0.324	0.301	0.286	0.3610	29.500	
Acetone		0.083	0.076	0.079	0.076	0.064	0.0750	9.000	
Carbon Disulfide		0.800	0.743	0.749	0.740	0.663	0.7390	6.600	
1,1-Dichloroethene	*	0.184	0.179	0.183	0.173	0.148	0.1730	8.400	*
1,1-Dichloroethane	#	0.543	0.498	0.496	0.466	0.435	0.4870	8.300	#
cis-1,2-Dichloroethene		0.334	0.302	0.307	0.289	0.275	0.3010	7.400	
trans-1,2-Dichloroethene		0.310	0.282	0.274	0.265	0.249	0.2760	8.200	
Chloroform	*	0.459	0.432	0.430	0.411	0.397	0.4260	5.500	*
1,2-Dichloroethane		0.369	0.341	0.348	0.335	0.320	0.3430	5.400	
2-Butanone		0.149	0.150	0.159	0.151	0.133	0.1480	6.300	
1,1,1-Trichloroethane		0.354	0.333	0.338	0.335	0.325	0.3370	3.100	
Carbon Tetrachloride		0.249	0.245	0.252	0.256	0.253	0.2510	1.700	
Bromodichloromethane		0.279	0.291	0.304	0.304	0.303	0.2960	3.800	
1,2-Dichloropropane	*	0.321	0.300	0.306	0.287	0.275	0.2980	5.900	*
cis-1,3-Dichloropropene		0.408	0.408	0.429	0.417	0.406	0.4140	2.300	
Trichloroethene		0.285	0.257	0.256	0.250	0.241	0.2580	6.300	
Dibromochloromethane		0.366	0.395	0.439	0.457	0.465	0.4240	10.000	
1,1,2-Trichloroethane		0.398	0.391	0.412	0.407	0.387	0.3990	2.600	
Benzene		1.196	1.114	1.088	1.059	0.954	1.0820	8.100	
trans-1,3-Dichloropropene		0.686	0.715	0.761	0.768	0.761	0.7380	4.900	
Bromoform	#	0.200	0.233	0.273	0.295	0.306	0.2610	17.000	#
4-Methyl-2-pentanone		0.633	0.632	0.666	0.629	0.535	0.6190	8.000	
2-Hexanone		0.450	0.444	0.477	0.454	0.389	0.4430	7.400	
Tetrachloroethene		0.567	0.534	0.516	0.505	0.477	0.5200	6.400	
1,1,2,2-Tetrachloroethane	#	0.702	0.699	0.736	0.706	0.670	0.7020	3.300	#
Toluene	*	1.586	1.409	1.371	1.330	1.270	1.3930	8.600	*
Chlorobenzene	#	1.552	1.456	1.438	1.409	1.339	1.4390	5.400	#
Ethylbenzene	*	2.704	2.575	2.496	2.405	2.189	2.4740	7.800	*
Styrene		1.538	1.565	1.567	1.500	1.397	1.5130	4.600	
Total Xylenes		1.005	0.965	0.945	0.902	0.844	0.9320	6.600	
1,1,2-Trichloro-1,2,2-trifl		0.196	0.185	0.180	0.178	0.157	0.1790	7.800	
1,2,4-Trichlorobenzene		0.994	0.945	0.931	0.876	0.832	0.9150	6.900	
1,2-Dibromo-3-chloropropane		0.094	0.111	0.119	0.127	0.127	0.1150	12.100	

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000477-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Intrument ID: HP5973F_____ Calibration Dates(s): 06/25/2008 06/25/2008

Heated Purge (Y/N): Y Calibration Times: 02:39 04:21

GC Column: ZB-624 ID: 0.20(mm)

Lab File ID: RRF5 = F2931.RR RRF20 = F2932.RR
RRF50 = F2933.RR RRF100 = F2934.RR RRF200 = F2935.RR

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	AVG RRF	% RSD
1,2-Dibromoethane	0.459	0.452	0.477	0.470	0.451	0.4610	2.400
1,2-Dichlorobenzene	1.303	1.218	1.215	1.132	1.069	1.1870	7.600
1,3-Dichlorobenzene	1.326	1.259	1.237	1.184	1.150	1.2310	5.600
1,4-Dichlorobenzene	1.348	1.265	1.264	1.213	1.169	1.2520	5.400
Cyclohexane	0.591	0.555	0.530	0.523	0.482	0.5360	7.500
Dichlorodifluoromethane	0.186	0.173	0.178	0.176	0.173	0.1770	3.100
Methyl acetate	0.397	0.396	0.398	0.377	0.342	0.3820	6.300
Trichlorofluoromethane	0.278	0.253	0.241	0.234	0.237	0.2490	7.200
Methyl-t-Butyl Ether (MTBE)	0.802	0.817	0.830	0.772	0.749	0.7940	4.200
Isopropylbenzene	2.669	2.571	2.512	2.420	2.303	2.4950	5.600
Methylcyclohexane	0.522	0.505	0.477	0.465	0.424	0.4780	8.000
Toluene-D8	2.914	2.480	2.642	2.438	2.162	2.5270	11.000
p-Bromofluorobenzene	0.886	0.724	0.745	0.716	0.652	0.7450	11.600
1,2-Dichloroethane-D4	0.404	0.348	0.358	0.332	0.321	0.3530	9.100

Comments:

Response Factor Report HP5973F

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:27:34 2008
Response via : Initial Calibration

8260 (A8I...0477)

Calibration Files
1 =F2931.D 2 =F2932.D 3 =F2933.D
4 =F2934.D 5 =F2935.D

		Compound		1	2	3	4	5	Avg	%RSD
1)	I	CI10	1,4-Difluoroben	----------ISTD----------						
2)	T	C290	Dichlorodifluor	0.186	0.173	0.178	0.176	0.173	0.177	3.09
3)	T	C010	Chloromethane	0.356	0.337	0.332	0.315	0.310	0.330	5.57
4)	T	C020	Vinyl chloride	0.283	0.271	0.260	0.253	0.247	0.263	5.44
5)	T	C015	Bromomethane	0.127	0.119	0.123	0.121	0.117	0.121	3.17
6)	T	C025	Chloroethane	0.127	0.117	0.119	0.112	0.116	0.118	4.45
7)	T	C275	Trichlorofluoro	0.278	0.253	0.241	0.234	0.237	0.249	7.20
8)	T	C291	1,1,2-Trichloro	0.196	0.185	0.180	0.178	0.157	0.179	7.84
9)	T	C045	1,1-Dichloroeth	0.184	0.179	0.183	0.173	0.148	0.173	8.46
10)	T	C030	Methylene chlor	0.547	0.347	0.324	0.301	0.286	-----	
								L M=	0.278	R^2=0.999
								B=	0.037	
11)	T	C040	Carbon disulfid	0.800	0.743	0.749	0.740	0.663	0.739	6.62
12)	T	C036	Acrolein	0.013	0.013	0.014	0.013	0.012	0.013	3.92
13)	T	C038	Acrylonitrile	0.121	0.121	0.128	0.123	0.111	0.121	5.18
14)	T	C035	Acetone	0.082	0.076	0.078	0.076	0.064	0.075	8.98
15)	T	C300	Acetonitrile	0.042	0.041	0.042	0.041	0.038	0.041	4.66
16)	T	C276	Iodomethane	0.372	0.355	0.347	0.333	0.328	0.347	5.03
17)	T	C255	Methyl Acetate	0.397	0.396	0.398	0.377	0.342	0.382	6.32
18)	T	C962	T-butyl Methyl	0.802	0.817	0.830	0.772	0.749	0.794	4.19
19)	T	C057	trans-1,2-Dichl	0.310	0.282	0.274	0.264	0.249	0.276	8.23
20)	T	C050	1,1-Dichloroeth	0.543	0.498	0.496	0.466	0.435	0.487	8.28
21)	T	C125	Vinyl Acetate	0.564	0.561	0.587	0.532	0.442	0.537	10.54
22)	T	C051	2,2-Dichloropro	0.348	0.335	0.327	0.324	0.314	0.330	3.86
23)	T	C056	cis-1,2-Dichlor	0.334	0.302	0.307	0.289	0.275	0.301	7.36
24)	T	C272	Tetrahydrofuran	0.100	0.102	0.110	0.105	0.093	0.102	6.25
25)	T	C222	Bromochlorometh	0.138	0.134	0.142	0.134	0.131	0.136	3.26
26)	T	C060	Chloroform	0.459	0.432	0.430	0.411	0.397	0.426	5.54
27)	S	CS87	Dibromofluorome	0.327	0.288	0.306	0.289	0.273	0.297	6.92
28)	T	C256	Cyclohexane	0.591	0.555	0.529	0.523	0.482	0.536	7.51
29)	T	C115	1,1,1-Trichloro	0.354	0.333	0.338	0.335	0.325	0.337	3.14
30)	T	C120	Carbon tetrachl	0.249	0.245	0.252	0.256	0.253	0.251	1.68
31)	T	C116	1,1-Dichloropro	0.362	0.343	0.334	0.324	0.308	0.334	6.08
32)	S	CS15	1,2-Dichloroeth	0.404	0.348	0.358	0.332	0.321	0.353	9.08
33)	T	C165	Benzene	1.196	1.114	1.088	1.059	0.954	1.082	8.11
34)	T	C065	1,2-Dichloroeth	0.369	0.341	0.348	0.335	0.319	0.343	5.35
35)	T	C110	2-Butanone	0.149	0.150	0.159	0.151	0.133	0.148	6.36
36)	T	C150	Trichloroethene	0.285	0.257	0.256	0.250	0.241	0.258	6.34
37)	T	C161	2-Chloroethylvi	0.135	0.142	0.150	0.114	0.117	0.132	12.01
38)	T	C012	Methylcyclohexa	0.522	0.505	0.477	0.465	0.424	0.478	7.96
39)	T	C140	1,2-Dichloropro	0.321	0.300	0.306	0.287	0.275	0.298	5.93
40)	T	C278	Dibromomethane	0.150	0.154	0.158	0.156	0.150	0.154	2.27
41)	T	C130	Bromodichlorome	0.279	0.291	0.304	0.303	0.303	0.296	3.78
42)	T	C145	cis-1,3-Dichlor	0.408	0.408	0.429	0.416	0.406	0.414	2.27
43)	I	CI20	Chlorobenzene-D	----------ISTD----------						
44)	S	CS05	Toluene-D8	2.914	2.480	2.641	2.438	2.161	2.527	10.95
45)	T	C230	Toluene	1.586	1.409	1.371	1.330	1.270	1.393	8.59
46)	T	C170	trans-1,3-Dichl	0.686	0.715	0.761	0.768	0.761	0.738	4.89
47)	T	C284	Ethyl Methacryl	0.691	0.746	0.818	0.800	0.756	0.762	6.55
48)	T	C160	1,1,2-Trichloro	0.398	0.391	0.412	0.407	0.387	0.399	2.60

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

Response Factor Report HP5973F

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:27:34 2008
Response via : Initial Calibration

Calibration Files
1 =F2931.D 2 =F2932.D 3 =F2933.D
4 =F2934.D 5 =F2935.D

		Compound		1	2	3	4	5	Avg	%RSD
49)	T	C210	4-Methyl-2-pent	0.633	0.632	0.666	0.629	0.535	0.619	7.95
50)	T	C220	Tetrachloroethe	0.567	0.534	0.516	0.506	0.477	0.520	6.40
51)	T	C221	1,3-Dichloropro	0.869	0.835	0.870	0.833	0.780	0.838	4.36
52)	T	C155	Dibromochlorome	0.366	0.395	0.439	0.457	0.465	0.424	9.99
53)	T	C163	1,2-Dibromoetha	0.459	0.451	0.477	0.469	0.451	0.461	2.45
54)	T	C215	2-Hexanone	0.450	0.444	0.477	0.454	0.389	0.443	7.36
55)	T	C235	Chlorobenzene	1.552	1.456	1.438	1.409	1.339	1.439	5.40
56)	T	C281	1,1,1,2-Tetrach	0.422	0.429	0.458	0.459	0.453	0.444	3.96
57)	T	C240	Ethylbenzene	2.704	2.575	2.496	2.405	2.189	2.474	7.81
58)	T	C246	m,p-Xylene	1.055	0.956	0.934	0.897	0.816	0.931	9.35
59)	T	C247	o-Xylene	1.005	0.965	0.945	0.902	0.844	0.932	6.62
60)	T	C245	Styrene	1.538	1.565	1.567	1.499	1.397	1.513	4.65
61)	T	C180	Bromoform	0.200	0.233	0.273	0.295	0.306	-----	
								L	M= 0.311	R^2=0.999
									B= -0.029	
62)	S	CS10	p-Bromofluorobe	0.886	0.724	0.744	0.716	0.652	0.745	11.56
63)	I	CI30	1,4-Dichloroben	----------	ISTD	----------				
64)	T	C966	Isopropylbenzen	2.669	2.571	2.512	2.420	2.302	2.495	5.63
65)	T	C301	Bromobenzene	0.675	0.634	0.637	0.620	0.599	0.633	4.41
66)	T	C225	1,1,2,2-Tetrach	0.702	0.699	0.735	0.706	0.670	0.702	3.30
67)	T	C282	1,2,3-Trichloro	0.218	0.194	0.200	0.189	0.180	0.196	7.31
68)	T	C283	t-1,4-Dichloro-	0.195	0.209	0.224	0.214	0.196	0.207	5.86
69)	T	C302	n-Propylbenzene	3.556	3.358	3.243	3.118	2.858	3.227	8.11
70)	T	C303	O 2-Chlorotolue	0.681	0.646	0.646	0.632	0.614	0.643	3.80
71)	T	C289	P 4-Chlorotolue	0.719	0.660	0.657	0.639	0.608	0.656	6.20
72)	T	C304	1,3,5-Trimethyl	2.240	2.183	2.131	2.054	1.933	2.108	5.66
73)	T	C306	tert-Butylbenze	0.507	0.469	0.466	0.457	0.450	0.470	4.68
74)	T	C307	1,2,4-Trimethyl	2.347	2.222	2.190	2.125	2.030	2.183	5.39
75)	T	C308	sec-Butylbenzen	2.841	2.723	2.640	2.533	2.390	2.625	6.61
76)	T	C260	1,3-Dichloroben	1.326	1.259	1.237	1.184	1.150	1.231	5.56
77)	T	C309	p-Cymene (4-Iso	2.462	2.391	2.366	2.271	2.136	2.325	5.41
78)	T	C267	1,4-Dichloroben	1.348	1.265	1.264	1.213	1.169	1.252	5.36
79)	T	C249	1,2-Dichloroben	1.303	1.218	1.215	1.132	1.068	1.187	7.56
80)	T	C310	n-Butylbenzene	2.509	2.414	2.304	2.191	1.994	2.282	8.79
81)	T	C286	1,2-Dibromo-3-C	0.094	0.110	0.119	0.127	0.127	0.115	12.05
82)	T	C313	1,2,4-Trichloro	0.994	0.945	0.931	0.876	0.832	0.915	6.87
83)	T	C316	Hexachlorobutad	0.522	0.456	0.445	0.412	0.400	0.447	10.65
84)	T	C314	Naphthalene	2.428	2.305	2.402	2.276	2.103	2.303	5.59
85)	T	C934	1,2,3-Trichloro	0.931	0.882	0.903	0.838	0.784	0.868	6.65

Total Average %RSD 6.26

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

Date: 06/25/2008 ICC Profile Page: 1
Time: 14:40:05 Rept: AN0287R

ICC Profile Code: A00168 8260/5ML (30% RSD CCC/15% OTHER/ CCV 20% CCC)
Fraction: MV

No of Points: 5 Default Min. RRF: 0.0000 QC Approver: TRB
CCC Conc: 250.00 QC Date: 04/10/2008

Comments:

			ng On Column				
Seq		Parameter	Point 1	Point 2	Point 3	Point 4	Point 5
10	74-87-3	Chloromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
20	74-83-9	Bromomethane	25.0000	100.0000	250.0000	500.0000	1000.0000
30	75-01-4	Vinyl chloride	25.0000	100.0000	250.0000	500.0000	1000.0000
35	74-97-5	Bromochloromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
40	75-00-3	Chloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
50	75-09-2	Methylene chloride	25.0000	100.0000	250.0000	500.0000	1000.0000
55	637-92-3	Ethyl-t-butyl ether (ETBE)	25.0000	100.0000	250.0000	500.0000	1000.0000
56	994-05-8	tert-Amyl Methyl Ether (TAME)	25.0000	100.0000	250.0000	500.0000	1000.0000
60	67-64-1	Acetone	125.0000	500.0000	1250.0000	2500.0000	5000.0000
70	75-15-0	Carbon Disulfide	25.0000	100.0000	250.0000	500.0000	1000.0000
80	75-35-4	1,1-Dichloroethene	25.0000	100.0000	250.0000	500.0000	1000.0000
90	75-34-3	1,1-Dichloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
97	544-10-5	1-Chlorohexane	25.0000	100.0000	250.0000	500.0000	1000.0000
98	156-59-2	cis-1,2-Dichloroethene	25.0000	100.0000	250.0000	500.0000	1000.0000
99	156-60-5	trans-1,2-Dichloroethene	25.0000	100.0000	250.0000	500.0000	1000.0000
100	545-06-2	Trichloroacetonitrile	25.0000	0.0000	0.0000	0.0000	0.0000
101	540-59-0	1,2-Dichloroethene (Total)	50.0000	200.0000	500.0000	1000.0000	2000.0000
102	77-73-6	Dicyclopentadiene	25.0000	100.0000	250.0000	500.0000	1000.0000
103	526-73-8	1,2,3-Trimethylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
105	106-99-0	1,3-Butadiene	25.0000	100.0000	250.0000	500.0000	1000.0000
108	104-76-7	2-Ethyl-1-hexanol	50.0000	500.0000	1250.0000	2500.0000	5000.0000
110	67-66-3	Chloroform	25.0000	100.0000	250.0000	500.0000	1000.0000
115	67-63-0	2-Propanol	500.0000	2000.0000	5000.0000	10000.0000	20000.0000
120	107-06-2	1,2-Dichloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
130	78-93-3	2-Butanone	125.0000	500.0000	1250.0000	2500.0000	5000.0000
140	71-55-6	1,1,1-Trichloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
150	56-23-5	Carbon Tetrachloride	25.0000	100.0000	250.0000	500.0000	1000.0000
151	628-63-7	n-Amyl Acetate	25.0000	100.0000	250.0000	500.0000	1000.0000
152	110-43-0	Methyl amyl ketone (2-Heptanon	25.0000	100.0000	250.0000	500.0000	1000.0000
160	108-05-4	Vinyl acetate	125.0000	500.0000	1250.0000	2500.0000	5000.0000
170	75-27-4	Bromodichloromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
180	78-87-5	1,2-Dichloropropane	25.0000	100.0000	250.0000	500.0000	1000.0000
190	10061-01-5	cis-1,3-Dichloropropene	25.0000	100.0000	250.0000	500.0000	1000.0000
200	79-01-6	Trichloroethene	25.0000	100.0000	250.0000	500.0000	1000.0000
210	124-48-1	Dibromochloromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
220	79-00-5	1,1,2-Trichloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
230	71-43-2	Benzene	25.0000	100.0000	250.0000	500.0000	1000.0000
240	10061-02-6	trans-1,3-Dichloropropene	25.0000	100.0000	250.0000	500.0000	1000.0000
250	75-25-2	Bromoform	25.0000	100.0000	250.0000	500.0000	1000.0000
260	108-10-1	4-Methyl-2-pentanone	125.0000	500.0000	1250.0000	2500.0000	5000.0000
270	591-78-6	2-Hexanone	125.0000	500.0000	1250.0000	2500.0000	5000.0000
280	127-18-4	Tetrachloroethene	25.0000	100.0000	250.0000	500.0000	1000.0000
290	79-34-5	1,1,2,2-Tetrachloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
300	108-88-3	Toluene	25.0000	100.0000	250.0000	500.0000	1000.0000
310	108-90-7	Chlorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
320	100-41-4	Ethylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
330	100-42-5	Styrene	25.0000	100.0000	250.0000	500.0000	1000.0000

Date: 06/25/2008 ICC Profile Page: 2
Time: 14:40:05 Rept: AN0287R

ICC Profile Code: A00168 8260/5ML (30% RSD CCC/15% OTHER/ CCV 20% CCC) (continued)

Seq		Parameter	ng On Column Point 1	Point 2	Point 3	Point 4	Point 5
340	1330-20-7	Total Xylenes	75.0000	300.0000	750.0000	1500.0000	3000.0000
350	2037-26-5	Toluene-D8	25.0000	100.0000	250.0000	500.0000	1000.0000
360	460-00-4	p-Bromofluorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
380	630-20-6	1,1,1,2-Tetrachloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
390	76-13-1	1,1,2-Trichloro-1,2,2-trifluor	25.0000	100.0000	250.0000	500.0000	1000.0000
400	563-58-6	1,1-Dichloropropene	25.0000	100.0000	250.0000	500.0000	1000.0000
410	534-15-6	1,1-Dimethoxyethane	125.0000	500.0000	1250.0000	2500.0000	5000.0000
420	87-61-6	1,2,3-Trichlorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
430	96-18-4	1,2,3-Trichloropropane	25.0000	100.0000	250.0000	500.0000	1000.0000
440	120-82-1	1,2,4-Trichlorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
450	95-63-6	1,2,4-Trimethylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
460	12/14DCLB	1,2-& 1,4-Dichlorobenzene	25.0000	0.0000	0.0000	0.0000	0.0000
470	96-12-8	1,2-Dibromo-3-chloropropane	25.0000	100.0000	250.0000	500.0000	1000.0000
480	106-93-4	1,2-Dibromoethane	25.0000	100.0000	250.0000	500.0000	1000.0000
490	95-50-1	1,2-Dichlorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
500	108-67-8	1,3,5-Trimethylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
510	541-73-1	1,3-Dichlorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
520	142-28-9	1,3-Dichloropropane	25.0000	100.0000	250.0000	500.0000	1000.0000
530	106-46-7	1,4-Dichlorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
540	110-56-5	1,4-Dichlorobutane	25.0000	100.0000	250.0000	500.0000	1000.0000
550	123-91-1	1,4-Dioxane	1000.0000	4000.0000	10000.0000	20000.0000	40000.0000
560	540-36-3	1,4-Difluorobenzene	250.0000	250.0000	250.0000	250.0000	250.0000
570	594-20-7	2,2-Dichloropropane	25.0000	100.0000	250.0000	500.0000	1000.0000
580	110-75-8	2-Chloroethylvinyl ether	125.0000	500.0000	1250.0000	2500.0000	5000.0000
590	95-49-8	o-Chlorotoluene	25.0000	100.0000	250.0000	500.0000	1000.0000
600	591-76-4	2-Methyl hexane	25.0000	100.0000	250.0000	500.0000	1000.0000
610	497-26-7	2-Methyl-1,3-Dioxolane	25.0000	100.0000	250.0000	500.0000	1000.0000
620	78-83-1	Isobutanol	1000.0000	4000.0000	10000.0000	20000.0000	40000.0000
630	534-22-5	2-Methylfuran	25.0000	100.0000	250.0000	500.0000	1000.0000
640	88-16-4	o-Monochlorobenzotrifluoride	25.0000	100.0000	250.0000	500.0000	1000.0000
650	79-46-9	2-Nitropropane	125.0000	500.0000	1250.0000	2500.0000	5000.0000
660	109-06-8	2-Picoline	25.0000	0.0000	0.0000	0.0000	0.0000
670	107-05-1	3-Chloropropene (Allyl Chlor.)	25.0000	100.0000	250.0000	500.0000	1000.0000
680	589-34-4	3-Methyl hexane	25.0000	100.0000	250.0000	500.0000	1000.0000
690	96-14-0	3-Methyl pentane	25.0000	100.0000	250.0000	500.0000	1000.0000
700	98-15-7	m-Monochlorobenzotrifluoride	25.0000	100.0000	250.0000	500.0000	1000.0000
710	99-87-6	p-Cymene	25.0000	100.0000	250.0000	500.0000	1000.0000
720	98-56-6	p-Monochlorobenzotrifluoride	25.0000	100.0000	250.0000	500.0000	1000.0000
730	75-05-8	Acetonitrile	1000.0000	4000.0000	10000.0000	20000.0000	40000.0000
740	107-02-8	Acrolein	500.0000	2000.0000	5000.0000	10000.0000	20000.0000
750	107-13-1	Acrylonitrile	125.0000	500.0000	1250.0000	2500.0000	5000.0000
770	108-86-1	Bromobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
790	71-36-3	n-Butyl alcohol	1000.0000	4000.0000	10000.0000	20000.0000	40000.0000
800	3114-55-4	Chlorobenzene-D5	250.0000	250.0000	250.0000	250.0000	250.0000
810	126-99-8	2-Chloro-1,3-butadiene	25.0000	100.0000	250.0000	500.0000	1000.0000
820	80-15-9	Cumene Hydroperoxide	25.0000	100.0000	250.0000	500.0000	1000.0000
830	110-82-7	Cyclohexane	25.0000	100.0000	250.0000	500.0000	1000.0000
840	108-94-1	Cyclohexanone	250.0000	1000.0000	2500.0000	5000.0000	10000.0000
850	74-95-3	Dibromomethane	25.0000	100.0000	250.0000	500.0000	1000.0000
860	75-71-8	Dichlorodifluoromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
870	75-43-4	Dichlorofluoromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
880	106-89-8	Epichlorohydrin	125.0000	500.0000	1250.0000	2500.0000	5000.0000

Date: 06/25/2008 ICC Profile Page: 3
Time: 14:40:05 Rept: AN0287R

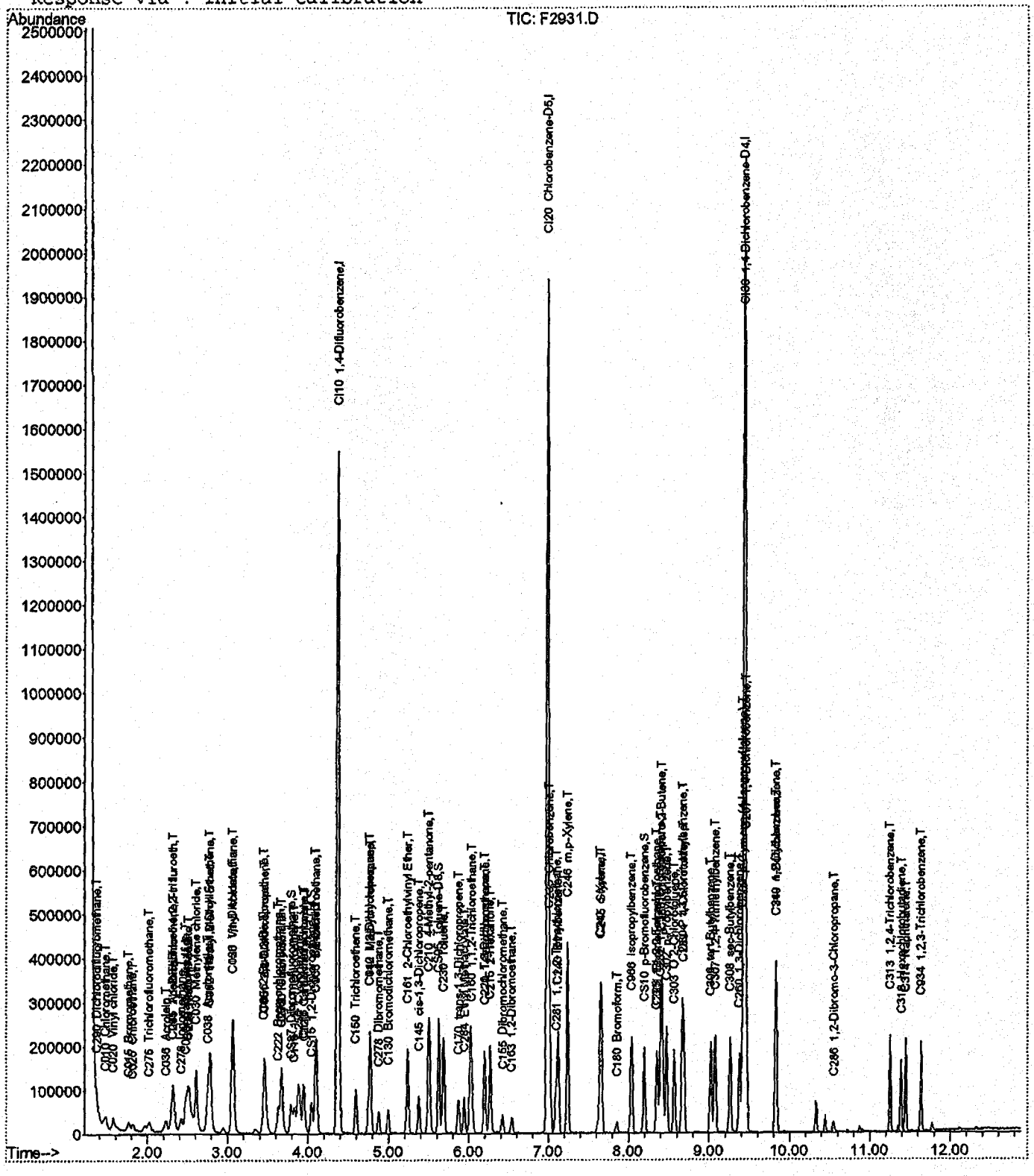
ICC Profile Code: A00168 8260/5ML (30% RSD CCC/15% OTHER/ CCV 20% CCC) (continued)

			ng On Column				
Seq		Parameter	Point 1	Point 2	Point 3	Point 4	Point 5
890	64-17-5	Ethanol	25.0000	100.0000	250.0000	500.0000	1000.0000
900	141-78-6	Ethyl acetate	25.0000	100.0000	250.0000	500.0000	1000.0000
901	126-98-7	Methacrylonitrile	25.0000	100.0000	250.0000	500.0000	1000.0000
902	79-20-9	Methyl acetate	25.0000	100.0000	250.0000	500.0000	1000.0000
903	96-37-7	Methyl cyclopentane	25.0000	100.0000	250.0000	500.0000	1000.0000
904	74-88-4	Iodomethane	25.0000	100.0000	250.0000	500.0000	1000.0000
905	80-62-6	Methyl methacrylate	25.0000	100.0000	250.0000	500.0000	1000.0000
906	91-20-3	Naphthalene	25.0000	100.0000	250.0000	500.0000	1000.0000
907	95-47-6	o-Xylene	25.0000	100.0000	250.0000	500.0000	1000.0000
908	76-01-7	Pentachloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
909	107-12-0	Propionitrile	250.0000	1000.0000	2500.0000	5000.0000	10000.0000
910	140-88-5	Ethyl acrylate	25.0000	100.0000	250.0000	500.0000	1000.0000
911	75-56-9	Propylene Oxide	125.0000	500.0000	1250.0000	2500.0000	5000.0000
912	110-86-1	Pyridine	25.0000	0.0000	0.0000	0.0000	0.0000
913	109-99-9	Tetrahydrofuran	125.0000	500.0000	1250.0000	2500.0000	5000.0000
914	110-01-0	Tetrahydrothiophene	25.0000	100.0000	250.0000	500.0000	1000.0000
915	75-69-4	Trichlorofluoromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
917	108-41-8	m-Chlorotoluene	25.0000	100.0000	250.0000	500.0000	1000.0000
918	123-86-4	n-Butyl acetate	25.0000	100.0000	250.0000	500.0000	1000.0000
919	104-51-8	n-Butylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
920	60-29-7	Ethyl ether	25.0000	100.0000	250.0000	500.0000	1000.0000
921	142-82-5	Heptane	25.0000	100.0000	250.0000	500.0000	1000.0000
922	110-54-3	Hexane	25.0000	100.0000	250.0000	500.0000	1000.0000
923	109-60-4	n-Propyl acetate	25.0000	100.0000	250.0000	500.0000	1000.0000
924	103-65-1	n-Propylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
925	O,M CLTOL	o,m-Chlorotoluene	25.0000	0.0000	0.0000	0.0000	0.0000
926	106-43-4	p-Chlorotoluene	25.0000	100.0000	250.0000	500.0000	1000.0000
927	135-98-8	sec-Butylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
928	75-65-0	tert-Butyl Alcohol (TBA)	500.0000	2000.0000	5000.0000	10000.0000	20000.0000
929	1634-04-4	Methyl-t-Butyl Ether (MTBE)	25.0000	100.0000	250.0000	500.0000	1000.0000
930	97-63-2	Ethyl methacrylate	25.0000	100.0000	250.0000	500.0000	1000.0000
931	98-06-6	tert-Butylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
933	110-57-6	trans-1,4-Dichloro-2-butene	125.0000	500.0000	1250.0000	2500.0000	5000.0000
934	108-38-3	m-Xylene	25.0000	100.0000	250.0000	500.0000	1000.0000
935	106-42-3	p-Xylene	25.0000	100.0000	250.0000	500.0000	1000.0000
940	87-68-3	Hexachlorobutadiene	25.0000	100.0000	250.0000	500.0000	1000.0000
950	110-19-0	Isobutyl acetate	25.0000	100.0000	250.0000	500.0000	1000.0000
960	108-20-3	Isopropyl Ether (DIPE)	25.0000	100.0000	250.0000	500.0000	1000.0000
970	108-21-4	Isopropyl acetate	25.0000	100.0000	250.0000	500.0000	1000.0000
980	98-82-8	Isopropylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
985	67-72-1	Hexachloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
990	M/P XYLENE	m/p-Xylenes	50.0000	200.0000	500.0000	1000.0000	2000.0000
991	108-87-2	Methylcyclohexane	25.0000	100.0000	250.0000	500.0000	1000.0000
994	75-45-6	Chlorodifluoromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
995	542-88-1	Bis(Chloromethyl) Ether (TIC)	25.0000	100.0000	250.0000	500.0000	1000.0000
996	363-72-4	Pentafluorobenzene	250.0000	250.0000	250.0000	250.0000	250.0000
997	SU106-46-7	1,4-Dichlorobenzene-D4	250.0000	250.0000	250.0000	250.0000	250.0000
998	SURRDFM	Dibromofluoromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
999	SU107-06-2	1,2-Dichloroethane-D4	25.0000	100.0000	250.0000	500.0000	1000.0000
***			25.0000	100.0000	250.0000	500.0000	1000.0000
***	108-70-3	1,3,5-Trichlorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\062508\F2931.D Vial: 38
Acq On : 25 Jun 2008 2:39 Operator: JLG
Sample : VSTD005 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:21 2008 Quant Results File: A8I00000477.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:27:34 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\062508\F2931.D Vial: 38
Acq On : 25 Jun 2008 2:39 Operator: JLG
Sample : VSTD005 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 08:21:44 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:21:34 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\062508\F2933.D (25 Jun 2008 3:30)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	1321506	250.00	ng		0.00 98.10%
43) CI20	Chlorobenzene-D5	6.99	82	642758	250.00	ng		0.00 97.27%
63) CI30	1,4-Dichlorobenzene-	9.44	152	577736	250.00	ng		0.00 96.61%
System Monitoring Compounds								
27) CS87	Dibromofluoromethane	3.79	111	43257	27.58	ng		0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	11.03%#		
32) CS15	1,2-Dichloroethane-D	4.05	65	53406	28.65	ng		0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	11.46%#		
44) CS05	Toluene-D8	5.62	98	187302	28.83	ng		0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	11.53%#		
62) CS10	p-Bromofluorobenzene	8.20	174	56925	29.73	ng		0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	11.89%#		
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.38	85	24604	26.26	ng		90
3) C010	Chloromethane	1.47	50	47076	26.98	ng		98
4) C020	Vinyl chloride	1.57	62	37367	26.89	ng		95
5) C015	Bromomethane	1.77	94	16744	26.10	ng		100
6) C025	Chloroethane	1.81	64	16720	26.77	ng		88
7) C275	Trichlorofluorometha	2.02	101	36703	27.93	ng		86
8) C291	1,1,2-Trichloro-1,2,	2.33	101	25901	27.36	ng		92
9) C045	1,1-Dichloroethene	2.31	96	24327	26.55	ng		87
10) C030	Methylene chloride	2.61	84	72250	37.88	ng		85
11) C040	Carbon disulfide	2.47	76	105751	27.07	ng		98
12) C036	Acrolein	2.23	56	34778	506.75	ng		96
13) C038	Acrylonitrile	2.75	53	79734	125.01	ng		98
14) C035	Acetone	2.32	43	54487	136.80	ng		91
15) C300	Acetonitrile	2.50	41	222635	1029.09	ng		100
16) C276	Iodomethane	2.42	142	49100	26.77	ng		96
17) C255	Methyl Acetate	2.52	43	52464	25.95	ng		91
18) C962	T-butyl Methyl Ether	2.78	73	106038	25.26	ng		85
19) C057	trans-1,2-Dichloroet	2.79	96	40965	28.09	ng		88
20) C050	1,1-Dichloroethane	3.06	63	71728	27.85	ng		98
21) C125	Vinyl Acetate	3.07	43	372626	131.21	ng		96
22) C051	2,2-Dichloropropane	3.47	77	45960	26.39	ng		81
23) C056	cis-1,2-Dichloroethe	3.46	96	44157	27.72	ng		95
24) C272	Tetrahydrofuran	3.66	42	66098	122.59	ng		90
25) C222	Bromochloromethane	3.63	128	18292	25.46	ng	#	76
26) C060	Chloroform	3.68	83	60672	26.96	ng		96
28) C256	Cyclohexane	3.89	56	78106	27.56	ng	#	100
29) C115	1,1,1-Trichloroethan	3.83	97	46787	26.25	ng		96
30) C120	Carbon tetrachloride	3.96	117	32860	24.76	ng		97
31) C116	1,1-Dichloropropene	3.94	75	47904	27.13	ng		89

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\062508\F2931.D Vial: 38
Acq On : 25 Jun 2008 2:39 Operator: JLG
Sample : VSTD005 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 08:21:44 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:21:34 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.10	78	158005	27.62	ng		98
34)	C065	1,2-Dichloroethane	4.11	62	48812	26.96	ng		86
35)	C110	2-Butanone	3.45	43	98662	125.93	ng		90
36)	C150	Trichloroethene	4.59	95	37615	27.62	ng		93
37)	C161	2-Chloroethylvinyl E	5.23	63	89367	128.44	ng	#	76
38)	C012	Methylcyclohexane	4.77	83	68977	27.28	ng		83
39)	C140	1,2-Dichloropropane	4.78	63	42391	26.94	ng		100
40)	C278	Dibromomethane	4.88	93	19872	24.44	ng		87
41)	C130	Bromodichloromethane	5.00	83	36837	23.54	ng		96
42)	C145	cis-1,3-Dichloroprop	5.38	75	53874	24.65	ng		89
45)	C230	Toluene	5.68	92	101956	28.46	ng		90
46)	C170	trans-1,3-Dichloropr	5.87	75	44101	23.24	ng		95
47)	C284	Ethyl Methacrylate	5.95	69	44409	22.67	ng		86
48)	C160	1,1,2-Trichloroethan	6.04	83	25599	24.94	ng		98
49)	C210	4-Methyl-2-pentanone	5.50	43	203351	127.78	ng		95
50)	C220	Tetrachloroethene	6.19	166	36424	27.25	ng		92
51)	C221	1,3-Dichloropropane	6.21	76	55856	25.94	ng		94
52)	C155	Dibromochloromethane	6.43	129	23521	21.56	ng		83
53)	C163	1,2-Dibromoethane	6.54	107	29514	24.87	ng		94
54)	C215	2-Hexanone	6.27	43	144725	127.11	ng		91
55)	C235	Chlorobenzene	7.02	112	99772	26.97	ng		94
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	27103	23.73	ng		99
57)	C240	Ethylbenzene	7.13	91	173830	27.33	ng		99
58)	C246	m,p-Xylene	7.24	106	135576	56.60	ng		93
59)	C247	o-Xylene	7.65	106	64602	26.95	ng	#	76
60)	C245	Styrene	7.67	104	98857	25.41	ng		96
61)	C180	Bromoform	7.86	173	12829	19.09	ng		81
64)	C966	Isopropylbenzene	8.04	105	154187	26.74	ng		92
65)	C301	Bromobenzene	8.37	156	38994	26.66	ng		99
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	40544	24.98	ng		98
67)	C282	1,2,3-Trichloropropa	8.40	110	12618	27.83	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.41	53	56424	117.72	ng	#	76
69)	C302	n-Propylbenzene	8.48	91	205452	27.54	ng		98
70)	C303	O 2-Chlorotoluene	8.57	126	39316	26.44	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	41556	27.39	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	129411	26.56	ng		84
73)	C306	tert-Butylbenzene	9.02	134	29279	26.96	ng		95
74)	C307	1,2,4-Trimethylbenze	9.08	105	135580	26.88	ng		97
75)	C308	sec-Butylbenzene	9.26	105	164143	27.05	ng		95
76)	C260	1,3-Dichlorobenzene	9.38	146	76617	26.93	ng		96
77)	C309	p-Cymene (4-Isopropy	9.41	119	142253	26.47	ng		94
78)	C267	1,4-Dichlorobenzene	9.47	146	77880	26.92	ng		97
79)	C249	1,2-Dichlorobenzene	9.84	146	75269	27.43	ng		94
80)	C310	n-Butylbenzene	9.83	91	144957	27.48	ng		98
81)	C286	1,2-Dibromo-3-Chloro	10.55	75	5415	20.30	ng		84
82)	C313	1,2,4-Trichlorobenze	11.26	180	57399	27.13	ng		95
83)	C316	Hexachlorobutadiene	11.40	225	30138	29.18	ng		97
84)	C314	Naphthalene	11.45	128	140289	26.36	ng		90
85)	C934	1,2,3-Trichlorobenze	11.64	180	53798	26.83	ng		97

(#) = qualifier out of range (m) = manual integration

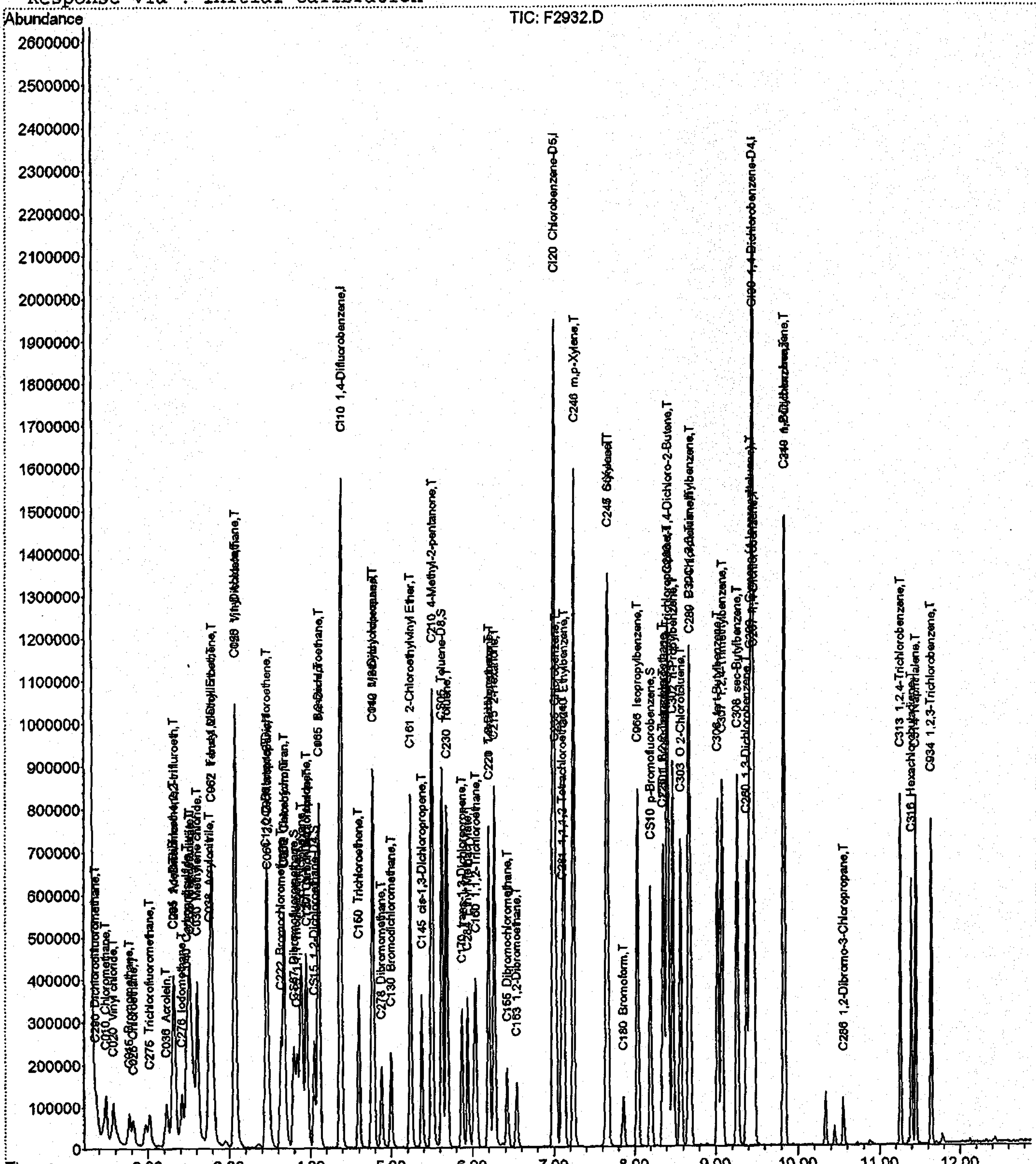
Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\062508\F2932.D
Acq On : 25 Jun 2008 3:05
Sample : VSTD020
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:24 2008

Vial: 39
Operator: JLG
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000477.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:27:34 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\062508\F2932.D Vial: 39
Acq On : 25 Jun 2008 3:05 Operator: JLG
Sample : VSTD020 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 08:23:56 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:23:50 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\062508\F2933.D (25 Jun 2008 3:30)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	1337216	250.00	ng		0.00 99.26%
43) CI20	Chlorobenzene-D5	6.99	82	647857	250.00	ng		0.00 98.04%
63) CI30	1,4-Dichlorobenzene-	9.44	152	583014	250.00	ng		0.00 97.49%
System Monitoring Compounds								
27) CS87	Dibromofluoromethane	3.79	111	154223	97.18	ng		0.00
Spiked Amount	250.000	Range	70 - 130	Recovery =	38.87%#			
32) CS15	1,2-Dichloroethane-D	4.05	65	186054	98.63	ng		0.00
Spiked Amount	250.000	Range	64 - 126	Recovery =	39.45%#			
44) CS05	Toluene-D8	5.62	98	642764	98.14	ng		0.00
Spiked Amount	250.000	Range	71 - 125	Recovery =	39.26%#			
62) CS10	p-Bromofluorobenzene	8.20	174	187693	97.27	ng		0.00
Spiked Amount	250.000	Range	72 - 126	Recovery =	38.91%#			
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.36	85	92559	97.62	ng		97
3) C010	Chloromethane	1.49	50	180195	102.07	ng		99
4) C020	Vinyl chloride	1.58	62	144867	103.03	ng		90
5) C015	Bromomethane	1.77	94	63677	98.10	ng		87
6) C025	Chloroethane	1.81	64	62689	99.20	ng		96
7) C275	Trichlorofluorometha	2.02	101	135434m	101.86	ng		95
8) C291	1,1,2-Trichloro-1,2,	2.33	101	98727	103.08	ng		94
9) C045	1,1-Dichloroethene	2.31	96	95609	103.12	ng		85
10) C030	Methylene chloride	2.61	84	185682	96.21	ng		86
11) C040	Carbon disulfide	2.47	76	397223	100.50	ng		97
12) C036	Acrolein	2.23	56	135024	1944.31	ng		98
13) C038	Acrylonitrile	2.75	53	324620	502.97	ng		99
14) C035	Acetone	2.32	43	202873	503.36	ng		100
15) C300	Acetonitrile	2.51	41	879986	4019.77	ng		100
16) C276	Iodomethane	2.42	142	189971	102.37	ng		99
17) C255	Methyl Acetate	2.53	43	211784	103.53	ng		92
18) C962	T-butyl Methyl Ether	2.78	73	437147	102.92	ng		86
19) C057	trans-1,2-Dichloroet	2.79	96	150982	102.33	ng		89
20) C050	1,1-Dichloroethane	3.06	63	266239	102.15	ng		93
21) C125	Vinyl Acetate	3.07	43	1499953	521.95	ng		97
22) C051	2,2-Dichloropropane	3.48	77	179267	101.71	ng		89
23) C056	cis-1,2-Dichloroethe	3.46	96	161406	100.14	ng		96
24) C272	Tetrahydrofuran	3.67	42	273656	501.56	ng		96
25) C222	Bromochloromethane	3.63	128	71459	98.29	ng	#	75
26) C060	Chloroform	3.68	83	231275	101.55	ng		100
28) C256	Cyclohexane	3.89	56	296839	103.52	ng	#	100
29) C115	1,1,1-Trichloroethan	3.83	97	178261	98.86	ng		96
30) C120	Carbon tetrachloride	3.96	117	131215	97.71	ng		88
31) C116	1,1-Dichloropropene	3.94	75	183213	102.53	ng		90

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\062508\F2932.D Vial: 39
Acq On : 25 Jun 2008 3:05 Operator: JLG
Sample : VSTD020 Inst : HP5973P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 08:23:56 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:23:50 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.10	78	595865	102.94	ng		99
34)	C065	1,2-Dichloroethane	4.11	62	182497	99.60	ng		85
35)	C110	2-Butanone	3.44	43	399902	504.43	ng		90
36)	C150	Trichloroethene	4.60	95	137218	99.58	ng		98
37)	C161	2-Chloroethylvinyl E	5.23	63	379677	539.28	ng	#	76
38)	C012	Methylcyclohexane	4.77	83	270102	105.57	ng		80
39)	C140	1,2-Dichloropropane	4.78	63	160279	100.66	ng		100
40)	C278	Dibromomethane	4.87	93	82243	99.96	ng		89
41)	C130	Bromodichloromethane	5.00	83	155465	98.20	ng		98
42)	C145	cis-1,3-Dichloroprop	5.38	75	218450	98.79	ng		99
45)	C230	Toluene	5.68	92	365033	101.11	ng		90
46)	C170	trans-1,3-Dichloropr	5.87	75	185223	96.83	ng		97
47)	C284	Ethyl Methacrylate	5.94	69	193295	97.92	ng		89
48)	C160	1,1,2-Trichloroethan	6.04	83	101386	98.00	ng		94
49)	C210	4-Methyl-2-pentanone	5.50	43	819088	510.64	ng		91
50)	C220	Tetrachloroethene	6.20	166	138341	102.67	ng		95
51)	C221	1,3-Dichloropropane	6.20	76	216338	99.67	ng		97
52)	C155	Dibromochloromethane	6.43	129	102391	93.10	ng		76
53)	C163	1,2-Dibromoethane	6.54	107	116993	97.82	ng		97
54)	C215	2-Hexanone	6.27	43	575224	501.22	ng		89
55)	C235	Chlorobenzene	7.02	112	377309	101.19	ng		97
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	111122	96.54	ng		95
57)	C240	Ethylbenzene	7.13	91	667188	104.06	ng		97
58)	C246	m,p-Xylene	7.25	106	495276	205.16	ng		96
59)	C247	o-Xylene	7.65	106	249983	103.47	ng	#	81
60)	C245	Styrene	7.67	104	405472	103.39	ng		100
61)	C180	Bromoform	7.86	173	60380	89.13	ng		86
64)	C966	Isopropylbenzene	8.04	105	599525	103.05	ng		94
65)	C301	Bromobenzene	8.36	156	147798	100.14	ng		94
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	162917	99.45	ng		93
67)	C282	1,2,3-Trichloropropa	8.40	110	45208	98.81	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	243209	502.83	ng		79
69)	C302	n-Propylbenzene	8.48	91	783218	104.05	ng		97
70)	C303	O 2-Chlorotoluene	8.57	126	150565	100.33	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	153830	100.48	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	508974	103.53	ng		84
73)	C306	tert-Butylbenzene	9.02	134	109473	99.90	ng	#	83
74)	C307	1,2,4-Trimethylbenze	9.08	105	518175	101.80	ng		93
75)	C308	sec-Butylbenzene	9.26	105	635059	103.72	ng		93
76)	C260	1,3-Dichlorobenzene	9.38	146	293627	102.28	ng		95
77)	C309	p-Cymene (4-Isopropy	9.41	119	557557	102.82	ng		97
78)	C267	1,4-Dichlorobenzene	9.47	146	294991	101.06	ng		94
79)	C249	1,2-Dichlorobenzene	9.84	146	284083	102.59	ng		97
80)	C310	n-Butylbenzene	9.83	91	562983	105.78	ng		99
81)	C286	1,2-Dibromo-3-Chloro	10.55	75	25769	95.72	ng		76
82)	C313	1,2,4-Trichlorobenze	11.26	180	220363	103.23	ng		99
83)	C316	Hexachlorobutadiene	11.40	225	106409	102.08	ng		99
84)	C314	Naphthalene	11.45	128	537447	100.08	ng		96
85)	C934	1,2,3-Trichlorobenze	11.64	180	205646	101.64	ng		99

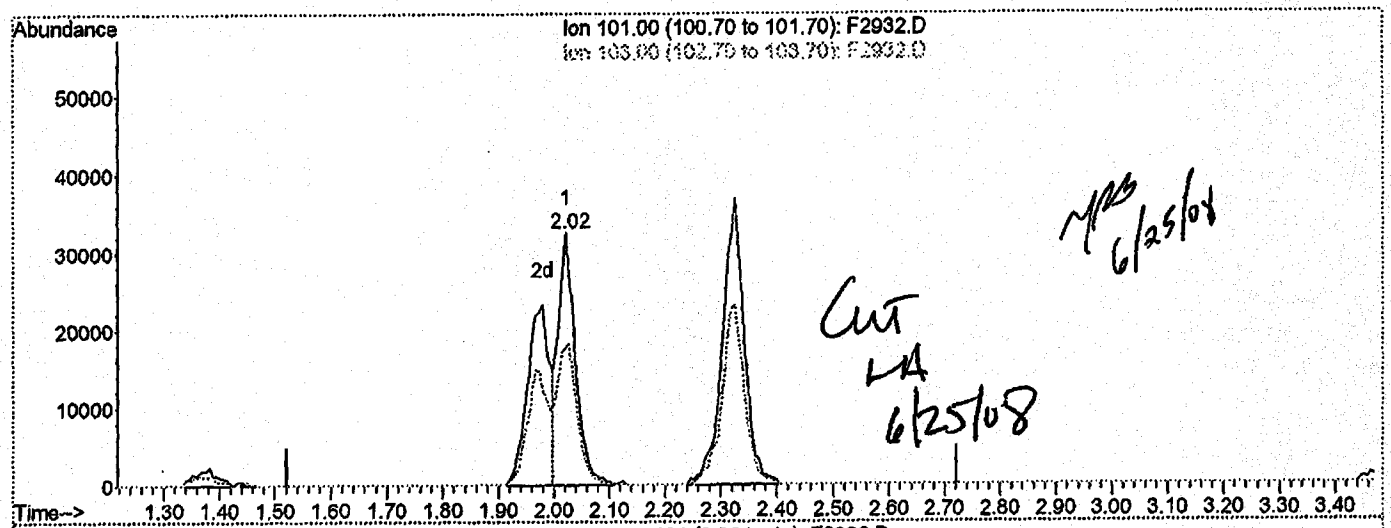
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\062508\F2932.D
Acq On : 25 Jun 2008 3:05
Sample : VSTD020
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:23 2008

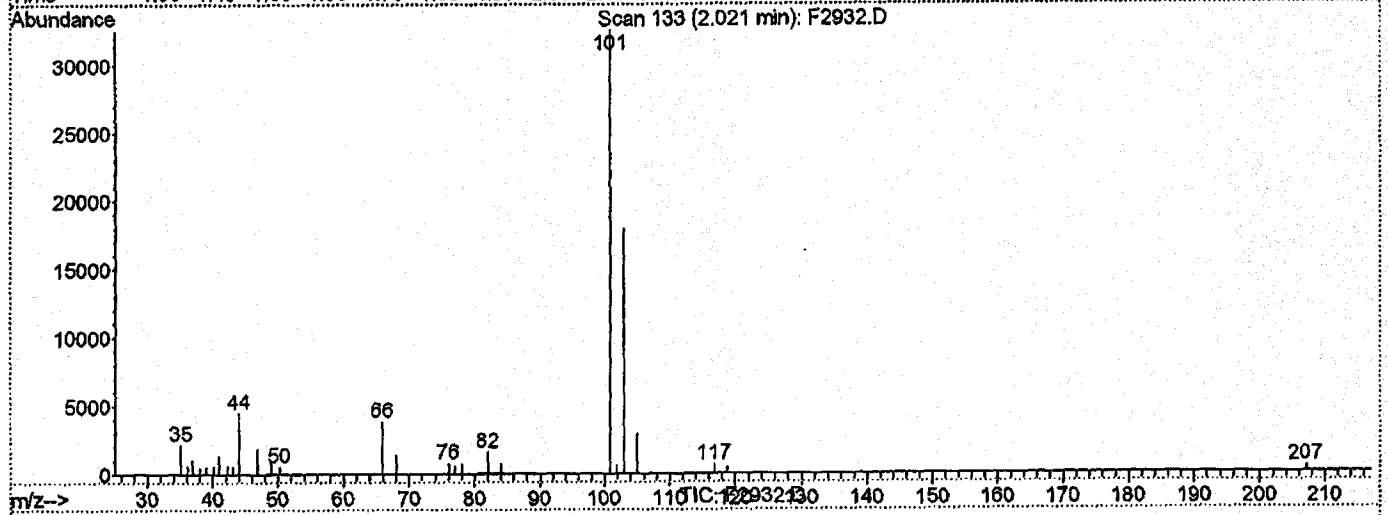
Vial: 39
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:23:50 2008
Response via : Multiple Level Calibration



MPB 6/25/08

Cut LA 6/25/08



(7) C275 Trichlorofluoromethane (T)

2.02min 53.17ng

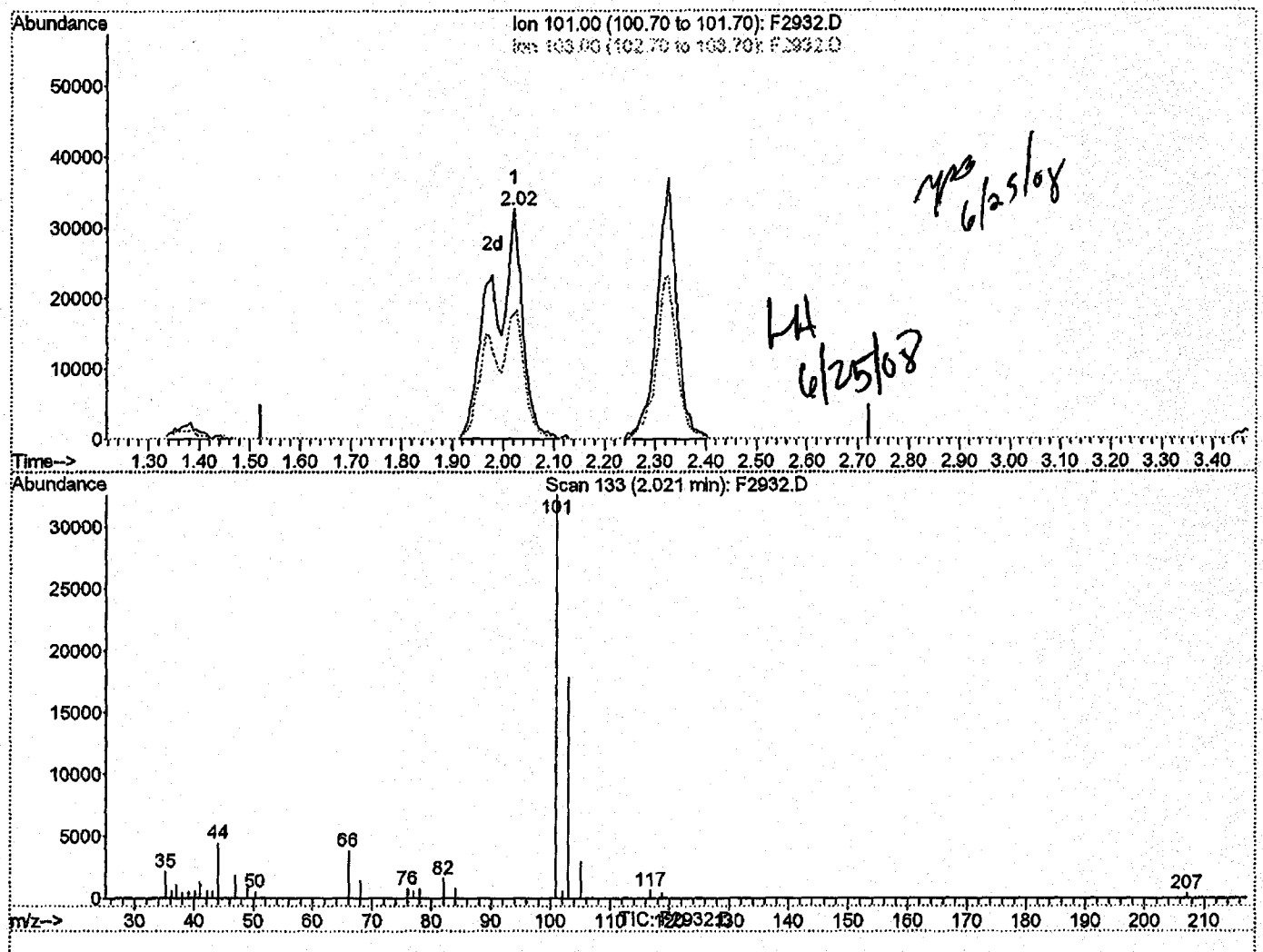
response 70691

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	54.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\062508\F2932.D Vial: 39
Acq On : 25 Jun 2008 3:05 Operator: JLG
Sample : VSTD020 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:24 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:23:50 2008
Response via : Multiple Level Calibration



(7) C275 Trichlorofluoromethane (T)

2.02min 101.86ng m

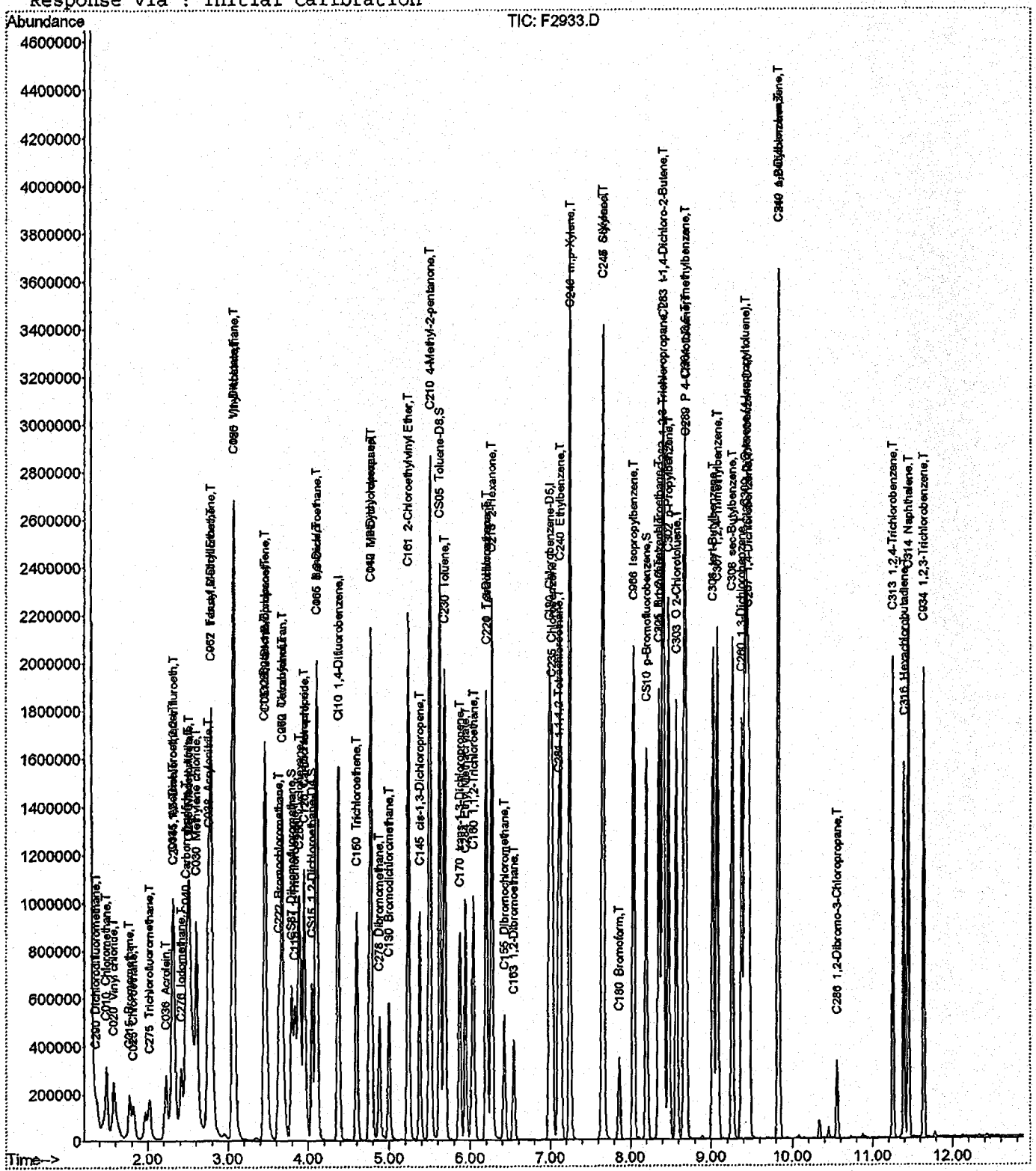
response 135434

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	54.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\062508\F2933.D Vial: 40
Acq On : 25 Jun 2008 3:30 Operator: JLG
Sample : VSTD050 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:24 2008 Quant Results File: A8I00000477.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:27:34 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\062508\F2933.D Vial: 40
Acq On : 25 Jun 2008 3:30 Operator: JLG
Sample : VSTD050 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 08:24:47 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:24:39 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\062508\F2933.D (25 Jun 2008 3:30)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	1347141	250.00	ng		0.00 100.00%
43) CI20	Chlorobenzene-D5	6.99	82	660797	250.00	ng		0.00 100.00%
63) CI30	1,4-Dichlorobenzene-	9.44	152	598013	250.00	ng		0.00 100.00%
System Monitoring Compounds								
27) CS87	Dibromofluoromethane	3.79	111	411653	257.47	ng		0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	102.99%		
32) CS15	1,2-Dichloroethane-D	4.05	65	482242	253.76	ng		0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	101.50%		
44) CS05	Toluene-D8	5.62	98	1745467	261.29	ng		0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	104.52%		
62) CS10	p-Bromofluorobenzene	8.20	174	491954	249.95	ng		0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	99.98%		
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.36	85	240156	251.43	ng		99
3) C010	Chloromethane	1.49	50	447113	251.40	ng		95
4) C020	Vinyl chloride	1.58	62	350828	247.66	ng		97
5) C015	Bromomethane	1.77	94	165954	253.77	ng		92
6) C025	Chloroethane	1.82	64	160094	251.46	ng		98
7) C275	Trichlorofluorometha	2.02	101	324639m	242.36	ng		91
8) C291	1,1,2-Trichloro-1,2,	2.33	101	242032	250.83	ng		93
9) C045	1,1-Dichloroethene	2.31	96	246017	263.39	ng		89
10) C030	Methylene chloride	2.61	84	436122	224.30	ng		89
11) C040	Carbon disulfide	2.47	76	1008435	253.25	ng		97
12) C036	Acrolein	2.23	56	369229	5277.63	ng		98
13) C038	Acrylonitrile	2.75	53	860292	1323.13	ng		99
14) C035	Acetone	2.32	43	528438	1301.47	ng		95
15) C300	Acetonitrile	2.50	41	2276378	10321.88	ng		100
16) C276	Iodomethane	2.42	142	467898	250.27	ng		100
17) C255	Methyl Acetate	2.52	43	536113	260.14	ng		94
18) C962	T-butyl Methyl Ether	2.78	73	1118175	261.31	ng		86
19) C057	trans-1,2-Dichloroet	2.79	96	368905	248.19	ng		89
20) C050	1,1-Dichloroethane	3.06	63	668228	254.49	ng		99
21) C125	Vinyl Acetate	3.07	43	3957132	1366.84	ng		96
22) C051	2,2-Dichloropropane	3.47	77	440683	248.20	ng		92
23) C056	cis-1,2-Dichloroethe	3.46	96	413536	254.67	ng		96
24) C272	Tetrahydrofuran	3.66	42	739603	1345.57	ng		98
25) C222	Bromochloromethane	3.63	128	191640	261.64	ng	#	81
26) C060	Chloroform	3.68	83	579609	252.63	ng		100
28) C256	Cyclohexane	3.89	56	713283	246.93	ng	#	100
29) C115	1,1,1-Trichloroethan	3.83	97	455870	250.95	ng		95
30) C120	Carbon tetrachloride	3.96	117	339952	251.28	ng		96
31) C116	1,1-Dichloropropene	3.94	75	449348	249.60	ng		86

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\062508\F2933.D Vial: 40
Acq On : 25 Jun 2008 3:30 Operator: JLG
Sample : VSTD050 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 08:24:47 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:24:39 2008
Response via : Initial Calibration
DataAcq Meth : VOA

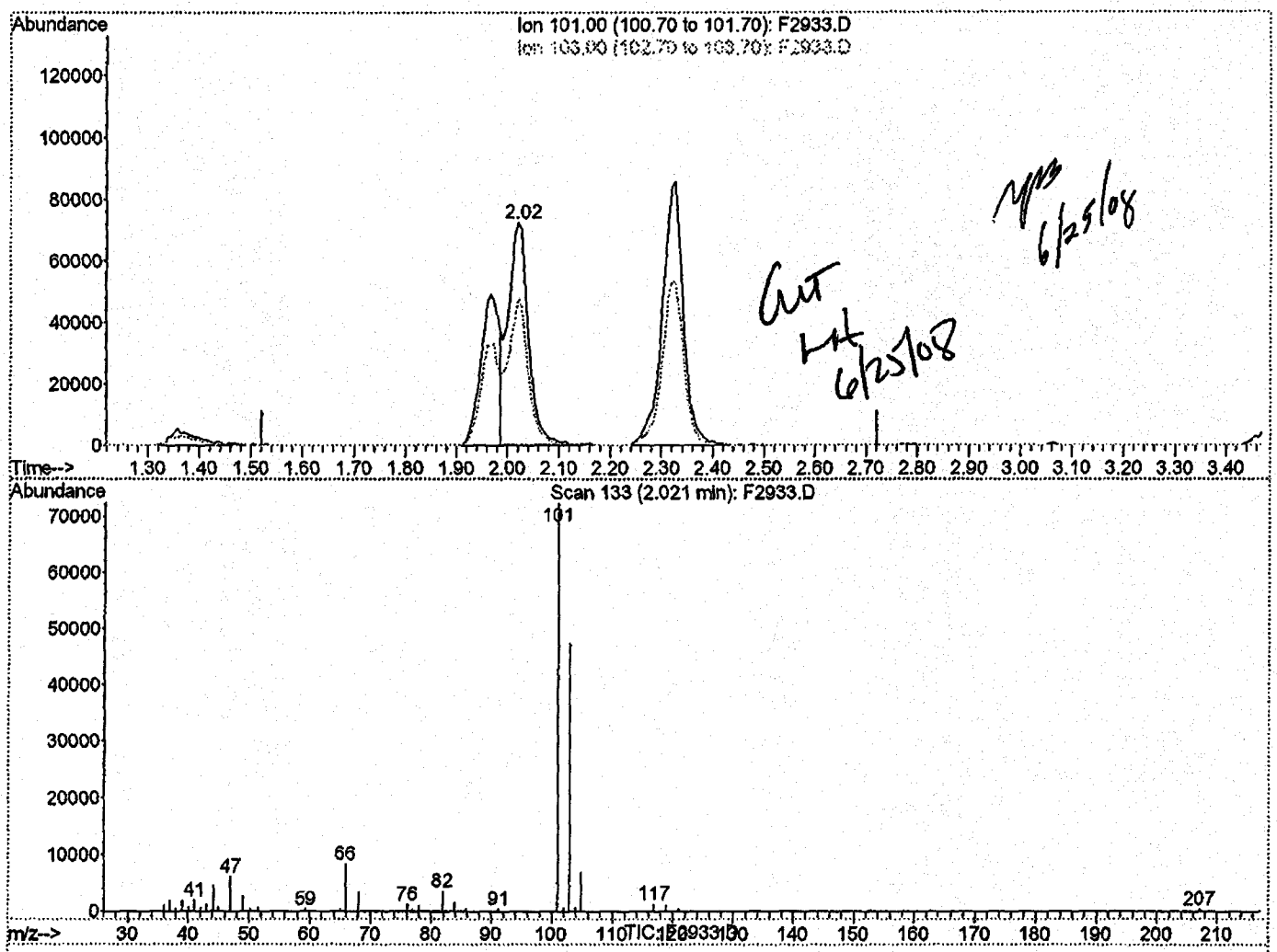
	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.11	78	1466069	251.37	ng		99
34)	C065	1,2-Dichloroethane	4.11	62	469162	254.15	ng		86
35)	C110	2-Butanone	3.44	43	1069060	1338.56	ng		93
36)	C150	Trichloroethene	4.59	95	345215	248.68	ng		98
37)	C161	2-Chloroethylvinyl E	5.23	63	1011858	1426.61	ng	#	77
38)	C012	Methylcyclohexane	4.77	83	642032	249.09	ng		80
39)	C140	1,2-Dichloropropane	4.78	63	412517	257.16	ng		100
40)	C278	Dibromomethane	4.88	93	213343	257.40	ng		96
41)	C130	Bromodichloromethane	5.00	83	410121	257.14	ng		99
42)	C145	cis-1,3-Dichloroprop	5.38	75	577565	259.27	ng		96
45)	C230	Toluene	5.68	92	906160	246.07	ng		92
46)	C170	trans-1,3-Dichloropr	5.87	75	502871	257.69	ng		97
47)	C284	Ethyl Methacrylate	5.94	69	540846	268.46	ng		88
48)	C160	1,1,2-Trichloroethan	6.04	83	272150	257.90	ng		94
49)	C210	4-Methyl-2-pentanone	5.50	43	2199808	1344.57	ng		93
50)	C220	Tetrachloroethene	6.19	166	341198	248.26	ng		95
51)	C221	1,3-Dichloropropane	6.21	76	574897	259.67	ng		95
52)	C155	Dibromochloromethane	6.43	129	289959	258.48	ng		79
53)	C163	1,2-Dibromoethane	6.54	107	314876	258.13	ng		93
54)	C215	2-Hexanone	6.27	43	1575940	1346.31	ng		90
55)	C235	Chlorobenzene	7.02	112	950480	249.90	ng		97
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	302515	257.67	ng		97
57)	C240	Ethylbenzene	7.13	91	1649460	252.22	ng		98
58)	C246	m,p-Xylene	7.25	106	1234183	501.29	ng		99
59)	C247	o-Xylene	7.65	106	624515	253.44	ng	#	80
60)	C245	Styrene	7.67	104	1035455	258.85	ng		99
61)	C180	Bromoform	7.86	173	180637	261.43	ng		84
64)	C966	Isopropylbenzene	8.04	105	1502103	251.71	ng		92
65)	C301	Bromobenzene	8.36	156	380875	251.60	ng		94
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	439811	261.75	ng		94
67)	C282	1,2,3-Trichloropropa	8.40	110	119329	254.27	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	668637	1348.19	ng		77
69)	C302	n-Propylbenzene	8.48	91	1939369	251.18	ng		94
70)	C303	O 2-Chlorotoluene	8.57	126	386127	250.85	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	392905	250.20	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	1274095	252.67	ng		84
73)	C306	tert-Butylbenzene	9.02	134	278674	247.92	ng		93
74)	C307	1,2,4-Trimethylbenze	9.08	105	1309692	250.86	ng		95
75)	C308	sec-Butylbenzene	9.26	105	1578766	251.39	ng		94
76)	C260	1,3-Dichlorobenzene	9.38	146	739536	251.14	ng		98
77)	C309	p-Cymene (4-Isopropy	9.41	119	1414937	254.39	ng		97
78)	C267	1,4-Dichlorobenzene	9.47	146	755740	252.41	ng		97
79)	C249	1,2-Dichlorobenzene	9.84	146	726665	255.84	ng		99
80)	C310	n-Butylbenzene	9.83	91	1377602	252.35	ng		99
81)	C286	1,2-Dibromo-3-Chloro	10.55	75	71243	258.00	ng		84
82)	C313	1,2,4-Trichlorobenze	11.26	180	556823	254.31	ng		100
83)	C316	Hexachlorobutadiene	11.40	225	265846	248.63	ng		98
84)	C314	Naphthalene	11.45	128	1436391	260.77	ng		95
85)	C934	1,2,3-Trichlorobenze	11.64	180	539927	260.16	ng		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\062508\F2933.D Vial: 40
Acq On : 25 Jun 2008 3:30 Operator: JLG
Sample : VSTD050 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:24 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:24:39 2008
Response via : Multiple Level Calibration



(7) C275 Trichlorofluoromethane (T)

2.02min 148.01ng

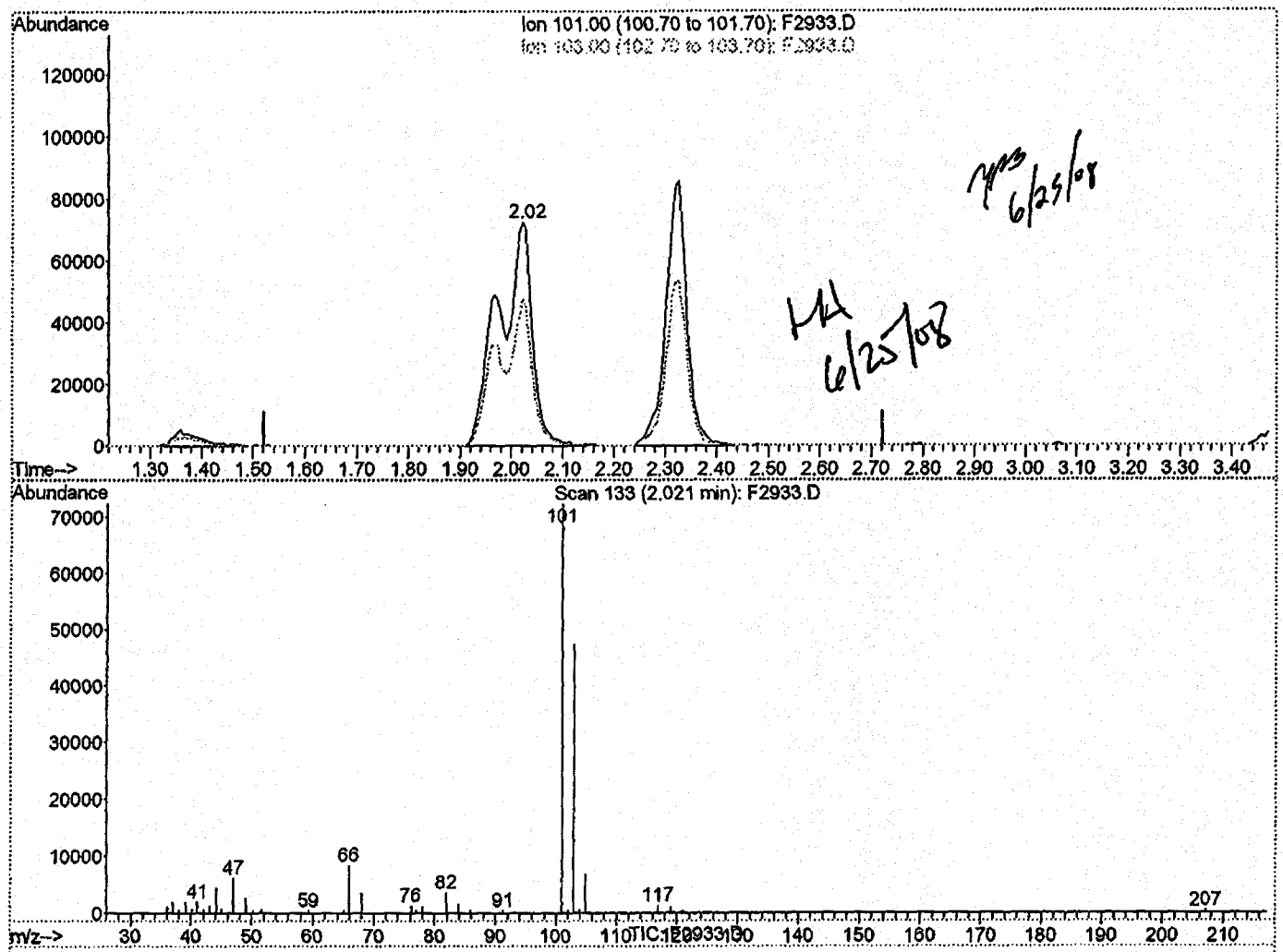
response 198256

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	65.67
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\062508\F2933.D Vial: 40
Acq On : 25 Jun 2008 3:30 Operator: JLG
Sample : VSTD050 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:24 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:24:39 2008
Response via : Multiple Level Calibration



(7) C275 Trichlorofluoromethane (T)

2.02min 242.36ng m

response 324639

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	65.67
0.00	0.00	0.00
0.00	0.00	0.00

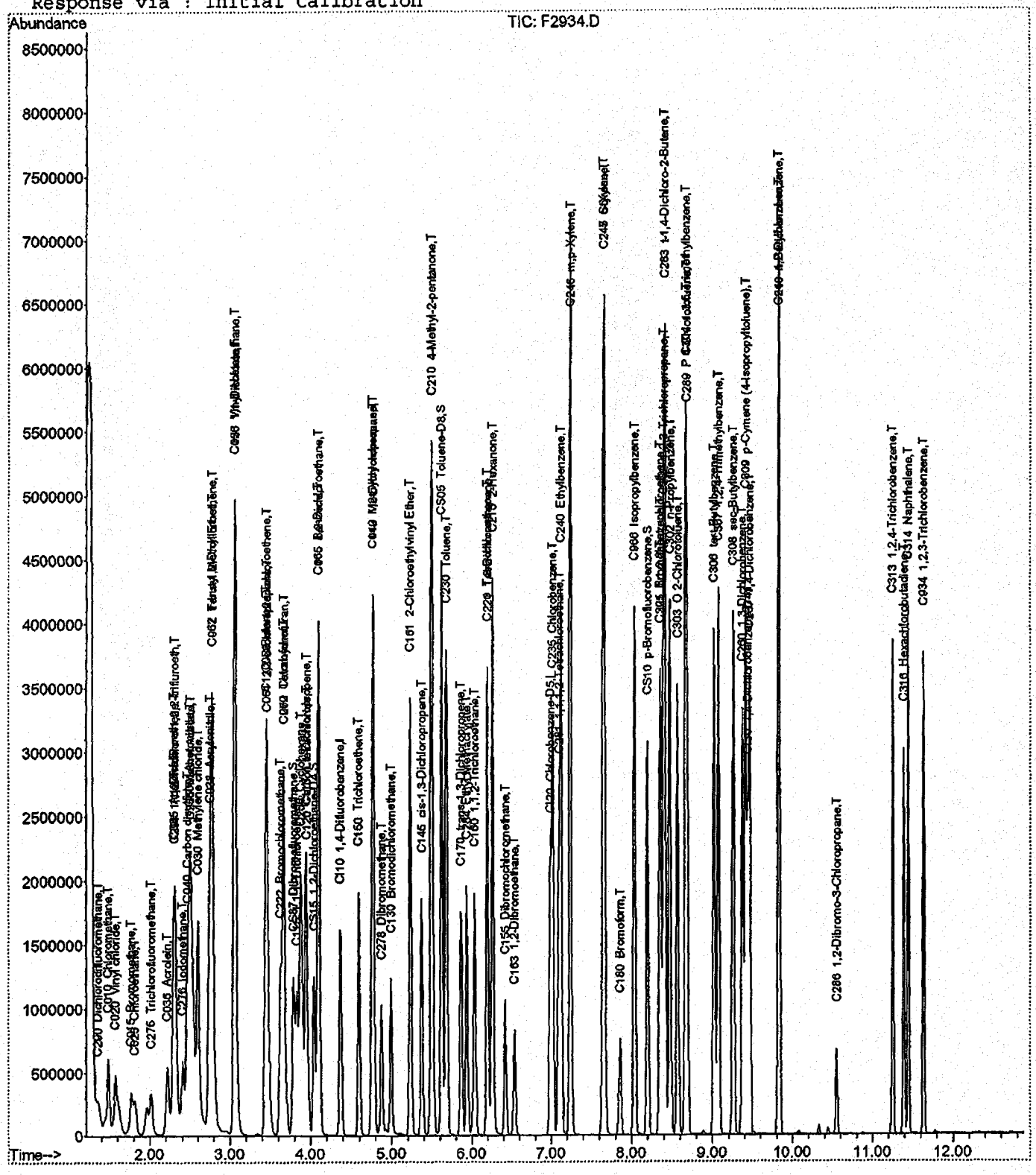
Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\062508\F2934.D
Acq On : 25 Jun 2008 3:56
Sample : VSTD100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:25 2008

Vial: 41
Operator: JLG
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000477.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:27:34 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\062508\F2934.D Vial: 41
Acq On : 25 Jun 2008 3:56 Operator: JLG
Sample : VSTD100 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 08:25:32 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:25:26 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\062508\F2933.D (25 Jun 2008 3:30)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.37	114	1377694	250.00	ng		0.00 102.27%
43) CI20	Chlorobenzene-D5	6.99	82	660971	250.00	ng		0.00 100.03%
63) CI30	1,4-Dichlorobenzene-	9.44	152	601923	250.00	ng		0.00 100.65%
System Monitoring Compounds								
27) CS87	Dibromofluoromethane	3.79	111	796575	487.17	ng		0.00
Spiked Amount	250.000	Range 70 - 130		Recovery =	194.87%#			
32) CS15	1,2-Dichloroethane-D	4.05	65	915600	471.12	ng		0.00
Spiked Amount	250.000	Range 64 - 126		Recovery =	188.45%#			
44) CS05	Toluene-D8	5.62	98	3223213	482.37	ng		0.00
Spiked Amount	250.000	Range 71 - 125		Recovery =	192.95%#			
62) CS10	p-Bromofluorobenzene	8.20	174	946693	480.86	ng		0.00
Spiked Amount	250.000	Range 72 - 126		Recovery =	192.34%#			
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.36	85	485299	496.82	ng		99
3) C010	Chloromethane	1.49	50	868934	477.74	ng		97
4) C020	Vinyl chloride	1.57	62	696565	480.82	ng		96
5) C015	Bromomethane	1.77	94	334085	499.54	ng		87
6) C025	Chloroethane	1.82	64	309492	475.35	ng		100
7) C275	Trichlorofluorometha	2.02	101	644368m	470.39	ng		95
8) C291	1,1,2-Trichloro-1,2,	2.32	101	491573	498.15	ng		94
9) C045	1,1-Dichloroethene	2.30	96	477118	499.49	ng	#	79
10) C030	Methylene chloride	2.61	84	829794	417.30	ng		89
11) C040	Carbon disulfide	2.47	76	2038921	500.69	ng		95
12) C036	Acrolein	2.22	56	718635	10044.12	ng		98
13) C038	Acrylonitrile	2.75	53	1694179	2547.86	ng		99
14) C035	Acetone	2.31	43	1043445	2512.86	ng		98
15) C300	Acetonitrile	2.50	41	4546820	20192.04	ng		100
16) C276	Iodomethane	2.41	142	918631	480.46	ng		100
17) C255	Methyl Acetate	2.52	43	1038989	493.71	ng		94
18) C962	T-butyl Methyl Ether	2.78	73	2128095	486.30	ng		87
19) C057	trans-1,2-Dichloroet	2.78	96	728761	479.42	ng		88
20) C050	1,1-Dichloroethane	3.06	63	1283179	477.85	ng		98
21) C125	Vinyl Acetate	3.06	43	7331458	2476.20	ng		95
22) C051	2,2-Dichloropropane	3.47	77	892271	491.36	ng		88
23) C056	cis-1,2-Dichloroethe	3.46	96	796582	479.69	ng		97
24) C272	Tetrahydrofuran	3.66	42	1447668	2575.62	ng		97
25) C222	Bromochloromethane	3.63	128	370476	494.59	ng	#	77
26) C060	Chloroform	3.68	83	1131320	482.08	ng		98
28) C256	Cyclohexane	3.88	56	1440535	487.63	ng	#	100
29) C115	1,1,1-Trichloroethan	3.83	97	922340	496.47	ng		96
30) C120	Carbon tetrachloride	3.96	117	705991	510.23	ng		92
31) C116	1,1-Dichloropropene	3.94	75	892925	485.00	ng		87

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\062508\F2934.D Vial: 41
Acq On : 25 Jun 2008 3:56 Operator: JLG
Sample : VSTD100 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 08:25:32 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:25:26 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.10	78	2917531	489.25	ng		97
34)	C065	1,2-Dichloroethane	4.11	62	922406	488.61	ng		88
35)	C110	2-Butanone	3.44	43	2076367	2542.14	ng		94
36)	C150	Trichloroethene	4.59	95	687983	484.61	ng		95
37)	C161	2-Chloroethylvinyl E	5.23	63	1563960	2156.12	ng	#	76
38)	C012	Methylcyclohexane	4.77	83	1280376	485.74	ng	#	79
39)	C140	1,2-Dichloropropane	4.78	63	791857	482.68	ng		100
40)	C278	Dibromomethane	4.87	93	430056	507.42	ng		92
41)	C130	Bromodichloromethane	5.00	83	836185	512.64	ng		97
42)	C145	cis-1,3-Dichloroprop	5.38	75	1147486	503.68	ng		96
45)	C230	Toluene	5.68	92	1757783	477.21	ng		95
46)	C170	trans-1,3-Dichloropr	5.87	75	1015600	520.29	ng		93
47)	C284	Ethyl Methacrylate	5.94	69	1057355	524.69	ng		89
48)	C160	1,1,2-Trichloroethan	6.04	83	538406	510.09	ng		96
49)	C210	4-Methyl-2-pentanone	5.50	43	4156247	2539.71	ng		91
50)	C220	Tetrachloroethene	6.20	166	668257	486.10	ng		95
51)	C221	1,3-Dichloropropane	6.20	76	1101835	497.54	ng		95
52)	C155	Dibromochloromethane	6.43	129	603831	538.13	ng		84
53)	C163	1,2-Dibromoethane	6.54	107	620622	508.64	ng		91
54)	C215	2-Hexanone	6.27	43	3000112	2562.29	ng		88
55)	C235	Chlorobenzene	7.02	112	1862367	489.53	ng		97
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	607146	517.00	ng		96
57)	C240	Ethylbenzene	7.13	91	3179816	486.10	ng		96
58)	C246	m,p-Xylene	7.25	106	2371266	962.88	ng		99
59)	C247	o-Xylene	7.65	106	1192831	483.94	ng	#	82
60)	C245	Styrene	7.67	104	1982243	495.40	ng		99
61)	C180	Bromoform	7.86	173	390256	564.65	ng		83
64)	C966	Isopropylbenzene	8.04	105	2913099	484.98	ng		92
65)	C301	Bromobenzene	8.37	156	746344	489.82	ng		98
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	849826	502.49	ng		93
67)	C282	1,2,3-Trichloropropa	8.40	110	227739	482.12	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	1285875	2575.91	ng		77
69)	C302	n-Propylbenzene	8.48	91	3753049	482.93	ng		97
70)	C303	O 2-Chlorotoluene	8.57	126	760437	490.81	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	768723	486.34	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	2472391	487.13	ng		85
73)	C306	tert-Butylbenzene	9.02	134	550731	486.77	ng		92
74)	C307	1,2,4-Trimethylbenze	9.08	105	2557668	486.71	ng		94
75)	C308	sec-Butylbenzene	9.26	105	3049525	482.43	ng		94
76)	C260	1,3-Dichlorobenzene	9.38	146	1424872	480.73	ng		98
77)	C309	p-Cymene (4-Isopropy	9.42	119	2733716	488.30	ng		95
78)	C267	1,4-Dichlorobenzene	9.47	146	1460470	484.61	ng		98
79)	C249	1,2-Dichlorobenzene	9.84	146	1363123	476.81	ng		99
80)	C310	n-Butylbenzene	9.83	91	2637244	479.95	ng		99
81)	C286	1,2-Dibromo-3-Chloro	10.56	75	153241	551.33	ng		96
82)	C313	1,2,4-Trichlorobenze	11.26	180	1054201	478.34	ng		98
83)	C316	Hexachlorobutadiene	11.40	225	496237	461.09	ng		99
84)	C314	Naphthalene	11.45	128	2739627	494.14	ng		97
85)	C934	1,2,3-Trichlorobenze	11.64	180	1008688	482.86	ng		99

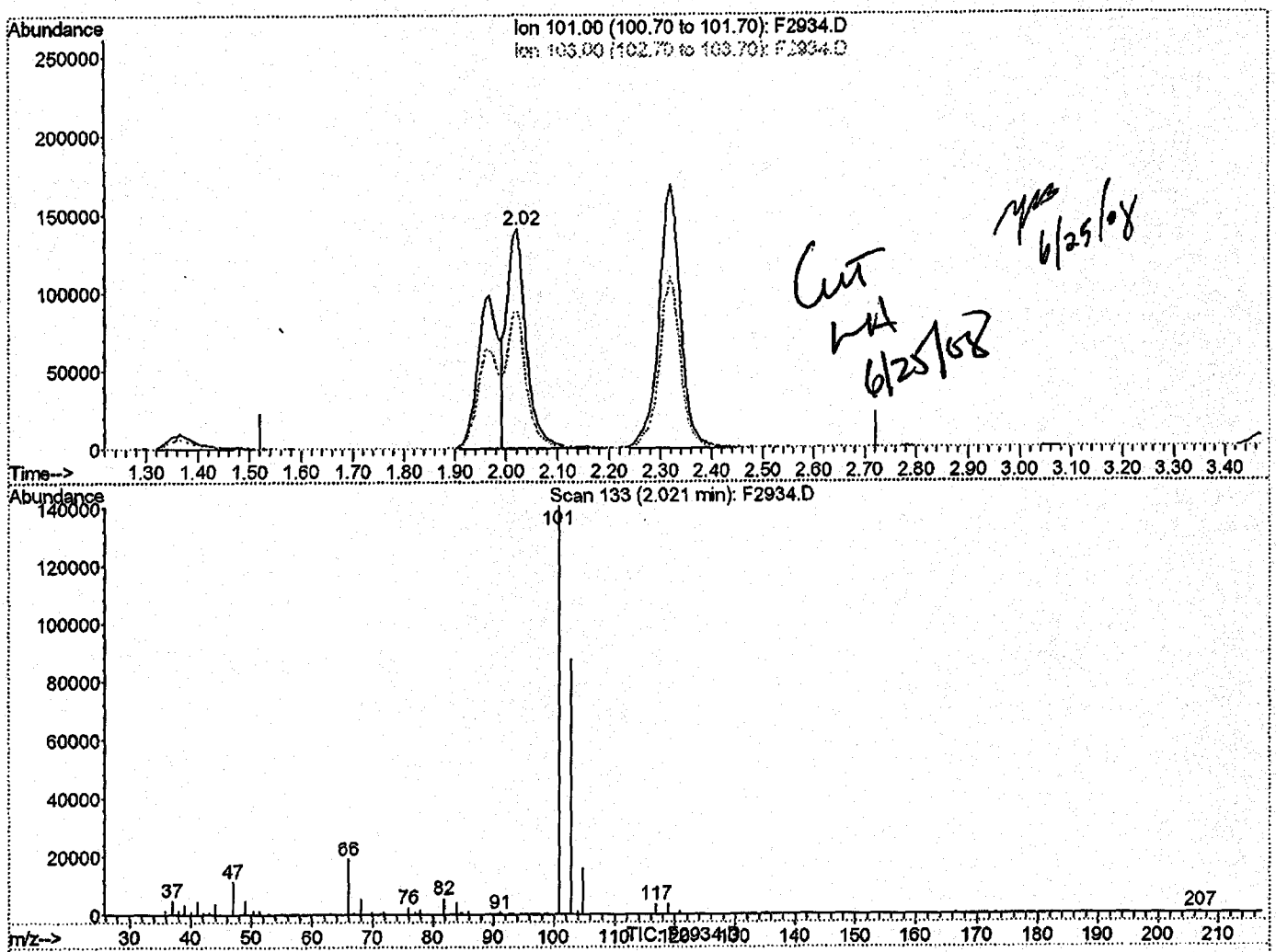
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\062508\F2934.D
Acq On : 25 Jun 2008 3:56
Sample : VSTD100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:25 2008

Vial: 41
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:25:26 2008
Response via : Multiple Level Calibration



(7) C275 Trichlorofluoromethane (T)

2.02min 268.07ng

response 367224

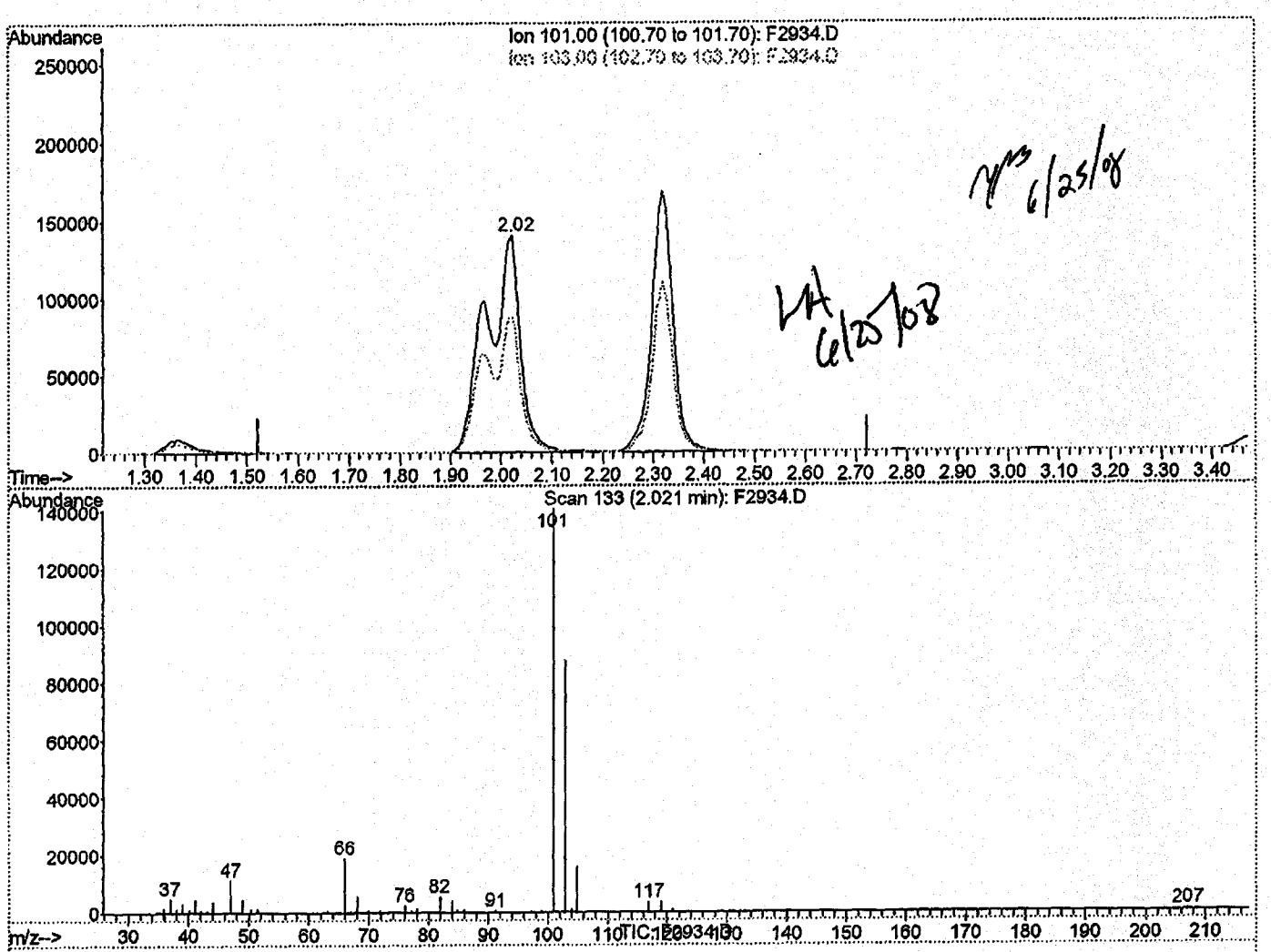
Ion	Exp%	Act%
101.00	100	100
103.00	58.90	62.31
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\062508\F2934.D
Acq On : 25 Jun 2008 3:56
Sample : VSTD100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:25 2008

Vial: 41
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:25:26 2008
Response via : Multiple Level Calibration



(7) C275 Trichlorofluoromethane (T)

2.02min 470.39ng m

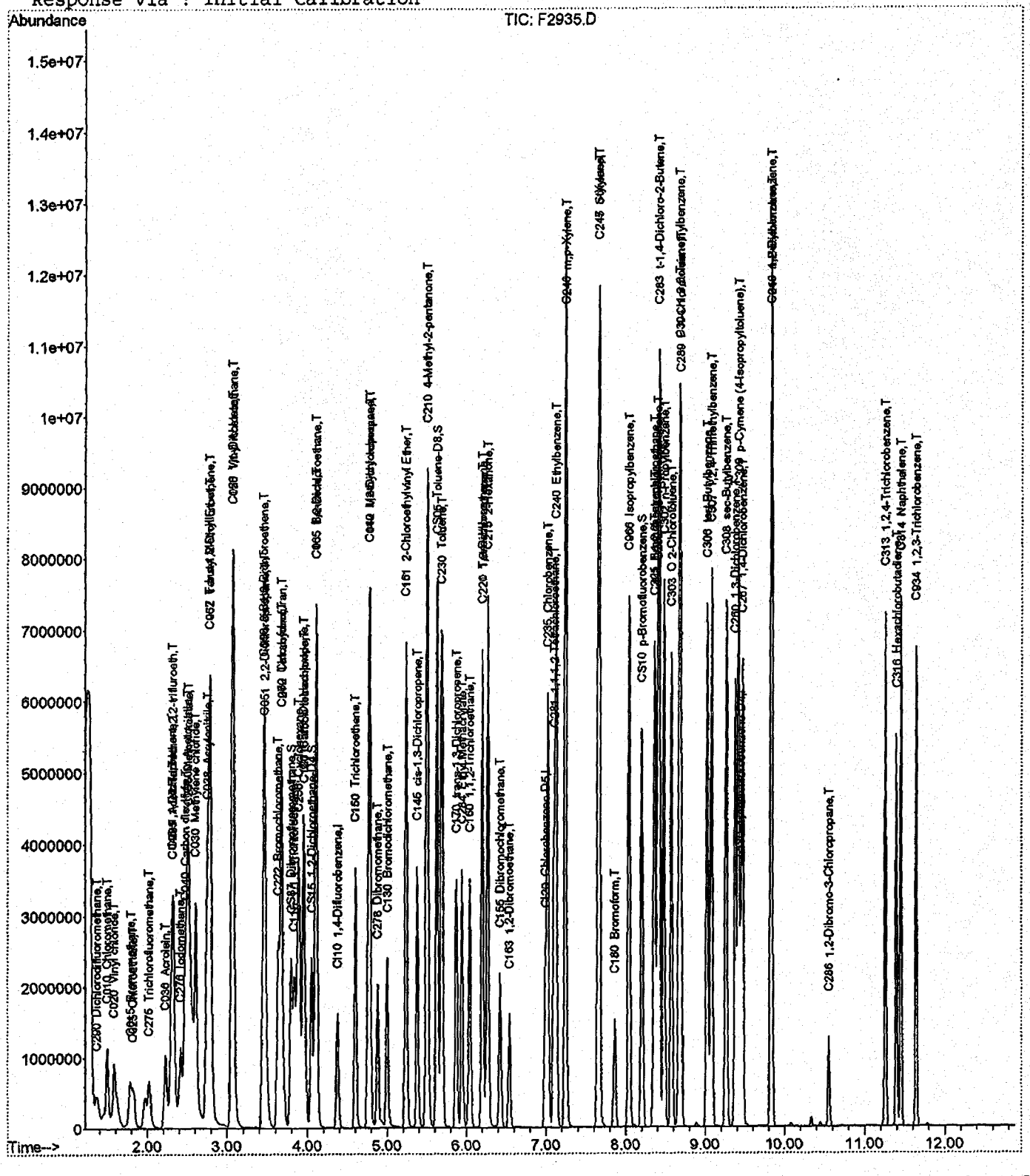
response 644368

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	62.31
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\062508\F2935.D Vial: 42
Acq On : 25 Jun 2008 4:21 Operator: JLG
Sample : VSTD200 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:26 2008 Quant Results File: A8I00000477.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:27:34 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\062508\F2935.D Vial: 42
Acq On : 25 Jun 2008 4:21 Operator: JLG
Sample : VSTD200 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 08:26:10 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:26:03 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\062508\F2933.D (25 Jun 2008 3:30)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	1389784	250.00	ng		0.00 103.17%
43) CI20	Chlorobenzene-D5	6.99	82	660453	250.00	ng		0.00 99.95%
63) CI30	1,4-Dichlorobenzene-	9.44	152	586755	250.00	ng		0.00 98.12%
System Monitoring Compounds								
27) CS87	Dibromofluoromethane	3.79	111	1519790	921.39	ng		0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	368.56%#		
32) CS15	1,2-Dichloroethane-D	4.05	65	1785577	910.77	ng		0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	364.31%#		
44) CS05	Toluene-D8	5.63	98	5710263	855.25	ng		0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	342.10%#		
62) CS10	p-Bromofluorobenzene	8.20	174	1723348	876.04	ng		0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	350.42%#		
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.36	85	960292	974.53	ng		99
3) C010	Chloromethane	1.50	50	1723477	939.33	ng		95
4) C020	Vinyl chloride	1.58	62	1373484m	939.84	ng		96
5) C015	Bromomethane	1.78	94	648535	961.29	ng		89
6) C025	Chloroethane	1.83	64	643990m	980.49	ng		97
7) C275	Trichlorofluorometha	2.02	101	1316948m	953.12	ng		93
8) C291	1,1,2-Trichloro-1,2,	2.33	101	874727	878.73	ng		93
9) C045	1,1-Dichloroethene	2.31	96	824167	855.30	ng	#	74
10) C030	Methylene chloride	2.61	84	1587423	791.37	ng		88
11) C040	Carbon disulfide	2.47	76	3688032	897.78	ng		95
12) C036	Acrolein	2.23	56	1377434	19084.46	ng		96
13) C038	Acrylonitrile	2.75	53	3074768	4583.89	ng		100
14) C035	Acetone	2.32	43	1786474	4264.83	ng		97
15) C300	Acetonitrile	2.51	41	8356536	36787.83	ng		100
16) C276	Iodomethane	2.42	142	1822820	945.08	ng		100
17) C255	Methyl Acetate	2.53	43	1898843	894.45	ng		95
18) C962	T-butyl Methyl Ether	2.78	73	4162713	942.96	ng		87
19) C057	trans-1,2-Dichloroet	2.79	96	1383888	902.48	ng		89
20) C050	1,1-Dichloroethane	3.06	63	2415622	891.74	ng		98
21) C125	Vinyl Acetate	3.07	43	12294306	4116.29	ng		92
22) C051	2,2-Dichloropropane	3.48	77	1744864	952.51	ng		93
23) C056	cis-1,2-Dichloroethe	3.46	96	1527031	911.56	ng		95
24) C272	Tetrahydrofuran	3.67	42	2574389	4540.38	ng		97
25) C222	Bromochloromethane	3.63	128	728070	963.52	ng	#	80
26) C060	Chloroform	3.68	83	2207670	932.56	ng		98
28) C256	Cyclohexane	3.89	56	2681048	899.66	ng	#	100
29) C115	1,1,1-Trichloroethan	3.83	97	1808076	964.76	ng		96
30) C120	Carbon tetrachloride	3.96	117	1406436	1007.62	ng		94
31) C116	1,1-Dichloropropene	3.95	75	1713243	922.47	ng		88

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\062508\F2935.D
Acq On : 25 Jun 2008 4:21
Sample : VSTD200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 25 08:26:10 2008

Vial: 42
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:26:03 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.11	78	5304661	881.82	ng		96
34)	C065	1,2-Dichloroethane	4.11	62	1776073	932.61	ng		88
35)	C110	2-Butanone	3.45	43	3693111	4482.21	ng		94
36)	C150	Trichloroethene	4.60	95	1340823	936.25	ng		96
37)	C161	2-Chloroethylvinyl E	5.24	63	3258850	4453.66	ng	#	76
38)	C012	Methylcyclohexane	4.77	83	2355083	885.67	ng		81
39)	C140	1,2-Dichloropropane	4.78	63	1526692	922.51	ng		100
40)	C278	Dibromomethane	4.88	93	836499	978.40	ng		96
41)	C130	Bromodichloromethane	5.00	83	1683794	1023.31	ng		97
42)	C145	cis-1,3-Dichloroprop	5.38	75	2258418	982.69	ng		96
45)	C230	Toluene	5.69	92	3353813	911.22	ng		99
46)	C170	trans-1,3-Dichloropr	5.87	75	2010388	1030.72	ng		96
47)	C284	Ethyl Methacrylate	5.95	69	1995900	991.21	ng		88
48)	C160	1,1,2-Trichloroethan	6.04	83	1023190	970.14	ng		93
49)	C210	4-Methyl-2-pentanone	5.50	43	7068180	4322.46	ng		87
50)	C220	Tetrachloroethene	6.20	166	1260691	917.76	ng		96
51)	C221	1,3-Dichloropropane	6.21	76	2061375	931.56	ng		97
52)	C155	Dibromochloromethane	6.43	129	1228933	1096.07	ng		84
53)	C163	1,2-Dibromoethane	6.54	107	1190536	976.49	ng		92
54)	C215	2-Hexanone	6.27	43	5137781	4391.44	ng		86
55)	C235	Chlorobenzene	7.02	112	3536197	930.24	ng		98
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	1197028	1020.10	ng		96
57)	C240	Ethylbenzene	7.13	91	5783722	884.85	ng		94
58)	C246	m,p-Xylene	7.25	106	4310822	1751.84	ng		93
59)	C247	o-Xylene	7.65	106	2229198	905.11	ng	#	80
60)	C245	Styrene	7.67	104	3691360	923.26	ng		98
61)	C180	Bromoform	7.86	173	807708	1169.57	ng		88
64)	C966	Isopropylbenzene	8.04	105	5404013	922.94	ng		90
65)	C301	Bromobenzene	8.37	156	1405184	946.04	ng		97
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	1573451	954.40	ng		92
67)	C282	1,2,3-Trichloropropa	8.40	110	422415	917.37	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	2294306	4714.84	ng	#	77
69)	C302	n-Propylbenzene	8.48	91	6708090	885.49	ng		99
70)	C303	O 2-Chlorotoluene	8.57	126	1441000	954.12	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	1426871	926.06	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	4537620	917.14	ng		85
73)	C306	tert-Butylbenzene	9.02	134	1055808	957.32	ng		97
74)	C307	1,2,4-Trimethylbenze	9.08	105	4763557	929.91	ng		96
75)	C308	sec-Butylbenzene	9.26	105	5608225	910.15	ng		95
76)	C260	1,3-Dichlorobenzene	9.38	146	2698264	933.90	ng		98
77)	C309	p-Cymene (4-Isopropy	9.42	119	5013891	918.74	ng		97
78)	C267	1,4-Dichlorobenzene	9.47	146	2742729	933.61	ng		98
79)	C249	1,2-Dichlorobenzene	9.84	146	2507691	899.85	ng		99
80)	C310	n-Butylbenzene	9.83	91	4679078	873.55	ng		97
81)	C286	1,2-Dibromo-3-Chloro	10.55	75	297020	1096.25	ng		90
82)	C313	1,2,4-Trichlorobenze	11.26	180	1951596	908.41	ng		100
83)	C316	Hexachlorobutadiene	11.40	225	939452	895.48	ng		97
84)	C314	Naphthalene	11.45	128	4935699	913.26	ng		98
85)	C934	1,2,3-Trichlorobenze	11.64	180	1840908	904.03	ng		100

(#) = qualifier out of range (m) = manual integration

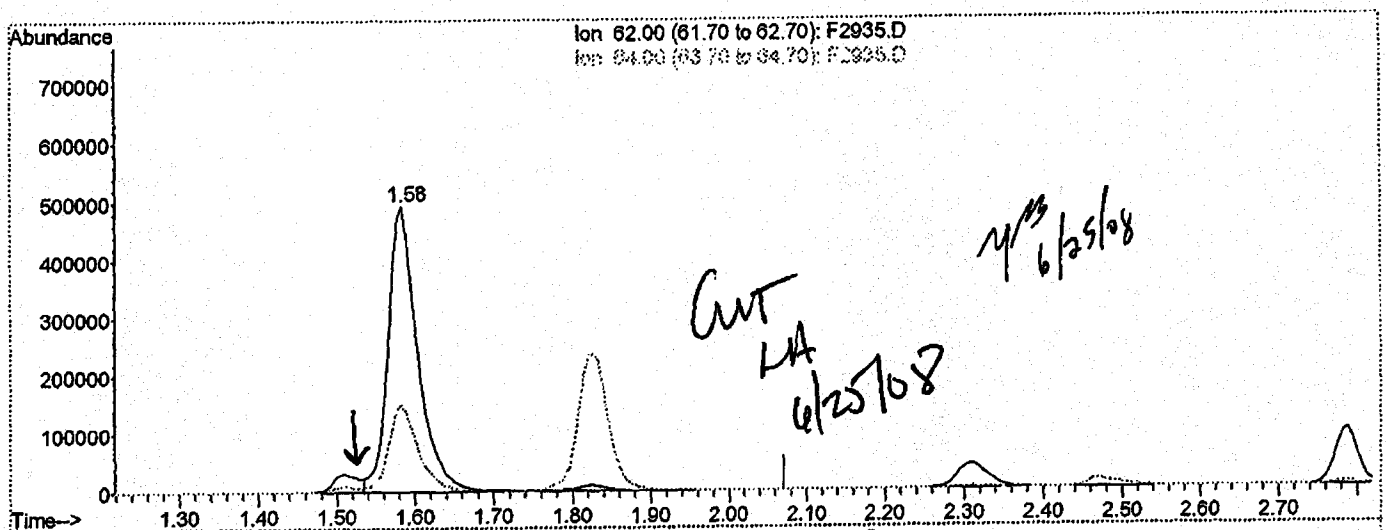
Quantitation Report (Qedit)

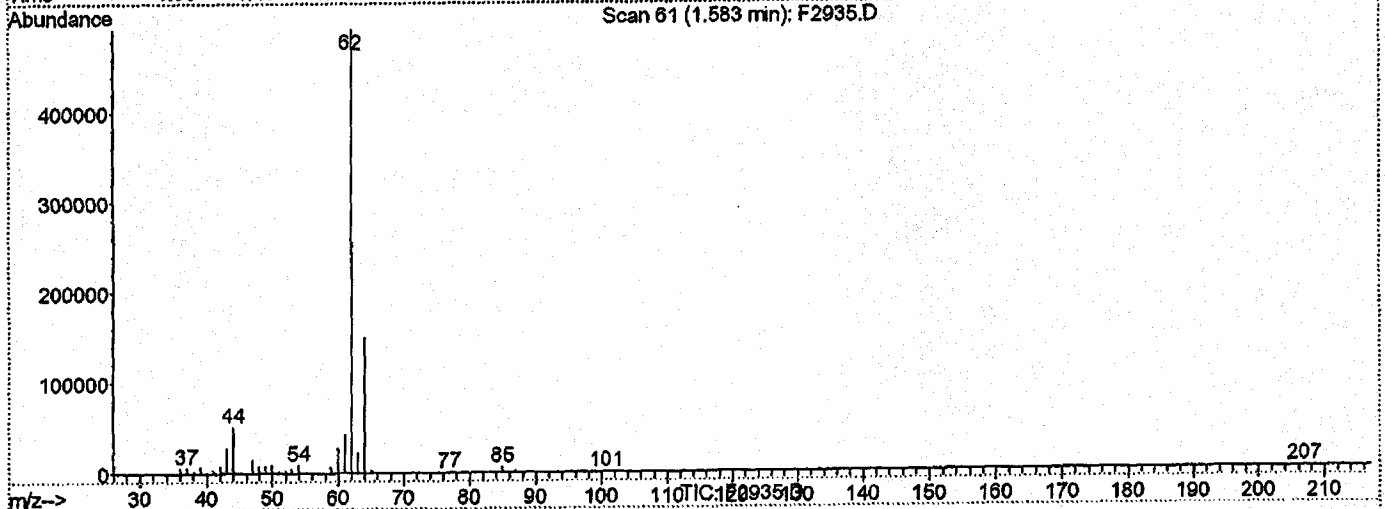
Data File : H:\GCMS_VOA\F\062508\F2935.D
Acq On : 25 Jun 2008 4:21
Sample : VSTD200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:26 2008

Vial: 42
Operator: JLG
Inst : HP5973F
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:26:03 2008
Response via : Multiple Level Calibration





(4) C020 Vinyl chloride (T)

1.58min 891.04ng

response 1302177

Ion	Exp%	Act%
62.00	100	100
64.00	32.70	30.48
0.00	0.00	0.00
0.00	0.00	0.00

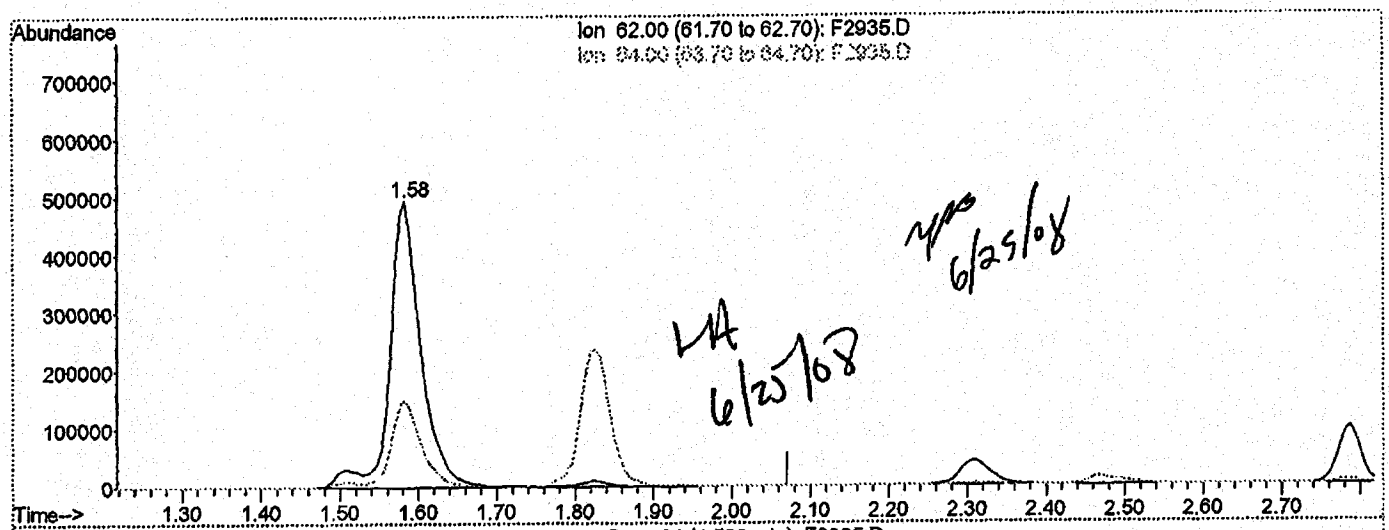
Quantitation Report (Qedit)

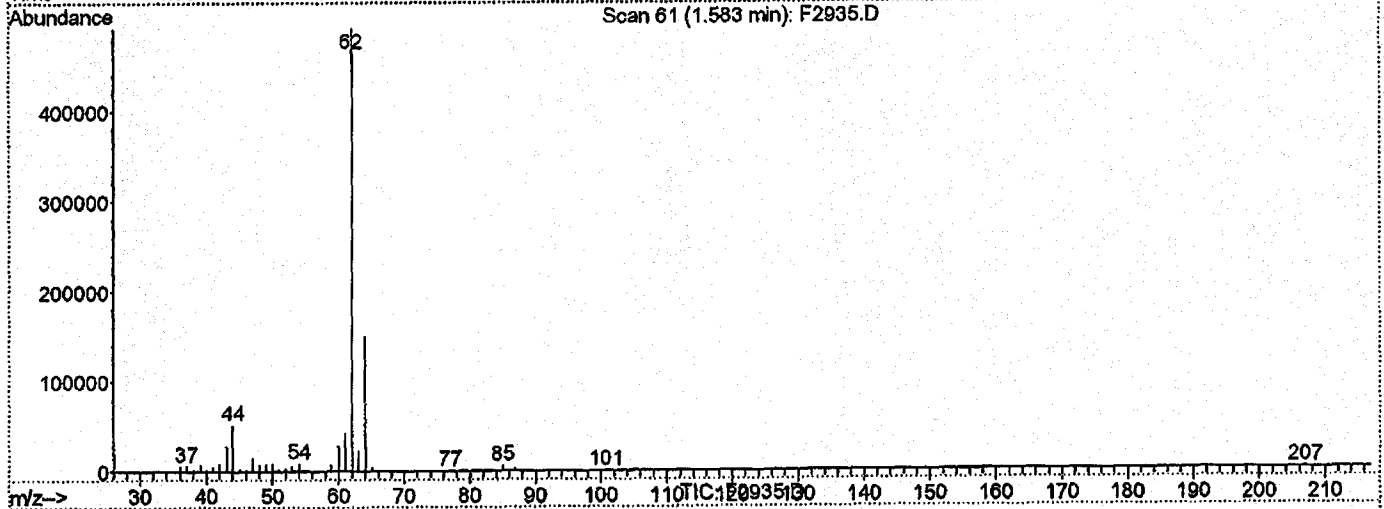
Data File : H:\GCMS_VOA\F\062508\F2935.D
Acq On : 25 Jun 2008 4:21
Sample : VSTD200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:26 2008

Vial: 42
Operator: JLG
Inst : HP5973F
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:26:03 2008
Response via : Multiple Level Calibration





(4) C020 Vinyl chloride (T)

1.58min 939.84ng m

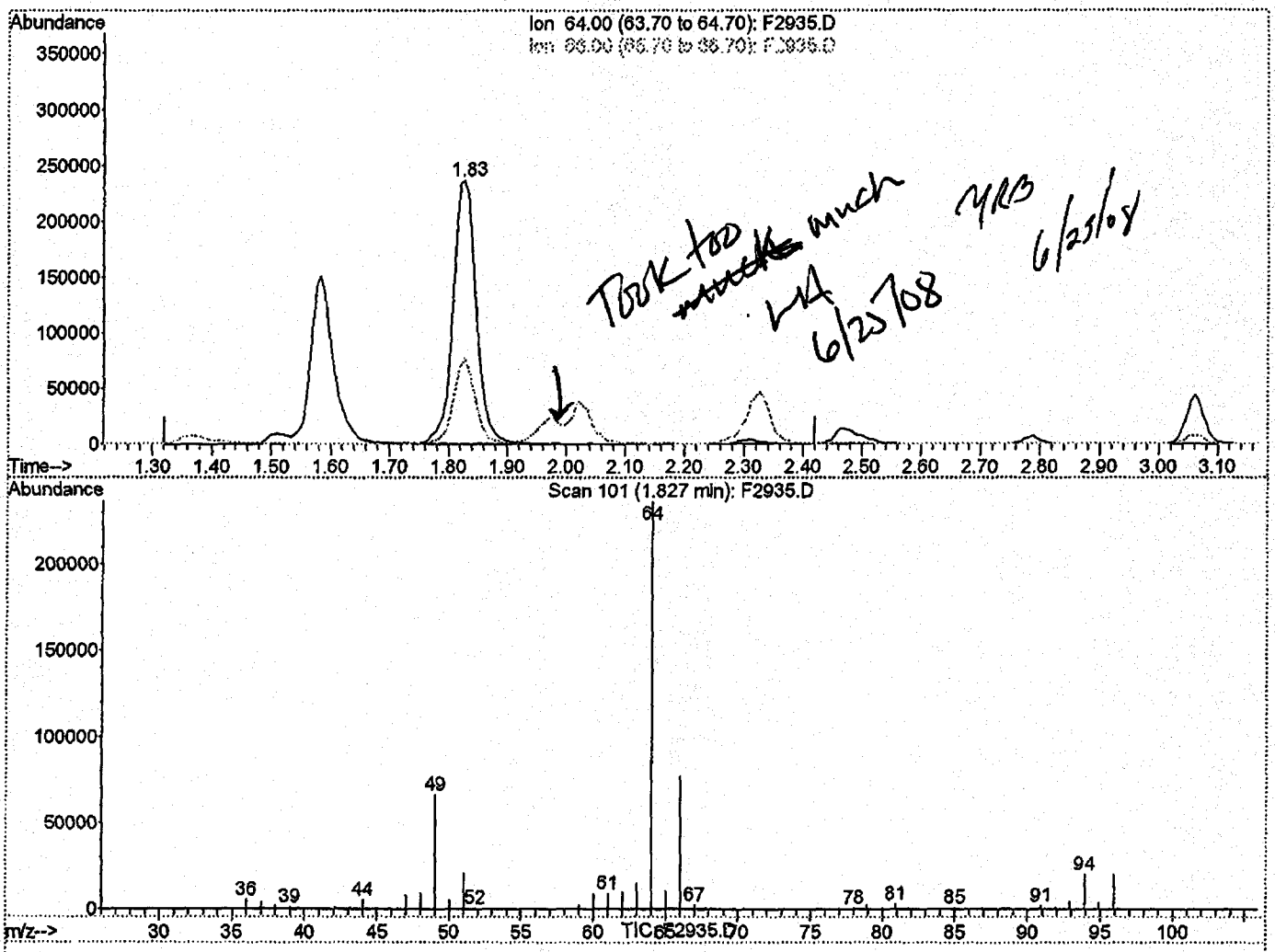
response 1373484

Ion	Exp%	Act%
62.00	100	100
64.00	32.70	30.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\062508\F2935.D Vial: 42
Acq On : 25 Jun 2008 4:21 Operator: JLG
Sample : VSTD200 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:26 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:26:03 2008
Response via : Multiple Level Calibration



(6) C025 Chloroethane (T)

1.83min 984.29ng

response 646482

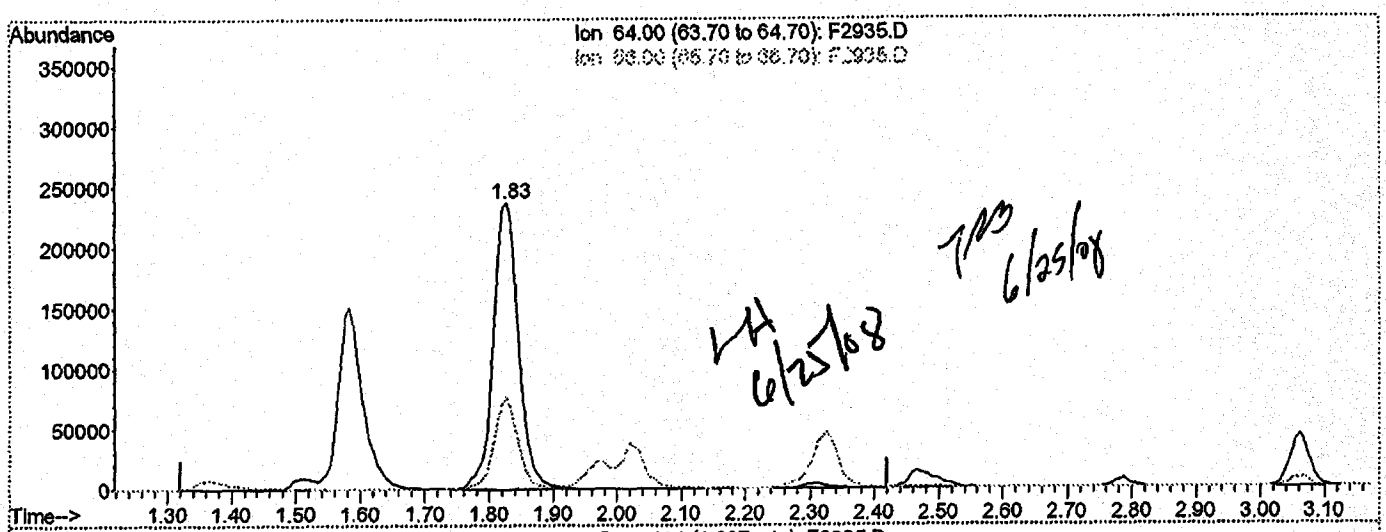
Ion	Exp%	Act%
64.00	100	100
66.00	30.90	32.56
0.00	0.00	0.00
0.00	0.00	0.00

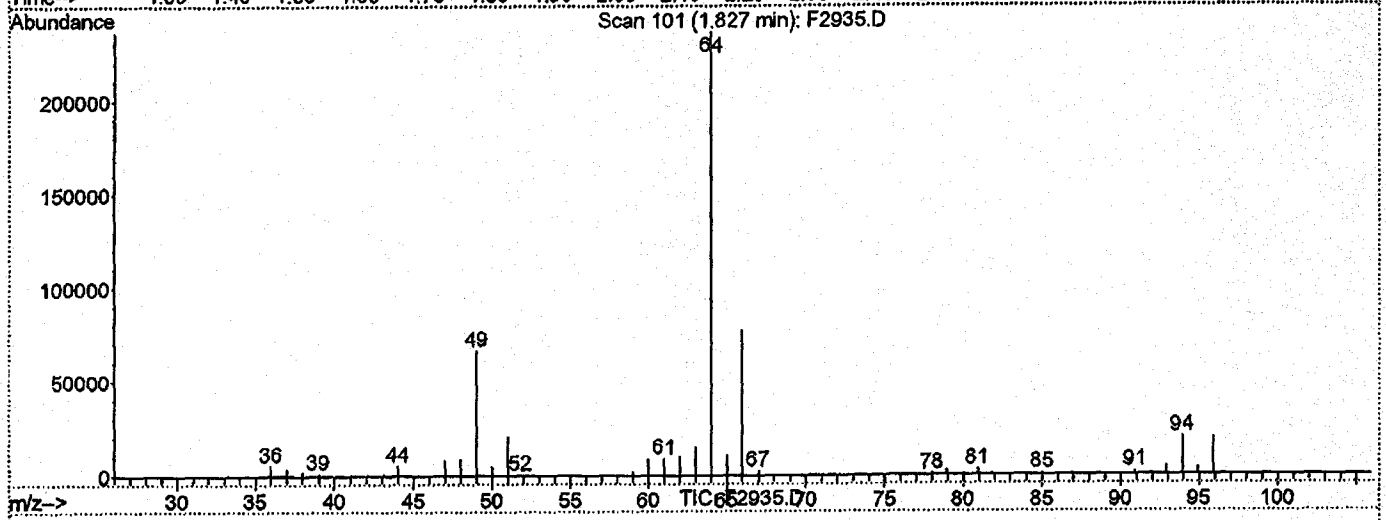
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\062508\F2935.D
Acq On : 25 Jun 2008 4:21
Sample : VSTD200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:26 2008

Vial: 42
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:26:03 2008
Response via : Multiple Level Calibration





(6) C025 Chloroethane (T)

1.83min 980.49ng m

response 643990

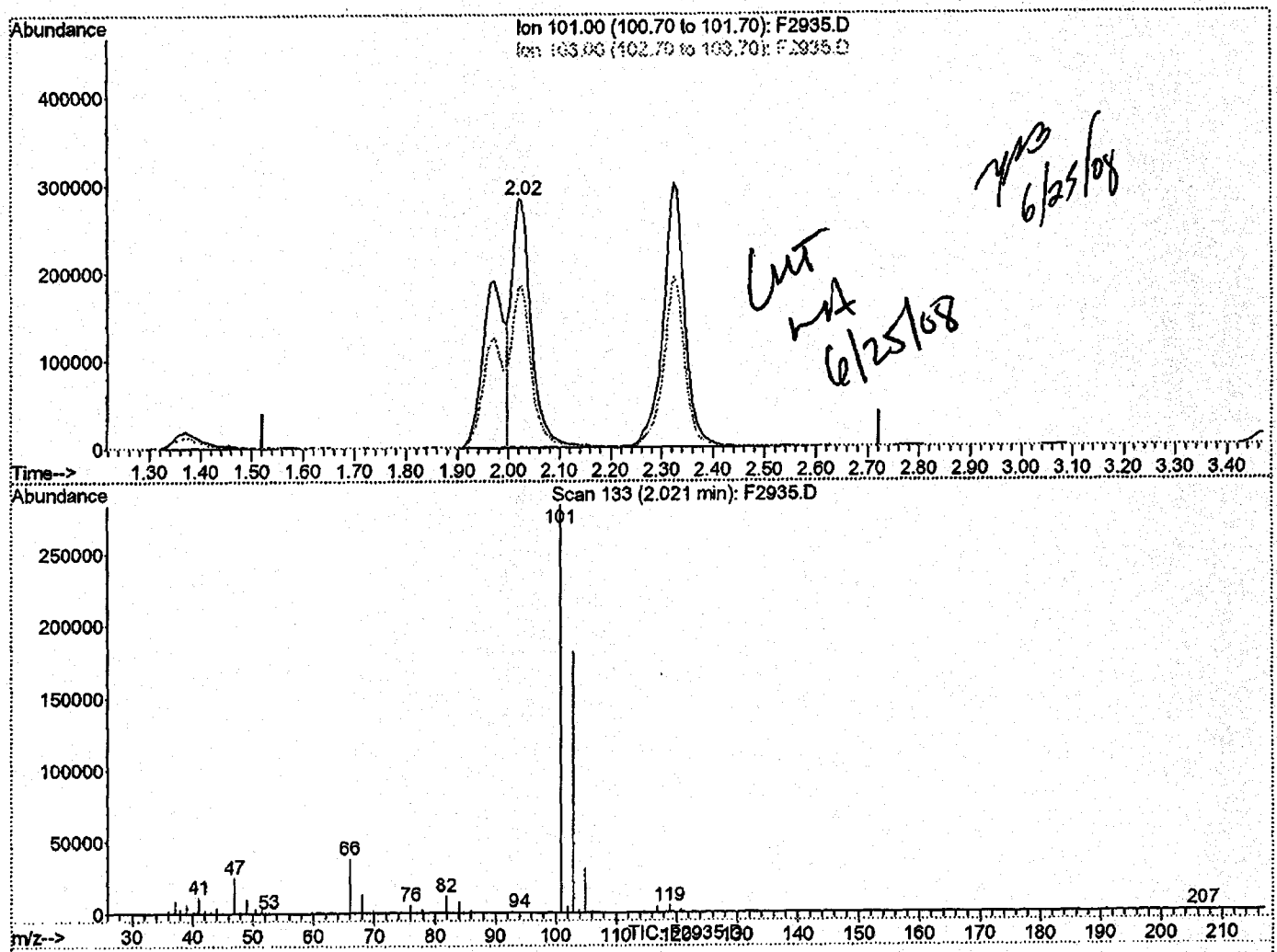
Ion	Exp%	Act%
64.00	100	100
66.00	30.90	32.56
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\062508\F2935.D
Acq On : 25 Jun 2008 4:21
Sample : VSTD200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:26 2008

Vial: 42
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:26:03 2008
Response via : Multiple Level Calibration



(7) C275 Trichlorofluoromethane (T)

2.02min 544.20ng

response 751928

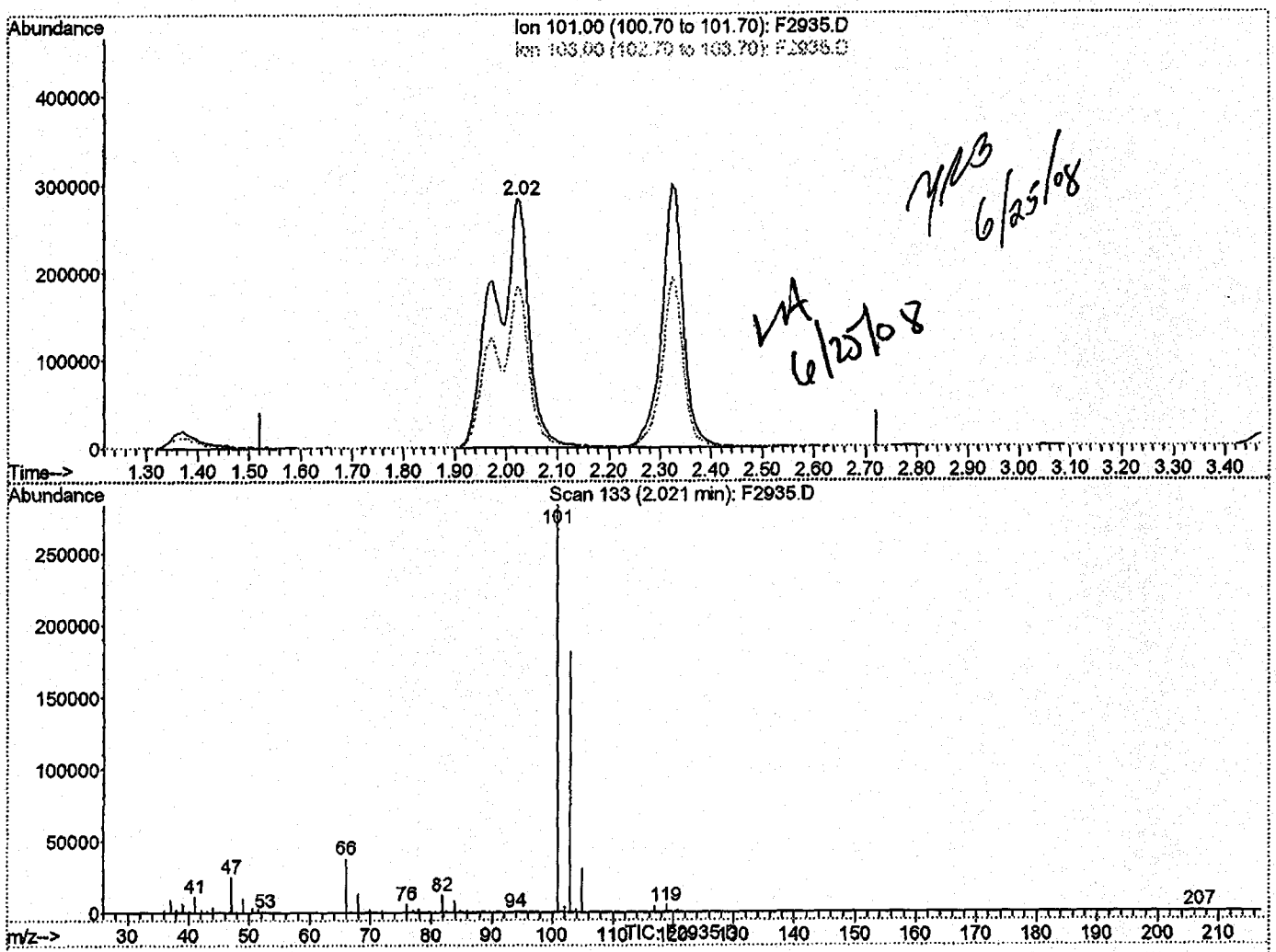
Ion	Exp%	Act%
101.00	100	100
103.00	58.90	63.94
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\062508\F2935.D
Acq On : 25 Jun 2008 4:21
Sample : VSTD200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:26 2008

Vial: 42
Operator: JLG
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:26:03 2008
Response via : Multiple Level Calibration



(7) C275 Trichlorofluoromethane (T)

2.02min 953.12ng m

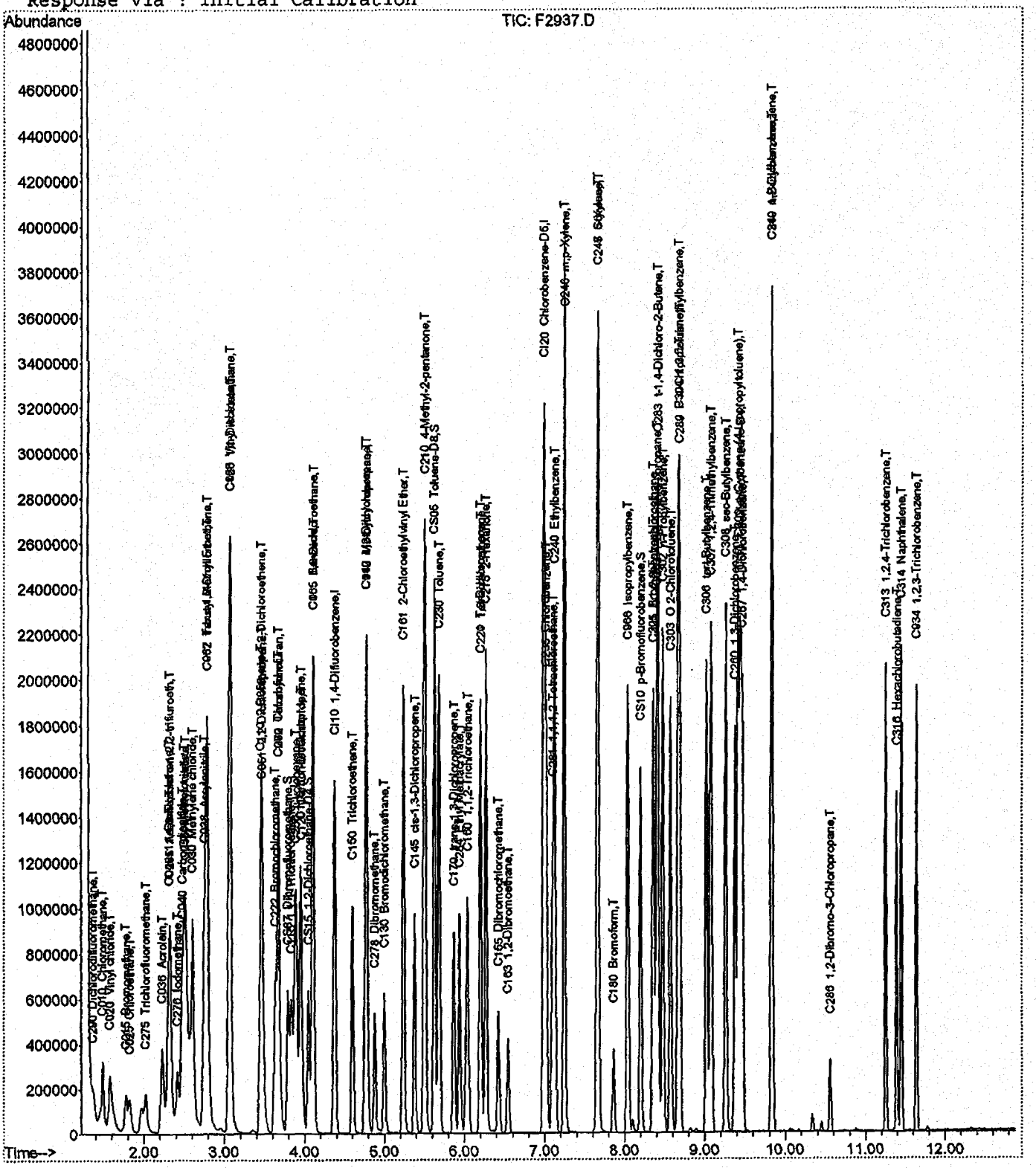
response 1316948

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	63.94
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\062508\F2937.D Vial: 44
Acq On : 25 Jun 2008 5:12 Operator: JLG
Sample : MSB/SSCAL Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:49 2008 Quant Results File: A8I00000477.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:27:34 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\062508\F2937.D Vial: 44
Acq On : 25 Jun 2008 5:12 Operator: JLG
Sample : MSB/SSCAL Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 08:48:48 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:27:34 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\062508\F2933.D (25 Jun 2008 3:30)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	1314943	250.00	ng		0.00 97.61%
43) CI20	Chlorobenzene-D5	6.99	82	633801	250.00	ng		0.00 95.91%
63) CI30	1,4-Dichlorobenzene-	9.44	152	578504	250.00	ng		0.00 96.74%
System Monitoring Compounds								
27) CS87	Dibromofluoromethane	3.79	111	408035	261.43	ng		0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	104.57%		
32) CS15	1,2-Dichloroethane-D	4.05	65	459120	247.50	ng		0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	99.00%		
44) CS05	Toluene-D8	5.62	98	1746769	272.64	ng		0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	109.06%		
62) CS10	p-Bromofluorobenzene	8.20	174	486416	257.68	ng		0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	103.07%		
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.37	85	309238	331.65	ng		97
3) C010	Chloromethane	1.49	50	465066	267.87	ng		95
4) C020	Vinyl chloride	1.58	62	385293	278.76	ng		97
5) C015	Bromomethane	1.78	94	150622	235.94	ng		88
6) C025	Chloroethane	1.82	64	164917	265.39	ng		98
7) C275	Trichlorofluorometha	2.02	101	325408m	248.93	ng		90
8) C291	1,1,2-Trichloro-1,2,	2.33	101	243535	258.38	ng		93
9) C045	1,1-Dichloroethene	2.31	96	227322	249.28	ng		81
10) C030	Methylene chloride	2.61	84	442746	271.29	ng		86
11) C040	Carbon disulfide	2.47	76	1037427	266.91	ng		95
12) C036	Acrolein	2.23	56	499257	7311.22	ng		96
13) C038	Acrylonitrile	2.75	53	852804	1343.61	ng		99
14) C035	Acetone	2.32	43	461380	1164.05	ng		93
15) C300	Acetonitrile	2.50	41	2262161	10524.54	ng		100
16) C276	Iodomethane	2.42	142	396222	217.05	ng		97
17) C255	Methyl Acetate	2.52	43	433396	215.75	ng		95
18) C962	T-butyl Methyl Ether	2.78	73	1159167	277.50	ng		88
19) C057	trans-1,2-Dichloroet	2.79	96	390885	269.35	ng		89
20) C050	1,1-Dichloroethane	3.06	63	683464	266.63	ng		97
21) C125	Vinyl Acetate	3.07	43	3785452	1339.35	ng		96
22) C051	2,2-Dichloropropane	3.48	77	463244	267.25	ng		90
23) C056	cis-1,2-Dichloroethe	3.46	96	423270	267.06	ng		95
24) C272	Tetrahydrofuran	3.67	42	714588	1332.32	ng		97
25) C222	Bromochloromethane	3.63	128	195097	272.86	ng	#	78
26) C060	Chloroform	3.68	83	603310	269.32	ng		96
28) C256	Cyclohexane	3.89	56	733147	260.00	ng	#	100
29) C115	1,1,1-Trichloroethan	3.83	97	477410	269.23	ng		100
30) C120	Carbon tetrachloride	3.96	117	364322	275.84	ng		93
31) C116	1,1-Dichloropropene	3.94	75	475618	270.60	ng		89

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\062508\F2937.D Vial: 44
Acq On : 25 Jun 2008 5:12 Operator: JLG
Sample : MSB/SSCAL Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 08:48:48 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:27:34 2008
Response via : Initial Calibration
DataAcq Meth : VOA

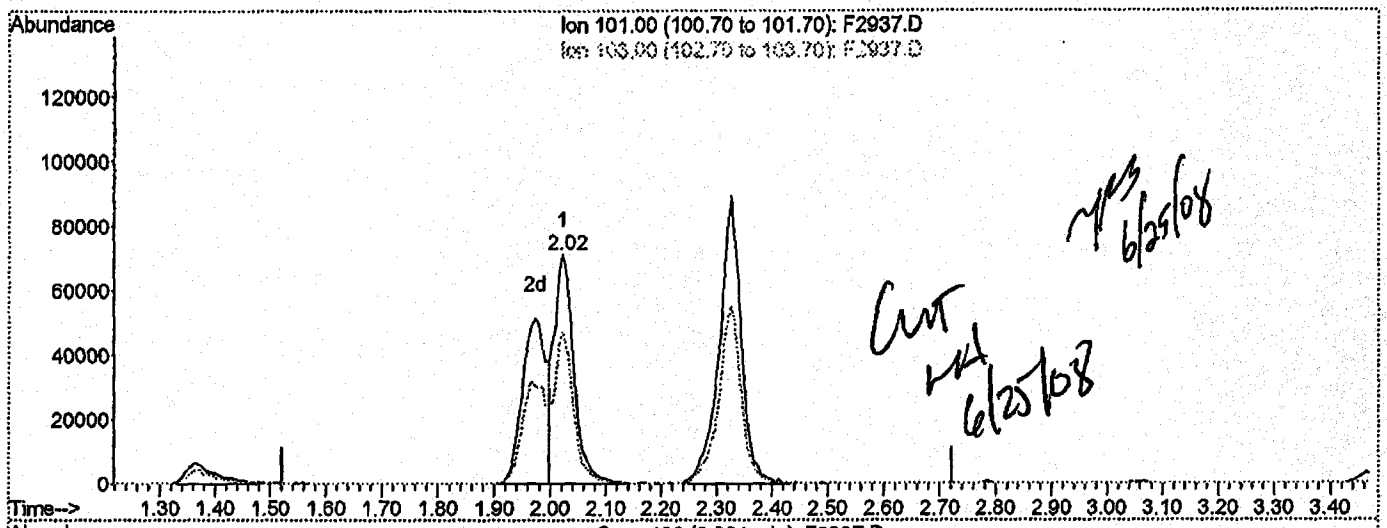
	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.10	78	1528030	268.45	ng		97
34)	C065	1,2-Dichloroethane	4.11	62	476477	264.40	ng		88
35)	C110	2-Butanone	3.44	43	983718	1261.75	ng		91
36)	C150	Trichloroethene	4.60	95	364970	269.30	ng		96
37)	C161	2-Chloroethylvinyl E	5.23	63	903868	1305.42	ng	#	76
38)	C012	Methylcyclohexane	4.77	83	653587	259.76	ng		81
39)	C140	1,2-Dichloropropane	4.78	63	419962	268.17	ng		100
40)	C278	Dibromomethane	4.87	93	221239	273.47	ng		93
41)	C130	Bromodichloromethane	5.00	83	432916	278.03	ng		100
42)	C145	cis-1,3-Dichloroprop	5.38	75	591402	271.92	ng		97
45)	C230	Toluene	5.68	92	942374	266.83	ng		94
46)	C170	trans-1,3-Dichloropr	5.87	75	518410	276.99	ng		97
47)	C284	Ethyl Methacrylate	5.94	69	528989	273.78	ng		88
48)	C160	1,1,2-Trichloroethan	6.04	83	277402	274.11	ng		93
49)	C210	4-Methyl-2-pentanone	5.50	43	2077543	1324.04	ng		92
50)	C220	Tetrachloroethene	6.19	166	349279	264.99	ng		93
51)	C221	1,3-Dichloropropane	6.21	76	573257	269.98	ng		96
52)	C155	Dibromochloromethane	6.43	129	298484	277.44	ng		83
53)	C163	1,2-Dibromoethane	6.54	107	319657	273.24	ng		93
54)	C215	2-Hexanone	6.27	43	1459316	1299.90	ng		88
55)	C235	Chlorobenzene	7.02	112	986219	270.37	ng		98
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	310707	275.95	ng		94
57)	C240	Ethylbenzene	7.13	91	1690432	269.52	ng		98
58)	C246	m,p-Xylene	7.25	106	1270049	537.88	ng		96
59)	C247	o-Xylene	7.65	106	642307	271.78	ng	#	82
60)	C245	Styrene	7.67	104	1074344	280.03	ng		97
61)	C180	Bromoform	7.86	173	191269	263.92	ng		81
64)	C966	Isopropylbenzene	8.04	105	1420849	246.12	ng		90
65)	C301	Bromobenzene	8.36	156	394109	269.12	ng		95
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	457590	281.52	ng		94
67)	C282	1,2,3-Trichloropropa	8.40	110	107103	235.91	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.41	53	559184	1165.52	ng	#	72
69)	C302	n-Propylbenzene	8.48	91	1961644	262.72	ng		94
70)	C303	O 2-Chlorotoluene	8.57	126	401834	269.86	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	394204	259.49	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	1299912	266.48	ng		86
73)	C306	tert-Butylbenzene	9.02	134	286280	263.28	ng		89
74)	C307	1,2,4-Trimethylbenze	9.08	105	1361376	269.55	ng		94
75)	C308	sec-Butylbenzene	9.26	105	1706578	280.91	ng		93
76)	C260	1,3-Dichlorobenzene	9.38	146	760217	266.87	ng		97
77)	C309	p-Cymene (4-Isopropy	9.41	119	1394564	259.18	ng		97
78)	C267	1,4-Dichlorobenzene	9.47	146	770792	266.12	ng		98
79)	C249	1,2-Dichlorobenzene	9.84	146	736560	268.07	ng		99
80)	C310	n-Butylbenzene	9.83	91	1395578	264.26	ng		99
81)	C286	1,2-Dibromo-3-Chloro	10.55	75	73716	275.95	ng		81
82)	C313	1,2,4-Trichlorobenze	11.26	180	553799	261.45	ng		99
83)	C316	Hexachlorobutadiene	11.40	225	255817	247.32	ng		95
84)	C314	Naphthalene	11.45	128	1441841	270.59	ng		96
85)	C934	1,2,3-Trichlorobenze	11.64	180	536447	267.20	ng		97

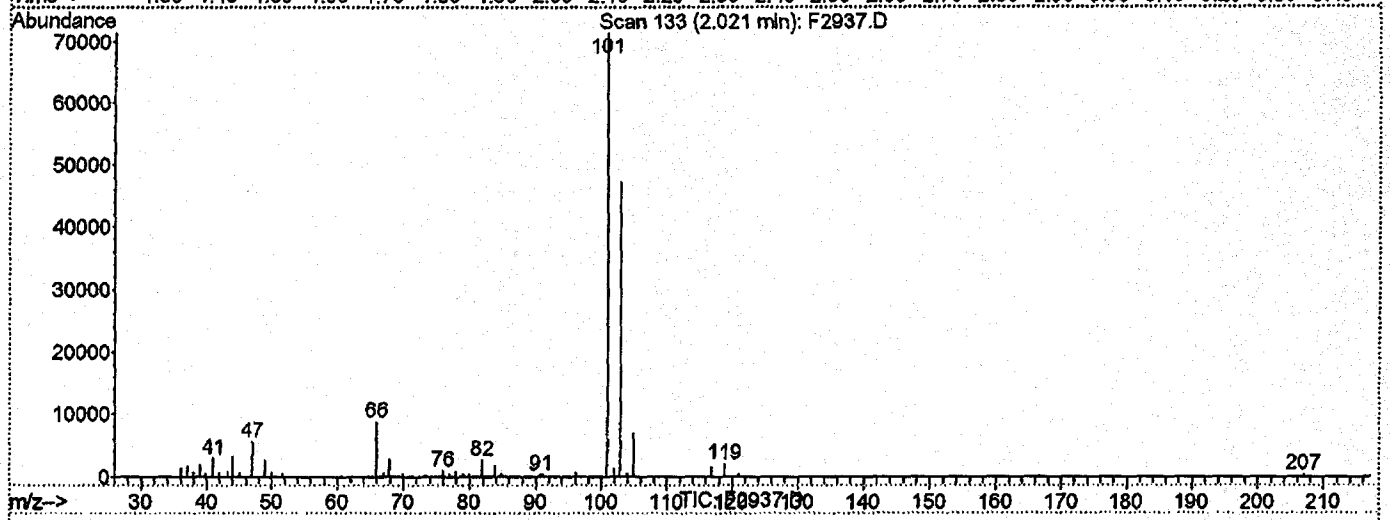
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\062508\F2937.D Vial: 44
Acq On : 25 Jun 2008 5:12 Operator: JLG
Sample : MSB/SSCAL Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:48 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:27:34 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

2.02min 132.27ng

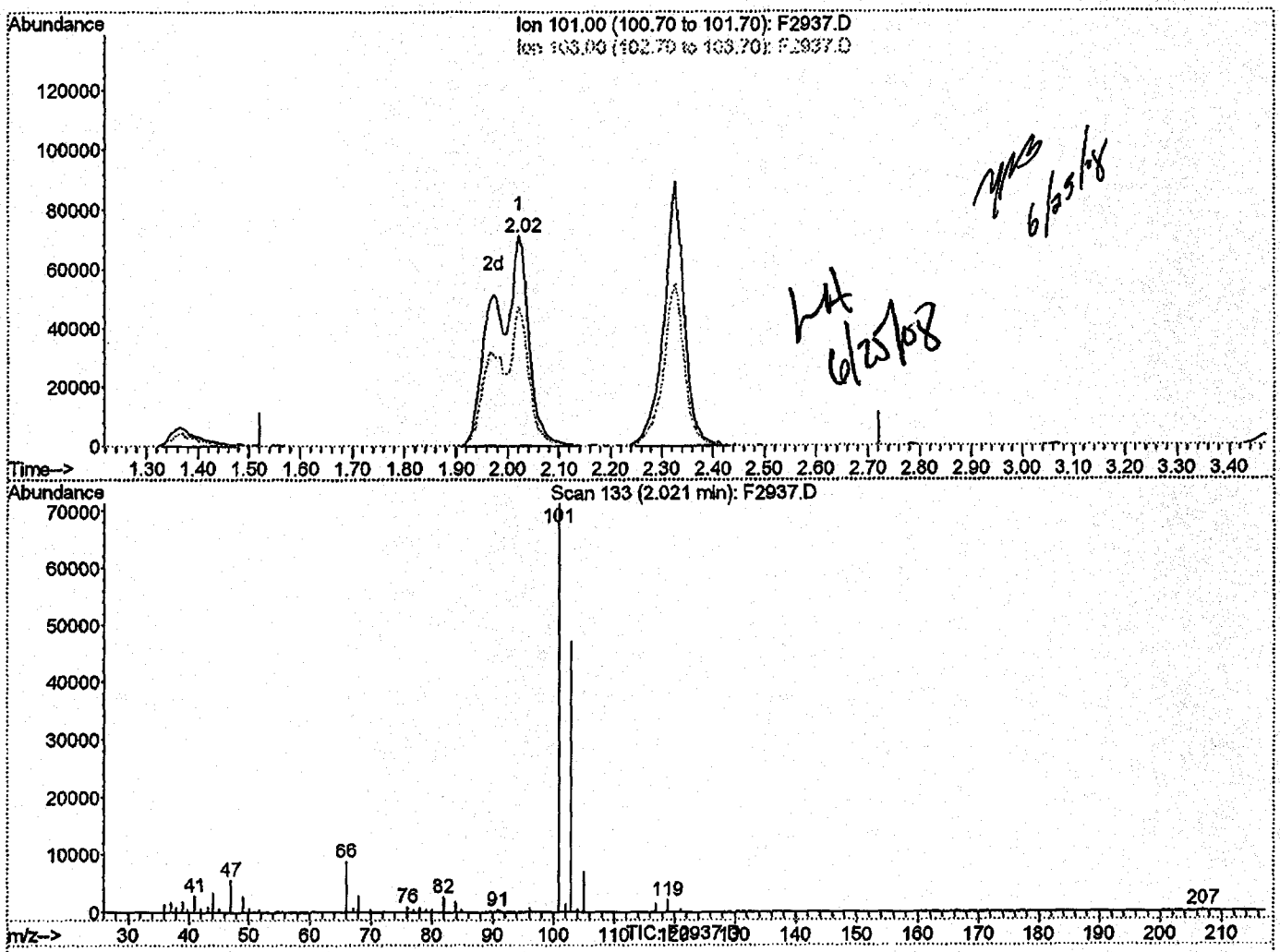
response 172913

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	66.25
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\062508\F2937.D Vial: 44
Acq On : 25 Jun 2008 5:12 Operator: JLG
Sample : MSB/SSCAL Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jun 25 8:49 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Jun 25 08:27:34 2008
Response via : Multiple Level Calibration



(7) C275 Trichlorofluoromethane (T)

2.02min 248.93ng m

response 325408

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	66.25
0.00	0.00	0.00
0.00	0.00	0.00

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001870-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: F3404.RR Calibration Date: 07/28/2008 Time: 10:18

Intrument ID: HP5973F Init. Calib. Date(s): 06/25/2008 06/25/2008

Heated Purge (Y/N): Y Init. Calib. Times: 02:39 04:21

GC Column: ZB-624 ID: 0.20(mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
Chloromethane	0.3300	0.2721	0.1000	17.500	100.00
Bromomethane	0.1210	0.1245		-2.900	100.00
Vinyl chloride	0.2630	0.2432		7.500	20.00
Chloroethane	0.1180	0.1157		1.900	100.00
Methylene chloride	0.3610	0.3000		16.900	100.00
Acetone	0.0750	0.0677		9.700	100.00
Carbon Disulfide	0.7390	0.5966		19.300	100.00
1,1-Dichloroethene	0.1730	0.1757	0.1000	-1.600	20.00
1,1-Dichloroethane	0.4870	0.4827	0.3000	0.900	100.00
cis-1,2-Dichloroethene	0.3010	0.3012		-0.100	100.00
trans-1,2-Dichloroethene	0.2760	0.2830		-2.500	100.00
Chloroform	0.4260	0.4366		-2.500	20.00
1,2-Dichloroethane	0.3430	0.3529		-2.900	100.00
2-Butanone	0.1480	0.1327		10.300	100.00
1,1,1-Trichloroethane	0.3370	0.3798		-12.700	100.00
Carbon Tetrachloride	0.2510	0.3004		-19.700	100.00
Bromodichloromethane	0.2960	0.3178		-7.400	100.00
1,2-Dichloropropane	0.2980	0.2767		7.100	20.00
cis-1,3-Dichloropropene	0.4140	0.4093		1.100	100.00
Trichloroethene	0.2580	0.2620		-1.600	100.00
Dibromochloromethane	0.4240	0.4965		-17.100	100.00
1,1,2-Trichloroethane	0.3990	0.3954		0.900	100.00
Benzene	1.0820	1.0576		2.200	100.00
trans-1,3-Dichloropropene	0.7380	0.7788		-5.500	100.00
Bromoform	0.2610	0.3269	0.1000	-25.200	100.00
4-Methyl-2-pentanone	0.6190	0.5840		5.600	100.00
2-Hexanone	0.4430	0.4158		6.100	100.00
Tetrachloroethene	0.5200	0.5968		-14.800	100.00
1,1,2,2-Tetrachloroethane	0.7020	0.6636	0.3000	5.500	100.00
Toluene	1.3930	1.4468		-3.900	20.00
Chlorobenzene	1.4390	1.5153	0.3000	-5.300	100.00
Ethylbenzene	2.4740	2.6847		-8.500	20.00
Styrene	1.5130	1.5687		-3.700	100.00
Total Xylenes	0.9320	0.9497		-1.900	100.00
1,1,2-Trichloro-1,2,2-trifluoro	0.1790	0.1657		7.400	100.00
1,2,4-Trichlorobenzene	0.9150	0.9243		-1.000	100.00
1,2-Dibromo-3-chloropropane	0.1150	0.1159		-0.800	100.00
1,2-Dibromoethane	0.4610	0.4681		-1.500	100.00
1,2-Dichlorobenzene	1.1870	1.1943		-0.600	100.00

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001870-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: F3404.RR Calibration Date: 07/28/2008 Time: 10:18

Intrument ID: HP5973F Init. Calib. Date(s): 06/25/2008 06/25/2008

Heated Purge (Y/N): Y Init. Calib. Times: 02:39 04:21

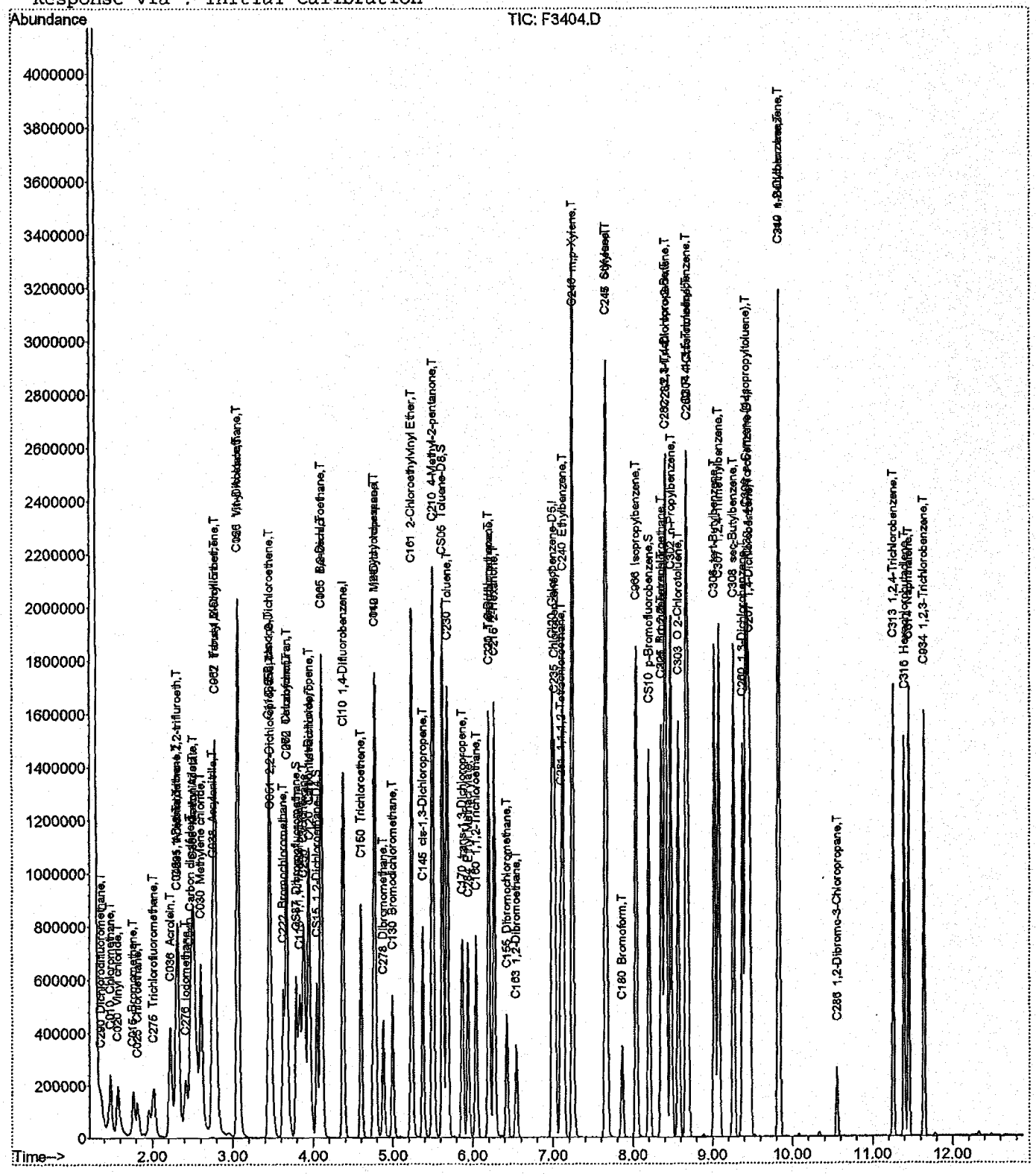
GC Column: ZB-624 ID: 0.20 (mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
1,3-Dichlorobenzene	1.2310	1.2691		-3.100	100.00
1,4-Dichlorobenzene	1.2520	1.2820		-2.400	100.00
Cyclohexane	0.5360	0.4761		11.200	100.00
Dichlorodifluoromethane	0.1770	0.2068		-16.800	100.00
Methyl acetate	0.3820	0.4344		-13.700	100.00
Trichlorofluoromethane	0.2490	0.2965		-19.100	100.00
Methyl-t-Butyl Ether (MTBE)	0.7940	0.7398		6.800	100.00
Isopropylbenzene	2.4950	2.6115		-4.700	100.00
Methylcyclohexane	0.4780	0.4414		7.600	100.00
Toluene-D8	2.5270	2.6997		-6.800	100.00
p-Bromofluorobenzene	0.7450	0.8147		-9.400	100.00
1,2-Dichloroethane-D4	0.3530	0.3605		-2.100	100.00

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\072808\F3404.D Vial: 1
Acq On : 28 Jul 2008 10:18 Operator: LH
Sample : VSTD050 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 28 11:30 2008 Quant Results File: A8I00000477.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Jul 28 08:35:01 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\072808\F3404.D Vial: 1
Acq On : 28 Jul 2008 10:18 Operator: LH
Sample : VSTD050 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 28 11:30:29 2008 Quant Results File: A8I00000477.RBS

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Jul 28 08:35:01 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\072508\F3374.D (25 Jul 2008 8:17)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	1168847	250.00	ng	0.00 104.85%
43) CI20	Chlorobenzene-D5	6.99	82	546347	250.00	ng	0.00 100.63%
63) CI30	1,4-Dichlorobenzene-	9.44	152	508700	250.00	ng	0.00 99.23%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.79	111	362616	261.37	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	104.55%	
32) CS15	1,2-Dichloroethane-D	4.05	65	421397	255.56	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	102.22%	
44) CS05	Toluene-D8	5.62	98	1474993	267.08	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	106.83%	
62) CS10	p-Bromofluorobenzene	8.20	174	445089	273.53	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	109.41%	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.36	85	241754	291.68	ng	97
3) C010	Chloromethane	1.48	50	318017	206.07	ng	96
4) C020	Vinyl chloride	1.57	62	284256	231.37	ng	98
5) C015	Bromomethane	1.76	94	145505	256.42	ng	92
6) C025	Chloroethane	1.81	64	135258	244.87	ng	98
7) C275	Trichlorofluorometha	2.02	101	346561m	298.25	ng	95
8) C291	1,1,2-Trichloro-1,2,	2.32	101	193713	231.21	ng	96
9) C045	1,1-Dichloroethene	2.30	96	205374	253.36	ng	81
10) C030	Methylene chloride	2.61	84	350684	238.40	ng	89
11) C040	Carbon disulfide	2.47	76	697344	201.84	ng	96
12) C036	Acrolein	2.22	56	559285	9214.00	ng	97
13) C038	Acrylonitrile	2.75	53	632257	1120.64	ng	99
14) C035	Acetone	2.31	43	395770	1123.32	ng	97
15) C300	Acetonitrile	2.50	41	1608232	8417.39	ng	100
16) C276	Iodomethane	2.42	142	363835	224.22	ng	96
17) C255	Methyl Acetate	2.52	43	507803	284.39	ng	94
18) C962	T-butyl Methyl Ether	2.78	73	864765	232.90	ng	90
19) C057	trans-1,2-Dichloroet	2.78	96	330776	256.42	ng	85
20) C050	1,1-Dichloroethane	3.06	63	564235	247.63	ng	96
21) C125	Vinyl Acetate	3.07	43	2636346	1049.37	ng	96
22) C051	2,2-Dichloropropane	3.48	77	431511	280.06	ng	93
23) C056	cis-1,2-Dichloroethe	3.46	96	352058	249.89	ng	95
24) C272	Tetrahydrofuran	3.66	42	507153	1063.76	ng	97
25) C222	Bromochloromethane	3.63	128	158189	248.89	ng	91
26) C060	Chloroform	3.68	83	510306	256.28	ng	99
28) C256	Cyclohexane	3.89	56	556514	222.03	ng	# 100
29) C115	1,1,1-Trichloroethan	3.83	97	443882	281.61	ng	97
30) C120	Carbon tetrachloride	3.96	117	351178	299.12	ng	90
31) C116	1,1-Dichloropropene	3.94	75	406293	260.05	ng	88

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\072808\F3404.D Vial: 1
Acq On : 28 Jul 2008 10:18 Operator: LH
Sample : VSTD050 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 28 11:30:29 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Jul 28 08:35:01 2008
Response via : Initial Calibration
DataAcq Meth : VOA

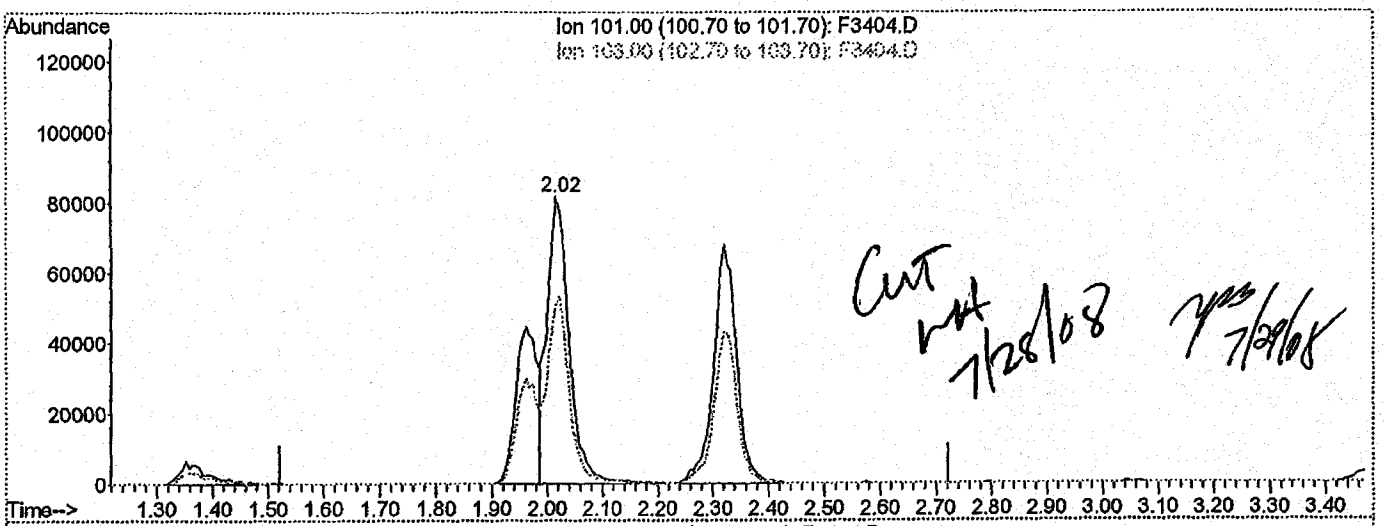
	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.10	78	1236133	244.31	ng		98
34)	C065	1,2-Dichloroethane	4.11	62	412543	257.54	ng		90
35)	C110	2-Butanone	3.45	43	775657	1119.24	ng		91
36)	C150	Trichloroethene	4.59	95	306251	254.22	ng		97
37)	C161	2-Chloroethylvinyl E	5.24	63	908827	1476.64	ng	#	77
38)	C012	Methylcyclohexane	4.77	83	515970	230.70	ng	#	77
39)	C140	1,2-Dichloropropane	4.78	63	323448	232.36	ng		100
40)	C278	Dibromomethane	4.88	93	176197	245.02	ng		99
41)	C130	Bromodichloromethane	5.00	83	371440	268.36	ng		100
42)	C145	cis-1,3-Dichloroprop	5.38	75	478364	247.44	ng		95
45)	C230	Toluene	5.68	92	790475	259.65	ng		93
46)	C170	trans-1,3-Dichloropr	5.87	75	425494	263.74	ng		97
47)	C284	Ethyl Methacrylate	5.95	69	385403	231.40	ng		90
48)	C160	1,1,2-Trichloroethan	6.04	83	216030	247.63	ng		96
49)	C210	4-Methyl-2-pentanone	5.50	43	1595208	1179.38	ng		94
50)	C220	Tetrachloroethene	6.19	166	326067	286.98	ng		93
51)	C221	1,3-Dichloropropane	6.21	76	445843	243.59	ng		95
52)	C155	Dibromochloromethane	6.43	129	271239	292.47	ng		85
53)	C163	1,2-Dibromoethane	6.54	107	255733	253.59	ng		87
54)	C215	2-Hexanone	6.27	43	1135990	1173.86	ng		90
55)	C235	Chlorobenzene	7.02	112	827891	263.30	ng		97
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	273880	282.17	ng		93
57)	C240	Ethylbenzene	7.13	91	1466780	271.29	ng		100
58)	C246	m,p-Xylene	7.25	106	1063480	522.49	ng		92
59)	C247	o-Xylene	7.65	106	518870	254.70	ng	#	78
60)	C245	Styrene	7.67	104	857029	259.15	ng		98
61)	C180	Bromoform	7.86	173	178597	284.10	ng		88
64)	C966	Isopropylbenzene	8.04	105	1328495	261.70	ng		92
65)	C301	Bromobenzene	8.37	156	333917	259.30	ng		97
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	337554	236.17	ng		93
67)	C282	1,2,3-Trichloropropa	8.40	110	95816	240.01	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	549763	1303.13	ng		87
69)	C302	n-Propylbenzene	8.48	91	1719204	261.85	ng		97
70)	C303	O 2-Chlorotoluene	8.57	126	337533	257.78	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	340047	254.56	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	1127298	262.81	ng		82
73)	C306	tert-Butylbenzene	9.02	134	254054	265.70	ng		96
74)	C307	1,2,4-Trimethylbenze	9.08	105	1138176	256.28	ng		94
75)	C308	sec-Butylbenzene	9.26	105	1388933	259.99	ng		93
76)	C260	1,3-Dichlorobenzene	9.38	146	645579	257.73	ng		96
77)	C309	p-Cymene (4-Isopropy	9.42	119	1263544	267.05	ng		97
78)	C267	1,4-Dichlorobenzene	9.47	146	652144	256.05	ng		96
79)	C249	1,2-Dichlorobenzene	9.84	146	607555	251.46	ng		96
80)	C310	n-Butylbenzene	9.83	91	1217867	262.25	ng		99
81)	C286	1,2-Dibromo-3-Chloro	10.56	75	58962	251.01	ng		95
82)	C313	1,2,4-Trichlorobenze	11.26	180	470167	252.43	ng		99
83)	C316	Hexachlorobutadiene	11.40	225	250056	274.92	ng		98
84)	C314	Naphthalene	11.45	128	1111439	237.21	ng		96
85)	C934	1,2,3-Trichlorobenze	11.64	180	448317	253.94	ng		95

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\072808\F3404.D Vial: 1
Acq On : 28 Jul 2008 10:18 Operator: LH
Sample : VSTD050 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 28 11:30 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Jul 28 08:35:01 2008
Response via : Multiple Level Calibration



Cert rvt 1/28/08 7/29/08

(7) C275 Trichlorofluoromethane (T)

2.02min 195.13ng

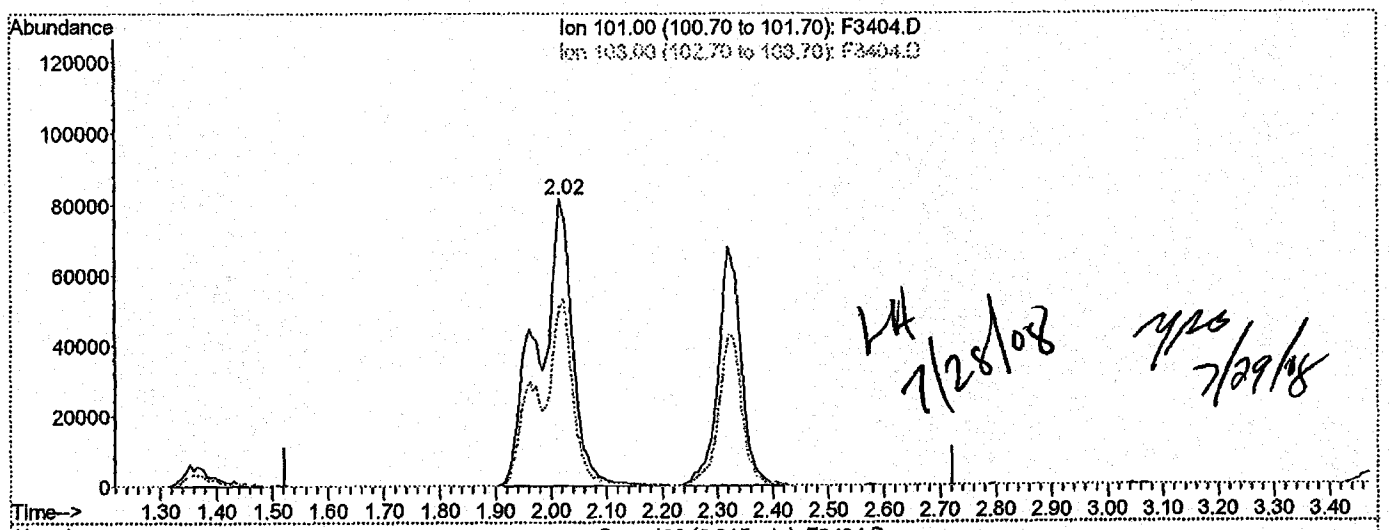
response 226739

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	62.54
0.00	0.00	0.00
0.00	0.00	0.00

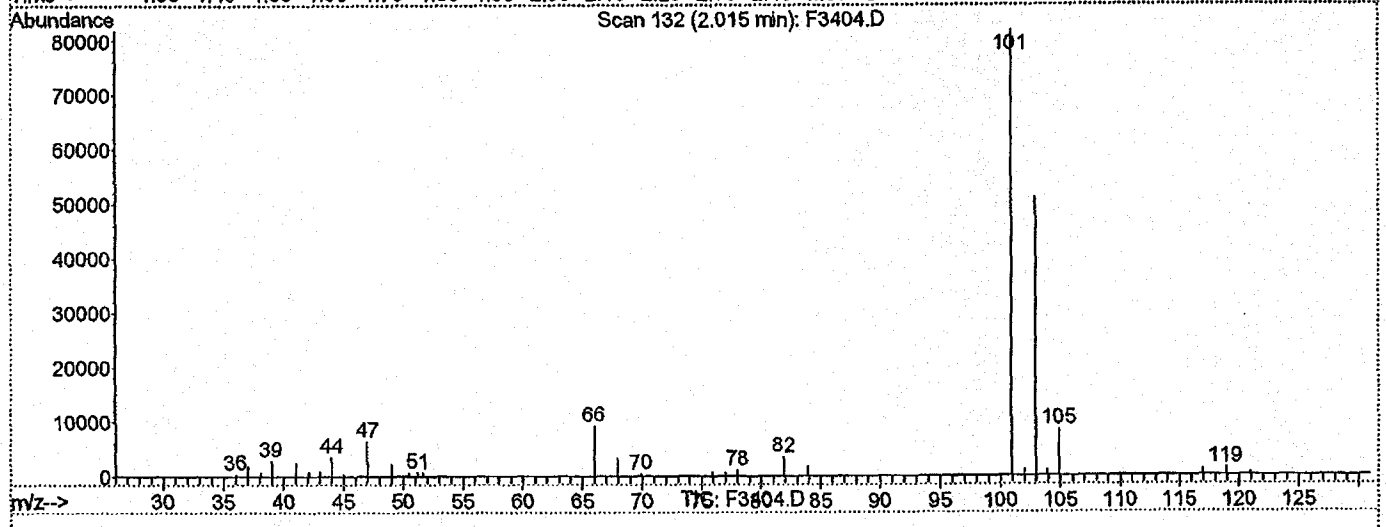
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\072808\F3404.D Vial: 1
Acq On : 28 Jul 2008 10:18 Operator: LH
Sample : VSTD050 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 28 11:30 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Jul 28 08:35:01 2008
Response via : Multiple Level Calibration



LH 7/28/08 YPS 7/29/08



(7) C275 Trichlorofluoromethane (T)

2.02min 298.25ng m

response 346561

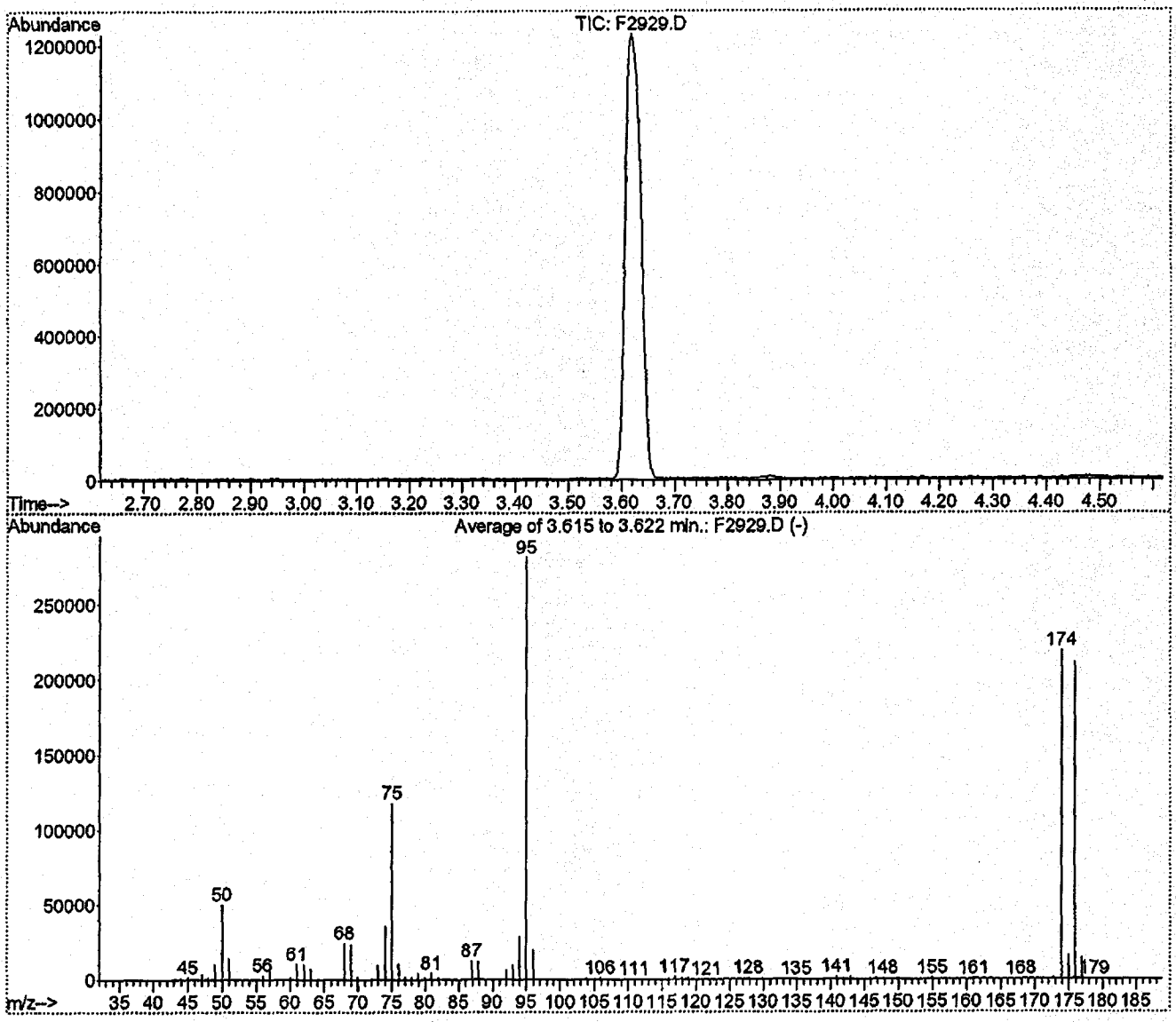
Ion	Exp%	Act%
101.00	100	100
103.00	58.90	62.54
0.00	0.00	0.00
0.00	0.00	0.00

Raw QC Data

BFB Tune Evaluation

Data File : H:\GCMS_VOA\F\062508\F2929.D
Acq On : 25 Jun 2008 00:20
Sample : 0625BFBF1
Misc :
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON

Vial: 1
Operator: JLG
Inst : HP5973F
Multiplr: 1.00



Peak Apex is scan: 484 (3.62 min)
Average of 3 scans: 483,484,485 minus background scan 464 (3.55 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	17.8	50205	PASS
75	95	30	60	41.8	117829	PASS
95	95	100	100	100.0	281962	PASS
96	95	5	9	6.8	19201	PASS
173	174	0	2	0.5	1147	PASS
174	95	50	100	77.8	219306	PASS
175	174	5	9	7.2	15806	PASS
176	174	95	101	96.3	211178	PASS
177	176	5	9	6.5	13750	PASS

F2929.D A8I00000477.M Wed Jun 25 08:33:44 2008 HP5973P

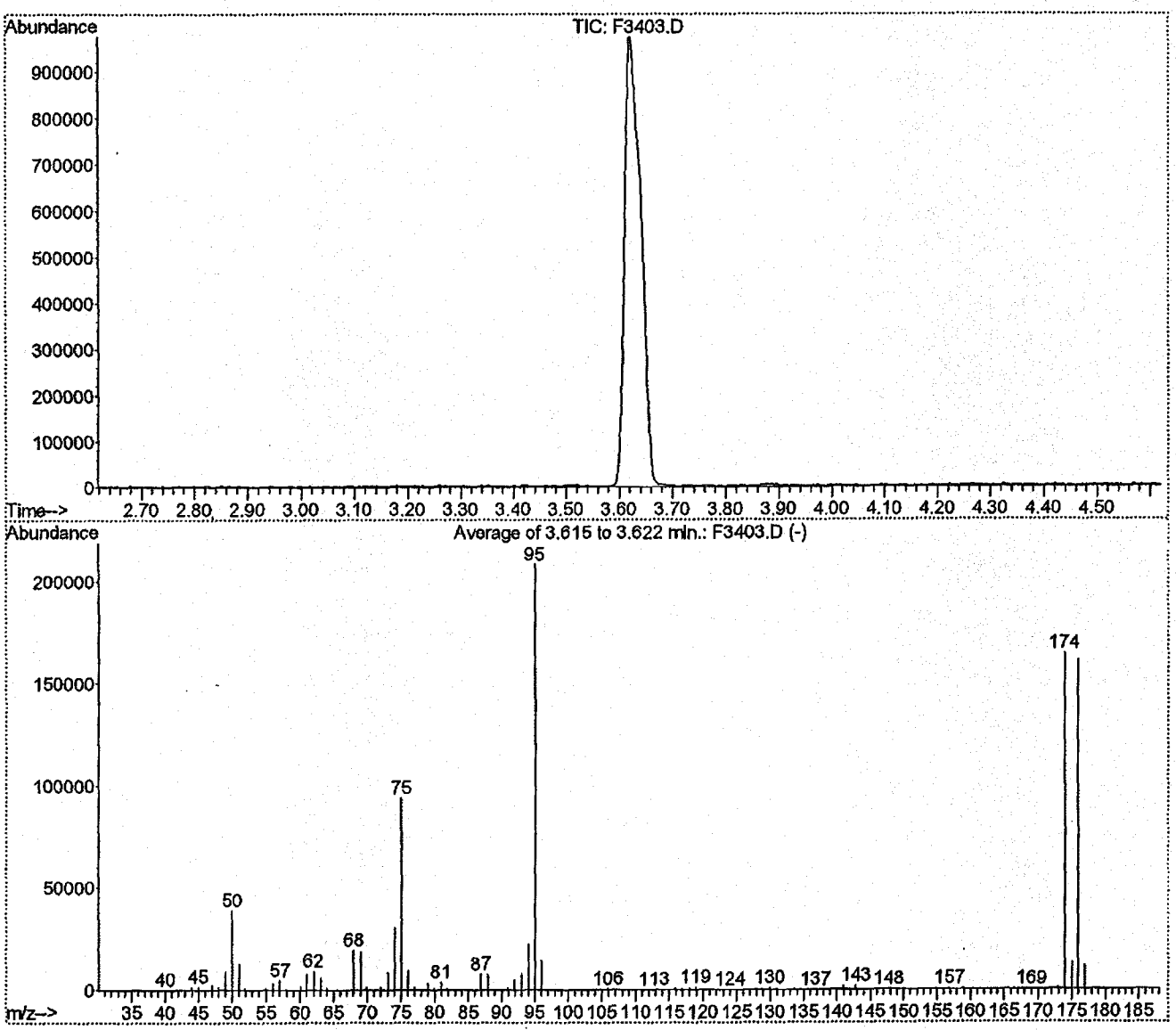
Average of 3.615 to 3.622 min.: F2929.D
0625BFBF1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
47.00	3759	69.00	22813	91.95	6160	176.95	13750
49.00	10189	69.95	1952	93.00	9492		
50.00	50205	73.00	9270	94.00	28600		
51.00	14188	74.00	35394	95.00	281962		
56.00	2660	75.00	117829	96.00	19201		
57.00	6178	76.05	10278	116.85	1704		
59.95	1644	77.95	1420	140.90	1847		
60.95	10308	78.90	4079	142.95	1823		
62.00	9962	80.90	4026	173.90	219306		
63.00	7512	86.95	12430	174.95	15806		
68.00	24240	87.95	11933	175.90	211178		

BFB Tune Evaluation 4Y

Data File : H:\GCMS_VOA\F\072808\F3403.D
Acq On : 28 Jul 2008 9:51
Sample : 0728BFBF1
Misc :
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON

Vial: 1
Operator: LH
Inst : HP5973F
Multiplr: 1.00



Peak Apex is scan: 484 (3.62 min)
Average of 3 scans: 483,484,485 minus background scan 464 (3.55 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	18.6	38688	PASS
75	95	30	60	45.0	93845	PASS
95	95	100	100	100.0	208469	PASS
96	95	5	9	6.9	14289	PASS
173	174	0	2	0.4	713	PASS
174	95	50	100	78.7	164010	PASS
175	174	5	9	7.9	13029	PASS
176	174	95	101	98.1	160938	PASS
177	176	5	9	7.2	11619	PASS

F3403.D A8I00000477.M Mon Jul 28 11:30:23 2008 HP5973P

Average of 3.615 to 3.622 min.: F3403.D
0728BFBF1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
43.95	1383	62.00	9121	78.95	3194	142.85	1848
45.00	1568	63.05	5786	80.90	3675	173.90	164010
46.95	2574	68.00	19296	86.90	7641	174.95	13029
47.95	1457	69.00	18645	87.95	7423	175.90	160938
49.00	8778	69.95	1256	91.95	4857	176.90	11619
50.00	38688	71.95	1179	92.95	7840		
51.00	12480	73.00	8510	94.00	21989		
56.00	3230	74.00	30205	95.00	208469		
57.00	4616	75.00	93845	96.00	14289		
60.05	1619	76.00	9366	118.95	1101		
61.00	7798	77.00	1486	140.95	1745		

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: VBLK65

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B1966002

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3407.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK65

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B1966002

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3407.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

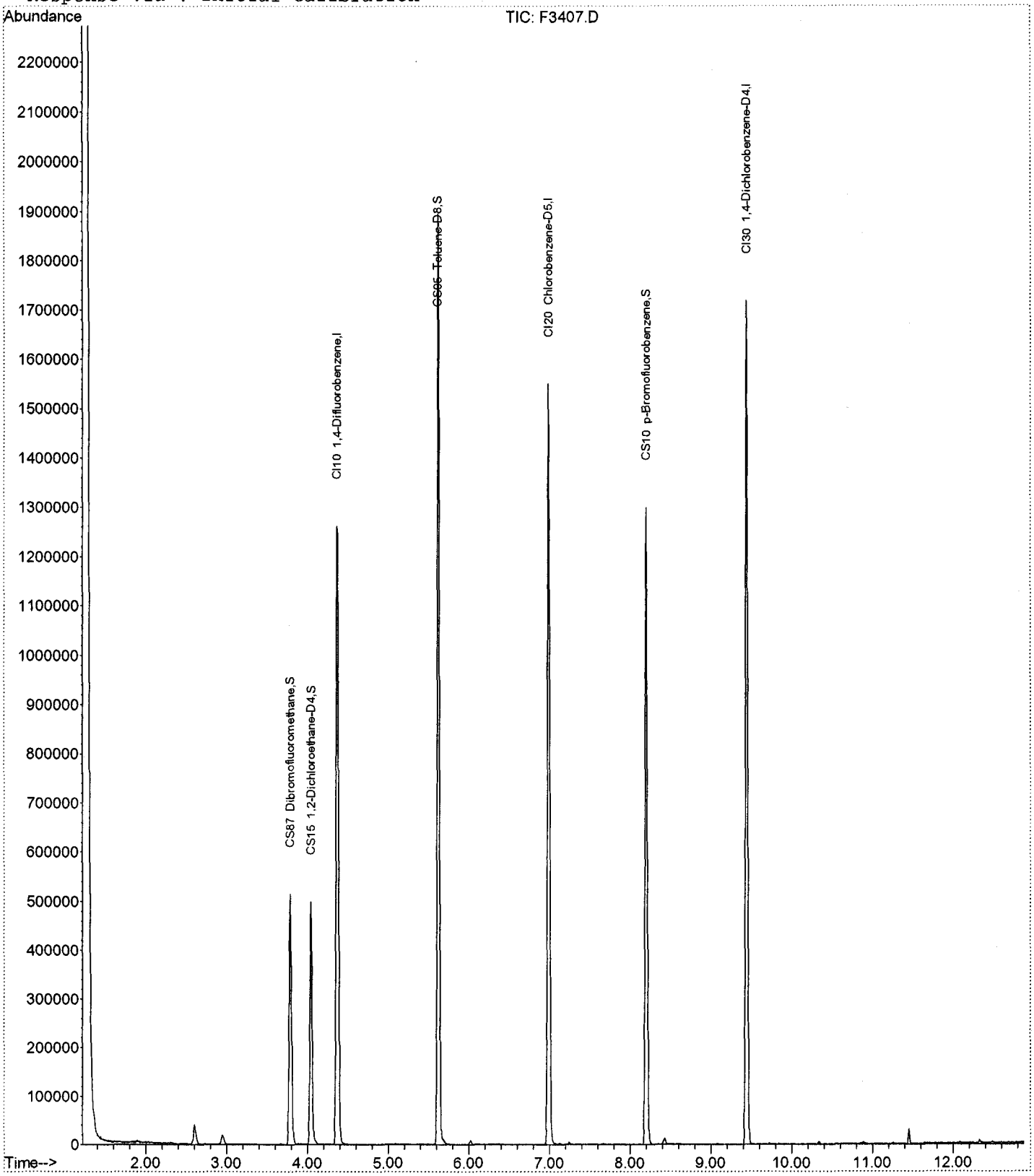
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	15	U

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\TEMP\F3407.D Vial: 4
Acq On : 28 Jul 2008 11:38 Operator: LH
Sample : VBLK65 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 29 11:29 2008 Quant Results File: A8I00000477.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 16:20:59 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3407.D Vial: 4
Acq On : 28 Jul 2008 11:38 Operator: LH
Sample : VBLK65 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 29 11:29:45 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jul 29 09:23:20 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\072808\F3404.D (28 Jul 2008 10:18)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	1063075	250.00	ng	0.00
							90.95%
43) CI20	Chlorobenzene-D5	6.99	82	500376	250.00	ng	0.00
							91.59%
63) CI30	1,4-Dichlorobenzene-	9.44	152	463213	250.00	ng	0.00
							91.06%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.79	111	323254	256.18	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery =	102.47%		
32) CS15	1,2-Dichloroethane-D	4.05	65	347077	231.43	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery =	92.57%		
44) CS05	Toluene-D8	5.62	98	1361486	269.17	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery =	107.67%		
62) CS10	p-Bromofluorobenzene	8.20	174	405391	272.02	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery =	108.81%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	1.51	50	293	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	21930	Below Cal		83
11) C040	Carbon disulfide	2.47	76	3251	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.33	43	2136	N.D.		
15) C300	Acetonitrile	2.50	41	418	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	3.67	83	841	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

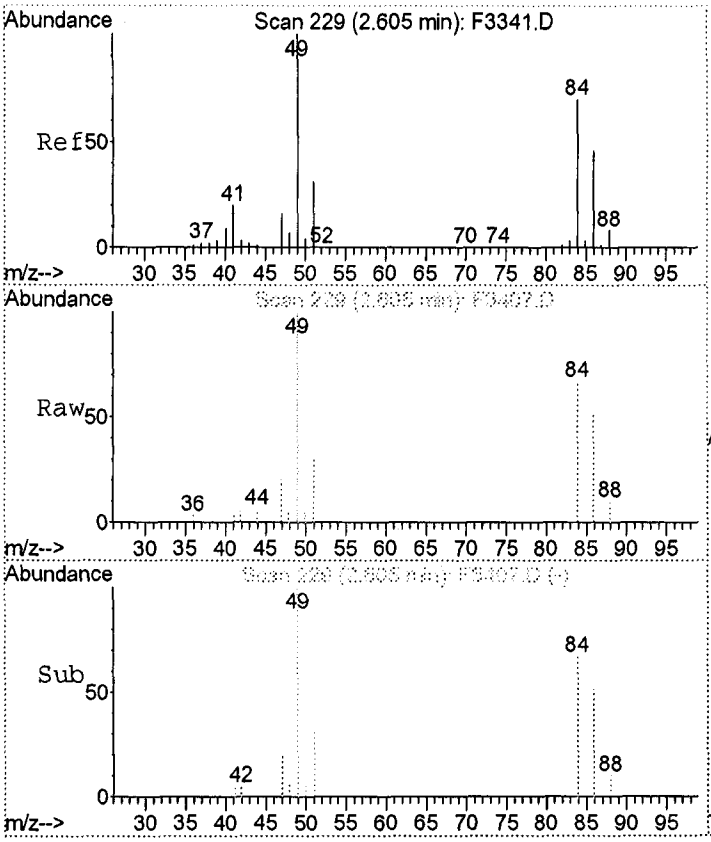
Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3407.D Vial: 4
Acq On : 28 Jul 2008 11:38 Operator: LH
Sample : VBLK65 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 29 11:29:45 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Jul 29 09:23:20 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	4.10	78	2755	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	3.46	43	341	N.D.	
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.68	92	3156	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.52	43	525	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	6.27	43	388	N.D.	
55)	C235	Chlorobenzene	7.02	112	173	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.13	91	1978	N.D.	
58)	C246	m,p-Xylene	7.25	106	1508	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	7.67	104	790	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	8.37	156	148	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	8.42	53	489	N.D.	
69)	C302	n-Propylbenzene	8.48	91	380	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.67	105	156	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	2007	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	2007	N.D.	
76)	C260	1,3-Dichlorobenzene	9.38	146	347	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.47	146	3915	N.D.	
79)	C249	1,2-Dichlorobenzene	9.84	146	344	N.D.	
80)	C310	n-Butylbenzene	9.83	91	661	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	11.26	180	757	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	20852	N.D.	
85)	C934	1,2,3-Trichlorobenze	11.64	180	1122	N.D.	

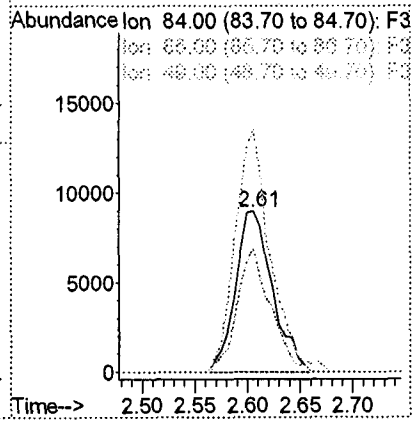
(#) = qualifier out of range (m) = manual integration



#10
C030 Methylene chloride
Concen: Below Cal
RT: 2.61 min Scan# 229
Delta R.T. -0.00 min
Lab File: F3407.D
Acq: 28 Jul 2008 11:38

Tgt Ion: 84 Resp: 21930

Ion	Ratio	Lower	Upper
84	100		
86	76.7	40.0	100.0
49	150.3	95.0	155.0



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MSB65

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B1966001

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3405.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. 0 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	200	
71-43-2	Benzene	49	
75-27-4	Bromodichloromethane	54	
75-25-2	Bromoform	56	
74-83-9	Bromomethane	50	
78-93-3	2-Butanone	210	
75-15-0	Carbon Disulfide	44	
56-23-5	Carbon Tetrachloride	60	
108-90-7	Chlorobenzene	52	
75-00-3	Chloroethane	43	
67-66-3	Chloroform	53	
74-87-3	Chloromethane	35	
110-82-7	Cyclohexane	44	
106-93-4	1,2-Dibromoethane	50	
124-48-1	Dibromochloromethane	58	
96-12-8	1,2-Dibromo-3-chloropropane	48	
95-50-1	1,2-Dichlorobenzene	49	
541-73-1	1,3-Dichlorobenzene	51	
106-46-7	1,4-Dichlorobenzene	51	
75-71-8	Dichlorodifluoromethane	47	
75-34-3	1,1-Dichloroethane	49	
107-06-2	1,2-Dichloroethane	51	
75-35-4	1,1-Dichloroethene	54	
156-59-2	cis-1,2-Dichloroethene	50	
156-60-5	trans-1,2-Dichloroethene	52	
78-87-5	1,2-Dichloropropane	46	
10061-01-5	cis-1,3-Dichloropropene	50	
10061-02-6	trans-1,3-Dichloropropene	52	
100-41-4	Ethylbenzene	53	
591-78-6	2-Hexanone	220	
98-82-8	Isopropylbenzene	48	
79-20-9	Methyl acetate	34	
108-87-2	Methylcyclohexane	45	
75-09-2	Methylene chloride	48	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: MSB65

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B1966001

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3405.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. 0 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	220	
1634-04-4	Methyl-t-Butyl Ether (MTBE)	47	
100-42-5	Styrene	52	
79-34-5	1,1,2,2-Tetrachloroethane	48	
127-18-4	Tetrachloroethene	57	
108-88-3	Toluene	51	
120-82-1	1,2,4-Trichlorobenzene	51	
71-55-6	1,1,1-Trichloroethane	57	
79-00-5	1,1,2-Trichloroethane	49	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	48	
75-69-4	Trichlorofluoromethane	52	
79-01-6	Trichloroethene	54	
75-01-4	Vinyl chloride	42	
1330-20-7	Total Xylenes	150	

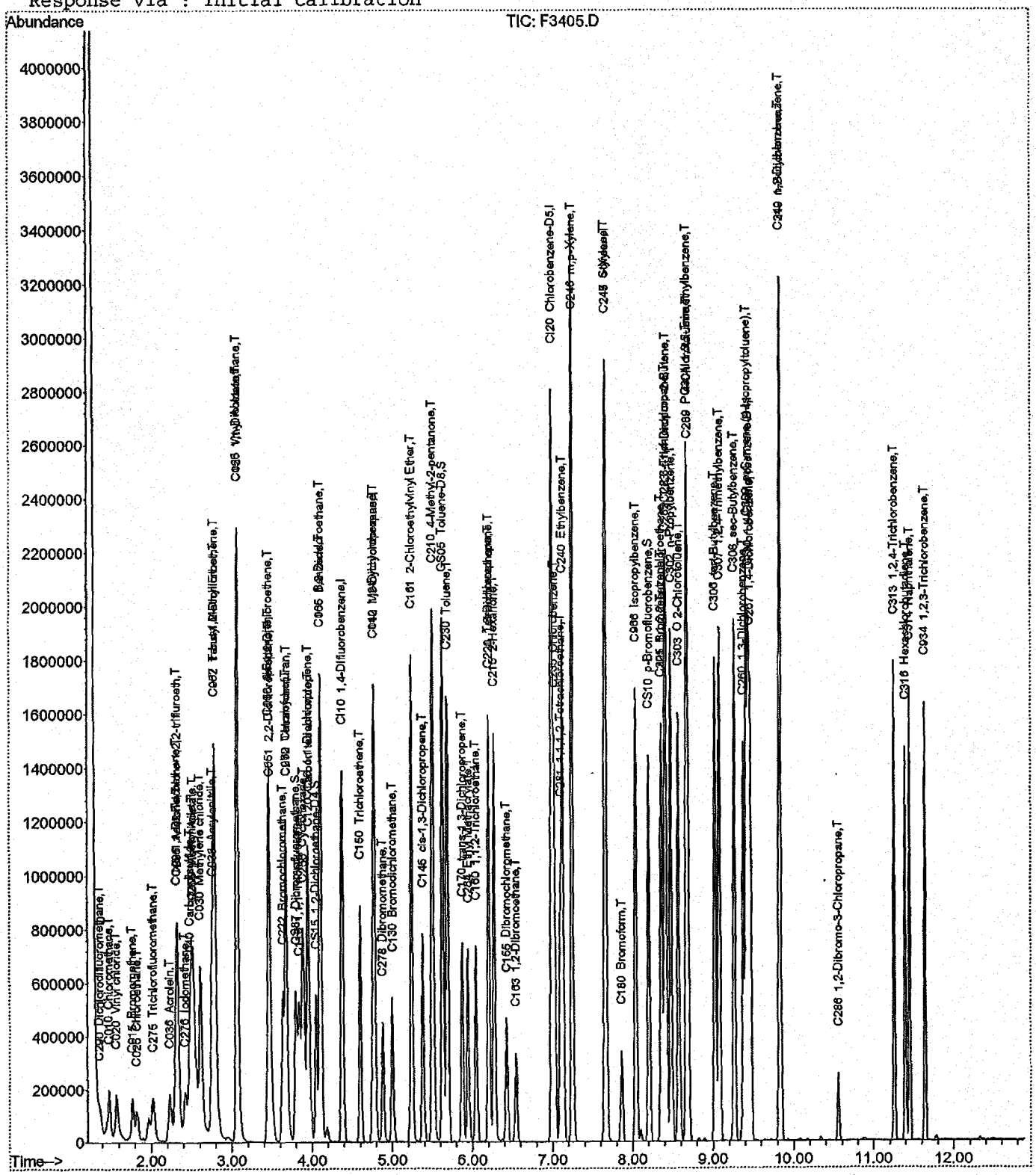
Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\072808\F3405.D
Acq On : 28 Jul 2008 10:47
Sample : MSB(FULL)
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 28 11:31 2008

Vial: 2
Operator: LH
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000477.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Jul 28 11:31:09 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\072808\F3405.D Vial: 2
Acq On : 28 Jul 2008 10:47 Operator: LH
Sample : MSB(FULL) Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 28 11:31:18 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Jul 28 11:31:09 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\072808\F3404.D (28 Jul 2008 10:18)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	1157841	250.00	ng	0.00 99.06%
43) CI20	Chlorobenzene-D5	6.99	82	548036	250.00	ng	0.00 100.31%
63) CI30	1,4-Dichlorobenzene-	9.44	152	511676	250.00	ng	0.00 100.59%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.79	111	351838	256.01	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	102.40%	
32) CS15	1,2-Dichloroethane-D	4.05	65	403689	247.14	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	98.86%	
44) CS05	Toluene-D8	5.63	98	1454535	262.56	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	105.02%	
62) CS10	p-Bromofluorobenzene	8.20	174	449784	275.57	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	110.23%	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.37	85	191386	233.11	ng	100
3) C010	Chloromethane	1.48	50	265500	173.68	ng	99
4) C020	Vinyl chloride	1.57	62	253608	208.38	ng	98
5) C015	Bromomethane	1.77	94	140115	249.27	ng	90
6) C025	Chloroethane	1.82	64	118927	217.35	ng	100
7) C275	Trichlorofluorometha	2.02	101	297814m	258.73	ng	90
8) C291	1,1,2-Trichloro-1,2,	2.33	101	199166	239.98	ng	95
9) C045	1,1-Dichloroethene	2.31	96	218835	272.54	ng	85
10) C030	Methylene chloride	2.61	84	351393	241.50	ng	92
11) C040	Carbon disulfide	2.47	76	758018	221.49	ng	98
12) C036	Acrolein	2.23	56	244017	4058.30	ng	98
13) C038	Acrylonitrile	2.75	53	606564	1085.32	ng	99
14) C035	Acetone	2.32	43	358783	1028.02	ng	95
15) C300	Acetonitrile	2.50	41	1507522	7965.28	ng	100
16) C276	Iodomethane	2.42	142	305116	189.82	ng	96
17) C255	Methyl Acetate	2.52	43	304442	172.12	ng	93
18) C962	T-butyl Methyl Ether	2.79	73	869795	236.48	ng	89
19) C057	trans-1,2-Dichloroet	2.79	96	332066	259.87	ng	87
20) C050	1,1-Dichloroethane	3.06	63	557972	247.20	ng	99
21) C125	Vinyl Acetate	3.07	43	3019009	1213.11	ng	96
22) C051	2,2-Dichloropropane	3.48	77	433796	284.22	ng	94
23) C056	cis-1,2-Dichloroethe	3.46	96	348056	249.40	ng	92
24) C272	Tetrahydrofuran	3.67	42	490360	1038.31	ng	99
25) C222	Bromochloromethane	3.63	128	156733	248.95	ng	84
26) C060	Chloroform	3.68	83	522710	265.00	ng	98
28) C256	Cyclohexane	3.89	56	543003	218.69	ng	# 100
29) C115	1,1,1-Trichloroethan	3.83	97	448032	286.94	ng	97
30) C120	Carbon tetrachloride	3.96	117	351870	302.56	ng	98
31) C116	1,1-Dichloropropene	3.94	75	400517	258.79	ng	89

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\072808\F3405.D Vial: 2
Acq On : 28 Jul 2008 10:47 Operator: LH
Sample : MSB(FULL) Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 28 11:31:18 2008 Quant Results File: A8I00000477.RES

Quant Method : C:\MSDCHEM\2...\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Jul 28 11:31:09 2008
Response via : Initial Calibration
DataAcq Meth : VOA

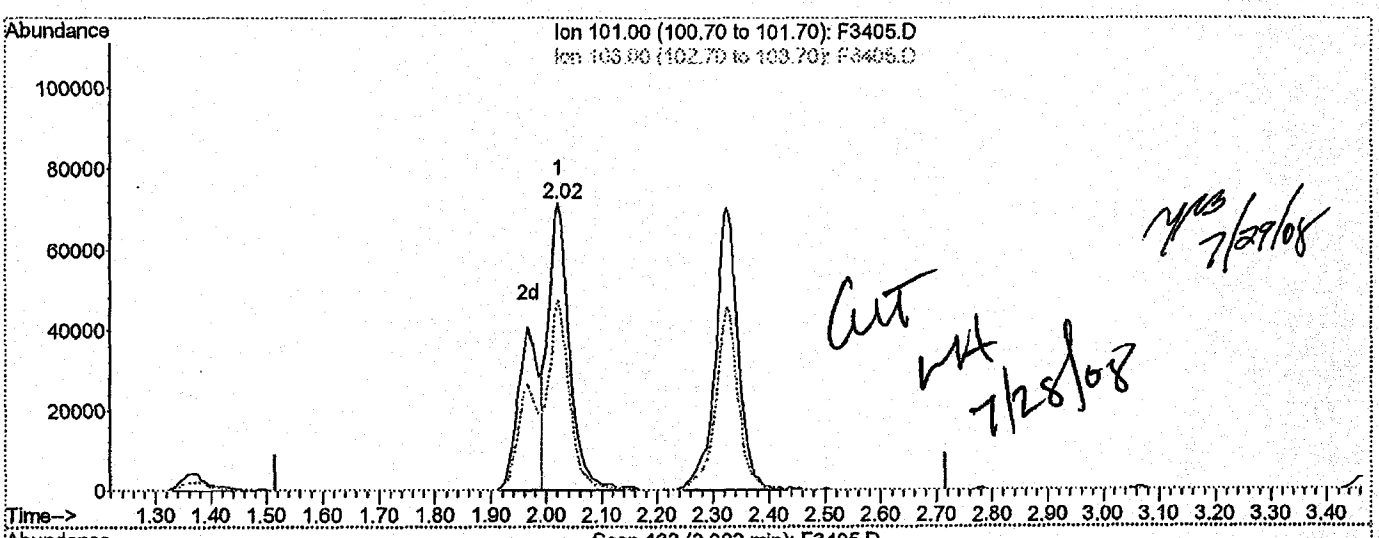
	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.10	78	1225126	244.44	ng		97
34)	C065	1,2-Dichloroethane	4.11	62	404256	254.77	ng		88
35)	C110	2-Butanone	3.45	43	725099	1056.23	ng		92
36)	C150	Trichloroethene	4.60	95	320646	268.70	ng		97
37)	C161	2-Chloroethylvinyl E	5.24	63	844696	1385.49	ng	#	77
38)	C012	Methylcyclohexane	4.77	83	502644	226.88	ng		84
39)	C140	1,2-Dichloropropane	4.78	63	321228	232.96	ng		100
40)	C278	Dibromomethane	4.88	93	176090	247.20	ng		95
41)	C130	Bromodichloromethane	5.00	83	371287	270.80	ng		98
42)	C145	cis-1,3-Dichloroprop	5.38	75	481643	251.50	ng		97
45)	C230	Toluene	5.68	92	783339	256.51	ng		94
46)	C170	trans-1,3-Dichloropr	5.87	75	422305	260.96	ng		99
47)	C284	Ethyl Methacrylate	5.95	69	384736	230.28	ng		88
48)	C160	1,1,2-Trichloroethan	6.04	83	214086	244.65	ng		97
49)	C210	4-Methyl-2-pentanone	5.50	43	1503658	1108.27	ng		91
50)	C220	Tetrachloroethene	6.20	166	326312	286.31	ng		96
51)	C221	1,3-Dichloropropane	6.21	76	438864	239.04	ng		96
52)	C155	Dibromochloromethane	6.43	129	267727	287.80	ng		84
53)	C163	1,2-Dibromoethane	6.54	107	255424	252.50	ng		90
54)	C215	2-Hexanone	6.27	43	1084284	1116.98	ng		89
55)	C235	Chlorobenzene	7.02	112	818512	259.51	ng		97
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	270939	278.28	ng		96
57)	C240	Ethylbenzene	7.13	91	1444694	266.39	ng		98
58)	C246	m,p-Xylene	7.25	106	1063136	520.71	ng		94
59)	C247	o-Xylene	7.65	106	517493	253.24	ng	#	79
60)	C245	Styrene	7.67	104	869061	261.98	ng		99
61)	C180	Bromoform	7.86	173	177217	281.27	ng		85
64)	C966	Isopropylbenzene	8.04	105	1214529	237.86	ng		92
65)	C301	Bromobenzene	8.37	156	330249	254.96	ng		95
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	343013	238.59	ng		95
67)	C282	1,2,3-Trichloropropa	8.40	110	86134	214.51	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	450762	1062.25	ng		81
69)	C302	n-Propylbenzene	8.48	91	1684437	255.06	ng		97
70)	C303	O 2-Chlorotoluene	8.57	126	338632	257.12	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	338282	251.77	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	1119838	259.55	ng		83
73)	C306	tert-Butylbenzene	9.02	134	251107	261.09	ng		91
74)	C307	1,2,4-Trimethylbenze	9.08	105	1143366	255.95	ng		92
75)	C308	sec-Butylbenzene	9.27	105	1471457	273.84	ng		94
76)	C260	1,3-Dichlorobenzene	9.38	146	647397	256.95	ng		97
77)	C309	p-Cymene (4-Isopropy	9.42	119	1213041	254.89	ng		96
78)	C267	1,4-Dichlorobenzene	9.47	146	658084	256.88	ng		97
79)	C249	1,2-Dichlorobenzene	9.84	146	597277	245.77	ng		98
80)	C310	n-Butylbenzene	9.83	91	1207273	258.46	ng		99
81)	C286	1,2-Dibromo-3-Chloro	10.56	75	56718	240.05	ng		96
82)	C313	1,2,4-Trichlorobenze	11.26	180	478381	255.35	ng		100
83)	C316	Hexachlorobutadiene	11.40	225	248578	271.71	ng		98
84)	C314	Naphthalene	11.45	128	1111405	235.82	ng		97
85)	C934	1,2,3-Trichlorobenze	11.64	180	445521	250.89	ng		99

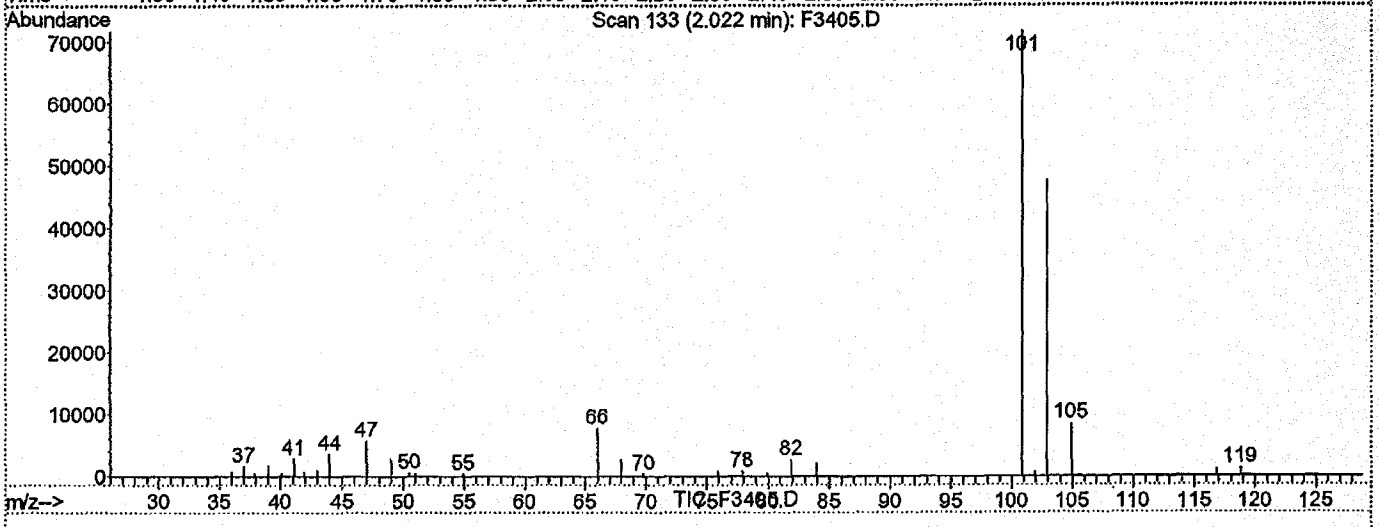
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\072808\F3405.D Vial: 2
Acq On : 28 Jul 2008 10:47 Operator: LH
Sample : MSB(FULL) Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 28 11:31 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Jul 28 11:31:09 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

2.02min 166.03ng

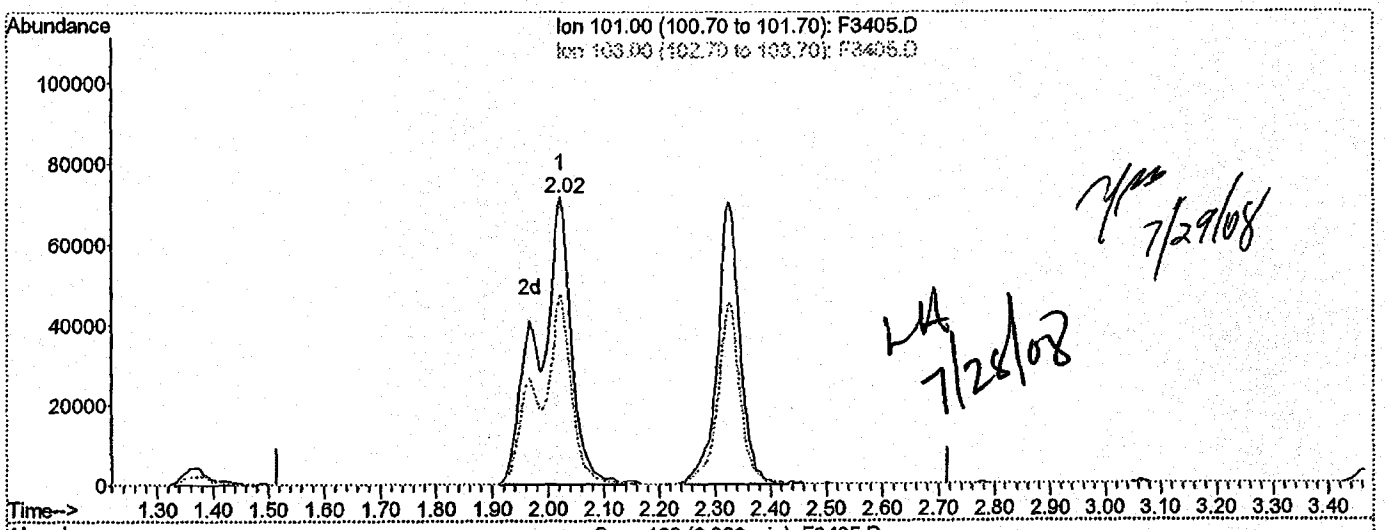
response 191113

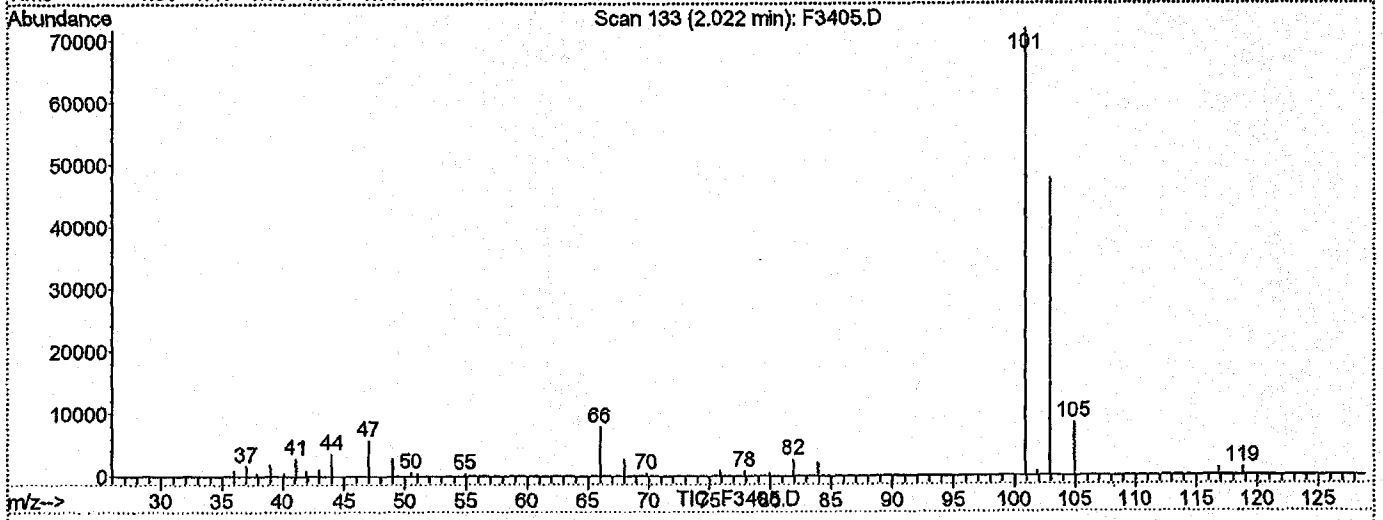
Ion	Exp%	Act%
101.00	100	100
103.00	58.90	66.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\072808\F3405.D Vial: 2
Acq On : 28 Jul 2008 10:47 Operator: LH
Sample : MSB(FULL) Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 28 11:31 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000477.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Jul 28 11:31:09 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

2.02min 258.73ng m

response 297814

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	66.48
0.00	0.00	0.00
0.00	0.00	0.00

Job Number	Sample I.D.	Vial Number	Analysis Date	Analyst	Product Test Abreviation	Dish Weight (g)	Wet + Dish	Dry + Dish	Wet Weight	Dry Weight	% Dry	Decanted
A08-8911	A8891101		07/25/2008	SW	TCL VOAS	1.30	13.38	11.90	12.08	10.60	87.75	N
A08-8911	A8891102		07/25/2008	SW	TCL VOAS	1.28	11.60	9.77	10.32	8.49	82.27	N
A08-8911	A8891103		07/25/2008	SW	TCL VOAS	1.30	11.06	10.03	9.76	8.73	89.45	N
A08-8911	A8891104		07/25/2008	SW	TCL VOAS	1.28	8.98	8.32	7.70	7.04	91.43	N

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
06/24/08	2135	JH	FZ923	0624BFBFZ	BC	1mL	—	—
	2203		FZ924	A00050		5mL	5.00g	
	2228		FZ925	VST0050 (NC)				
	2253		FZ926	VST0050 (NC)				
	2318		FZ927	VST0050 (NC)				
	2344		FZ928	3BLK				
06/25/08	0020	JH	FZ929	0625BFBF1	BC	1mL	—	—
	—		FZ930	VSTD005		5mL	5.00g	
	0029		FZ931	VSTD005				
	0305		FZ932	VSTD020				
	0330		FZ933	VSTD050				
	0356		FZ934	VSTD100				
	0421		FZ935	VSTD200				
	0447		FZ936	3BLK				
	0512		FZ937	MSB/SS (SW)				

REVIEWED BY_____ PAGE_____

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

STD #	IS/SS MIX #	Return	pH <2	Comments
WS1 AT-2				PASS
WS4 AH-3, WS5 AS-5	IS/10 FL/WS			8260 SOP (AOD (ABT., 0325)
WS6 AH-13, WS12 AA-13, WS13 AZ-3				NC
WS19 AS-3 WS19 AT-10				NC
WS6 AH-13, WS17 AH-13, WS13 AZ-3				NC
—				
WS1 AP-2				PASS
WS6 AH-13, WS12 AH-13, WS13 AZ-3	IS/16 FL/WS			
				8260 SOP (ABT., 0477)
—				
WS19 AS-3, WS19 AT-10				

REVIEWED BY_____ PAGE_____

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
7/25/08	0748	LH	F3373	0725BFBF1	〃	5mL	—	〃
	0817		F3374	VSTD050			5.00	
	0847		F3375	MSB(FULL)			5.00	
	0917		F3376	VBNK62			5.00	
	0943		F3377	VBNK63			5.00	
	1010		F3378	A88878 09	8878		5.00	
	1036		F3379	A88841 09	8841		5.00	
	1102		F3380	10	〃		5.00	
	1127		F3381	A88769 01 B	8769		3.05	
	1153		F3382	A88878 01	8878		5.01	
	1218		F3383	02	〃		5.30	
	1244		F3384	03	〃		5.18	
	1310		F3385	04	〃		5.12	
	1335		F3386	05	〃		5.32	
	1401		F3387	06	〃		5.25	
	1426		F3388	A88880 01	8880		5.27	
	1452		F3389	02	〃		5.17	
	1517		F3390	03	〃		5.25	
	1543		F3391	A88873 01	8873		5.22	
	1608		F3392	02	〃		4.96	
	1634		F3393	03	〃		4.93	
	1659		F3394	04	〃		5.05	
	1725		F3395	A88841 01	8841		5.13	
	1750		F3396	02	〃		5.20	
	1816		F3397	03	〃		5.00	
	1841		F3398	04	〃		5.30	
	1907		F3399	05	〃		5.06	
	1932		F3400	06	〃		5.17	
	1958		F3401	07	〃		5.16	
	2023	—	F3402	08	〃	〃	5.23	〃
7/28/08	0951	LH	F3403	0728BFBF1	〃	5mL	—	〃
	1018		F3404	VSTD050			5.00	
	1047		F3405	MSB(FULL)			5.00	
	1113		F3406	VBNK64			5.00	
	~~1204~~	1136	F3407	VBNK65	〃		5.00	
	1204		F3408	A88878 06DL 1g	8878		1.10	
	1229		F3409	A88880 01 1g	8880		1.04	
	1255	〃	F3410	A88841 07 1g	8841	〃	1.00	〃

REVIEWED BY_____ PAGE _____

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

STD #	IS/SS MIX #	ReRun?	pH <2	Comments
WS1AH-4	ISS10EX/KA	—	—	PASS
WS6AJ-9 WS12AI-6 WS13BF-2	〃	—	—	8260D (A8E--0477)
WS19AH-7 WS19AV-8	〃	—	—	〃
〃	〃	—	—	〃
〃	〃	—	—	〃
〃	〃	—	X	〃
〃	〃	—	X	〃
〃	〃	—	X	〃
〃	〃	—	〃	〃
〃	〃	Y	〃	1gram
〃	〃	Y	〃	1gram
〃	〃	Y	〃	ML
〃	〃	Y	〃	12HR / 1gram
〃	〃	Y	〃	Done / 1gram
WS1AH-4	ISS10FH/KA	—	—	PASS
WS6AJ-9 WS12AI-6 WS13BF-2	〃	—	—	8260 (A8E--0477)
WS19AH-7 WS19AV-8	〃	—	—	〃
〃	〃	—	—	〃
〃	〃	—	—	〃
〃	〃	Y	〃	ML
〃	〃	Y	〃	ML
〃	〃	Y	〃	ML

REVIEWED BY_____ PAGE _____

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
7/28/08	1321	KH	F3411	A88841 08 1g	8841	5mL	1.02	7
	1346		F3412	1mL	—		—	
	1412		F3413	A88911 01	8911		5.11	
	1437		F3414	02			5.31	
	1503		F3415	03			5.04	
	1528		F3416	04			5.25	
	1554		F3417	A88816 01	8816		5.10	
	1620		F3418	01ms			—	
	1645		F3419	01sd			—	
	1711		F3420	02			5.09	
	1736		F3421	03			5.00	
	1801		F3422	04			5.09	
	1827		F3423	05			5.08	
	1852		F3424	06			5.15	
	1918		F3425	07			5.38	

REVIEWED BY_____ PAGE _____

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

STD #	IS/SS MIX #	ReRun?	pH <2	Comments
	15510FH/XA		7	
		Y		— mL
WSIQAU-7 WSIQAV-8		Y		No wt written down
		Y		
		Y		
		Y		mL
		Y		1g
		Y		CO?

REVIEWED BY_____ PAGE _____

ANALYTICAL REPORT
Revised

Job#: A08-9188

Project#: NY9A8463
Site Name: ARCADIS
Task: LMC - Utica, NY

Jeff Bonsteel
465 New Karner Road
Albany, NY 12205

TestAmerica Laboratories Inc.

Candace L. Fox

Candace L. Fox
Project Manager

02/27/2009

METHODS SUMMARY

Job#: A08-9188

Project#: NY9A8463
Site Name: ARCADIS

PARAMETER	ANALYTICAL METHOD
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A8918802	IB-3 (16-16.2)	SOIL	07/25/2008	20:00	07/30/2008	09:15
A8918801	IB-3 (8-10)	SOIL	07/25/2008	19:30	07/30/2008	09:15
A8918803	IB-4 (2-2.4)	SOIL	07/28/2008	20:00	07/30/2008	09:15
A8918804	IB-4 (6-6.8)	SOIL	07/28/2008	20:30	07/30/2008	09:15

SDG NARRATIVE

Job#: A08-9188

Project#: NY9A8463
Site Name: ARCADIS

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-9188
Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C
All samples were received in good condition.

Revision Comments

GC/MS Volatile Data (Revision)

Linear regression was used to calibrate all analytes that were greater than 15% RSD in the initial calibration standard curve A8I0000572-1.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Chain of Custody Record

86648

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

AL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
ARCADIS	Jeff Bonstell	07/29/08	087012
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
465 New Karner Rd.	518 452 7826 / 518 452 4398		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12205		Candace Fox	
Project Name and Location (State)	**Carrier/Waybill Number**		
LMC - Utica, Utica, NY			
Contract/Purchase Order/Quote No.			
NJ000360.0001.0002A			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TCL VOAs	Special Instructions/ Conditions of Receipt
IB-3 (8-10)	07/25/08	1930				X	1						1	
IB-3 (16-16.2')	07/25/08	2000				X	1						1	
IB-4 (2-2.4')	07/28/08	2000				X	1						1	
IB-4 (6-6.8')	07/28/08	2030				X	1						1	

Possible Hazard Identification

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For Std. Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other Std.

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	[signature]	07/29/08	1200	BDL	7/30/08	0915
2.						
3.						

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

202.0°C

5/153

18/18

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-3 (16-16.2)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918802

Sample wt/vol: 5.37 (g/mL) G Lab File ID: F3563.RR

Level: (low/med) LOW Date Samp/Recv: 07/25/2008 07/30/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	12	J
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-3 (16-16.2)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918802

Sample wt/vol: 5.37 (g/mL) G Lab File ID: F3563.RR

Level: (low/med) LOW Date Samp/Recv: 07/25/2008 07/30/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	26	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-3 (8-10)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918801

Sample wt/vol: 5.06 (g/mL) G Lab File ID: F3562.RR

Level: (low/med) LOW Date Samp/Recv: 07/25/2008 07/30/2008

% Moisture: not dec. 30 Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	37	
71-43-2	Benzene	7	U
75-27-4	Bromodichloromethane	7	U
75-25-2	Bromoform	7	U
74-83-9	Bromomethane	7	U
78-93-3	2-Butanone	35	U
75-15-0	Carbon Disulfide	2	J
56-23-5	Carbon Tetrachloride	7	U
108-90-7	Chlorobenzene	7	U
75-00-3	Chloroethane	7	U
67-66-3	Chloroform	7	U
74-87-3	Chloromethane	7	U
110-82-7	Cyclohexane	7	U
106-93-4	1,2-Dibromoethane	7	U
124-48-1	Dibromochloromethane	7	U
96-12-8	1,2-Dibromo-3-chloropropane	7	U
95-50-1	1,2-Dichlorobenzene	7	U
541-73-1	1,3-Dichlorobenzene	7	U
106-46-7	1,4-Dichlorobenzene	7	U
75-71-8	Dichlorodifluoromethane	7	U
75-34-3	1,1-Dichloroethane	7	U
107-06-2	1,2-Dichloroethane	7	U
75-35-4	1,1-Dichloroethene	7	U
156-59-2	cis-1,2-Dichloroethene	7	U
156-60-5	trans-1,2-Dichloroethene	7	U
78-87-5	1,2-Dichloropropane	7	U
10061-01-5	cis-1,3-Dichloropropene	7	U
10061-02-6	trans-1,3-Dichloropropene	7	U
100-41-4	Ethylbenzene	7	U
591-78-6	2-Hexanone	35	U
98-82-8	Isopropylbenzene	7	U
79-20-9	Methyl acetate	7	U
108-87-2	Methylcyclohexane	7	U
75-09-2	Methylene chloride	14	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-3 (8-10)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918801

Sample wt/vol: 5.06 (g/mL) G Lab File ID: F3562.RR

Level: (low/med) LOW Date Samp/Recv: 07/25/2008 07/30/2008

% Moisture: not dec. 30 Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	35	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	7	U
100-42-5	Styrene	7	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	22	
108-88-3	Toluene	7	U
120-82-1	1,2,4-Trichlorobenzene	7	U
71-55-6	1,1,1-Trichloroethane	7	U
79-00-5	1,1,2-Trichloroethane	7	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7	U
75-69-4	Trichlorofluoromethane	7	U
79-01-6	Trichloroethene	7	U
75-01-4	Vinyl chloride	14	U
1330-20-7	Total Xylenes	21	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-4 (2-2.4)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918803

Sample wt/vol: 5.06 (g/mL) G Lab File ID: F3564.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2008 07/30/2008

% Moisture: not dec. 22 Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	22	J
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	6	U
78-93-3	2-Butanone	32	U
75-15-0	Carbon Disulfide	6	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
106-93-4	1,2-Dibromoethane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	32	U
98-82-8	Isopropylbenzene	6	U
79-20-9	Methyl acetate	6	U
108-87-2	Methylcyclohexane	6	U
75-09-2	Methylene chloride	6	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-4 (2-2.4)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918803

Sample wt/vol: 5.06 (g/mL) G Lab File ID: F3564.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2008 07/30/2008

% Moisture: not dec. 22 Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	32	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
79-01-6	Trichloroethene	6	U
75-01-4	Vinyl chloride	13	U
1330-20-7	Total Xylenes	19	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-4 (6-6.8)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918804

Sample wt/vol: 5.22 (g/mL) G Lab File ID: F3618.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2008 07/30/2008

% Moisture: not dec. 4 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	18	J
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	1	J
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-4 (6-6.8)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918804

Sample wt/vol: 5.22 (g/mL) G Lab File ID: F3618.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2008 07/30/2008

% Moisture: not dec. 4 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	20	
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Level (low/med): LOW

	Client Sample ID	Lab Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#						TOT OUT
1	IB-3 (16-16.2)	A8918802	107		101		113							0
2	IB-3 (8-10)	A8918801	108		99		111							0
3	IB-4 (2-2.4)	A8918803	107		99		109							0
4	IB-4 (6-6.8)	A8918804	102		114		114							0
5	MSB73	A8B2008701	115		108		116							0
6	MSB77	A8B2017201	111		118		119							0
7	VBLK73	A8B2008702	110		105		114							0
8	VBLK77	A8B2017203	101		104		113							0

QC LIMITS

BFB = p-Bromofluorobenzene (72-126)
DCE = 1,2-Dichloroethane-D4 (61-136)
TOL = Toluene-D8 (71-125)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B2008702

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: VBLK73 Level: (low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	MSB CONCENTRATION UG/KG	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	52.7	106	65 - 146
Trichloroethene	50.0	50.1	100	74 - 127
Benzene	50.0	50.9	102	74 - 127
Toluene	50.0	48.9	98	74 - 123
Chlorobenzene	50.0	49.4	99	76 - 124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B2017203

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: VBLK77 Level: (low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	MSB CONCENTRATION UG/KG	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	50.5	101	65 - 146
Trichloroethene	50.0	49.1	98	74 - 127
Benzene	50.0	49.4	99	74 - 127
Toluene	50.0	47.1	94	74 - 123
Chlorobenzene	50.0	48.1	96	76 - 124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK73

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F3558.RR Lab Sample ID: A8B2008702

Date Analyzed: 08/05/2008 Time Analyzed: 00:23

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	IB-3 (16-16.2)	A8918802	F3563.RR	02:43
2	IB-3 (8-10)	A8918801	F3562.RR	02:18
3	IB-4 (2-2.4)	A8918803	F3564.RR	03:09
4	MSB73	A8B2008701	F3555.RR	22:58

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK73

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B2008702

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3558.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK73

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B2008702

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3558.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK77

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F3615.RR Lab Sample ID: A8B2017203

Date Analyzed: 08/06/2008 Time Analyzed: 11:39

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	IB-4 (6-6.8)	A8918804	F3618.RR	13:01
2	MSB77	A8B2017201	F3613.RR	10:47

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK77

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B2017203

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3615.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK77

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B2017203

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3615.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0001927

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): F3554.RR Date Analyzed: 08/04/2008

Instrument ID: HP5973F Time Analyzed: 22:04

GC Column(1): ZB-624 ID: 0.250(mm) Heated Purge: (Y/N) Y

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		354550		6.99		329142		9.44		704311		4.38	
	UPPER LIMIT		709100		7.49		658284		9.94		1408622		4.88	
	LOWER LIMIT		177275		6.49		164571		8.94		352156		3.88	
	CLIENT SAMPLE	Lab Sample ID												
1	IB-3 (16-16.2)	A8918802	323163		6.99		281982		9.44		669162		4.38	
2	IB-3 (8-10)	A8918801	335214		6.99		312156		9.44		679983		4.38	
3	IB-4 (2-2.4)	A8918803	339316		6.99		313455		9.44		679970		4.38	
4	MSB73	A8B2008701	352731		6.99		329480		9.44		716584		4.38	
5	VBLK73	A8B2008702	333592		6.99		308416		9.44		658451		4.38	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0001947

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): F3611.RR Date Analyzed: 08/06/2008

Instrument ID: HP5973F Time Analyzed: 09:50

GC Column(1): ZB-624 ID: 0.250(mm) Heated Purge: (Y/N) Y

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		298983		6.99		286413		9.44		589722		4.38	
	UPPER LIMIT		597966		7.49		572826		9.94		1179444		4.88	
	LOWER LIMIT		149492		6.49		143207		8.94		294861		3.88	
	CLIENT SAMPLE	Lab Sample ID												
1	IB-4 (6-6.8)	A8918804	287415		6.99		256837		9.44		577735		4.38	
2	MSB77	A8B2017201	302418		6.99		286191		9.44		607295		4.38	
3	VBLK77	A8B2017203	300505		6.99		269440		9.44		598913		4.38	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

8260 Volatiles

QC Summary

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Level (low/med): LOW

	Client Sample ID	Lab Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#						TOT OUT
1	IB-3 (16-16.2)	A8918802	107		101		113							0
2	IB-3 (8-10)	A8918801	108		99		111							0
3	IB-4 (2-2.4)	A8918803	107		99		109							0
4	IB-4 (6-6.8)	A8918804	102		114		114							0
5	MSB73	A8B2008701	115		108		116							0
6	MSB77	A8B2017201	111		118		119							0
7	VBLK73	A8B2008702	110		105		114							0
8	VBLK77	A8B2017203	101		104		113							0

QC LIMITS

BFB = p-Bromofluorobenzene (72-126)
DCE = 1,2-Dichloroethane-D4 (61-136)
TOL = Toluene-D8 (71-125)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B2008702

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: VBLK73 Level: (low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	MSB CONCENTRATION UG/KG	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	52.7	106	65 - 146
Trichloroethene	50.0	50.1	100	74 - 127
Benzene	50.0	50.9	102	74 - 127
Toluene	50.0	48.9	98	74 - 123
Chlorobenzene	50.0	49.4	99	76 - 124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B2017203

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: VBLK77 Level: (low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	MSB CONCENTRATION UG/KG	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	50.5	101	65 - 146
Trichloroethene	50.0	49.1	98	74 - 127
Benzene	50.0	49.4	99	74 - 127
Toluene	50.0	47.1	94	74 - 123
Chlorobenzene	50.0	48.1	96	76 - 124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.
VBLK73

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F3558.RR Lab Sample ID: A8B2008702

Date Analyzed: 08/05/2008 Time Analyzed: 00:23

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	IB-3 (16-16.2)	A8918802	F3563.RR	02:43
2	IB-3 (8-10)	A8918801	F3562.RR	02:18
3	IB-4 (2-2.4)	A8918803	F3564.RR	03:09
4	MSB73	A8B2008701	F3555.RR	22:58

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK77

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F3615.RR Lab Sample ID: A8B2017203

Date Analyzed: 08/06/2008 Time Analyzed: 11:39

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	IB-4 (6-6.8)	A8918804	F3618.RR	13:01
2	MSB77	A8B2017201	F3613.RR	10:47

Comments: _____

ARCADIS G & M INC
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0002238

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F3506 BFB Injection Date: 08/01/2008

Instrument ID: HP5973F BFB Injection Time: 19:22

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N): Y

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	18.7		
75	30.0 - 60.0% of mass 95	47.7		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	6.5		
173	Less than 2.0% of mass 174	0.2	(0.3)	1
174	50 - 120 % of mass 95	78.1		
175	5.0 - 9.0% of mass 174	6.2	(7.9)	1
176	95.0 - 101.0% of mass 174	77.1	(98.7)	1
177	5.0 - 9.0% of mass 176	4.9	(6.3)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD005	A8I0000572-1	F3508.RR	08/01/2008	20:10
2	VSTD020	A8I0000572-1	F3509.RR	08/01/2008	20:36
3	VSTD050	A8I0000572-1	F3510.RR	08/01/2008	21:02
4	VSTD100	A8I0000572-1	F3511.RR	08/01/2008	21:27
5	VSTD200	A8I0000572-1	F3512.RR	08/01/2008	21:53

ARCADIS G & M INC
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0002272

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F3553 BFB Injection Date: 08/04/2008

Instrument ID: HP5973F BFB Injection Time: 21:39

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N): Y

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	20.4		
75	30.0 - 60.0% of mass 95	47.9		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	6.6		
173	Less than 2.0% of mass 174	0.2	(0.2)	1
174	50 - 120 % of mass 95	79.4		
175	5.0 - 9.0% of mass 174	5.4	(6.8)	1
176	95.0 - 101.0% of mass 174	77.8	(98.0)	1
177	5.0 - 9.0% of mass 176	5.4	(6.9)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD050	A8C0001927-1	F3554.RR	08/04/2008	22:04
2	MSB73	A8B2008701	F3555.RR	08/04/2008	22:58
3	VBLK73	A8B2008702	F3558.RR	08/05/2008	00:23
4	IB-3 (8-10)	A8918801	F3562.RR	08/05/2008	02:18
5	IB-3 (16-16.2)	A8918802	F3563.RR	08/05/2008	02:43
6	IB-4 (2-2.4)	A8918803	F3564.RR	08/05/2008	03:09

ARCADIS G & M INC
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0002296

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F3610 BFB Injection Date: 08/06/2008

Instrument ID: HP5973F BFB Injection Time: 09:18

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N): Y

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	19.3		
75	30.0 - 60.0% of mass 95	49.4		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	6.2		
173	Less than 2.0% of mass 174	0.4	(0.5)	1
174	50 - 120 % of mass 95	74.1		
175	5.0 - 9.0% of mass 174	5.3	(7.2)	1
176	95.0 - 101.0% of mass 174	70.7	(95.4)	1
177	5.0 - 9.0% of mass 176	4.4	(6.2)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD050	A8C0001947-1	F3611.RR	08/06/2008	09:50
2	MSB77	A8B2017201	F3613.RR	08/06/2008	10:47
3	VBLK77	A8B2017203	F3615.RR	08/06/2008	11:39
4	IB-4 (6-6.8)	A8918804	F3618.RR	08/06/2008	13:01

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0001927

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): F3554.RR Date Analyzed: 08/04/2008

Instrument ID: HP5973F Time Analyzed: 22:04

GC Column(1): ZB-624 ID: 0.250(mm) Heated Purge: (Y/N) Y

		IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD	354550		6.99		329142		9.44		704311		4.38	
	UPPER LIMIT	709100		7.49		658284		9.94		1408622		4.88	
	LOWER LIMIT	177275		6.49		164571		8.94		352156		3.88	
	CLIENT SAMPLE	Lab Sample ID											
1	IB-3 (16-16.2)	A8918802		323163		6.99		281982		9.44		669162	4.38
2	IB-3 (8-10)	A8918801		335214		6.99		312156		9.44		679983	4.38
3	IB-4 (2-2.4)	A8918803		339316		6.99		313455		9.44		679970	4.38
4	MSB73	A8B2008701		352731		6.99		329480		9.44		716584	4.38
5	VBLK73	A8B2008702		333592		6.99		308416		9.44		658451	4.38

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0001947

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): F3611.RR Date Analyzed: 08/06/2008

Instrument ID: HP5973F Time Analyzed: 09:50

GC Column(1): ZB-624 ID: 0.250(mm) Heated Purge: (Y/N) Y

	CLIENT SAMPLE	Lab Sample ID	IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		298983		6.99		286413		9.44		589722		4.38	
	UPPER LIMIT		597966		7.49		572826		9.94		1179444		4.88	
	LOWER LIMIT		149492		6.49		143207		8.94		294861		3.88	
1	IB-4 (6-6.8)	A8918804	287415		6.99		256837		9.44		577735		4.38	
2	MSB77	A8B2017201	302418		6.99		286191		9.44		607295		4.38	
3	VBLK77	A8B2017203	300505		6.99		269440		9.44		598913		4.38	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

Compare Client DL for PROJECT NY9A8463 and TASK 42 to Lab MDL
For METHOD: 8260 PROTOCOL: SW8463
For FRACTIONS: MV

Laboratory: A
ct Manager: CLF

Client Name	Project No	Tsk No	Parameter	TDL Type	Protcl	Method	Test	T M	UM	CDL	TDL	MDL	E X	E T	J	T
ction: MV																
is G & M Inc	NY9A8463	42	1,1,1-Trichloroethane	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.26495	N		J	
is G & M Inc	NY9A8463	42	1,1,1-Trichloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.26495	N		J	
is G & M Inc	NY9A8463	42	1,1,1-Trichloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.36333	N		J	
is G & M Inc	NY9A8463	42	1,1,2,2-Tetrachloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.21300	N		J	
is G & M Inc	NY9A8463	42	1,1,2,2-Tetrachloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.81100	N		J	
is G & M Inc	NY9A8463	42	1,1,2-Trichloro-1,2,2-trifluoroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.30900	N		J	
is G & M Inc	NY9A8463	42	1,1,2-Trichloro-1,2,2-trifluoroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.53000	N		J	
is G & M Inc	NY9A8463	42	1,1,2-Trichloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.23100	N		J	
is G & M Inc	NY9A8463	42	1,1,2-Trichloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.25113	N		J	
is G & M Inc	NY9A8463	42	1,1-Dichloroethane	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.75000	N		J	
is G & M Inc	NY9A8463	42	1,1-Dichloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.75000	N		J	
is G & M Inc	NY9A8463	42	1,1-Dichloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.58100	N		J	
is G & M Inc	NY9A8463	42	1,1-Dichloroethene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.29324	N		J	
is G & M Inc	NY9A8463	42	1,1-Dichloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.29324	N		J	
is G & M Inc	NY9A8463	42	1,1-Dichloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.61200	N		J	
is G & M Inc	NY9A8463	42	1,2,4-Trichlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.40765	N		J	
is G & M Inc	NY9A8463	42	1,2,4-Trichlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.30424	N		J	
is G & M Inc	NY9A8463	42	1,2-Dibromo-3-chloropropane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	1.00000	N		J	
is G & M Inc	NY9A8463	42	1,2-Dibromo-3-chloropropane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.99600	N		J	
is G & M Inc	NY9A8463	42	1,2-Dibromoethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16600	N		J	
is G & M Inc	NY9A8463	42	1,2-Dibromoethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.18984	N		J	
is G & M Inc	NY9A8463	42	1,2-Dichlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.20300	N		J	
is G & M Inc	NY9A8463	42	1,2-Dichlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.75300	N		J	
is G & M Inc	NY9A8463	42	1,2-Dichloroethane	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.21400	N		J	
is G & M Inc	NY9A8463	42	1,2-Dichloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.21400	N		J	
is G & M Inc	NY9A8463	42	1,2-Dichloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.25113	N		J	
is G & M Inc	NY9A8463	42	1,2-Dichloropropane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.14400	N		J	
is G & M Inc	NY9A8463	42	1,2-Dichloropropane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.25615	N		J	
is G & M Inc	NY9A8463	42	1,3-Dichlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16500	N		J	
is G & M Inc	NY9A8463	42	1,3-Dichlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.70700	N		J	
is G & M Inc	NY9A8463	42	1,4-Dichlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16200	N		J	
is G & M Inc	NY9A8463	42	1,4-Dichlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.70000	N		J	
is G & M Inc	NY9A8463	42	2-Butanone	CDL	SW8463	8260	CTA01933	W	UG/L	5.0000	5.00000	1.31800	N		J	
is G & M Inc	NY9A8463	42	2-Butanone	EQL	SW8463	8260	ST001242	W	UG/L		5.00000	1.31800	N		J	
is G & M Inc	NY9A8463	42	2-Butanone	EQL	SW8463	8260	ST001793	W	UG/L		5.00000	1.31800	N		J	
is G & M Inc	NY9A8463	42	2-Butanone	EQL	SW8463	8260	ST001794	S	UG/KG		25.00000	6.80300	N		J	

Exception Types: N - MDL "Not Found" * - TDL=0 or MDL=0 M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL) E - TDL>CDL (TDL Type CDL)

Laboratory: A
ect Manager: CLF

Client Name	Project No	Tsk No	Parameter	TDL Type	TDL Protcl	TDL Method	Test	T M	UM	CDL	TDL	MDL	E X	E I	J	I
dis G & M Inc	NY9A8463	42	2-Hexanone	EQL	SW8463	8260	ST001793	W	UG/L		5.00000	1.24100	N		J	
dis G & M Inc	NY9A8463	42	2-Hexanone	EQL	SW8463	8260	ST001794	S	UG/KG		25.00000	6.25000	N		J	
dis G & M Inc	NY9A8463	42	4-Methyl-2-pentanone	EQL	SW8463	8260	ST001793	W	UG/L		5.00000	0.90900	N		J	
dis G & M Inc	NY9A8463	42	4-Methyl-2-pentanone	EQL	SW8463	8260	ST001794	S	UG/KG		25.00000	6.25000	N		J	
dis G & M Inc	NY9A8463	42	Acetone	EQL	SW8463	8260	ST001793	W	UG/L		5.00000	1.34500	N		J	
dis G & M Inc	NY9A8463	42	Acetone	EQL	SW8463	8260	ST001794	S	UG/KG		25.00000	1.09700	N		J	
dis G & M Inc	NY9A8463	42	Benzene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.16400	N		J	
dis G & M Inc	NY9A8463	42	Benzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16400	N		J	
dis G & M Inc	NY9A8463	42	Benzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.54700	N		J	
dis G & M Inc	NY9A8463	42	Bromodichloromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.38565	N		J	
dis G & M Inc	NY9A8463	42	Bromodichloromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.25710	N		J	
dis G & M Inc	NY9A8463	42	Bromoform	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.25741	N		J	
dis G & M Inc	NY9A8463	42	Bromoform	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.46139	N		J	
dis G & M Inc	NY9A8463	42	Bromomethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.28161	N		J	
dis G & M Inc	NY9A8463	42	Bromomethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.45888	N		J	
dis G & M Inc	NY9A8463	42	Carbon Disulfide	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.19400	N		J	
dis G & M Inc	NY9A8463	42	Carbon Disulfide	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.42871	N		J	
dis G & M Inc	NY9A8463	42	Carbon Tetrachloride	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.26653	N		J	
dis G & M Inc	NY9A8463	42	Carbon Tetrachloride	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.26653	N		J	
dis G & M Inc	NY9A8463	42	Carbon Tetrachloride	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.68100	N		J	
dis G & M Inc	NY9A8463	42	Chlorobenzene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.18300	N		J	
dis G & M Inc	NY9A8463	42	Chlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.18300	N		J	
dis G & M Inc	NY9A8463	42	Chlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.51400	N		J	
dis G & M Inc	NY9A8463	42	Chloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.32373	N		J	
dis G & M Inc	NY9A8463	42	Chloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.80900	N		J	
dis G & M Inc	NY9A8463	42	Chloroform	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.33567	N		J	
dis G & M Inc	NY9A8463	42	Chloroform	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.33567	N		J	
dis G & M Inc	NY9A8463	42	Chloroform	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.30896	N		J	
dis G & M Inc	NY9A8463	42	Chloromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.34573	N		J	
dis G & M Inc	NY9A8463	42	Chloromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.30200	N		J	
dis G & M Inc	NY9A8463	42	Cyclohexane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.22000	N		J	
dis G & M Inc	NY9A8463	42	Cyclohexane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.23000	N		J	
dis G & M Inc	NY9A8463	42	Dibromochloromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.32247	N		J	
dis G & M Inc	NY9A8463	42	Dibromochloromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.27627	N		J	
dis G & M Inc	NY9A8463	42	Dichlorodifluoromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.28538	N		J	
dis G & M Inc	NY9A8463	42	Dichlorodifluoromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.41330	N		J	
dis G & M Inc	NY9A8463	42	Ethylbenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.18400	N		J	

- Exception Types: N - MDL "Not Found" * - TDL=0 or MDL=0 M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL) E - TDL>CDL (TDL Type CDL)

Laboratory: A
ct Manager: CLF

Client Name	Project No	Tsk No	Parameter	TDL Type	Protcl	Method	Test	T M	UM	CDL	TDL	MDL	E X	E T	J	I
lis G & M Inc	NY9A8463	42	Ethylbenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.34542	N		J	
lis G & M Inc	NY9A8463	42	Isopropylbenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.19300	N		J	
lis G & M Inc	NY9A8463	42	Isopropylbenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.32781	N		J	
lis G & M Inc	NY9A8463	42	Methyl acetate	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.17100	N		J	
lis G & M Inc	NY9A8463	42	Methyl acetate	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.99800	N		J	
lis G & M Inc	NY9A8463	42	Methyl-t-Butyl Ether (MTBE)	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16100	N		J	
lis G & M Inc	NY9A8463	42	Methyl-t-Butyl Ether (MTBE)	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.49100	N		J	
lis G & M Inc	NY9A8463	42	Methylcyclohexane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.22100	N		J	
lis G & M Inc	NY9A8463	42	Methylcyclohexane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.32404	N		J	
lis G & M Inc	NY9A8463	42	Methylene chloride	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.43845	N		J	
lis G & M Inc	NY9A8463	42	Methylene chloride	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	2.20000	N		J	
lis G & M Inc	NY9A8463	42	Styrene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.18500	N		J	
lis G & M Inc	NY9A8463	42	Styrene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.24955	N		J	
lis G & M Inc	NY9A8463	42	Tetrachloroethene	CDL	SW8463	8260	CTA01933	W	UG/L	0.5000	1.00000	0.36490	Y	E	J	
lis G & M Inc	NY9A8463	42	Tetrachloroethene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.36490	N		J	
lis G & M Inc	NY9A8463	42	Tetrachloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.36490	N		J	
lis G & M Inc	NY9A8463	42	Tetrachloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.67100	N		J	
lis G & M Inc	NY9A8463	42	Toluene	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.51000	N		J	
lis G & M Inc	NY9A8463	42	Toluene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.51000	N		J	
lis G & M Inc	NY9A8463	42	Toluene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.84800	N		J	
lis G & M Inc	NY9A8463	42	Total Xylenes	EQL	SW8463	8260	ST001793	W	UG/L		3.00000	0.93000	N		J	
lis G & M Inc	NY9A8463	42	Total Xylenes	EQL	SW8463	8260	ST001794	S	UG/KG		15.00000	2.93714	N		J	
lis G & M Inc	NY9A8463	42	Trichloroethene	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.17500	N		J	
lis G & M Inc	NY9A8463	42	Trichloroethene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.17500	N		J	
lis G & M Inc	NY9A8463	42	Trichloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.17500	N		J	
lis G & M Inc	NY9A8463	42	Trichloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.34510	N		J	
lis G & M Inc	NY9A8463	42	Trichlorofluoromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.15200	N		J	
lis G & M Inc	NY9A8463	42	Trichlorofluoromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	1.56400	N		J	
lis G & M Inc	NY9A8463	42	Vinyl chloride	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.24264	N		J	
lis G & M Inc	NY9A8463	42	Vinyl chloride	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.24264	N		J	
lis G & M Inc	NY9A8463	42	Vinyl chloride	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.24264	N		J	
lis G & M Inc	NY9A8463	42	Vinyl chloride	EQL	SW8463	8260	ST001794	S	UG/KG		10.00000	0.20398	N		J	
lis G & M Inc	NY9A8463	42	cis-1,2-Dichloroethene	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.16200	N		J	
lis G & M Inc	NY9A8463	42	cis-1,2-Dichloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16200	N		J	
lis G & M Inc	NY9A8463	42	cis-1,2-Dichloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.24641	N		J	
lis G & M Inc	NY9A8463	42	cis-1,3-Dichloropropene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.35516	N		J	
lis G & M Inc	NY9A8463	42	cis-1,3-Dichloropropene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.28538	N		J	

Exception Types: N - MDL "Not Found" * - TDL=0 or MDL=0 M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL) E - TDL>CDL (TDL Type CDL)

Laboratory: A
ct Manager: CLF

Client Name	Project No	Tsk No	Parameter	TDL Type	Protcl	Method	Test	T M	UM	CDL	TDL	MDL	E X	E T	J	T
is G & M Inc	NY9A8463	42	trans-1,2-Dichloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.12600	N		J	
is G & M Inc	NY9A8463	42	trans-1,2-Dichloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.51577	N		J	
is G & M Inc	NY9A8463	42	trans-1,3-Dichloropropene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.36836	N		J	
is G & M Inc	NY9A8463	42	trans-1,3-Dichloropropene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.64200	N		J	

Exception Types: N - MDL "Not Found" * - TDL=0 or MDL=0 M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL) E - TDL>CDL (TDL Type CDL)

Sample Data

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-3 (16-16.2)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918802

Sample wt/vol: 5.37 (g/mL) G Lab File ID: F3563.RR

Level: (low/med) LOW Date Samp/Recv: 07/25/2008 07/30/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	12	J
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-3 (16-16.2)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918802

Sample wt/vol: 5.37 (g/mL) G Lab File ID: F3563.RR

Level: (low/med) LOW Date Samp/Recv: 07/25/2008 07/30/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

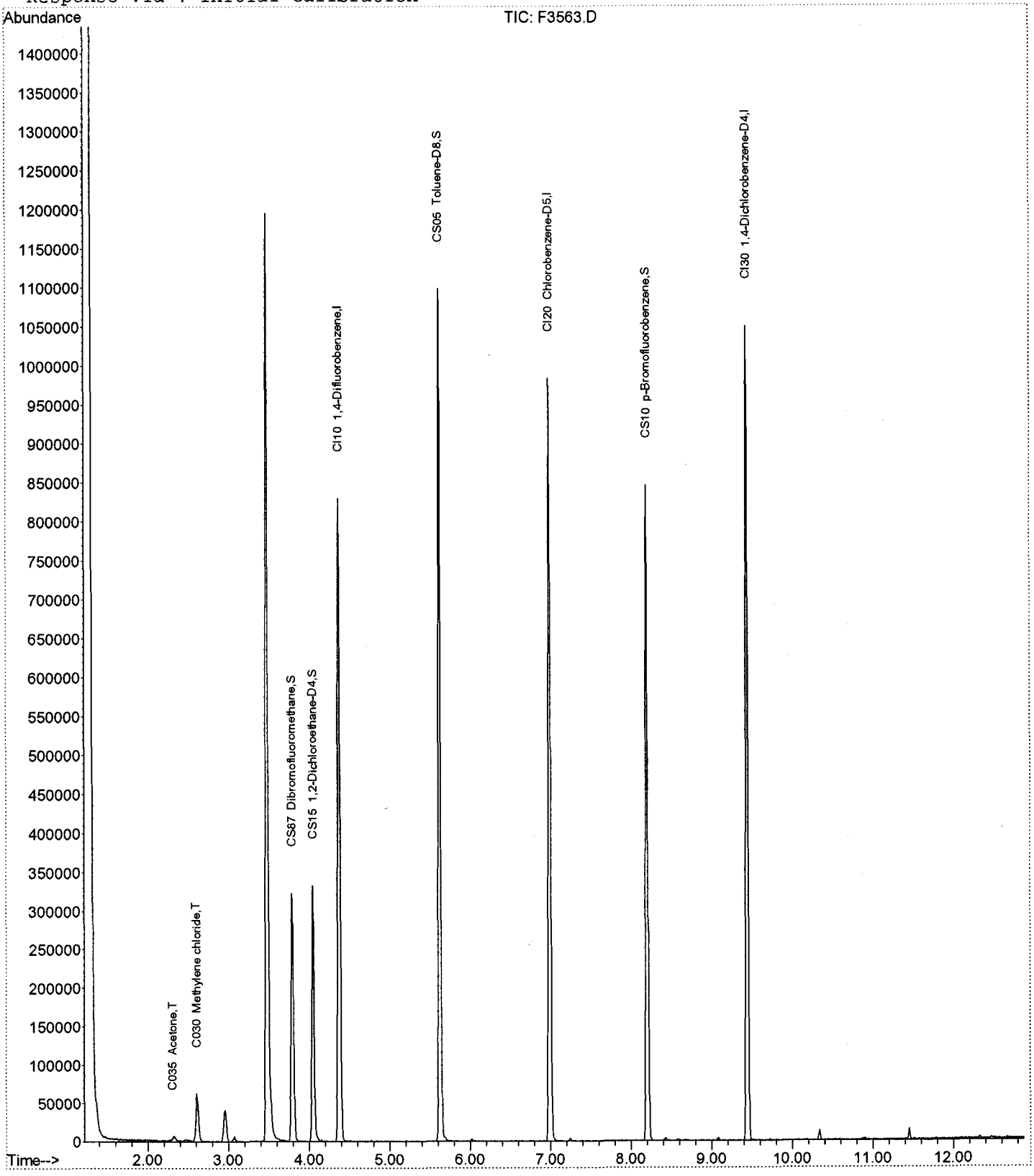
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	26	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	15	U

Data File : H:\GCMS_VOA\TEMP\F3563.D
Acq On : 5 Aug 2008 2:43
Sample : A8918802
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 5 20:23 2008

Vial: 5
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 11 11:21:10 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3563.D Vial: 5
Acq On : 5 Aug 2008 2:43 Operator: CDC
Sample : A8918802 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 05 16:33:49 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Aug 05 16:32:25 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080408\F3554.D (4 Aug 2008 22:04)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	669162	250.00	ng	0.00 95.01%
43) CI20	Chlorobenzene-D5	6.99	82	323163	250.00	ng	0.00 91.15%
63) CI30	1,4-Dichlorobenzene-	9.44	152	281982	250.00	ng	0.00 85.67%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.79	111	202960	272.16	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	108.86%	
32) CS15	1,2-Dichloroethane-D	4.05	65	252661	252.78	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	101.11%	
44) CS05	Toluene-D8	5.62	98	796959	281.68	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	112.67%	
62) CS10	p-Bromofluorobenzene	8.20	174	257883	268.05	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	107.22%	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	2.02	101	265	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	34713	6.09	ng	84
11) C040	Carbon disulfide	2.47	76	6455	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.32	43	12243	59.99	ng	90
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	2.53	43	994	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	3.46	96	278	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	3.68	83	473	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

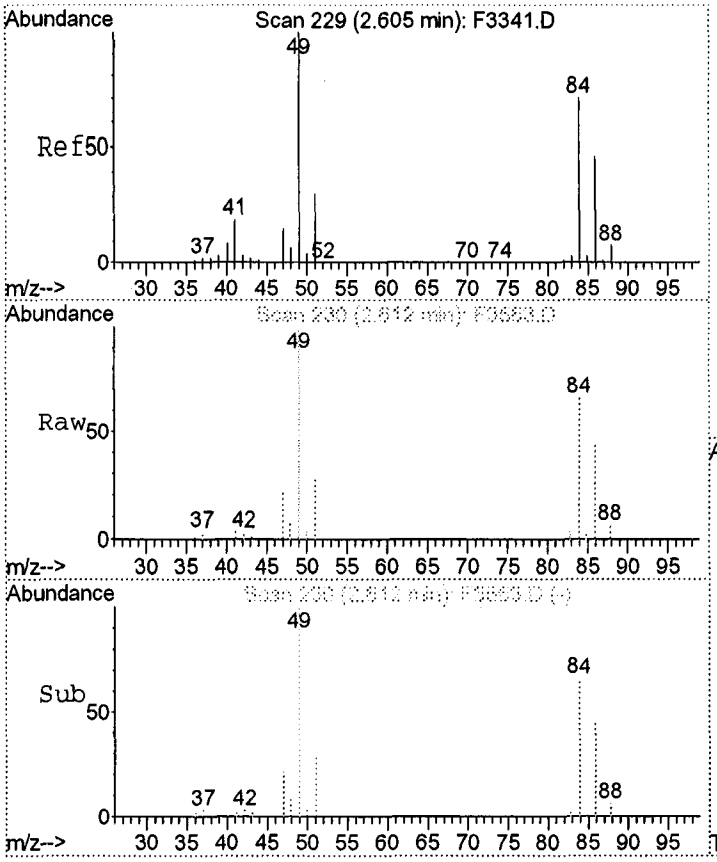
2/20/09

Data File : H:\GCMS_VOA\TEMP\F3563.D Vial: 5
Acq On : 5 Aug 2008 2:43 Operator: CDC
Sample : A8918802 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 05 16:33:49 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Aug 05 16:32:25 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	4.11	78	2618	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	0.00	43	0	N.D.	d
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	4.78	83	323	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.70	92	1528	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.63	43	3148	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	0.00	43	0	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.13	91	783	N.D.	
58)	C246	m,p-Xylene	7.25	106	1199	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	8.48	91	300	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.68	105	872	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	3101	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	3101	N.D.	
76)	C260	1,3-Dichlorobenzene	9.47	146	2113	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.47	146	2113	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	10708	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

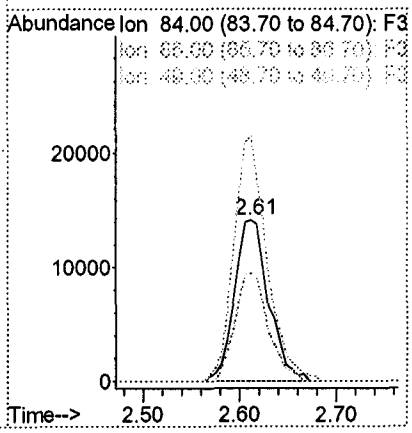
(#) = qualifier out of range (m) = manual integration

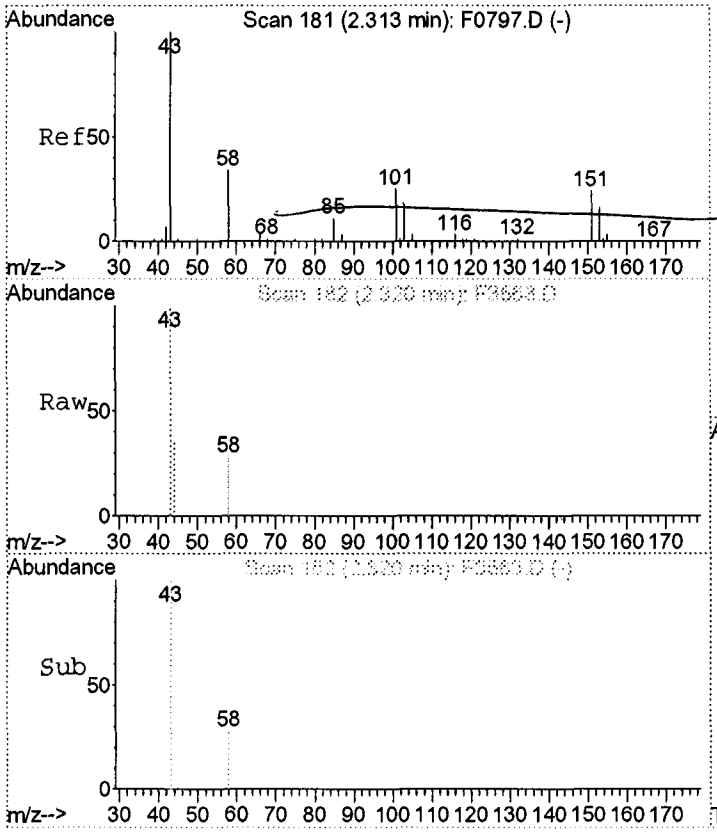


#10
C030 Methylene chloride
Concen: 6.09 ng
RT: 2.61 min Scan# 230
Delta R.T. 0.01 min
Lab File: F3563.D
Acq: 5 Aug 2008 2:43

Tgt Ion: 84 Resp: 34713

Ion	Ratio	Lower	Upper
84	100		
86	66.9	40.0	100.0
49	150.6	95.0	155.0

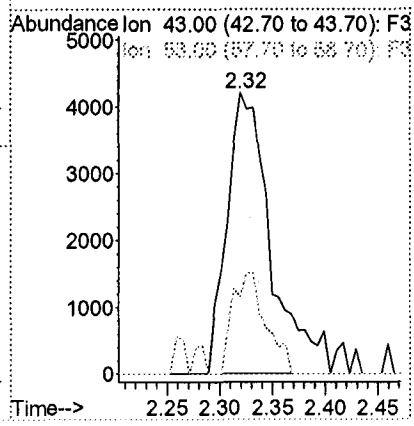




#14
C035 Acetone
Concen: 59.99 ng
RT: 2.32 min Scan# 182
Delta R.T. 0.00 min
Lab File: F3563.D
Acq: 5 Aug 2008 2:43

Tgt Ion: 43 Resp: 12243

Ion	Ratio	Lower	Upper
43	100		
58	27.6	3.0	63.0



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-3 (8-10)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918801

Sample wt/vol: 5.06 (g/mL) G Lab File ID: F3562.RR

Level: (low/med) LOW Date Samp/Recv: 07/25/2008 07/30/2008

% Moisture: not dec. 30 Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	37	
71-43-2	Benzene	7	U
75-27-4	Bromodichloromethane	7	U
75-25-2	Bromoform	7	U
74-83-9	Bromomethane	7	U
78-93-3	2-Butanone	35	U
75-15-0	Carbon Disulfide	2	J
56-23-5	Carbon Tetrachloride	7	U
108-90-7	Chlorobenzene	7	U
75-00-3	Chloroethane	7	U
67-66-3	Chloroform	7	U
74-87-3	Chloromethane	7	U
110-82-7	Cyclohexane	7	U
106-93-4	1,2-Dibromoethane	7	U
124-48-1	Dibromochloromethane	7	U
96-12-8	1,2-Dibromo-3-chloropropane	7	U
95-50-1	1,2-Dichlorobenzene	7	U
541-73-1	1,3-Dichlorobenzene	7	U
106-46-7	1,4-Dichlorobenzene	7	U
75-71-8	Dichlorodifluoromethane	7	U
75-34-3	1,1-Dichloroethane	7	U
107-06-2	1,2-Dichloroethane	7	U
75-35-4	1,1-Dichloroethene	7	U
156-59-2	cis-1,2-Dichloroethene	7	U
156-60-5	trans-1,2-Dichloroethene	7	U
78-87-5	1,2-Dichloropropane	7	U
10061-01-5	cis-1,3-Dichloropropene	7	U
10061-02-6	trans-1,3-Dichloropropene	7	U
100-41-4	Ethylbenzene	7	U
591-78-6	2-Hexanone	35	U
98-82-8	Isopropylbenzene	7	U
79-20-9	Methyl acetate	7	U
108-87-2	Methylcyclohexane	7	U
75-09-2	Methylene chloride	14	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-3 (8-10)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918801

Sample wt/vol: 5.06 (g/mL) G Lab File ID: F3562.RR

Level: (low/med) LOW Date Samp/Recv: 07/25/2008 07/30/2008

% Moisture: not dec. 30 Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	35	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	7	U
100-42-5	Styrene	7	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	22	
108-88-3	Toluene	7	U
120-82-1	1,2,4-Trichlorobenzene	7	U
71-55-6	1,1,1-Trichloroethane	7	U
79-00-5	1,1,2-Trichloroethane	7	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7	U
75-69-4	Trichlorofluoromethane	7	U
79-01-6	Trichloroethene	7	U
75-01-4	Vinyl chloride	14	U
1330-20-7	Total Xylenes	21	U

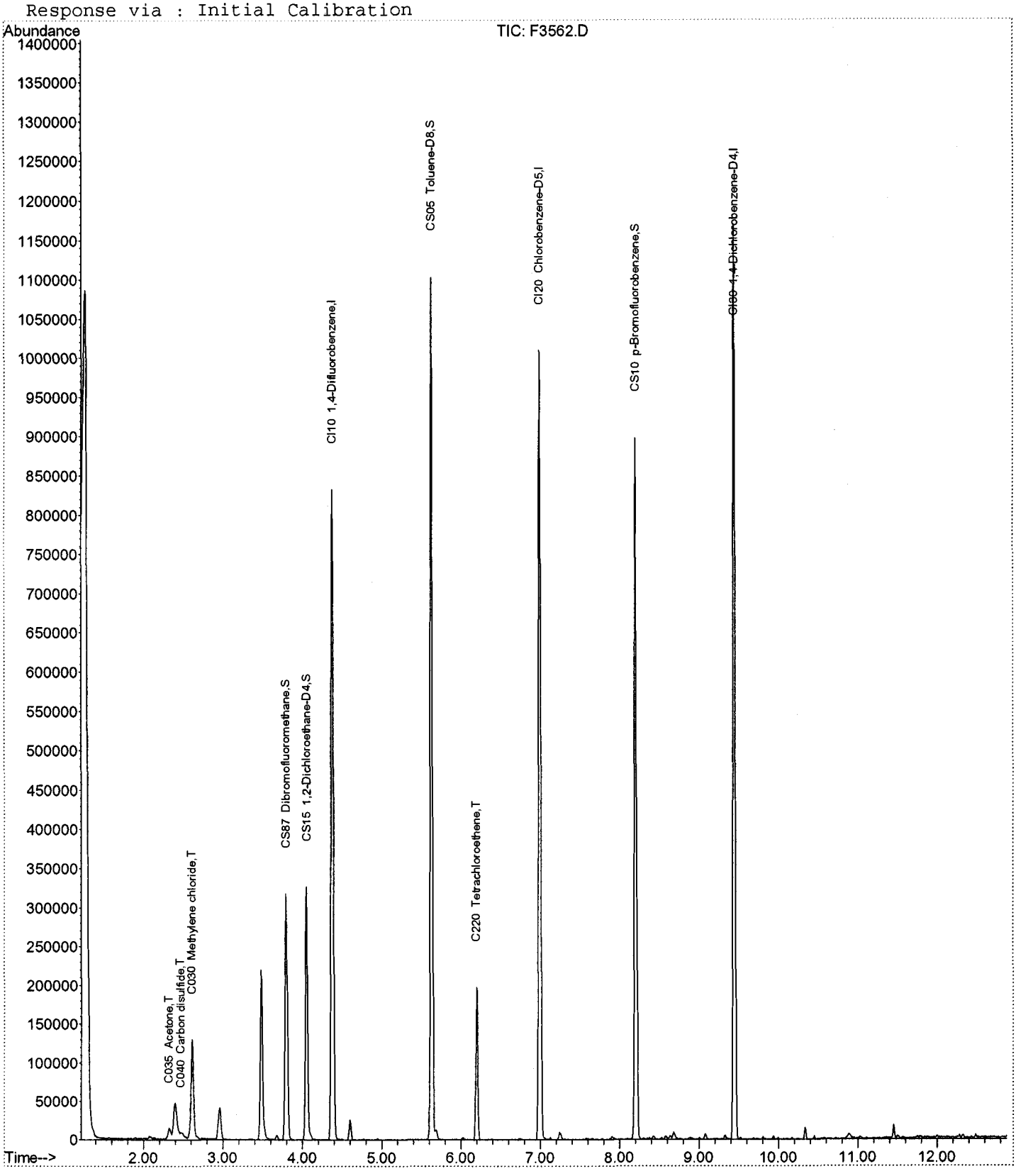
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\TEMP\F3562.D
Acq On : 5 Aug 2008 2:18
Sample : A8918801
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 5 20:23 2008

Vial: 4
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 11 11:21:10 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3562.D Vial: 4
Acq On : 5 Aug 2008 2:18 Operator: CDC
Sample : A8918801 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 05 16:33:44 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Aug 05 16:32:25 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080408\F3554.D (4 Aug 2008 22:04)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	679983	250.00	ng	0.00 96.55%
43) CI20	Chlorobenzene-D5	6.99	82	335214	250.00	ng	0.00 94.55%
63) CI30	1,4-Dichlorobenzene-	9.44	152	312156	250.00	ng	0.00 94.84%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.79	111	201248	265.57	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery =	106.23%		
32) CS15	1,2-Dichloroethane-D	4.05	65	251626	247.74	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery =	99.10%		
44) CS05	Toluene-D8	5.63	98	812237	276.76	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery =	110.70%		
62) CS10	p-Bromofluorobenzene	8.20	174	270898	271.45	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery =	108.58%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	70249	51.05	ng	86
11) C040	Carbon disulfide	2.47	76	12197	6.83	ng	77
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.32	43	27275	131.53	ng	82
15) C300	Acetonitrile	2.54	41	274	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	2.53	43	2628	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	3.46	96	1025	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	3.68	83	5070	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3562.D
Acq On : 5 Aug 2008 2:18
Sample : A8918801
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 05 16:33:44 2008

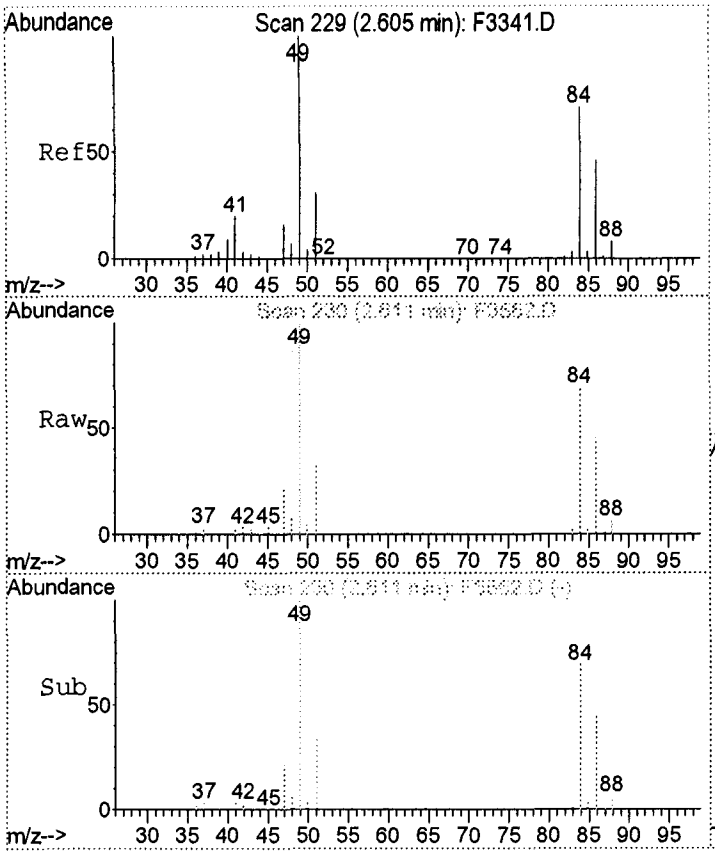
Vial: 4
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Aug 05 16:32:25 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	4.11	78	4192	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	0.00	43	0	N.D. d	
36)	C150	Trichloroethene	4.60	95	9145	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	4.77	83	880	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.70	92	5206	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.51	43	556	N.D.	
50)	C220	Tetrachloroethene	6.20	166	65666	78.12 ng	95
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	0.00	43	0	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.13	91	1935	N.D.	
58)	C246	m,p-Xylene	7.24	106	3340	N.D.	
59)	C247	o-Xylene	7.65	106	931	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	8.48	91	1079	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.67	105	2008	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	5454	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	5454	N.D.	
76)	C260	1,3-Dichlorobenzene	9.46	146	2893	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.46	146	2893	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	10.33	75	424	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	13474	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration

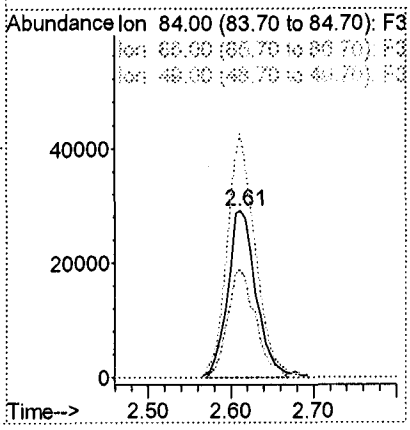
2/20/2009

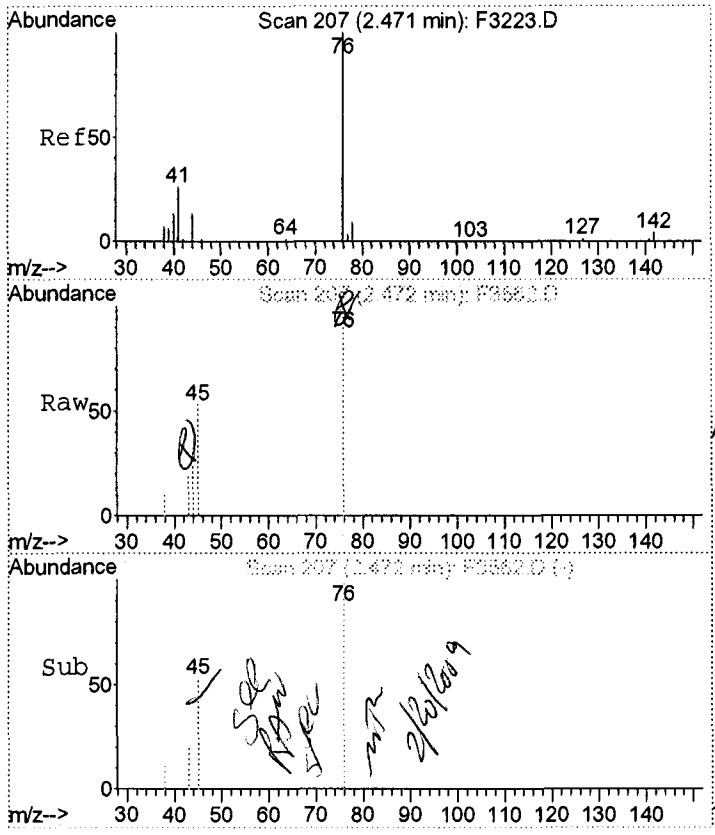


#10
C030 Methylene chloride
Concen: 51.05 ng
RT: 2.61 min Scan# 230
Delta R.T. 0.01 min
Lab File: F3562.D
Acq: 5 Aug 2008 2:18

Tgt Ion: 84 Resp: 70249

Ion	Ratio	Lower	Upper
84	100		
86	65.1	40.0	100.0
49	145.2	95.0	155.0

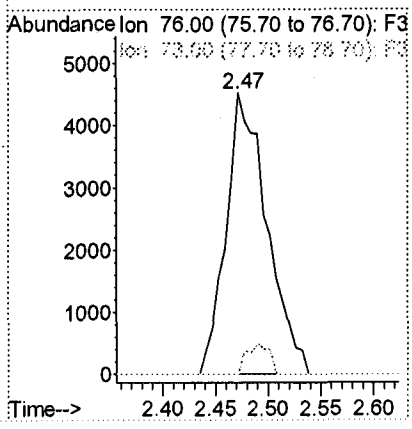


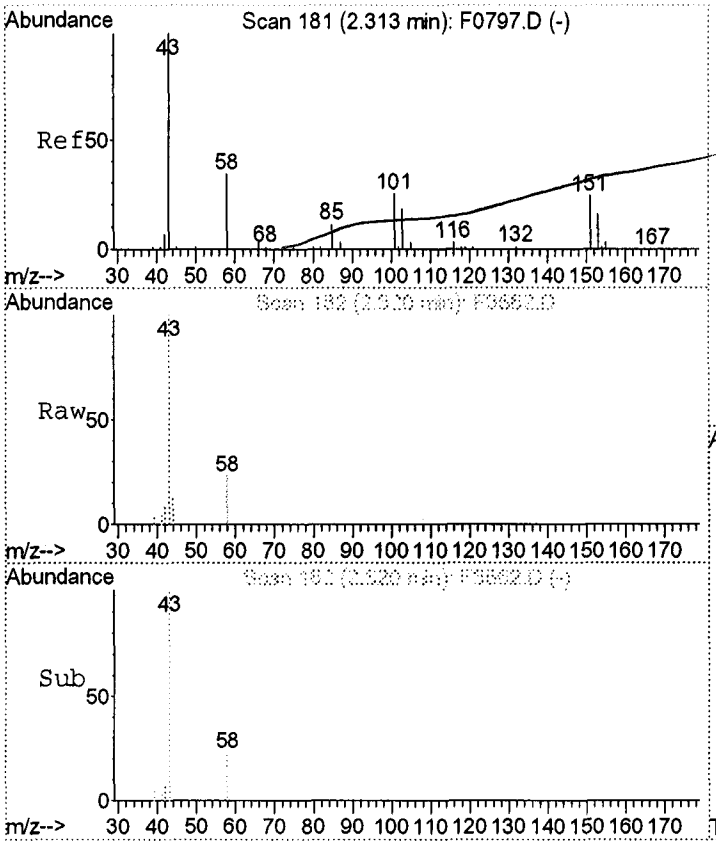


#11
C040 Carbon disulfide
Concen: 6.83 ng
RT: 2.47 min Scan# 207
Delta R.T. 0.00 min
Lab File: F3562.D
Acq: 5 Aug 2008 2:18

Tgt Ion: 76 Resp: 12197

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	38.0

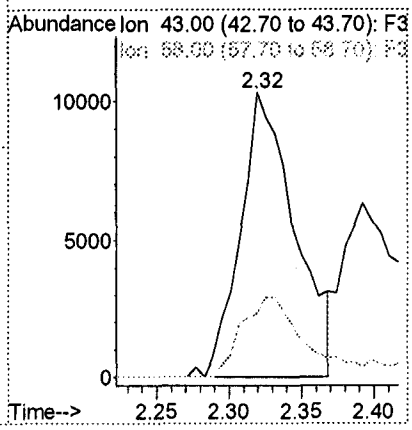


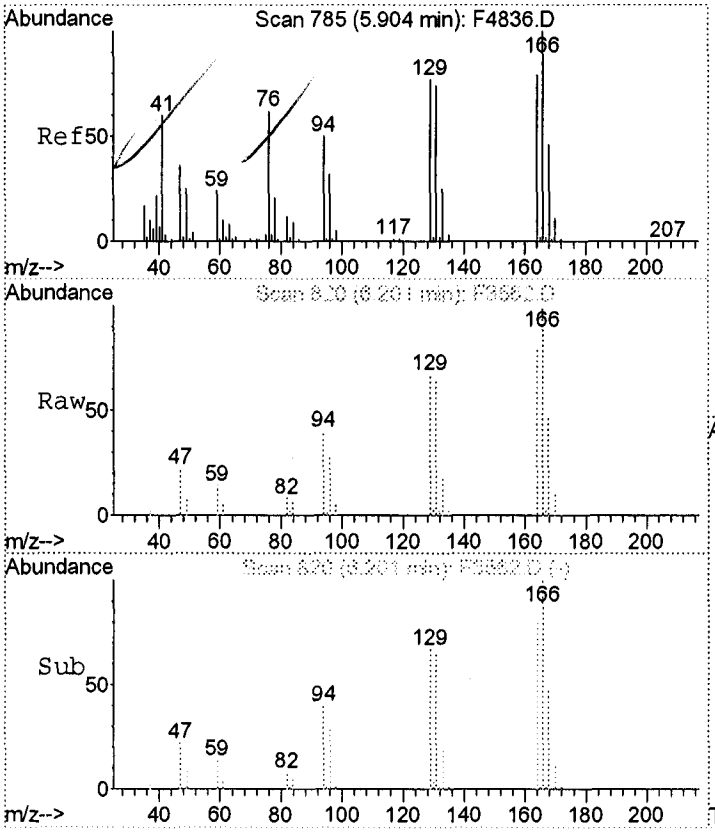


#14
C035 Acetone
Concen: 131.53 ng
RT: 2.32 min Scan# 182
Delta R.T. 0.00 min
Lab File: F3562.D
Acq: 5 Aug 2008 2:18

Tgt Ion: 43 Resp: 27275

Ion	Ratio	Lower	Upper
43	100		
58	22.7	3.0	63.0

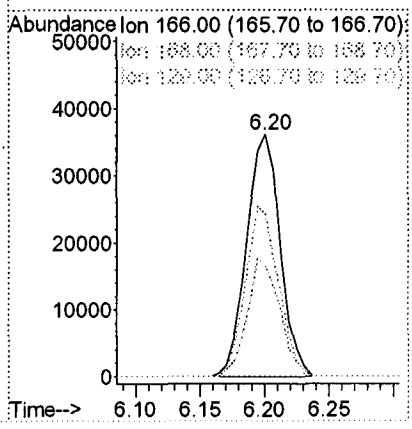




#50
C220 Tetrachloroethene
Concen: 78.12 ng
RT: 6.20 min Scan# 820
Delta R.T. 0.00 min
Lab File: F3562.D
Acq: 5 Aug 2008 2:18

Tgt Ion:166 Resp: 65666

Ion	Ratio	Lower	Upper
166	100		
168	46.5	21.4	81.4
129	67.4	34.7	94.7



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-4 (2-2.4)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918803

Sample wt/vol: 5.06 (g/mL) G Lab File ID: F3564.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2008 07/30/2008

% Moisture: not dec. 22 Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	22	J
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	6	U
78-93-3	2-Butanone	32	U
75-15-0	Carbon Disulfide	6	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
106-93-4	1,2-Dibromoethane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	32	U
98-82-8	Isopropylbenzene	6	U
79-20-9	Methyl acetate	6	U
108-87-2	Methylcyclohexane	6	U
75-09-2	Methylene chloride	6	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-4 (2-2.4)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918803

Sample wt/vol: 5.06 (g/mL) G Lab File ID: F3564.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2008 07/30/2008

% Moisture: not dec. 22 Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

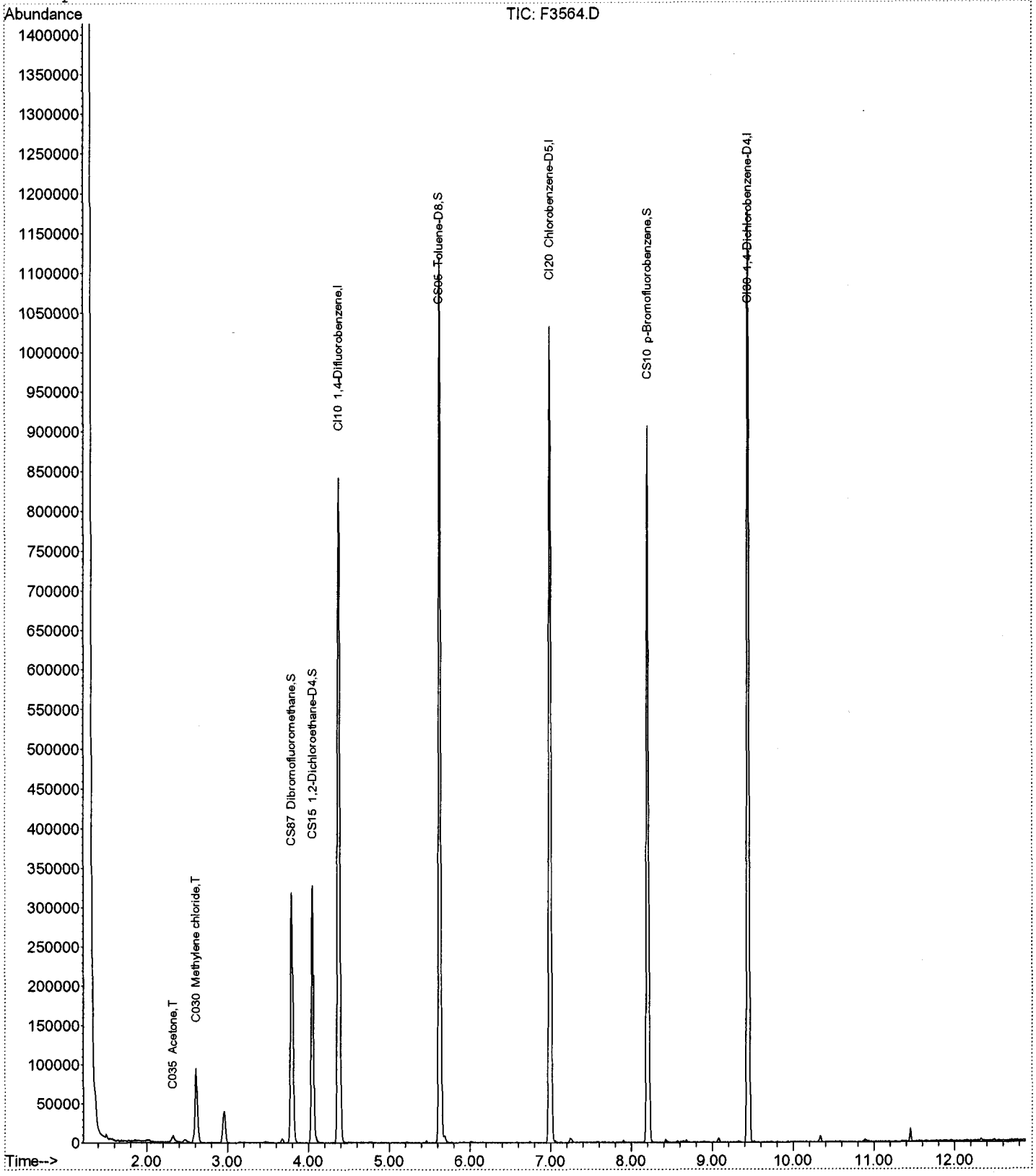
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	32	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
79-01-6	Trichloroethene	6	U
75-01-4	Vinyl chloride	13	U
1330-20-7	Total Xylenes	19	U

Data File : H:\GCMS_VOA\TEMP\F3564.D
Acq On : 5 Aug 2008 3:09
Sample : A8918803
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 5 16:33 2008

Vial: 6
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 11 11:21:10 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3564.D
Acq On : 5 Aug 2008 3:09
Sample : A8918803
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 05 16:33:54 2008

Vial: 6
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Aug 05 16:32:25 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080408\F3554.D (4 Aug 2008 22:04)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	679970	250.00	ng	0.00 96.54%
43) CI20	Chlorobenzene-D5	6.99	82	339316	250.00	ng	0.00 95.70%
63) CI30	1,4-Dichlorobenzene-	9.44	152	313455	250.00	ng	0.00 95.23%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.80	111	202922	267.78	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	107.11%	
32) CS15	1,2-Dichloroethane-D	4.05	65	252608	248.71	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	99.48%	
44) CS05	Toluene-D8	5.62	98	809433	272.47	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	108.99%	
62) CS10	p-Bromofluorobenzene	8.20	174	271075	268.35	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	107.34%	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	47879	22.29	ng	84
11) C040	Carbon disulfide	2.48	76	8238	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.33	43	17522	84.50	ng	95
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	3.69	42	151	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	3.67	83	4417	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

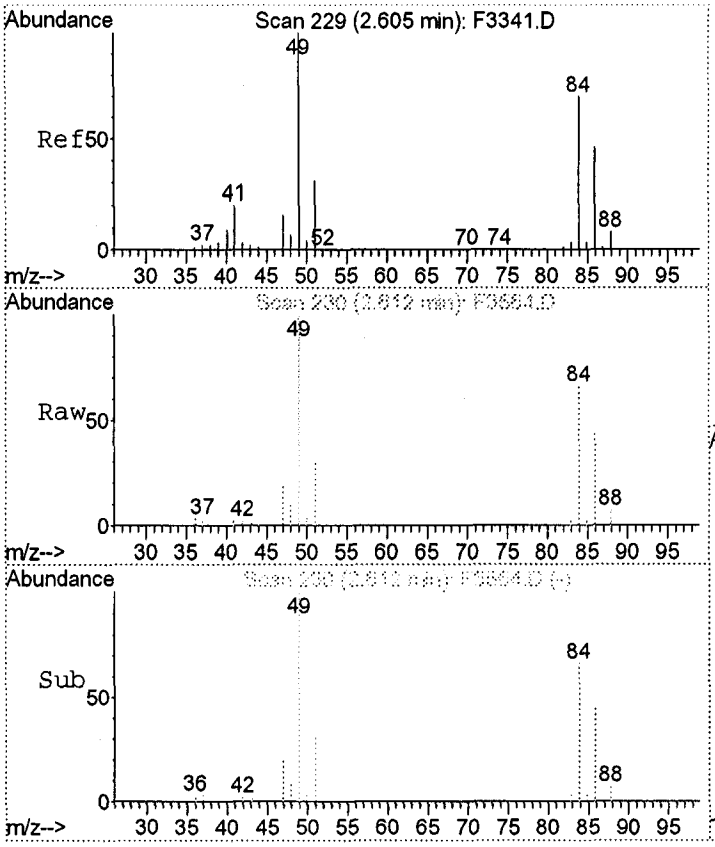
Data File : H:\GCMS_VOA\TEMP\F3564.D
Acq On : 5 Aug 2008 3:09
Sample : A8918803
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 05 16:33:54 2008

Vial: 6
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Aug 05 16:32:25 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	4.10	78	1622	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	3.47	43	4008	N.D.	
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	4.77	83	377	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.69	92	3219	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.62	43	3444	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	0.00	43	0	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.13	91	1240	N.D.	
58)	C246	m,p-Xylene	7.24	106	2078	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	8.48	91	496	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.66	105	972	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	4140	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	4140	N.D.	
76)	C260	1,3-Dichlorobenzene	9.47	146	2400	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.47	146	2400	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	11790	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

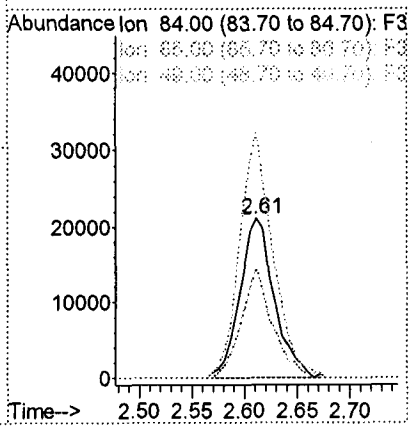
(#) = qualifier out of range (m) = manual integration

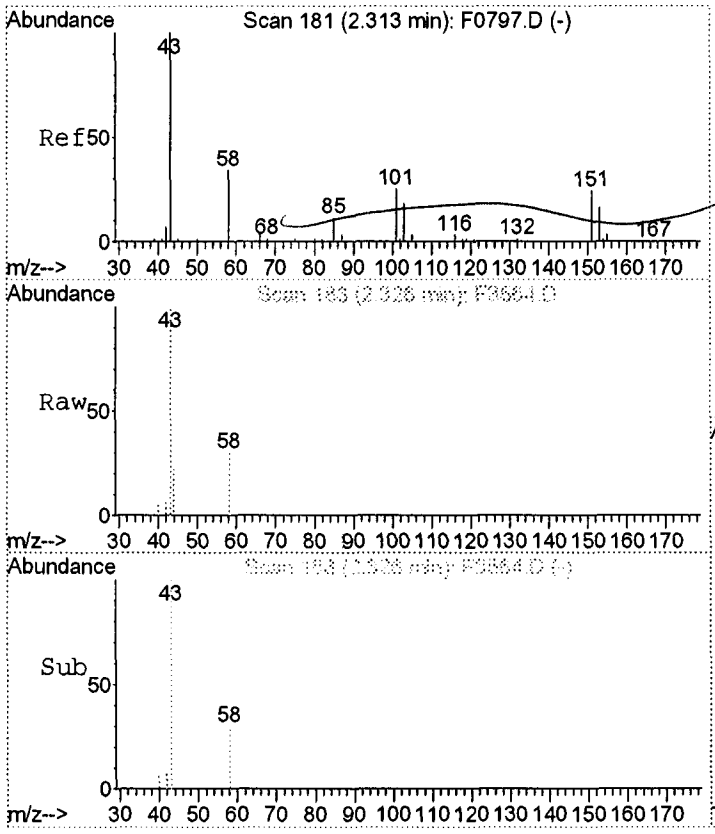


#10
C030 Methylene chloride
Concen: 22.29 ng
RT: 2.61 min Scan# 230
Delta R.T. 0.01 min
Lab File: F3564.D
Acq: 5 Aug 2008 3:09

Tgt Ion: 84 Resp: 47879

Ion	Ratio	Lower	Upper
84	100		
86	68.8	40.0	100.0
49	152.2	95.0	155.0

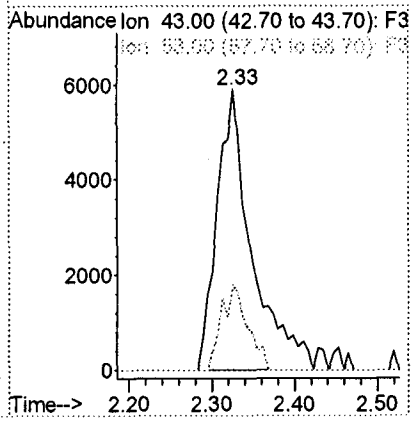




#14
C035 Acetone
Concen: 84.50 ng
RT: 2.33 min Scan# 183
Delta R.T. 0.01 min
Lab File: F3564.D
Acq: 5 Aug 2008 3:09

Tgt Ion: 43 Resp: 17522

Ion	Ratio	Lower	Upper
43	100		
58	30.3	3.0	63.0



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-4 (6-6.8)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918804

Sample wt/vol: 5.22 (g/mL) G Lab File ID: F3618.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2008 07/30/2008

% Moisture: not dec. 4 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	18	J
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	1	J
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-4 (6-6.8)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918804

Sample wt/vol: 5.22 (g/mL) G Lab File ID: F3618.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2008 07/30/2008

% Moisture: not dec. 4 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

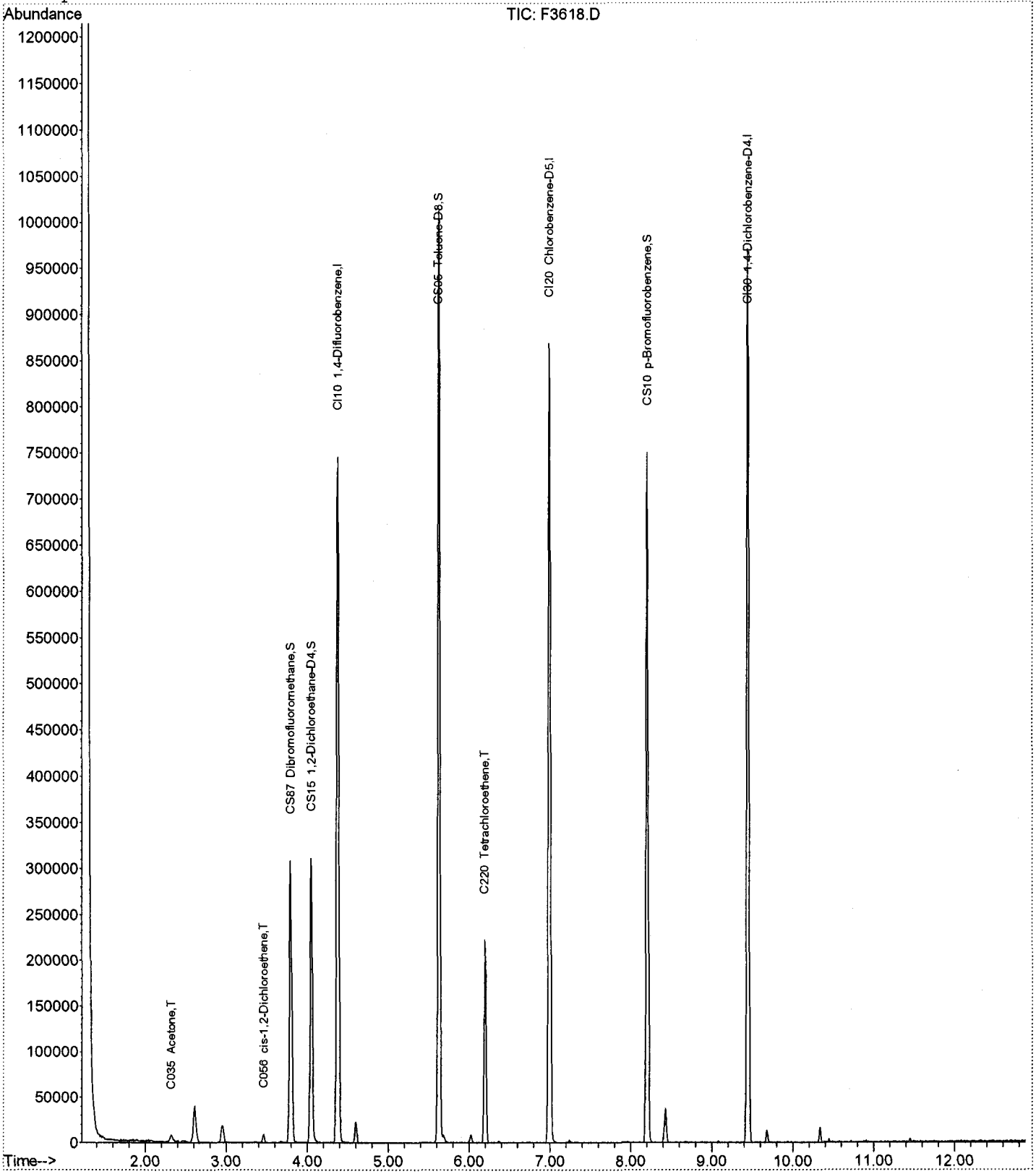
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	20	
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	15	U

Data File : H:\GCMS_VOA\TEMP\F3618.D
Acq On : 6 Aug 2008 13:01
Sample : A8918804
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 17:24 2008

Vial: 8
Operator: LH/DHC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 11 11:21:10 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3618.D
Acq On : 6 Aug 2008 13:01
Sample : A8918804
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 06 17:24:38 2008

Vial: 8
Operator: LH/DHC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 17:21:54 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080608\F3611.D (6 Aug 2008 9:50)

2/26/09 CRL

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	577735	250.00	ng	0.00 97.97%
43) CI20	Chlorobenzene-D5	6.99	82	287415	250.00	ng	0.00 96.13%
63) CI30	1,4-Dichlorobenzene-	9.44	152	256837	250.00	ng	0.00 89.67%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.79	111	187285	290.88	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	116.35%	
32) CS15	1,2-Dichloroethane-D	4.05	65	246898	286.10	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	114.44%	
44) CS05	Toluene-D8	5.62	98	715899	284.50	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	113.80%	
62) CS10	p-Bromofluorobenzene	8.20	174	219116	256.08	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	102.43%	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	23107	Below Cal		91
11) C040	Carbon disulfide	2.47	76	5131	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.33	43	16373	92.93	ng	81
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	3.46	96	4039	5.58	ng	81
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	3.67	83	961	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

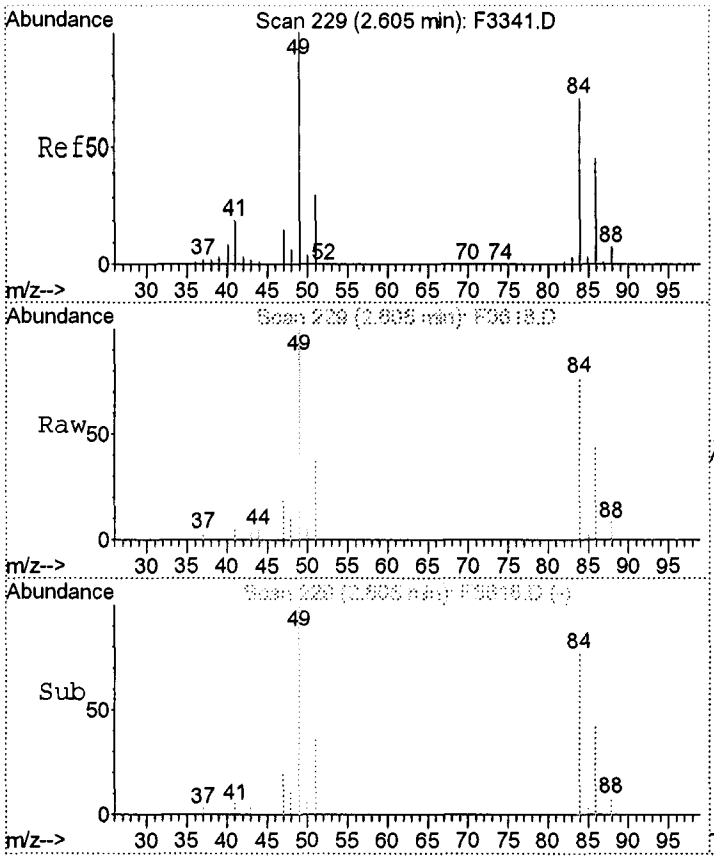
(#) = qualifier out of range (m) = manual integration

Data File : H:\GCMS_VOA\TEMP\F3618.D Vial: 8
Acq On : 6 Aug 2008 13:01 Operator: LH/DHC
Sample : A8918804 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 06 17:24:38 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 17:21:54 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	4.11	78	892	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	3.46	43	1253	N.D.	
36)	C150	Trichloroethene	4.60	95	8924	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.69	92	3411	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.62	43	3078	N.D.	
50)	C220	Tetrachloroethene	6.19	166	72155	100.12 ng	94
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	0.00	43	0	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.13	91	693	N.D.	
58)	C246	m,p-Xylene	7.24	106	770	N.D.	
59)	C247	o-Xylene	7.64	106	129	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	8.69	91	130	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.57	105	306	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	1080	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	1080	N.D.	
76)	C260	1,3-Dichlorobenzene	9.47	146	2798	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.47	146	2798	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	10.34	75	137	N.D.	
82)	C313	1,2,4-Trichlorobenze	11.26	180	134	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	3664	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

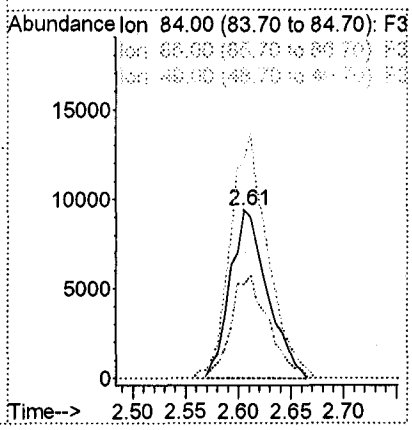
(#) = qualifier out of range (m) = manual integration

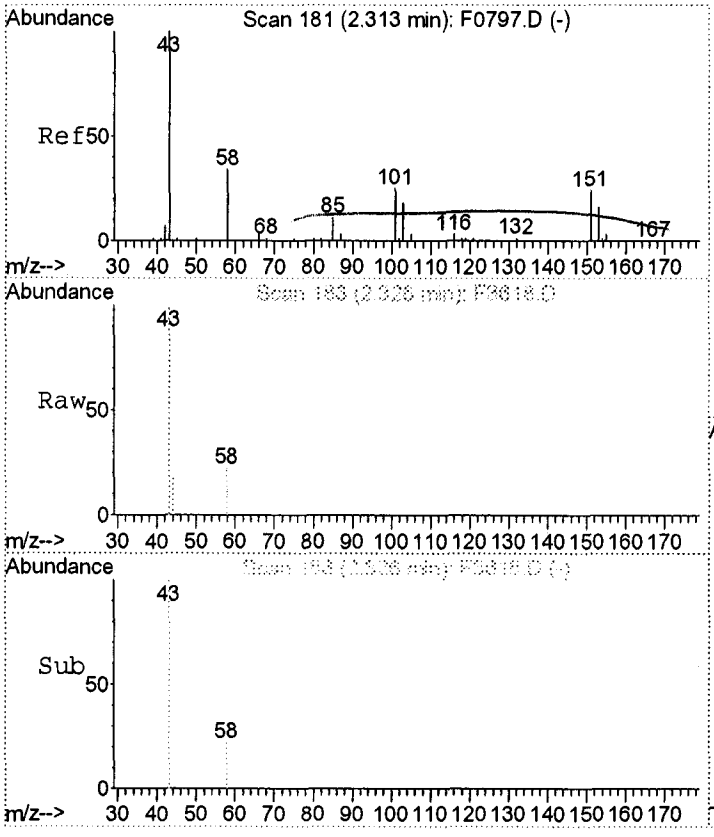


#10
C030 Methylene chloride
Concen: Below Cal
RT: 2.61 min Scan# 229
Delta R.T. -0.01 min
Lab File: F3618.D
Acq: 6 Aug 2008 13:01

Tgt Ion: 84 Resp: 23107

Ion	Ratio	Lower	Upper
84	100		
86	55.5	40.0	100.0
49	129.2	95.0	155.0

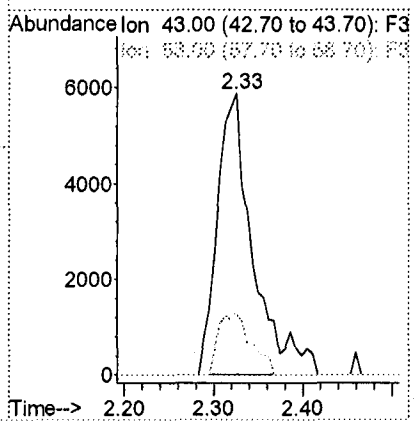


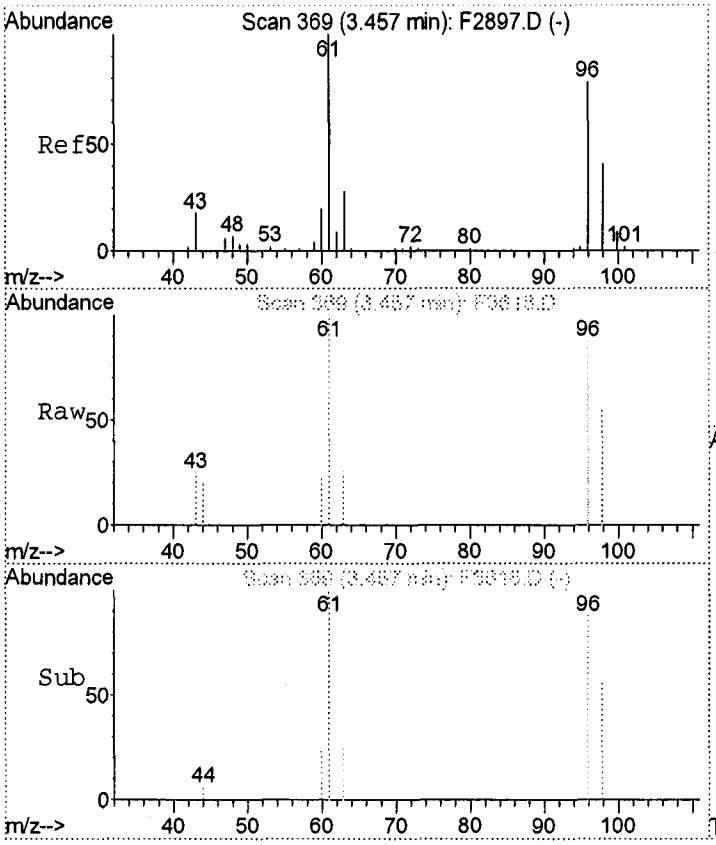


#14
C035 Acetone
Concen: 92.93 ng
RT: 2.33 min Scan# 183
Delta R.T. 0.01 min
Lab File: F3618.D
Acq: 6 Aug 2008 13:01

Tgt Ion: 43 Resp: 16373

Ion	Ratio	Lower	Upper
43	100		
58	22.2	3.0	63.0

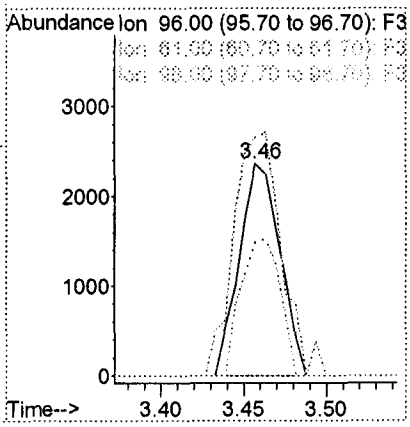


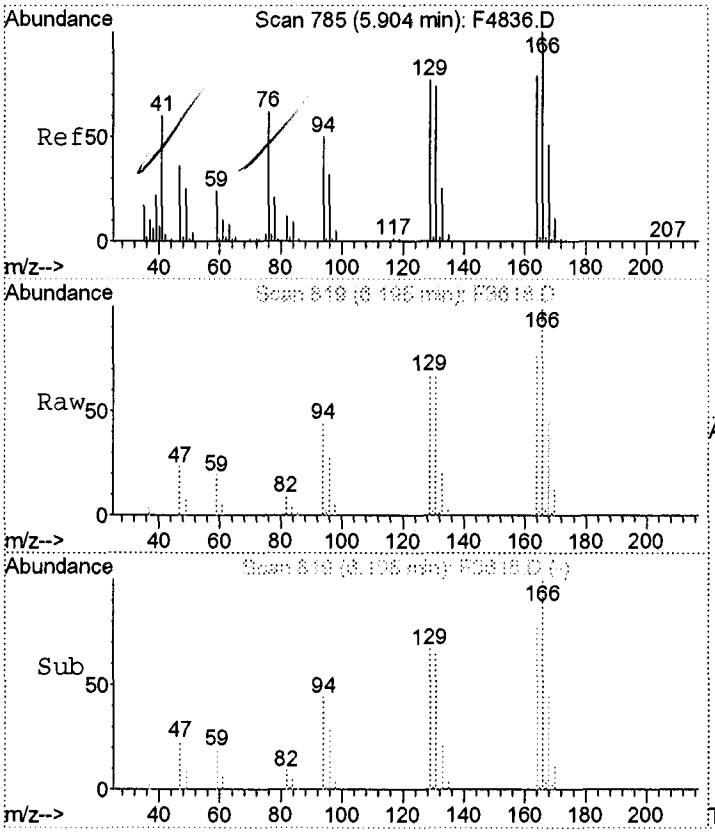


#23
C056 cis-1,2-Dichloroethene
Concen: 5.58 ng
RT: 3.46 min Scan# 369
Delta R.T. -0.01 min
Lab File: F3618.D
Acq: 6 Aug 2008 13:01

Tgt Ion: 96 Resp: 4039

Ion	Ratio	Lower	Upper
96	100		
61	112.0	111.4	171.4
98	63.3	28.3	88.3

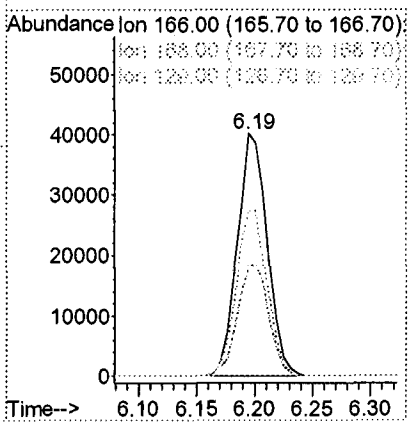




#50
C220 Tetrachloroethene
Concen: 100.12 ng
RT: 6.19 min Scan# 819
Delta R.T. -0.01 min
Lab File: F3618.D
Acq: 6 Aug 2008 13:01

Tgt Ion:166 Resp: 72155

Ion	Ratio	Lower	Upper
166	100		
168	45.4	21.4	81.4
129	67.3	34.7	94.7



Standards

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000572-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Intrument ID: HP5973F Calibration Dates(s): 08/01/2008 08/01/2008

Heated Purge (Y/N): Y Calibration Times: 20:10 21:53

GC Column: ZB-624 ID: 0.20(mm)

Lab File ID: RRF5 = F3508.RR RRF20 = F3509.RR
RRF50 = F3510.RR RRF100 = F3511.RR RRF200 = F3512.RR

COMPOUND		RRF5	RRF20	RRF50	RRF100	RRF200	AVG RRF	% RSD	
Chloromethane	#	0.293	0.280	0.287	0.271	0.269	0.2800	3.600	#
Bromomethane		0.138	0.144	0.142	0.140	0.136	0.1400	2.300	
Vinyl chloride	*	0.246	0.255	0.255	0.239	0.235	0.2460	3.600	*
Chloroethane		0.136	0.128	0.126	0.120	0.119	0.1260	5.600	
Methylene chloride		0.652	0.386	0.342	0.313	0.296	0.3980	36.700	
Acetone		0.085	0.071	0.079	0.068	0.078	0.0760	8.800	
Carbon Disulfide		0.665	0.636	0.693	0.642	0.646	0.6560	3.500	
1,1-Dichloroethene	*	0.191	0.174	0.194	0.171	0.176	0.1810	5.800	*
1,1-Dichloroethane	#	0.518	0.556	0.522	0.497	0.468	0.5120	6.300	#
cis-1,2-Dichloroethene		0.323	0.336	0.316	0.303	0.288	0.3130	5.900	
trans-1,2-Dichloroethene		0.295	0.309	0.295	0.281	0.265	0.2890	5.800	
Chloroform	*	0.531	0.535	0.511	0.496	0.482	0.5110	4.400	*
1,2-Dichloroethane		0.466	0.464	0.452	0.440	0.438	0.4520	2.900	
2-Butanone		0.150	0.147	0.148	0.138	0.147	0.1460	3.100	
1,1,1-Trichloroethane		0.427	0.482	0.464	0.452	0.440	0.4530	4.700	
Carbon Tetrachloride		0.350	0.366	0.372	0.366	0.355	0.3620	2.400	
Bromodichloromethane		0.353	0.370	0.376	0.370	0.377	0.3690	2.600	
1,2-Dichloropropane	*	0.292	0.295	0.294	0.281	0.267	0.2860	4.200	*
cis-1,3-Dichloropropene		0.430	0.467	0.459	0.448	0.450	0.4510	3.100	
Trichloroethene		0.318	0.305	0.298	0.291	0.278	0.2980	5.100	
Dibromochloromethane		0.482	0.536	0.541	0.553	0.582	0.5390	6.800	
1,1,2-Trichloroethane		0.397	0.421	0.393	0.389	0.396	0.3990	3.100	
Benzene		1.139	1.156	1.092	1.039	0.971	1.0790	7.000	
trans-1,3-Dichloropropene		0.793	0.893	0.866	0.865	0.877	0.8590	4.500	
Bromoform	#	0.257	0.332	0.355	0.370	0.403	0.3430	16.000	#
4-Methyl-2-pentanone		0.634	0.629	0.618	0.573	0.584	0.6080	4.500	
2-Hexanone		0.437	0.454	0.446	0.417	0.435	0.4380	3.200	
Tetrachloroethene		0.655	0.685	0.632	0.599	0.563	0.6270	7.600	
1,1,2,2-Tetrachloroethane	#	0.643	0.678	0.665	0.645	0.649	0.6560	2.300	#
Toluene	*	1.835	1.599	1.470	1.394	1.332	1.5260	13.100	*
Chlorobenzene	#	1.696	1.667	1.546	1.496	1.451	1.5710	6.800	#
Ethylbenzene	*	2.999	3.037	2.755	2.664	2.478	2.7870	8.400	*
Styrene		1.638	1.775	1.651	1.565	1.472	1.6200	6.900	
Total Xylenes		1.073	1.094	1.000	0.945	0.883	0.9990	8.800	
1,1,2-Trichloro-1,2,2-trifl		0.187	0.173	0.193	0.182	0.180	0.1830	4.200	
1,2,4-Trichlorobenzene		1.160	1.148	1.093	1.026	0.958	1.0770	7.900	
1,2-Dibromo-3-chloropropane		0.114	0.131	0.144	0.141	0.162	0.1380	12.700	

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000572-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Intrument ID: HP5973F_____ Calibration Dates(s): 08/01/2008 08/01/2008

Heated Purge (Y/N): Y Calibration Times: 20:10 21:53

GC Column: ZB-624 ID: 0.20(mm)

Lab File ID: RRF5 = F3508.RR RRF20 = F3509.RR
RRF50 = F3510.RR RRF100 = F3511.RR RRF200 = F3512.RR

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	AVG RRF	% RSD
1,2-Dibromoethane	0.496	0.510	0.504	0.493	0.509	0.5020	1.500
1,2-Dichlorobenzene	1.392	1.361	1.300	1.219	1.143	1.2830	8.000
1,3-Dichlorobenzene	1.398	1.432	1.366	1.306	1.231	1.3470	5.900
1,4-Dichlorobenzene	1.548	1.465	1.373	1.325	1.244	1.3910	8.500
Cyclohexane	0.554	0.520	0.503	0.497	0.467	0.5080	6.200
Dichlorodifluoromethane	0.231	0.227	0.225	0.211	0.208	0.2200	4.600
Methyl acetate	0.480	0.448	0.463	0.443	0.471	0.4610	3.400
Trichlorofluoromethane	0.325	0.333	0.339	0.323	0.315	0.3270	2.900
Methyl-t-Butyl Ether (MTBE)	0.878	0.848	0.863	0.824	0.847	0.8520	2.400
Isopropylbenzene	2.835	2.920	2.728	2.621	2.439	2.7090	6.900
Methylcyclohexane	0.496	0.487	0.466	0.452	0.421	0.4640	6.400
Toluene-D8	2.001	2.252	2.463	2.229	2.000	2.1890	8.900
p-Bromofluorobenzene	0.791	0.734	0.801	0.726	0.670	0.7440	7.200
1,2-Dichloroethane-D4	0.355	0.386	0.390	0.373	0.363	0.3730	4.000

Comments:

Response Factor Report HP5973F

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:31:21 2008
Response via : Initial Calibration

8260 Soil
A8I..0572

Calibration Files
1 =F3508.D 2 =F3509.D 3 =F3510.D
4 =F3511.D 5 =F3512.D

			Compound	1	2	3	4	5	Avg	%RSD
1)	I	CI10	1,4-Difluoroben	ISTD						
2)	T	C290	Dichlorodifluor	0.231	0.227	0.225	0.211	0.208	0.220	4.60
3)	T	C010	Chloromethane	0.292	0.280	0.287	0.271	0.269	0.280	3.62
4)	T	C020	Vinyl chloride	0.245	0.255	0.255	0.239	0.235	0.246	3.66
5)	T	C015	Bromomethane	0.138	0.144	0.142	0.140	0.136	0.140	2.29
6)	T	C025	Chloroethane	0.136	0.128	0.126	0.120	0.119	0.126	5.62
7)	T	C275	Trichlorofluoro	0.325	0.333	0.339	0.323	0.315	0.327	2.88
8)	T	C291	1,1,2-Trichloro	0.187	0.173	0.193	0.182	0.180	0.183	4.16
9)	T	C045	1,1-Dichloroeth	0.191	0.174	0.194	0.171	0.176	0.181	5.85
10)	T	C030	Methylene chlor	0.652	0.386	0.342	0.313	0.296	-----	
								L M=	0.286	R^2=0.999
								B=	0.047	
11)	T	C040	Carbon disulfid	0.665	0.636	0.692	0.642	0.646	0.656	3.51
12)	T	C036	Acrolein	0.028	0.029	0.030	0.028	0.030	0.029	3.30
13)	T	C038	Acrylonitrile	0.119	0.115	0.115	0.109	0.115	0.115	3.02
14)	T	C035	Acetone	0.085	0.071	0.079	0.068	0.078	0.076	8.81
15)	T	C300	Acetonitrile	0.034	0.033	0.034	0.032	0.035	0.033	3.58
16)	T	C276	Iodomethane	0.366	0.364	0.356	0.358	0.352	0.359	1.64
17)	T	C255	Methyl Acetate	0.480	0.448	0.462	0.443	0.471	0.461	3.36
18)	T	C962	T-butyl Methyl	0.878	0.848	0.863	0.824	0.847	0.852	2.37
19)	T	C057	trans-1,2-Dichl	0.295	0.309	0.295	0.281	0.265	0.289	5.80
20)	T	C050	1,1-Dichloroeth	0.518	0.556	0.522	0.497	0.468	0.512	6.34
21)	T	C125	Vinyl Acetate	0.522	0.519	0.514	0.487	0.445	0.497	6.46
22)	T	C051	2,2-Dichloropro	0.448	0.453	0.435	0.420	0.412	0.433	4.06
23)	T	C056	cis-1,2-Dichlor	0.323	0.336	0.316	0.303	0.288	0.313	5.87
24)	T	C272	Tetrahydrofuran	0.095	0.094	0.096	0.090	0.095	0.094	2.59
25)	T	C222	Bromochlorometh	0.150	0.158	0.155	0.147	0.147	0.151	3.28
26)	T	C060	Chloroform	0.531	0.535	0.511	0.496	0.482	0.511	4.45
27)	S	CS87	Dibromofluorome	0.256	0.279	0.301	0.286	0.271	0.279	6.01
28)	T	C256	Cyclohexane	0.554	0.520	0.503	0.497	0.467	0.508	6.26
29)	T	C115	1,1,1-Trichloro	0.427	0.482	0.464	0.452	0.440	0.453	4.69
30)	T	C120	Carbon tetrachl	0.350	0.366	0.372	0.366	0.355	0.362	2.40
31)	T	C116	1,1-Dichloropro	0.382	0.393	0.379	0.364	0.345	0.373	5.02
32)	S	CS15	1,2-Dichloroeth	0.355	0.386	0.390	0.373	0.363	0.373	3.99
33)	T	C165	Benzene	1.139	1.156	1.091	1.039	0.971	1.079	7.04
34)	T	C065	1,2-Dichloroeth	0.466	0.464	0.452	0.440	0.438	0.452	2.88
35)	T	C110	2-Butanone	0.150	0.147	0.148	0.138	0.147	0.146	3.11
36)	T	C150	Trichloroethene	0.318	0.305	0.298	0.291	0.278	0.298	5.10
37)	T	C161	2-Chloroethylvi	0.178	0.177	0.173	0.165	0.161	0.171	4.28
38)	T	C012	Methylcyclohexa	0.496	0.487	0.466	0.452	0.421	0.464	6.42
39)	T	C140	1,2-Dichloropro	0.291	0.295	0.294	0.281	0.267	0.286	4.21
40)	T	C278	Dibromomethane	0.160	0.174	0.176	0.170	0.173	0.171	3.70
41)	T	C130	Bromodichlorome	0.353	0.370	0.376	0.369	0.377	0.369	2.60
42)	T	C145	cis-1,3-Dichlor	0.430	0.467	0.459	0.448	0.450	0.451	3.08
43)	I	CI20	Chlorobenzene-D	ISTD						
44)	S	CS05	Toluene-D8	2.001	2.252	2.463	2.229	2.000	2.189	8.91
45)	T	C230	Toluene	1.835	1.599	1.469	1.394	1.331	1.526	13.08
46)	T	C170	trans-1,3-Dichl	0.793	0.893	0.866	0.865	0.877	0.859	4.48
47)	T	C284	Ethyl Methacryl	0.674	0.746	0.737	0.739	0.760	0.731	4.57
48)	T	C160	1,1,2-Trichloro	0.397	0.421	0.393	0.389	0.396	0.399	3.13

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

Response Factor Report HP5973F

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:31:21 2008
Response via : Initial Calibration

Calibration Files
1 =F3508.D 2 =F3509.D 3 =F3510.D
4 =F3511.D 5 =F3512.D

		Compound		1	2	3	4	5	Avg	%RSD
49)	T	C210	4-Methyl-2-pent	0.634	0.629	0.618	0.573	0.584	0.608	4.53
50)	T	C220	Tetrachloroethe	0.655	0.685	0.632	0.599	0.563	0.627	7.56
51)	T	C221	1,3-Dichloropro	0.909	0.896	0.862	0.822	0.823	0.862	4.66
52)	T	C155	Dibromochlorome	0.482	0.536	0.541	0.553	0.582	0.539	6.77
53)	T	C163	1,2-Dibromoetha	0.496	0.510	0.504	0.493	0.509	0.502	1.54
54)	T	C215	2-Hexanone	0.437	0.454	0.446	0.417	0.435	0.438	3.17
55)	T	C235	Chlorobenzene	1.696	1.667	1.546	1.496	1.451	1.571	6.78
56)	T	C281	1,1,1,2-Tetrach	0.551	0.570	0.549	0.544	0.546	0.552	1.87
57)	T	C240	Ethylbenzene	2.999	3.037	2.755	2.664	2.478	2.787	8.40
58)	T	C246	m,p-Xylene	1.095	1.082	1.003	0.933	0.862	0.995	9.92
59)	T	C247	o-Xylene	1.073	1.094	1.000	0.945	0.883	0.999	8.80
60)	T	C245	Styrene	1.638	1.775	1.651	1.564	1.472	1.620	6.91
61)	T	C180	Bromoform	0.257	0.332	0.355	0.370	0.403	-----	
								L	M= 0.408	R^2=0.998
									B= -0.041	
62)	S	CS10	p-Bromofluorobe	0.791	0.733	0.801	0.726	0.670	0.744	7.16
63)	I	CI30	1,4-Dichloroben	----------			ISTD	----------		
64)	T	C966	Isopropylbenzen	2.835	2.920	2.728	2.621	2.439	2.709	6.95
65)	T	C301	Bromobenzene	0.721	0.740	0.715	0.686	0.655	0.703	4.70
66)	T	C225	1,1,2,2-Tetrach	0.643	0.678	0.665	0.645	0.649	0.656	2.32
67)	T	C282	1,2,3-Trichloro	0.206	0.225	0.210	0.203	0.210	0.211	3.96
68)	T	C283	t-1,4-Dichloro-	0.226	0.243	0.239	0.235	0.236	0.236	2.68
69)	T	C302	n-Propylbenzene	3.555	3.683	3.463	3.310	3.040	3.410	7.25
70)	T	C303	O 2-Chlorotolue	0.690	0.724	0.686	0.666	0.632	0.680	4.94
71)	T	C289	P 4-Chlorotolue	0.739	0.748	0.694	0.666	0.625	0.694	7.42
72)	T	C304	1,3,5-Trimethyl	2.455	2.514	2.375	2.264	2.094	2.340	7.12
73)	T	C306	tert-Butylbenze	0.516	0.555	0.528	0.501	0.468	0.514	6.30
74)	T	C307	1,2,4-Trimethyl	2.495	2.559	2.428	2.334	2.185	2.400	6.10
75)	T	C308	sec-Butylbenzen	2.916	2.990	2.843	2.734	2.505	2.798	6.76
76)	T	C260	1,3-Dichloroben	1.398	1.432	1.366	1.306	1.231	1.347	5.92
77)	T	C309	p-Cymene (4-Iso	2.703	2.809	2.680	2.540	2.329	2.612	7.08
78)	T	C267	1,4-Dichloroben	1.548	1.465	1.373	1.325	1.244	1.391	8.54
79)	T	C249	1,2-Dichloroben	1.392	1.361	1.300	1.219	1.143	1.283	7.98
80)	T	C310	n-Butylbenzene	2.583	2.621	2.542	2.377	2.133	2.451	8.19
81)	T	C286	1,2-Dibromo-3-C	0.114	0.131	0.144	0.141	0.162	0.138	12.69
82)	T	C313	1,2,4-Trichloro	1.160	1.148	1.093	1.025	0.958	1.077	7.90
83)	T	C316	Hexachlorobutad	0.667	0.632	0.599	0.559	0.528	0.597	9.32
84)	T	C314	Naphthalene	2.717	2.538	2.541	2.389	2.352	2.507	5.79
85)	T	C934	1,2,3-Trichloro	1.108	1.072	1.039	0.982	0.926	1.025	7.08

Total Average %RSD 5.39

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

Date: 08/01/2008
Time: 22:43:24

ICC Profile

ICC Profile Code: A00168 8260/5ML (30% RSD CCC/15% OTHER/ CCV 20% CCC)
Fraction: MV

No of Points: 5 Default Min. RRF: 0.0000
CCC Conc: 250.00

QC Approver: TRB
QC Date: 04/10/2008

Comments:

			ng On Column				
Seq		Parameter	Point 1	Point 2	Point 3	Point 4	Point 5
10	74-87-3	Chloromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
20	74-83-9	Bromomethane	25.0000	100.0000	250.0000	500.0000	1000.0000
30	75-01-4	Vinyl chloride	25.0000	100.0000	250.0000	500.0000	1000.0000
35	74-97-5	Bromochloromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
40	75-00-3	Chloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
50	75-09-2	Methylene chloride	25.0000	100.0000	250.0000	500.0000	1000.0000
55	637-92-3	Ethyl-t-butyl ether (ETBE)	25.0000	100.0000	250.0000	500.0000	1000.0000
56	994-05-8	tert-Amyl Methyl Ether (TAME)	25.0000	100.0000	250.0000	500.0000	1000.0000
60	67-64-1	Acetone	125.0000	500.0000	1250.0000	2500.0000	5000.0000
70	75-15-0	Carbon Disulfide	25.0000	100.0000	250.0000	500.0000	1000.0000
80	75-35-4	1,1-Dichloroethene	25.0000	100.0000	250.0000	500.0000	1000.0000
90	75-34-3	1,1-Dichloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
97	544-10-5	1-Chlorohexane	25.0000	100.0000	250.0000	500.0000	1000.0000
98	156-59-2	cis-1,2-Dichloroethene	25.0000	100.0000	250.0000	500.0000	1000.0000
99	156-60-5	trans-1,2-Dichloroethene	25.0000	100.0000	250.0000	500.0000	1000.0000
100	545-06-2	Trichloroacetonitrile	25.0000	0.0000	0.0000	0.0000	0.0000
101	540-59-0	1,2-Dichloroethene (Total)	50.0000	200.0000	500.0000	1000.0000	2000.0000
102	77-73-6	Dicyclopentadiene	25.0000	100.0000	250.0000	500.0000	1000.0000
103	526-73-8	1,2,3-Trimethylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
105	106-99-0	1,3-Butadiene	25.0000	100.0000	250.0000	500.0000	1000.0000
108	104-76-7	2-Ethyl-1-hexanol	50.0000	500.0000	1250.0000	2500.0000	5000.0000
110	67-66-3	Chloroform	25.0000	100.0000	250.0000	500.0000	1000.0000
115	67-63-0	2-Propanol	500.0000	2000.0000	5000.0000	10000.0000	20000.0000
120	107-06-2	1,2-Dichloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
130	78-93-3	2-Butanone	125.0000	500.0000	1250.0000	2500.0000	5000.0000
140	71-55-6	1,1,1-Trichloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
150	56-23-5	Carbon Tetrachloride	25.0000	100.0000	250.0000	500.0000	1000.0000
151	628-63-7	n-Amyl Acetate	25.0000	100.0000	250.0000	500.0000	1000.0000
152	110-43-0	Methyl amyl ketone (2-Heptanon	25.0000	100.0000	250.0000	500.0000	1000.0000
160	108-05-4	Vinyl acetate	125.0000	500.0000	1250.0000	2500.0000	5000.0000
170	75-27-4	Bromodichloromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
180	78-87-5	1,2-Dichloropropane	25.0000	100.0000	250.0000	500.0000	1000.0000
190	10061-01-5	cis-1,3-Dichloropropene	25.0000	100.0000	250.0000	500.0000	1000.0000
200	79-01-6	Trichloroethene	25.0000	100.0000	250.0000	500.0000	1000.0000
210	124-48-1	Dibromochloromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
220	79-00-5	1,1,2-Trichloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
230	71-43-2	Benzene	25.0000	100.0000	250.0000	500.0000	1000.0000
240	10061-02-6	trans-1,3-Dichloropropene	25.0000	100.0000	250.0000	500.0000	1000.0000
250	75-25-2	Bromoform	25.0000	100.0000	250.0000	500.0000	1000.0000
260	108-10-1	4-Methyl-2-pentanone	125.0000	500.0000	1250.0000	2500.0000	5000.0000
270	591-78-6	2-Hexanone	125.0000	500.0000	1250.0000	2500.0000	5000.0000
280	127-18-4	Tetrachloroethene	25.0000	100.0000	250.0000	500.0000	1000.0000
290	79-34-5	1,1,2,2-Tetrachloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
300	108-88-3	Toluene	25.0000	100.0000	250.0000	500.0000	1000.0000
310	108-90-7	Chlorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
320	100-41-4	Ethylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
330	100-42-5	Styrene	25.0000	100.0000	250.0000	500.0000	1000.0000

ICC Profile Code: A00168 8260/5ML (30% RSD CCC/15% OTHER/ CCV 20% CCC) (continued)

Seq		Parameter	ng On Column Point 1	Point 2	Point 3	Point 4	Point 5
340	1330-20-7	Total Xylenes	75.0000	300.0000	750.0000	1500.0000	3000.0000
350	2037-26-5	Toluene-D8	25.0000	100.0000	250.0000	500.0000	1000.0000
360	460-00-4	p-Bromofluorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
380	630-20-6	1,1,1,2-Tetrachloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
390	76-13-1	1,1,2-Trichloro-1,2,2-trifluor	25.0000	100.0000	250.0000	500.0000	1000.0000
400	563-58-6	1,1-Dichloropropene	25.0000	100.0000	250.0000	500.0000	1000.0000
410	534-15-6	1,1-Dimethoxyethane	125.0000	500.0000	1250.0000	2500.0000	5000.0000
420	87-61-6	1,2,3-Trichlorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
430	96-18-4	1,2,3-Trichloropropane	25.0000	100.0000	250.0000	500.0000	1000.0000
440	120-82-1	1,2,4-Trichlorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
450	95-63-6	1,2,4-Trimethylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
460	12/14DCLB	1,2-& 1,4-Dichlorobenzene	25.0000	0.0000	0.0000	0.0000	0.0000
470	96-12-8	1,2-Dibromo-3-chloropropane	25.0000	100.0000	250.0000	500.0000	1000.0000
480	106-93-4	1,2-Dibromoethane	25.0000	100.0000	250.0000	500.0000	1000.0000
490	95-50-1	1,2-Dichlorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
500	108-67-8	1,3,5-Trimethylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
510	541-73-1	1,3-Dichlorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
520	142-28-9	1,3-Dichloropropane	25.0000	100.0000	250.0000	500.0000	1000.0000
530	106-46-7	1,4-Dichlorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
540	110-56-5	1,4-Dichlorobutane	25.0000	100.0000	250.0000	500.0000	1000.0000
550	123-91-1	1,4-Dioxane	1000.0000	4000.0000	10000.0000	20000.0000	40000.0000
560	540-36-3	1,4-Difluorobenzene	250.0000	250.0000	250.0000	250.0000	250.0000
570	594-20-7	2,2-Dichloropropane	25.0000	100.0000	250.0000	500.0000	1000.0000
580	110-75-8	2-Chloroethylvinyl ether	125.0000	500.0000	1250.0000	2500.0000	5000.0000
590	95-49-8	o-Chlorotoluene	25.0000	100.0000	250.0000	500.0000	1000.0000
600	591-76-4	2-Methyl hexane	25.0000	100.0000	250.0000	500.0000	1000.0000
610	497-26-7	2-Methyl-1,3-Dioxolane	25.0000	100.0000	250.0000	500.0000	1000.0000
620	78-83-1	Isobutanol	1000.0000	4000.0000	10000.0000	20000.0000	40000.0000
630	534-22-5	2-Methylfuran	25.0000	100.0000	250.0000	500.0000	1000.0000
640	88-16-4	o-Monochlorobenzotrifluoride	25.0000	100.0000	250.0000	500.0000	1000.0000
650	79-46-9	2-Nitropropane	125.0000	500.0000	1250.0000	2500.0000	5000.0000
660	109-06-8	2-Picoline	25.0000	0.0000	0.0000	0.0000	0.0000
670	107-05-1	3-Chloropropene (Allyl Chlor.)	25.0000	100.0000	250.0000	500.0000	1000.0000
680	589-34-4	3-Methyl hexane	25.0000	100.0000	250.0000	500.0000	1000.0000
690	96-14-0	3-Methyl pentane	25.0000	100.0000	250.0000	500.0000	1000.0000
700	98-15-7	m-Monochlorobenzotrifluoride	25.0000	100.0000	250.0000	500.0000	1000.0000
710	99-87-6	p-Cymene	25.0000	100.0000	250.0000	500.0000	1000.0000
720	98-56-6	p-Monochlorobenzotrifluoride	25.0000	100.0000	250.0000	500.0000	1000.0000
730	75-05-8	Acetonitrile	1000.0000	4000.0000	10000.0000	20000.0000	40000.0000
740	107-02-8	Acrolein	500.0000	2000.0000	5000.0000	10000.0000	20000.0000
750	107-13-1	Acrylonitrile	125.0000	500.0000	1250.0000	2500.0000	5000.0000
770	108-86-1	Bromobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
790	71-36-3	n-Butyl alcohol	1000.0000	4000.0000	10000.0000	20000.0000	40000.0000
800	3114-55-4	Chlorobenzene-D5	250.0000	250.0000	250.0000	250.0000	250.0000
810	126-99-8	2-Chloro-1,3-butadiene	25.0000	100.0000	250.0000	500.0000	1000.0000
820	80-15-9	Cumene Hydroperoxide	25.0000	100.0000	250.0000	500.0000	1000.0000
830	110-82-7	Cyclohexane	25.0000	100.0000	250.0000	500.0000	1000.0000
840	108-94-1	Cyclohexanone	250.0000	1000.0000	2500.0000	5000.0000	10000.0000
850	74-95-3	Dibromomethane	25.0000	100.0000	250.0000	500.0000	1000.0000
860	75-71-8	Dichlorodifluoromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
870	75-43-4	Dichlorofluoromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
880	106-89-8	Epichlorohydrin	125.0000	500.0000	1250.0000	2500.0000	5000.0000

Date: 08/01/2008 ICC Profile Page: 3
Time: 22:43:24 Rept: AN0287R

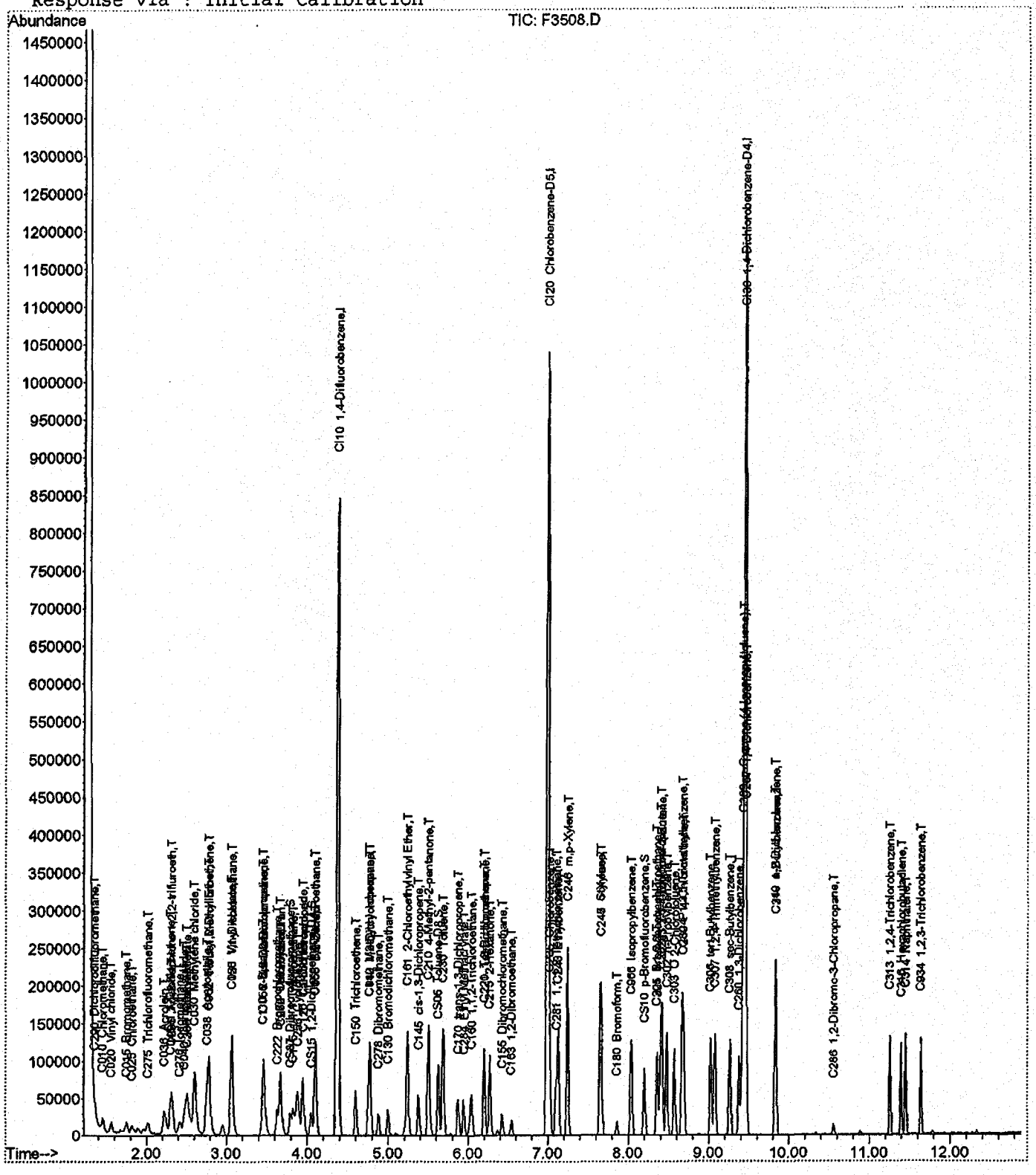
ICC Profile Code: A00168 8260/5ML (30% RSD CCC/15% OTHER/ CCV 20% CCC) (continued)

Seq		Parameter	ng On Column Point 1	Point 2	Point 3	Point 4	Point 5
890	64-17-5	Ethanol	25.0000	100.0000	250.0000	500.0000	1000.0000
900	141-78-6	Ethyl acetate	25.0000	100.0000	250.0000	500.0000	1000.0000
901	126-98-7	Methacrylonitrile	25.0000	100.0000	250.0000	500.0000	1000.0000
902	79-20-9	Methyl acetate	25.0000	100.0000	250.0000	500.0000	1000.0000
903	96-37-7	Methyl cyclopentane	25.0000	100.0000	250.0000	500.0000	1000.0000
904	74-88-4	Iodomethane	25.0000	100.0000	250.0000	500.0000	1000.0000
905	80-62-6	Methyl methacrylate	25.0000	100.0000	250.0000	500.0000	1000.0000
906	91-20-3	Naphthalene	25.0000	100.0000	250.0000	500.0000	1000.0000
907	95-47-6	o-Xylene	25.0000	100.0000	250.0000	500.0000	1000.0000
908	76-01-7	Pentachloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
909	107-12-0	Propionitrile	250.0000	1000.0000	2500.0000	5000.0000	10000.0000
910	140-88-5	Ethyl acrylate	25.0000	100.0000	250.0000	500.0000	1000.0000
911	75-56-9	Propylene Oxide	125.0000	500.0000	1250.0000	2500.0000	5000.0000
912	110-86-1	Pyridine	25.0000	0.0000	0.0000	0.0000	0.0000
913	109-99-9	Tetrahydrofuran	125.0000	500.0000	1250.0000	2500.0000	5000.0000
914	110-01-0	Tetrahydrothiophene	25.0000	100.0000	250.0000	500.0000	1000.0000
915	75-69-4	Trichlorofluoromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
917	108-41-8	m-Chlorotoluene	25.0000	100.0000	250.0000	500.0000	1000.0000
918	123-86-4	n-Butyl acetate	25.0000	100.0000	250.0000	500.0000	1000.0000
919	104-51-8	n-Butylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
920	60-29-7	Ethyl ether	25.0000	100.0000	250.0000	500.0000	1000.0000
921	142-82-5	Heptane	25.0000	100.0000	250.0000	500.0000	1000.0000
922	110-54-3	Hexane	25.0000	100.0000	250.0000	500.0000	1000.0000
923	109-60-4	n-Propyl acetate	25.0000	100.0000	250.0000	500.0000	1000.0000
924	103-65-1	n-Propylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
925	O,M CLTOL	o,m-Chlorotoluene	25.0000	0.0000	0.0000	0.0000	0.0000
926	106-43-4	p-Chlorotoluene	25.0000	100.0000	250.0000	500.0000	1000.0000
927	135-98-8	sec-Butylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
928	75-65-0	tert-Butyl Alcohol (TBA)	500.0000	2000.0000	5000.0000	10000.0000	20000.0000
929	1634-04-4	Methyl-t-Butyl Ether (MTBE)	25.0000	100.0000	250.0000	500.0000	1000.0000
930	97-63-2	Ethyl methacrylate	25.0000	100.0000	250.0000	500.0000	1000.0000
931	98-06-6	tert-Butylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
933	110-57-6	trans-1,4-Dichloro-2-butene	125.0000	500.0000	1250.0000	2500.0000	5000.0000
934	108-38-3	m-Xylene	25.0000	100.0000	250.0000	500.0000	1000.0000
935	106-42-3	p-Xylene	25.0000	100.0000	250.0000	500.0000	1000.0000
940	87-68-3	Hexachlorobutadiene	25.0000	100.0000	250.0000	500.0000	1000.0000
950	110-19-0	Isobutyl acetate	25.0000	100.0000	250.0000	500.0000	1000.0000
960	108-20-3	Isopropyl Ether (DIPE)	25.0000	100.0000	250.0000	500.0000	1000.0000
970	108-21-4	Isopropyl acetate	25.0000	100.0000	250.0000	500.0000	1000.0000
980	98-82-8	Isopropylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
985	67-72-1	Hexachloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
990	M/P XYLENE	m/p-Xylenes	50.0000	200.0000	500.0000	1000.0000	2000.0000
991	108-87-2	Methylcyclohexane	25.0000	100.0000	250.0000	500.0000	1000.0000
994	75-45-6	Chlorodifluoromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
995	542-88-1	Bis(Chloromethyl) Ether (TIC)	25.0000	100.0000	250.0000	500.0000	1000.0000
996	363-72-4	Pentafluorobenzene	250.0000	250.0000	250.0000	250.0000	250.0000
997	SU106-46-7	1,4-Dichlorobenzene-D4	250.0000	250.0000	250.0000	250.0000	250.0000
998	SURRDFM	Dibromofluoromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
999	SU107-06-2	1,2-Dichloroethane-D4	25.0000	100.0000	250.0000	500.0000	1000.0000
***			25.0000	100.0000	250.0000	500.0000	1000.0000
***	108-70-3	1,3,5-Trichlorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\080108\F3508.D Vial: 2
Acq On : 1 Aug 2008 20:10 Operator: CDC
Sample : VSTD005 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 1 22:27 2008 Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3508.D Vial: 2
Acq On : 1 Aug 2008 20:10 Operator: CDC
Sample : VSTD005 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 01 22:26:23 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080108\F3510.D (1 Aug 2008 21:02)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	715824	250.00	ng		0.00
								103.18%
43) CI20	Chlorobenzene-D5	6.99	82	353332	250.00	ng		0.00
								101.72%
63) CI30	1,4-Dichlorobenzene-	9.44	152	332649	250.00	ng		0.00
								102.14%
System Monitoring Compounds								
27) CS87	Dibromofluoromethane	3.79	111	18333	22.98	ng		0.00
Spiked Amount	250.000	Range	70 - 130	Recovery =	9.19%#			
32) CS15	1,2-Dichloroethane-D	4.05	65	25415	23.77	ng		0.00
Spiked Amount	250.000	Range	64 - 126	Recovery =	9.51%#			
44) CS05	Toluene-D8	5.63	98	70687	22.85	ng		0.00
Spiked Amount	250.000	Range	71 - 125	Recovery =	9.14%#			
62) CS10	p-Bromofluorobenzene	8.20	174	27954	26.57	ng		0.00
Spiked Amount	250.000	Range	72 - 126	Recovery =	10.63%#			
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.36	85	16502	26.15	ng		95
3) C010	Chloromethane	1.45	50	20935	26.12	ng		93
4) C020	Vinyl chloride	1.56	62	17573	24.95	ng		90
5) C015	Bromomethane	1.75	94	9867	24.58	ng		97
6) C025	Chloroethane	1.81	64	9763	27.14	ng		84
7) C275	Trichlorofluorometha	2.02	101	23266m	24.85	ng		77
8) C291	1,1,2-Trichloro-1,2,	2.32	101	13408	25.62	ng		96
9) C045	1,1-Dichloroethene	2.30	96	13673	26.33	ng		92
10) C030	Methylene chloride	2.60	84	46653	40.98	ng		87
11) C040	Carbon disulfide	2.47	76	47625	25.34	ng		95
12) C036	Acrolein	2.23	56	40250	482.16	ng		95
13) C038	Acrylonitrile	2.75	53	42529	129.56	ng		99
14) C035	Acetone	2.31	43	30394	139.23	ng		83
15) C300	Acetonitrile	2.50	41	95945	1004.93	ng		100
16) C276	Iodomethane	2.42	142	26219	25.50	ng		95
17) C255	Methyl Acetate	2.51	43	34355	26.03	ng	#	87
18) C962	T-butyl Methyl Ether	2.78	73	62840	25.76	ng		91
19) C057	trans-1,2-Dichloroet	2.78	96	21147	25.55	ng		89
20) C050	1,1-Dichloroethane	3.06	63	37061	25.28	ng		97
21) C125	Vinyl Acetate	3.07	43	186654	131.09	ng		98
22) C051	2,2-Dichloropropane	3.46	77	32035	25.81	ng		97
23) C056	cis-1,2-Dichloroethe	3.46	96	23140	25.80	ng		99
24) C272	Tetrahydrofuran	3.67	42	33944	126.14	ng		91
25) C222	Bromochloromethane	3.63	128	10722	24.73	ng		94
26) C060	Chloroform	3.68	83	38025	25.99	ng		95
28) C256	Cyclohexane	3.88	56	39628	27.23	ng	#	100
29) C115	1,1,1-Trichloroethan	3.83	97	30539	23.55	ng		98
30) C120	Carbon tetrachloride	3.96	117	25075	24.21	ng		97
31) C116	1,1-Dichloropropene	3.95	75	27360	25.64	ng		92

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3508.D Vial: 2
Acq On : 1 Aug 2008 20:10 Operator: CDC
Sample : VSTD005 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 01 22:26:23 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.10	78	81506	26.38	ng		95
34)	C065	1,2-Dichloroethane	4.10	62	33326	25.75	ng		89
35)	C110	2-Butanone	3.44	43	53771	128.62	ng		82
36)	C150	Trichloroethene	4.60	95	22792	26.73	ng		93
37)	C161	2-Chloroethylvinyl E	5.24	63	63584	129.93	ng		86
38)	C012	Methylcyclohexane	4.77	83	35489	26.70	ng		86
39)	C140	1,2-Dichloropropane	4.78	63	20864	25.50	ng		100
40)	C278	Dibromomethane	4.88	93	11453	23.43	ng		99
41)	C130	Bromodichloromethane	5.00	83	25280	23.91	ng		97
42)	C145	cis-1,3-Dichloroprop	5.38	75	30783	23.85	ng		99
45)	C230	Toluene	5.68	92	64840	30.07	ng		91
46)	C170	trans-1,3-Dichloropr	5.87	75	28017	23.08	ng		95
47)	C284	Ethyl Methacrylate	5.95	69	23802	23.03	ng		93
48)	C160	1,1,2-Trichloroethan	6.04	83	14042	24.88	ng		90
49)	C210	4-Methyl-2-pentanone	5.50	43	112054	130.48	ng		92
50)	C220	Tetrachloroethene	6.20	166	23149	26.13	ng		96
51)	C221	1,3-Dichloropropane	6.21	76	32104	26.34	ng		88
52)	C155	Dibromochloromethane	6.43	129	17032	22.36	ng		94
53)	C163	1,2-Dibromoethane	6.54	107	17527	24.68	ng		94
54)	C215	2-Hexanone	6.27	43	77167	124.72	ng		92
55)	C235	Chlorobenzene	7.03	112	59910	26.98	ng		96
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	19461	24.95	ng		85
57)	C240	Ethylbenzene	7.13	91	105949	26.90	ng		96
58)	C246	m,p-Xylene	7.25	106	77361	55.01	ng		92
59)	C247	o-Xylene	7.65	106	37927	26.86	ng	#	78
60)	C245	Styrene	7.67	104	57889	25.28	ng		98
61)	C180	Bromoform	7.86	173	9071	18.70	ng		64
64)	C966	Isopropylbenzene	8.04	105	94310	26.17	ng		99
65)	C301	Bromobenzene	8.37	156	23969	25.62	ng		95
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	21401	24.52	ng		98
67)	C282	1,2,3-Trichloropropa	8.40	110	6861	24.47	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	37583	119.78	ng		92
69)	C302	n-Propylbenzene	8.48	91	118248	26.06	ng		92
70)	C303	O 2-Chlorotoluene	8.57	126	22958	25.38	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	24589	26.62	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	81662	26.23	ng		79
73)	C306	tert-Butylbenzene	9.02	134	17174	25.12	ng	#	90
74)	C307	1,2,4-Trimethylbenze	9.08	105	83003	25.99	ng		88
75)	C308	sec-Butylbenzene	9.26	105	96984	26.05	ng		93
76)	C260	1,3-Dichlorobenzene	9.38	146	46517	25.96	ng		99
77)	C309	p-Cymene (4-Isopropy	9.42	119	89919	25.87	ng		97
78)	C267	1,4-Dichlorobenzene	9.47	146	51491	27.82	ng		93
79)	C249	1,2-Dichlorobenzene	9.84	146	46310	27.12	ng		95
80)	C310	n-Butylbenzene	9.83	91	85930	26.34	ng		96
81)	C286	1,2-Dibromo-3-Chloro	10.55	75	3799	20.65	ng		84
82)	C313	1,2,4-Trichlorobenze	11.26	180	38578	26.93	ng		96
83)	C316	Hexachlorobutadiene	11.40	225	22204	27.94	ng		90
84)	C314	Naphthalene	11.45	128	90394	27.09	ng		94
85)	C934	1,2,3-Trichlorobenze	11.64	180	36853	27.01	ng		95

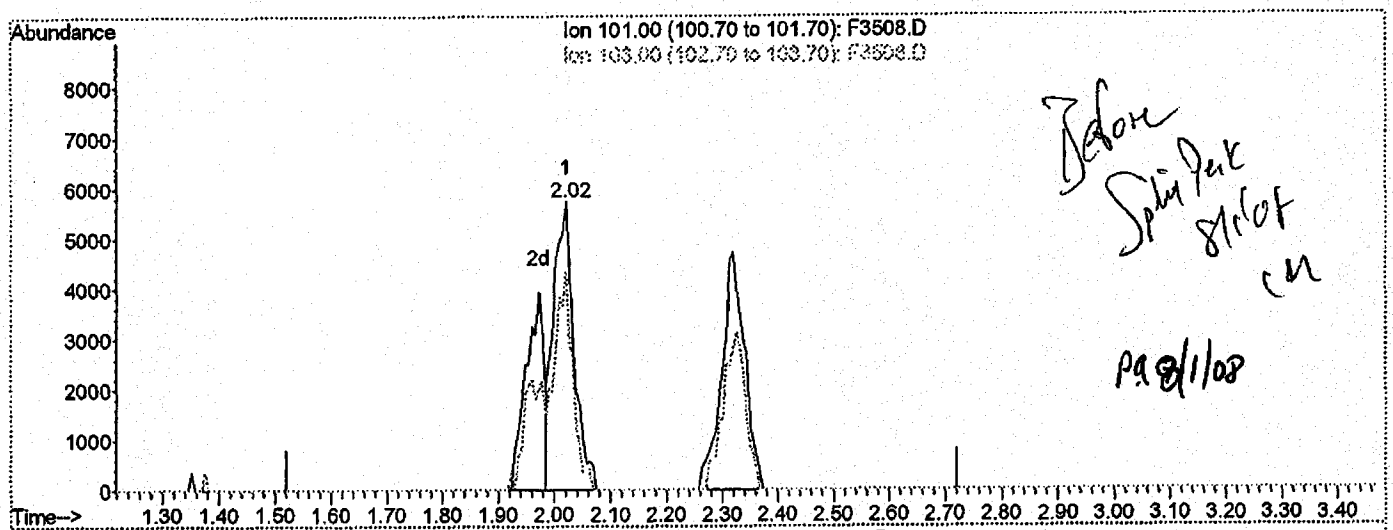
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\080108\F3508.D
Acq On : 1 Aug 2008 20:10
Sample : VSTD005
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 1 22:26 2008

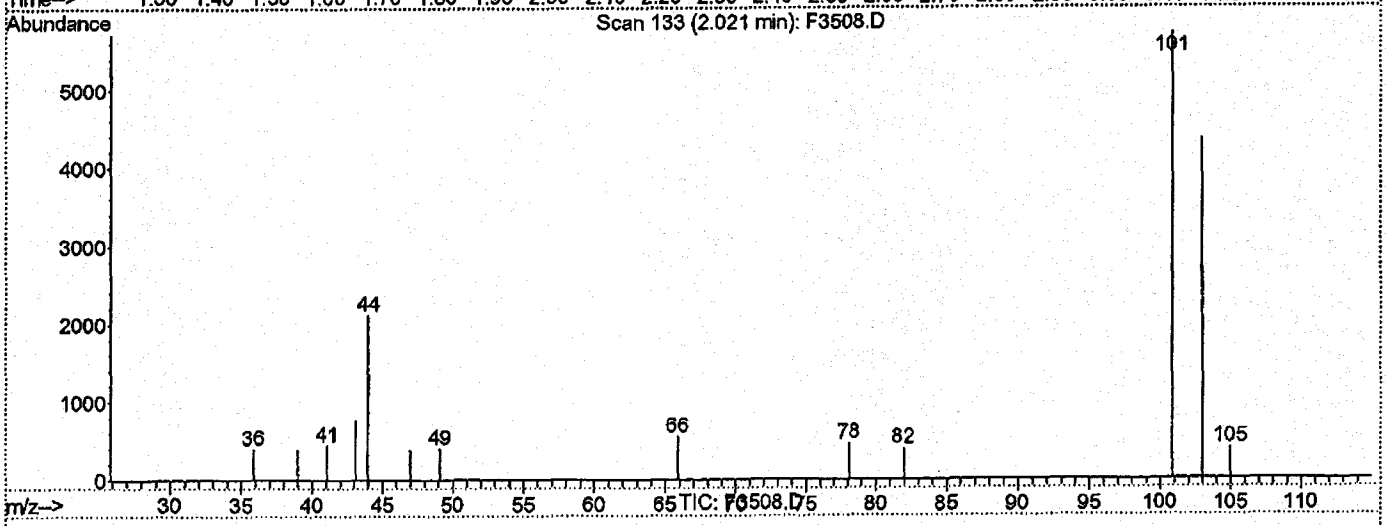
Vial: 2
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Multiple Level Calibration



Below Spike Pair 8/1/08 CM

PA 8/1/08



(7) C275 Trichlorofluoromethane (T)

2.02min 15.40ng

response 14418

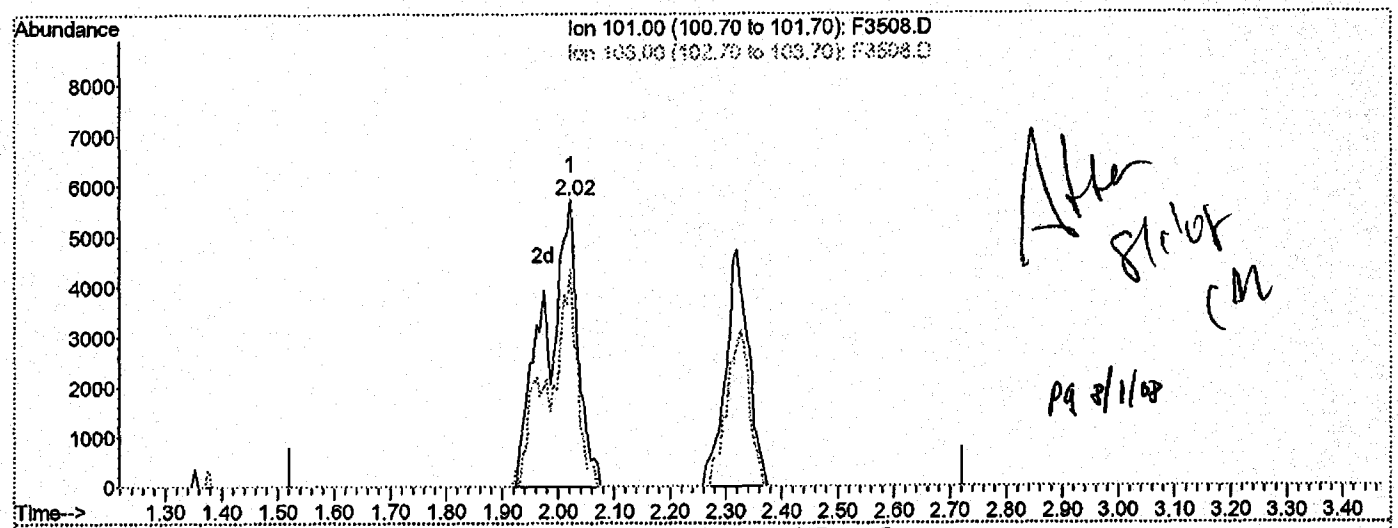
Ion	Exp%	Act%
101.00	100	100
103.00	58.90	75.90
0.00	0.00	0.00
0.00	0.00	0.00

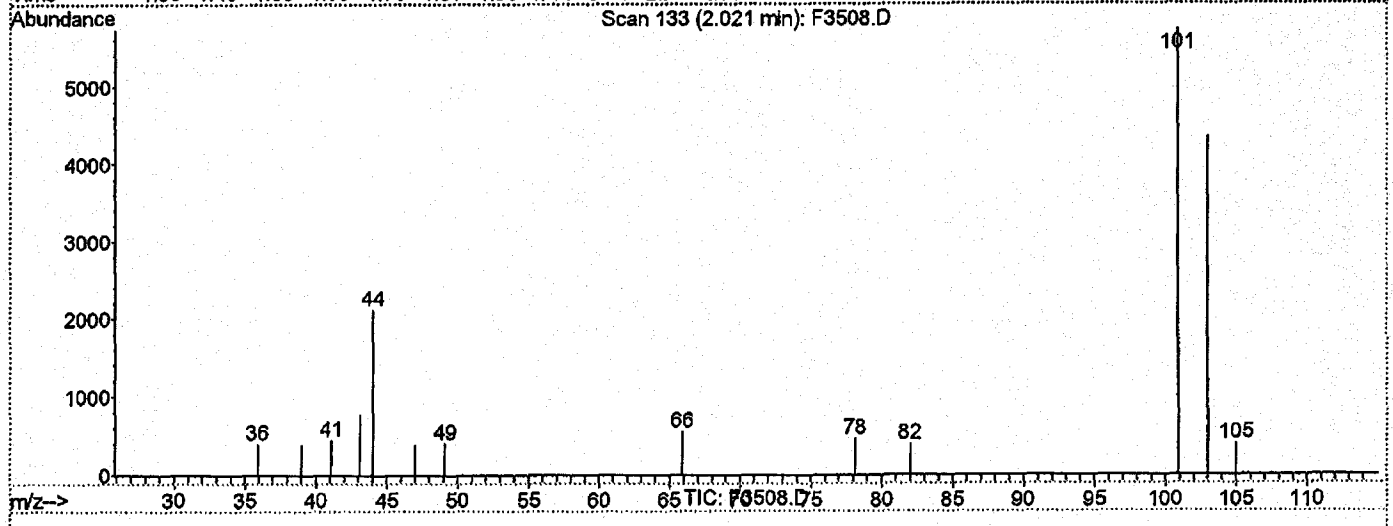
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\080108\F3508.D
Acq On : 1 Aug 2008 20:10
Sample : VSTD005
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 1 22:27 2008

Vial: 2
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

2.02min 24.85ng m

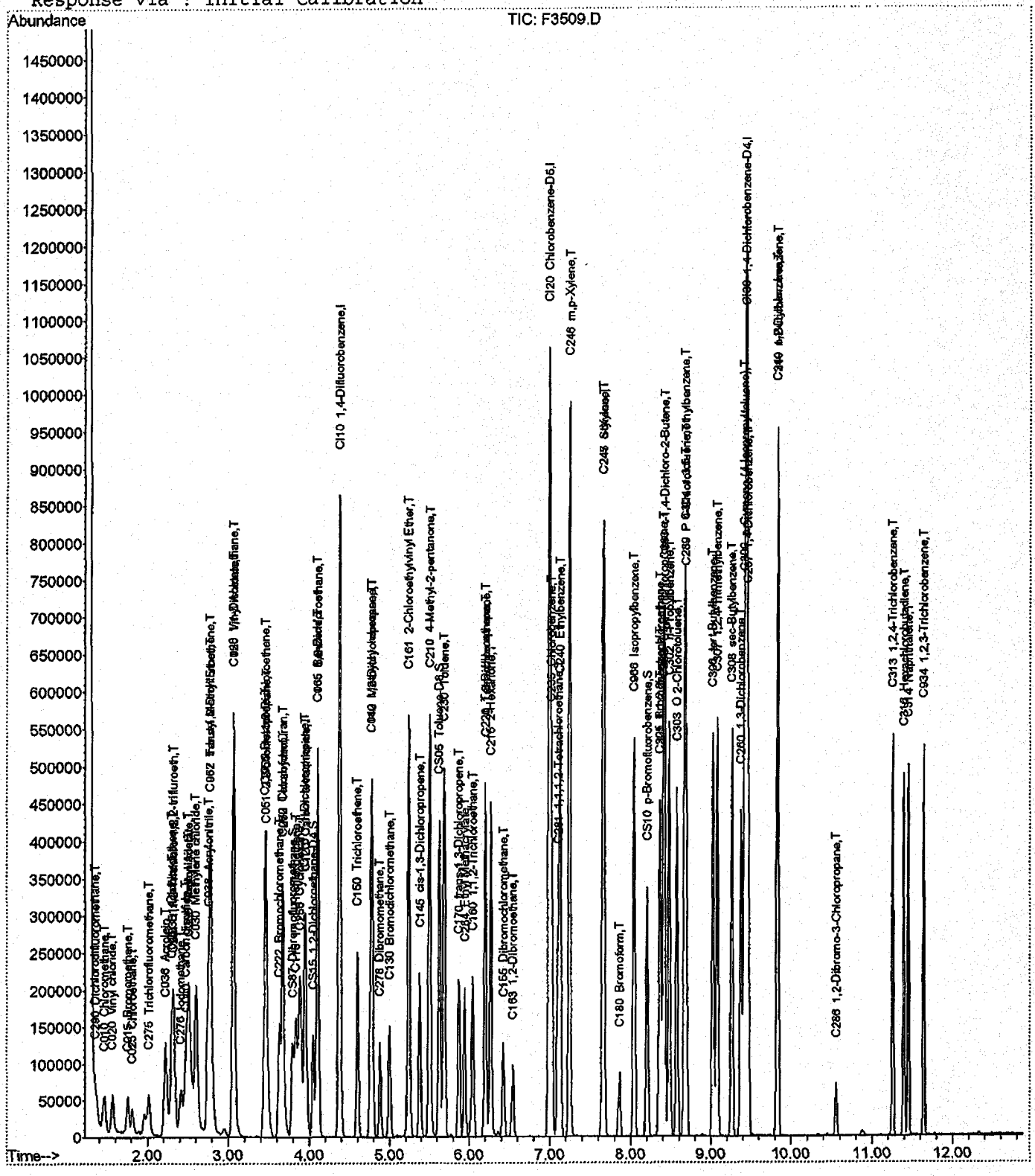
response 23266

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	75.90
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\080108\F3509.D Vial: 3
Acq On : 1 Aug 2008 20:36 Operator: CDC
Sample : VSTD020 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 1 22:26 2008 Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3509.D Vial: 3
Acq On : 1 Aug 2008 20:36 Operator: CDC
Sample : VSTD020 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 01 22:26:34 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080108\F3510.D (1 Aug 2008 21:02)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.37	114	707797	250.00	ng		0.00 102.02%
43) CI20	Chlorobenzene-D5	6.99	82	344348	250.00	ng		0.00 99.14%
63) CI30	1,4-Dichlorobenzene-	9.44	152	328407	250.00	ng		0.00 100.84%
System Monitoring Compounds								
27) CS87	Dibromofluoromethane	3.79	111	79035	100.20	ng		0.00
Spiked Amount	250.000	Range	70 - 130	Recovery =	40.08%#			
32) CS15	1,2-Dichloroethane-D	4.05	65	109359	103.44	ng		0.00
Spiked Amount	250.000	Range	64 - 126	Recovery =	41.38%#			
44) CS05	Toluene-D8	5.62	98	310134	102.87	ng		0.00
Spiked Amount	250.000	Range	71 - 125	Recovery =	41.15%#			
62) CS10	p-Bromofluorobenzene	8.20	174	101026	98.55	ng		0.00
Spiked Amount	250.000	Range	72 - 126	Recovery =	39.42%#			
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.35	85	64220	102.94	ng		90
3) C010	Chloromethane	1.46	50	79265	100.00	ng		91
4) C020	Vinyl chloride	1.56	62	72212	103.70	ng		94
5) C015	Bromomethane	1.75	94	40851	102.93	ng		100
6) C025	Chloroethane	1.81	64	36142	101.61	ng		96
7) C275	Trichlorofluorometha	2.02	101	94377	101.94	ng		82
8) C291	1,1,2-Trichloro-1,2,	2.33	101	48842	94.39	ng		95
9) C045	1,1-Dichloroethene	2.30	96	49151	95.73	ng	#	74
10) C030	Methylene chloride	2.60	84	109234	97.04	ng		84
11) C040	Carbon disulfide	2.47	76	179944	96.84	ng		98
12) C036	Acrolein	2.22	56	165145	2000.74	ng		99
13) C038	Acrylonitrile	2.75	53	162495	500.64	ng		99
14) C035	Acetone	2.31	43	100359	464.94	ng		92
15) C300	Acetonitrile	2.50	41	368575	3904.25	ng		100
16) C276	Iodomethane	2.42	142	102960	101.28	ng		92
17) C255	Methyl Acetate	2.51	43	126932	97.27	ng		91
18) C962	T-butyl Methyl Ether	2.78	73	240131	99.55	ng		89
19) C057	trans-1,2-Dichloroet	2.78	96	87533	106.94	ng		93
20) C050	1,1-Dichloroethane	3.06	63	157428	108.59	ng		95
21) C125	Vinyl Acetate	3.06	43	734626	521.80	ng		98
22) C051	2,2-Dichloropropane	3.47	77	128279	104.53	ng		98
23) C056	cis-1,2-Dichloroethe	3.46	96	95002	107.14	ng		98
24) C272	Tetrahydrofuran	3.66	42	132648	498.55	ng		98
25) C222	Bromochloromethane	3.63	128	44812	104.55	ng		98
26) C060	Chloroform	3.68	83	151570	104.76	ng		96
28) C256	Cyclohexane	3.88	56	147298	102.37	ng	#	100
29) C115	1,1,1-Trichloroethan	3.83	97	136363	106.35	ng		98
30) C120	Carbon tetrachloride	3.96	117	103483	101.05	ng		98
31) C116	1,1-Dichloropropene	3.94	75	111378	105.55	ng		92

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3509.D
Acq On : 1 Aug 2008 20:36
Sample : VSTD020
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 01 22:26:34 2008

Vial: 3
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA

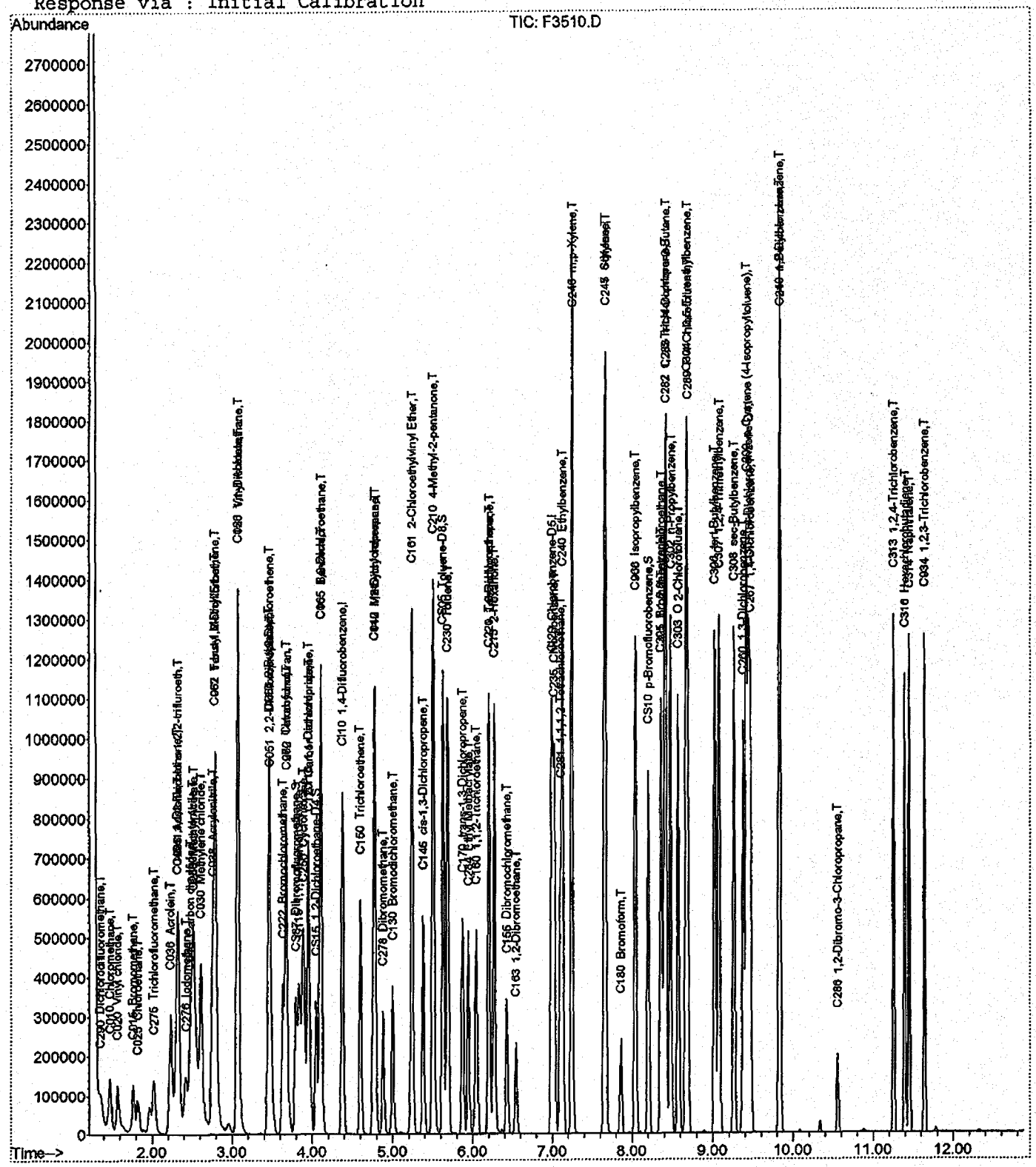
	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.10	78	327379	107.15	ng		95
34)	C065	1,2-Dichloroethane	4.10	62	131426	102.70	ng		90
35)	C110	2-Butanone	3.45	43	207738	502.54	ng		84
36)	C150	Trichloroethene	4.59	95	86217	102.25	ng		96
37)	C161	2-Chloroethylvinyl E	5.23	63	250545	517.80	ng		80
38)	C012	Methylcyclohexane	4.77	83	137804	104.85	ng	#	78
39)	C140	1,2-Dichloropropane	4.78	63	83507	103.23	ng		100
40)	C278	Dibromomethane	4.88	93	49169	101.75	ng		99
41)	C130	Bromodichloromethane	5.00	83	104859	100.31	ng		98
42)	C145	cis-1,3-Dichloroprop	5.38	75	132257	103.62	ng		93
45)	C230	Toluene	5.68	92	220192	104.78	ng		88
46)	C170	trans-1,3-Dichloropr	5.87	75	123020	104.00	ng		97
47)	C284	Ethyl Methacrylate	5.95	69	102710	101.98	ng		94
48)	C160	1,1,2-Trichloroethan	6.04	83	57975	105.40	ng		90
49)	C210	4-Methyl-2-pentanone	5.50	43	433309	517.72	ng		92
50)	C220	Tetrachloroethene	6.19	166	94347	109.26	ng		95
51)	C221	1,3-Dichloropropane	6.21	76	123435	103.92	ng		93
52)	C155	Dibromochloromethane	6.43	129	73856	99.49	ng		90
53)	C163	1,2-Dibromoethane	6.54	107	70282	101.55	ng		92
54)	C215	2-Hexanone	6.27	43	312543	518.34	ng		94
55)	C235	Chlorobenzene	7.02	112	229554	106.08	ng		95
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	78496	103.24	ng		98
57)	C240	Ethylbenzene	7.13	91	418368	109.00	ng		99
58)	C246	m,p-Xylene	7.25	106	297979	217.43	ng		85
59)	C247	o-Xylene	7.65	106	150729	109.53	ng	#	76
60)	C245	Styrene	7.67	104	244427	109.53	ng		95
61)	C180	Bromoform	7.86	173	45766	96.78	ng		80
64)	C966	Isopropylbenzene	8.04	105	383618	107.81	ng		93
65)	C301	Bromobenzene	8.36	156	97157	105.19	ng		98
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	89107	103.39	ng		93
67)	C282	1,2,3-Trichloropropa	8.40	110	29513	106.61	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	159421	514.66	ng		93
69)	C302	n-Propylbenzene	8.48	91	483778	107.99	ng		93
70)	C303	O 2-Chlorotoluene	8.57	126	95073	106.46	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	98285	107.76	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	330221	107.42	ng		83
73)	C306	tert-Butylbenzene	9.02	134	72953	108.10	ng	#	81
74)	C307	1,2,4-Trimethylbenze	9.08	105	336107	106.60	ng		90
75)	C308	sec-Butylbenzene	9.26	105	392816	106.89	ng		93
76)	C260	1,3-Dichlorobenzene	9.38	146	188108	106.33	ng		94
77)	C309	p-Cymene (4-Isopropy	9.42	119	368943	107.52	ng		96
78)	C267	1,4-Dichlorobenzene	9.47	146	192427	105.32	ng		95
79)	C249	1,2-Dichlorobenzene	9.84	146	178843	106.09	ng		100
80)	C310	n-Butylbenzene	9.83	91	344344	106.93	ng		100
81)	C286	1,2-Dibromo-3-Chloro	10.56	75	17171	94.55	ng		95
82)	C313	1,2,4-Trichlorobenze	11.26	180	150749	106.58	ng		97
83)	C316	Hexachlorobutadiene	11.40	225	83070	105.88	ng		95
84)	C314	Naphthalene	11.45	128	333349	101.20	ng		99
85)	C934	1,2,3-Trichlorobenze	11.64	180	140878	104.59	ng		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\080108\F3510.D Vial: 4
Acq On : 1 Aug 2008 21:02 Operator: CDC
Sample : VSTD050 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 1 22:26 2008 Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3510.D
Acq On : 1 Aug 2008 21:02
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 01 22:26:43 2008

Vial: 4
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080108\F3510.D (1 Aug 2008 21:02)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	693761	250.00	ng		0.00 100.00%
43) CI20	Chlorobenzene-D5	6.99	82	347343	250.00	ng		0.00 100.00%
63) CI30	1,4-Dichlorobenzene-	9.44	152	325687	250.00	ng		0.00 100.00%
System Monitoring Compounds								
27) CS87	Dibromofluoromethane	3.80	111	208694	269.92	ng		0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	107.97%		
32) CS15	1,2-Dichloroethane-D	4.05	65	270667	261.19	ng		0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	104.48%		
44) CS05	Toluene-D8	5.62	98	855571	281.34	ng		0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	112.54%		
62) CS10	p-Bromofluorobenzene	8.20	174	278105	268.94	ng		0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	107.58%		
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.36	85	156389	255.75	ng		97
3) C010	Chloromethane	1.48	50	199364	256.62	ng		96
4) C020	Vinyl chloride	1.57	62	176798	259.02	ng		97
5) C015	Bromomethane	1.77	94	98605	253.47	ng		90
6) C025	Chloroethane	1.82	64	87088	249.80	ng		94
7) C275	Trichlorofluorometha	2.02	101	235375	259.38	ng		96
8) C291	1,1,2-Trichloro-1,2,	2.33	101	133588	263.40	ng		96
9) C045	1,1-Dichloroethene	2.31	96	134897	268.05	ng	#	69
10) C030	Methylene chloride	2.61	84	237115	214.91	ng		88
11) C040	Carbon disulfide	2.47	76	480417	263.78	ng		95
12) C036	Acrolein	2.23	56	421179	5205.85	ng		97
13) C038	Acrylonitrile	2.75	53	400071	1257.54	ng		97
14) C035	Acetone	2.32	43	275378	1301.58	ng		91
15) C300	Acetonitrile	2.50	41	949967	10266.43	ng		100
16) C276	Iodomethane	2.42	142	247029	247.92	ng		88
17) C255	Methyl Acetate	2.53	43	320857	250.85	ng		92
18) C962	T-butyl Methyl Ether	2.79	73	598792	253.25	ng		91
19) C057	trans-1,2-Dichloroet	2.79	96	204701	255.15	ng		88
20) C050	1,1-Dichloroethane	3.06	63	361900	254.67	ng		97
21) C125	Vinyl Acetate	3.07	43	1781524	1291.00	ng		98
22) C051	2,2-Dichloropropane	3.48	77	301714	250.82	ng		95
23) C056	cis-1,2-Dichloroethe	3.46	96	219293	252.32	ng		99
24) C272	Tetrahydrofuran	3.67	42	332915	1276.55	ng		97
25) C222	Bromochloromethane	3.63	128	107347	255.51	ng		89
26) C060	Chloroform	3.68	83	354354	249.88	ng		98
28) C256	Cyclohexane	3.89	56	349241	247.63	ng	#	100
29) C115	1,1,1-Trichloroethan	3.83	97	321825	256.06	ng		97
30) C120	Carbon tetrachloride	3.96	117	257941	256.96	ng		96
31) C116	1,1-Dichloropropene	3.95	75	262751	254.04	ng		91

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3510.D
Acq On : 1 Aug 2008 21:02
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 01 22:26:43 2008

Vial: 4
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA

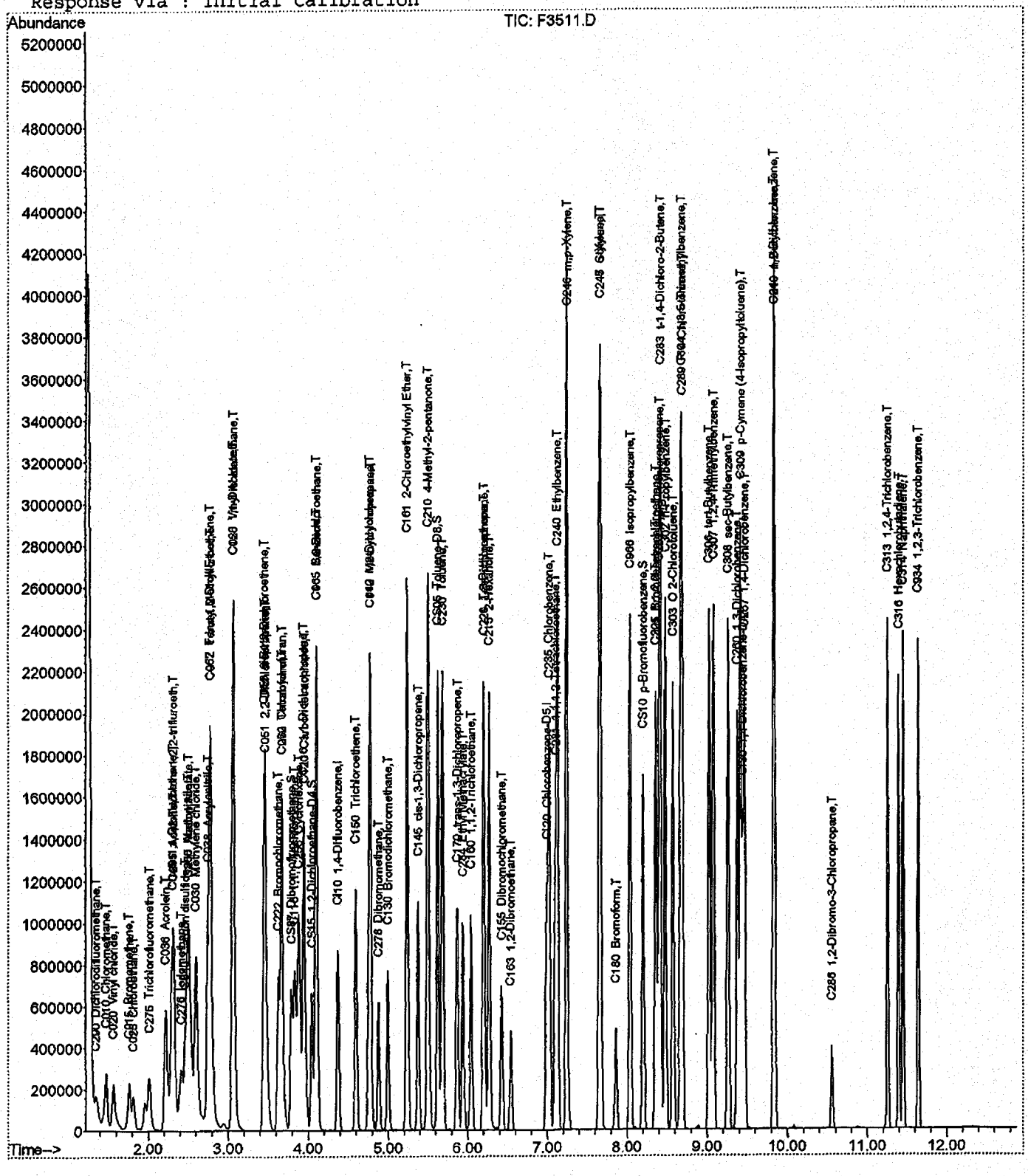
	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.11	78	757229	252.86	ng		96
34)	C065	1,2-Dichloroethane	4.11	62	313828	250.20	ng		91
35)	C110	2-Butanone	3.45	43	514029	1268.65	ng		91
36)	C150	Trichloroethene	4.60	95	206475	249.82	ng		97
37)	C161	2-Chloroethylvinyl E	5.24	63	601447	1268.15	ng		81
38)	C012	Methylcyclohexane	4.77	83	323239	250.91	ng	#	78
39)	C140	1,2-Dichloropropane	4.78	63	204167	257.48	ng		100
40)	C278	Dibromomethane	4.88	93	122191	257.97	ng		97
41)	C130	Bromodichloromethane	5.00	83	260761	254.49	ng		97
42)	C145	cis-1,3-Dichloroprop	5.38	75	318240	254.38	ng		98
45)	C230	Toluene	5.68	92	510414	240.78	ng		92
46)	C170	trans-1,3-Dichloropr	5.87	75	300917	252.19	ng		99
47)	C284	Ethyl Methacrylate	5.95	69	256094	252.08	ng		93
48)	C160	1,1,2-Trichloroethan	6.04	83	136471	245.98	ng		91
49)	C210	4-Methyl-2-pentanone	5.50	43	1072795	1270.72	ng		93
50)	C220	Tetrachloroethene	6.20	166	219390	251.89	ng		92
51)	C221	1,3-Dichloropropane	6.21	76	299420	249.90	ng		96
52)	C155	Dibromochloromethane	6.43	129	187980	251.05	ng		81
53)	C163	1,2-Dibromoethane	6.55	107	175105	250.82	ng		95
54)	C215	2-Hexanone	6.27	43	774906	1274.07	ng		91
55)	C235	Chlorobenzene	7.02	112	536874	245.97	ng		99
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	190747	248.72	ng		98
57)	C240	Ethylbenzene	7.13	91	956971	247.18	ng		99
58)	C246	m,p-Xylene	7.25	106	696687	503.99	ng		88
59)	C247	o-Xylene	7.65	106	347183	250.10	ng	#	75
60)	C245	Styrene	7.67	104	573572	254.80	ng		92
61)	C180	Bromoform	7.86	173	123304	258.51	ng		87
64)	C966	Isopropylbenzene	8.04	105	888491	251.79	ng		94
65)	C301	Bromobenzene	8.37	156	232748	254.09	ng		92
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	216706	253.55	ng		96
67)	C282	1,2,3-Trichloropropa	8.40	110	68494	249.49	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	389865	1269.12	ng		95
69)	C302	n-Propylbenzene	8.48	91	1127985	253.89	ng		96
70)	C303	O 2-Chlorotoluene	8.57	126	223578	252.45	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	225976	249.84	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	773486	253.71	ng		79
73)	C306	tert-Butylbenzene	9.02	134	171910	256.87	ng	#	86
74)	C307	1,2,4-Trimethylbenze	9.08	105	790920	252.94	ng		91
75)	C308	sec-Butylbenzene	9.26	105	925922	254.06	ng		94
76)	C260	1,3-Dichlorobenzene	9.38	146	445003	253.63	ng		97
77)	C309	p-Cymene (4-Isopropy	9.42	119	872833	256.49	ng		99
78)	C267	1,4-Dichlorobenzene	9.47	146	447025	246.71	ng		97
79)	C249	1,2-Dichlorobenzene	9.84	146	423513	253.33	ng		99
80)	C310	n-Butylbenzene	9.83	91	827919	259.24	ng		99
81)	C286	1,2-Dibromo-3-Chloro	10.56	75	46780	259.75	ng		89
82)	C313	1,2,4-Trichlorobenze	11.26	180	355990	253.78	ng		100
83)	C316	Hexachlorobutadiene	11.40	225	195110	250.76	ng		98
84)	C314	Naphthalene	11.45	128	827651	253.37	ng		99
85)	C934	1,2,3-Trichlorobenze	11.64	180	338404	253.34	ng		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\080108\F3511.D Vial: 5
Acq On : 1 Aug 2008 21:27 Operator: CDC
Sample : VSTD100 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 1 22:28 2008 Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3511.D Vial: 5
Acq On : 1 Aug 2008 21:27 Operator: CDC
Sample : VSTD100 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 01 22:26:56 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080108\F3510.D (1 Aug 2008 21:02)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.37	114	705653	250.00	ng		0.00 101.71%
43) CI20	Chlorobenzene-D5	6.99	82	351931	250.00	ng		0.00 101.32%
63) CI30	1,4-Dichlorobenzene-	9.44	152	328393	250.00	ng		0.00 100.83%
System Monitoring Compounds								
27) CS87	Dibromofluoromethane	3.79	111	403972	513.69	ng		0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	205.48%#		
32) CS15	1,2-Dichloroethane-D	4.05	65	525812	498.85	ng		0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	199.54%#		
44) CS05	Toluene-D8	5.62	98	1568739	509.12	ng		0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	203.65%#		
62) CS10	p-Bromofluorobenzene	8.20	174	511137	487.86	ng		0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	195.14%#		
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.35	85	297739	478.70	ng		100
3) C010	Chloromethane	1.47	50	382181	483.64	ng		98
4) C020	Vinyl chloride	1.57	62	337868	486.65	ng		95
5) C015	Bromomethane	1.76	94	198118	500.69	ng		86
6) C025	Chloroethane	1.81	64	169757	478.71	ng		96
7) C275	Trichlorofluorometha	2.01	101	455390m	493.38	ng		95
8) C291	1,1,2-Trichloro-1,2,	2.32	101	256179	496.60	ng		95
9) C045	1,1-Dichloroethene	2.30	96	241727	472.23	ng	#	71
10) C030	Methylene chloride	2.60	84	441674	393.57	ng		86
11) C040	Carbon disulfide	2.46	76	906027	489.08	ng		99
12) C036	Acrolein	2.22	56	799027	9709.69	ng		99
13) C038	Acrylonitrile	2.75	53	770515	2381.13	ng		97
14) C035	Acetone	2.31	43	481378	2236.90	ng		93
15) C300	Acetonitrile	2.50	41	1793322	19054.08	ng		100
16) C276	Iodomethane	2.42	142	504918	498.21	ng		91
17) C255	Methyl Acetate	2.51	43	624775	480.22	ng		91
18) C962	T-butyl Methyl Ether	2.78	73	1162456	483.36	ng		92
19) C057	trans-1,2-Dichloroet	2.78	96	396345	485.69	ng		91
20) C050	1,1-Dichloroethane	3.06	63	700969	484.96	ng		98
21) C125	Vinyl Acetate	3.07	43	3434149	2446.65	ng		97
22) C051	2,2-Dichloropropane	3.47	77	593111	484.76	ng		94
23) C056	cis-1,2-Dichloroethe	3.46	96	427691	483.82	ng		96
24) C272	Tetrahydrofuran	3.66	42	634335	2391.33	ng		95
25) C222	Bromochloromethane	3.63	128	207125	484.70	ng		88
26) C060	Chloroform	3.68	83	700153	485.40	ng		97
28) C256	Cyclohexane	3.88	56	700947	488.63	ng	#	100
29) C115	1,1,1-Trichloroethan	3.83	97	638302	499.30	ng		99
30) C120	Carbon tetrachloride	3.96	117	516000	505.38	ng		93
31) C116	1,1-Dichloropropene	3.94	75	514198	488.77	ng		88

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3511.D Vial: 5
Acq On : 1 Aug 2008 21:27 Operator: CDC
Sample : VSTD100 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 01 22:26:56 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.10	78	1465840	481.24	ng		98
34)	C065	1,2-Dichloroethane	4.10	62	621298	486.98	ng		93
35)	C110	2-Butanone	3.45	43	976028	2368.28	ng		88
36)	C150	Trichloroethene	4.59	95	410615	488.44	ng		98
37)	C161	2-Chloroethylvinyl E	5.23	63	1166587	2418.29	ng		81
38)	C012	Methylcyclohexane	4.77	83	638065	486.95	ng	#	78
39)	C140	1,2-Dichloropropane	4.78	63	397177	492.46	ng		100
40)	C278	Dibromomethane	4.87	93	240457	499.10	ng		97
41)	C130	Bromodichloromethane	5.00	83	521471	500.36	ng		98
42)	C145	cis-1,3-Dichloroprop	5.38	75	632330	496.93	ng		94
45)	C230	Toluene	5.68	92	981177	456.83	ng		90
46)	C170	trans-1,3-Dichloropr	5.87	75	608926	503.67	ng		99
47)	C284	Ethyl Methacrylate	5.94	69	520362	505.53	ng		93
48)	C160	1,1,2-Trichloroethan	6.04	83	273874	487.20	ng		97
49)	C210	4-Methyl-2-pentanone	5.50	43	2017233	2358.25	ng		92
50)	C220	Tetrachloroethene	6.19	166	421833	478.00	ng		93
51)	C221	1,3-Dichloropropane	6.21	76	578408	476.45	ng		96
52)	C155	Dibromochloromethane	6.43	129	389278	513.10	ng		83
53)	C163	1,2-Dibromoethane	6.54	107	346938	490.47	ng		92
54)	C215	2-Hexanone	6.27	43	1467212	2380.88	ng		93
55)	C235	Chlorobenzene	7.02	112	1053237	476.25	ng		98
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	383119	493.04	ng		99
57)	C240	Ethylbenzene	7.13	91	1875050	478.00	ng		98
58)	C246	m,p-Xylene	7.25	106	1313625	937.89	ng		85
59)	C247	o-Xylene	7.65	106	665335	473.04	ng	#	75
60)	C245	Styrene	7.67	104	1101181	482.81	ng		89
61)	C180	Bromoform	7.86	173	260080	538.16	ng		86
64)	C966	Isopropylbenzene	8.04	105	1721416	483.82	ng		93
65)	C301	Bromobenzene	8.37	156	450264	487.50	ng		94
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	423304	491.18	ng		91
67)	C282	1,2,3-Trichloropropa	8.40	110	133192	481.15	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	770447	2487.36	ng		96
69)	C302	n-Propylbenzene	8.48	91	2174243	485.35	ng		98
70)	C303	O 2-Chlorotoluene	8.57	126	437611	490.05	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	437208	479.39	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	1486649	483.62	ng		82
73)	C306	tert-Butylbenzene	9.02	134	329214	487.86	ng	#	81
74)	C307	1,2,4-Trimethylbenze	9.08	105	1532983	486.22	ng		92
75)	C308	sec-Butylbenzene	9.26	105	1795902	488.71	ng		94
76)	C260	1,3-Dichlorobenzene	9.38	146	858040	485.02	ng		98
77)	C309	p-Cymene (4-Isopropy	9.42	119	1668122	486.15	ng		98
78)	C267	1,4-Dichlorobenzene	9.47	146	870457	476.44	ng		98
79)	C249	1,2-Dichlorobenzene	9.84	146	800678	474.99	ng		99
80)	C310	n-Butylbenzene	9.83	91	1561321	484.86	ng		100
81)	C286	1,2-Dibromo-3-Chloro	10.55	75	92414	508.91	ng		82
82)	C313	1,2,4-Trichlorobenze	11.26	180	673522	476.19	ng		99
83)	C316	Hexachlorobutadiene	11.40	225	367343	468.23	ng		99
84)	C314	Naphthalene	11.45	128	1569123	476.41	ng		99
85)	C934	1,2,3-Trichlorobenze	11.64	180	644742	478.70	ng		100

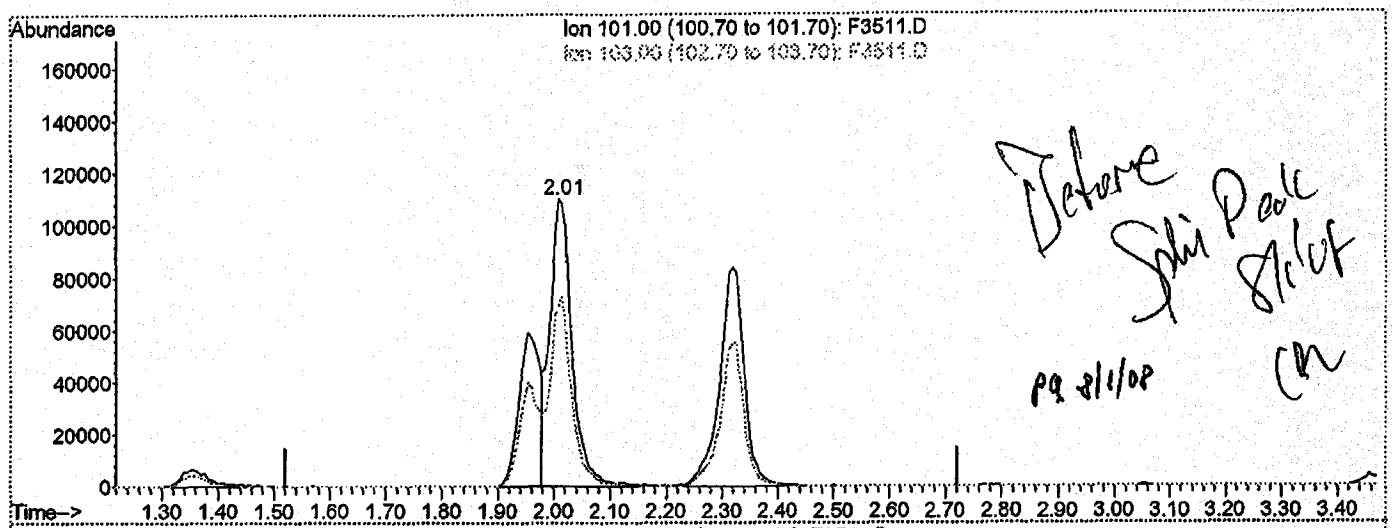
(#) = qualifier out of range (m) = manual integration

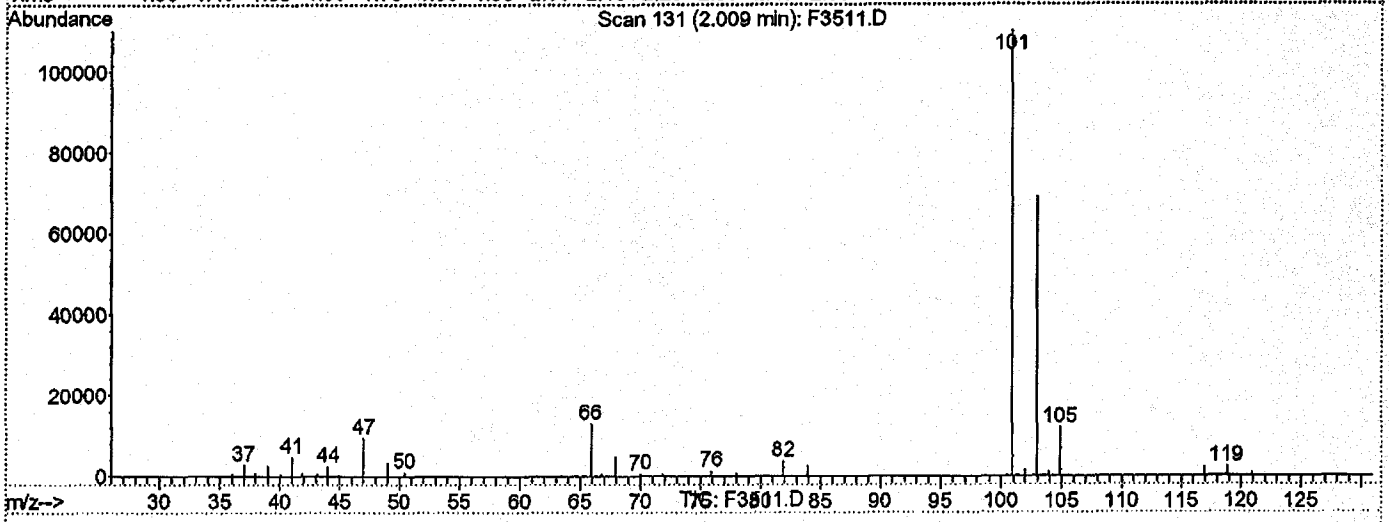
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\080108\F3511.D
Acq On : 1 Aug 2008 21:27
Sample : VSTD100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 1 22:26 2008

Vial: 5
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

2.01min 326.24ng

response 301119

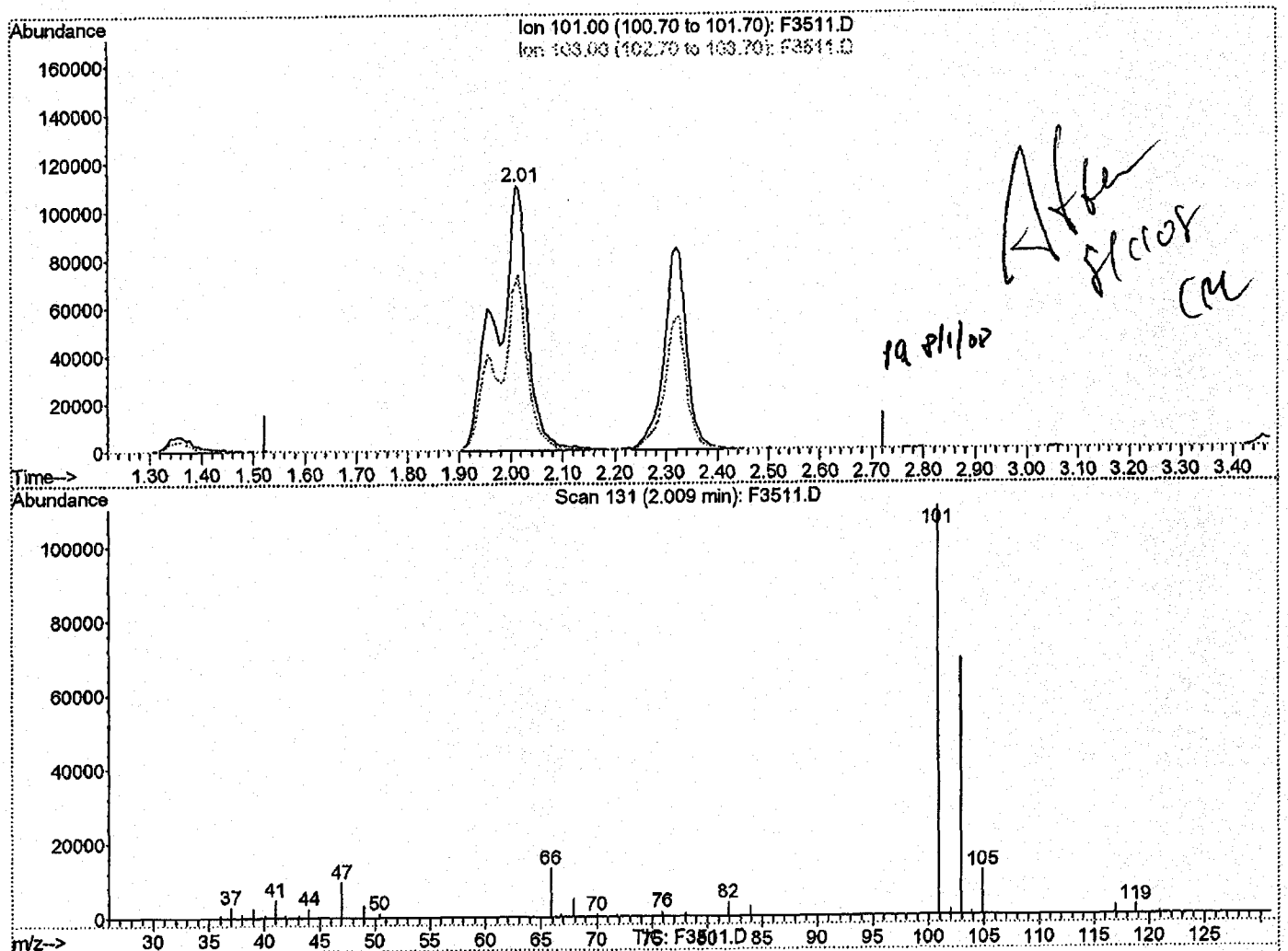
Ion	Exp%	Act%
101.00	100	100
103.00	58.90	62.64
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\080108\F3511.D
Acq On : 1 Aug 2008 21:27
Sample : VSTD100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 1 22:28 2008

Vial: 5
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Multiple Level Calibration



(7) C275 Trichlorofluoromethane (T)

2.01min 493.38ng m

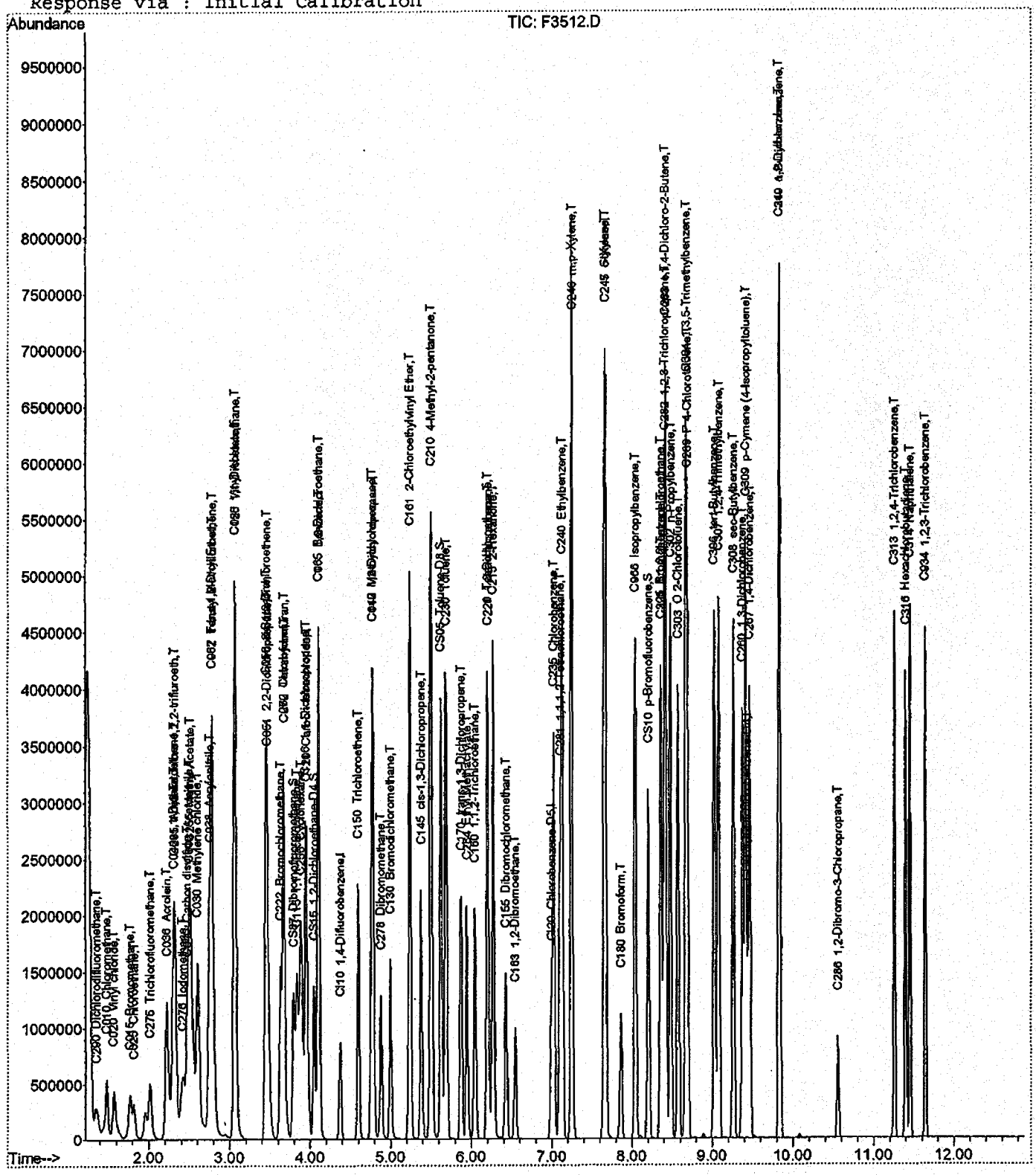
response 455390

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	62.64
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\080108\F3512.D Vial: 6
Acq On : 1 Aug 2008 21:53 Operator: CDC
Sample : VSTD200 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 1 22:29 2008 Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3512.D Vial: 6
Acq On : 1 Aug 2008 21:53 Operator: CDC
Sample : VSTD200 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 01 22:27:06 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080108\F3510.D (1 Aug 2008 21:02)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	710337	250.00	ng		0.00 102.39%
43) CI20	Chlorobenzene-D5	6.99	82	352753	250.00	ng		0.00 101.56%
63) CI30	1,4-Dichlorobenzene-	9.44	152	332490	250.00	ng		0.00 102.09%
System Monitoring Compounds								
27) CS87	Dibromofluoromethane	3.79	111	769238	971.71	ng		0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	388.68%#		
32) CS15	1,2-Dichloroethane-D	4.05	65	1031771	972.41	ng		0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	388.96%#		
44) CS05	Toluene-D8	5.62	98	2821627	913.61	ng		0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	365.44%#		
62) CS10	p-Bromofluorobenzene	8.20	174	945185	900.03	ng		0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	360.01%#		
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.35	85	591074	944.05	ng		100
3) C010	Chloromethane	1.48	50	764880	961.56	ng		96
4) C020	Vinyl chloride	1.57	62	667870	955.62	ng		98
5) C015	Bromomethane	1.77	94	387229	972.17	ng		89
6) C025	Chloroethane	1.81	64	336700	943.23	ng		99
7) C275	Trichlorofluorometha	2.02	101	895449m	963.76	ng		92
8) C291	1,1,2-Trichloro-1,2,	2.32	101	511145	984.32	ng		96
9) C045	1,1-Dichloroethene	2.30	96	501257	972.78	ng	#	65
10) C030	Methylene chloride	2.60	84	839987	743.56	ng		87
11) C040	Carbon disulfide	2.47	76	1836162	984.63	ng		96
12) C036	Acrolein	2.22	56	1695133	20463.23	ng		98
13) C038	Acrylonitrile	2.75	53	1634821	5018.79	ng		97
14) C035	Acetone	2.31	43	1105078	5101.28	ng		94
15) C300	Acetonitrile	2.49	41	3939973	41586.25	ng		100
16) C276	Iodomethane	2.42	142	999300	979.51	ng		90
17) C255	Methyl Acetate	2.51	43	1338813	1022.26	ng		93
18) C962	T-butyl Methyl Ether	2.78	73	2407494	994.46	ng		92
19) C057	trans-1,2-Dichloroet	2.78	96	753094	916.78	ng		90
20) C050	1,1-Dichloroethane	3.06	63	1330560	914.47	ng		98
21) C125	Vinyl Acetate	3.06	43	6327519	4478.29	ng		96
22) C051	2,2-Dichloropropane	3.47	77	1169441	949.50	ng		97
23) C056	cis-1,2-Dichloroethe	3.46	96	818186	919.45	ng		94
24) C272	Tetrahydrofuran	3.66	42	1356459	5079.90	ng		98
25) C222	Bromochloromethane	3.63	128	418828	973.66	ng		84
26) C060	Chloroform	3.68	83	1369235	943.00	ng		97
28) C256	Cyclohexane	3.88	56	1327476	919.27	ng	#	100
29) C115	1,1,1-Trichloroethan	3.83	97	1250483	971.73	ng		98
30) C120	Carbon tetrachloride	3.96	117	1009810	982.51	ng		92
31) C116	1,1-Dichloropropene	3.94	75	979869	925.28	ng		91

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3512.D Vial: 6
Acq On : 1 Aug 2008 21:53 Operator: CDC
Sample : VSTD200 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 01 22:27:06 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA

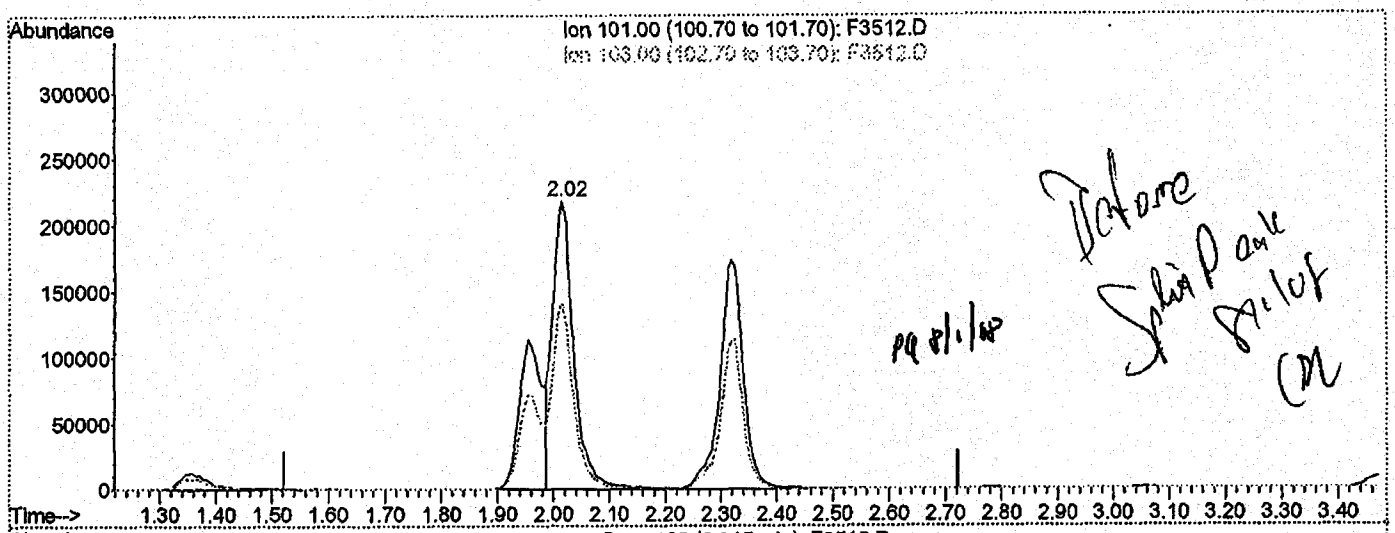
	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.10	78	2757762	899.41	ng		96
34)	C065	1,2-Dichloroethane	4.10	62	1243536	968.26	ng		94
35)	C110	2-Butanone	3.44	43	2082056	5018.70	ng		89
36)	C150	Trichloroethene	4.59	95	788932	932.28	ng		97
37)	C161	2-Chloroethylvinyl E	5.24	63	2289841	4715.46	ng		81
38)	C012	Methylcyclohexane	4.77	83	1195074	906.02	ng	#	76
39)	C140	1,2-Dichloropropane	4.78	63	757330	932.82	ng		100
40)	C278	Dibromomethane	4.87	93	492297	1015.08	ng		97
41)	C130	Bromodichloromethane	5.00	83	1071934	1021.75	ng		99
42)	C145	cis-1,3-Dichloroprop	5.38	75	1278955	998.47	ng		96
45)	C230	Toluene	5.68	92	1878696	872.67	ng		94
46)	C170	trans-1,3-Dichloropr	5.87	75	1236866	1020.68	ng		100
47)	C284	Ethyl Methacrylate	5.95	69	1072539	1039.54	ng		93
48)	C160	1,1,2-Trichloroethan	6.04	83	559168	992.40	ng		96
49)	C210	4-Methyl-2-pentanone	5.50	43	4119224	4804.37	ng		90
50)	C220	Tetrachloroethene	6.20	166	794940	898.70	ng		98
51)	C221	1,3-Dichloropropane	6.21	76	1161731	954.72	ng		97
52)	C155	Dibromochloromethane	6.43	129	821467	1080.25	ng		81
53)	C163	1,2-Dibromoethane	6.54	107	718359	1013.18	ng		93
54)	C215	2-Hexanone	6.27	43	3069655	4969.60	ng		90
55)	C235	Chlorobenzene	7.02	112	2047061	923.48	ng		98
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	770153	988.81	ng		100
57)	C240	Ethylbenzene	7.13	91	3496203	889.19	ng		100
58)	C246	m,p-Xylene	7.25	106	2433393	1733.33	ng		89
59)	C247	o-Xylene	7.65	106	1246118	883.91	ng	#	75
60)	C245	Styrene	7.67	104	2077347	908.68	ng		86
61)	C180	Bromoform	7.86	173	568678	1173.97	ng		82
64)	C966	Isopropylbenzene	8.04	105	3243398	900.35	ng		95
65)	C301	Bromobenzene	8.37	156	871553	932.00	ng		95
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	862891	988.93	ng		96
67)	C282	1,2,3-Trichloropropa	8.40	110	278855	994.94	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	1571452	5010.86	ng		96
69)	C302	n-Propylbenzene	8.48	91	4043585	891.52	ng		98
70)	C303	O 2-Chlorotoluene	8.58	126	841121	930.30	ng		100
71)	C289	P 4-Chlorotoluene	8.70	126	830632	899.56	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	2784477	894.66	ng		81
73)	C306	tert-Butylbenzene	9.03	134	622259	910.76	ng	#	86
74)	C307	1,2,4-Trimethylbenze	9.08	105	2905617	910.22	ng		91
75)	C308	sec-Butylbenzene	9.27	105	3331077	895.29	ng		95
76)	C260	1,3-Dichlorobenzene	9.38	146	1636902	913.87	ng		99
77)	C309	p-Cymene (4-Isopropy	9.42	119	3098029	891.75	ng		99
78)	C267	1,4-Dichlorobenzene	9.47	146	1654125	894.21	ng		98
79)	C249	1,2-Dichlorobenzene	9.84	146	1520631	890.97	ng		99
80)	C310	n-Butylbenzene	9.83	91	2837319	870.26	ng		100
81)	C286	1,2-Dibromo-3-Chloro	10.56	75	215390	1171.51	ng		91
82)	C313	1,2,4-Trichlorobenze	11.26	180	1273994	889.64	ng		99
83)	C316	Hexachlorobutadiene	11.40	225	702238	884.08	ng		100
84)	C314	Naphthalene	11.45	128	3127649	937.89	ng		99
85)	C934	1,2,3-Trichlorobenze	11.64	180	1231123	902.81	ng		99

(#) = qualifier out of range (m) = manual integration

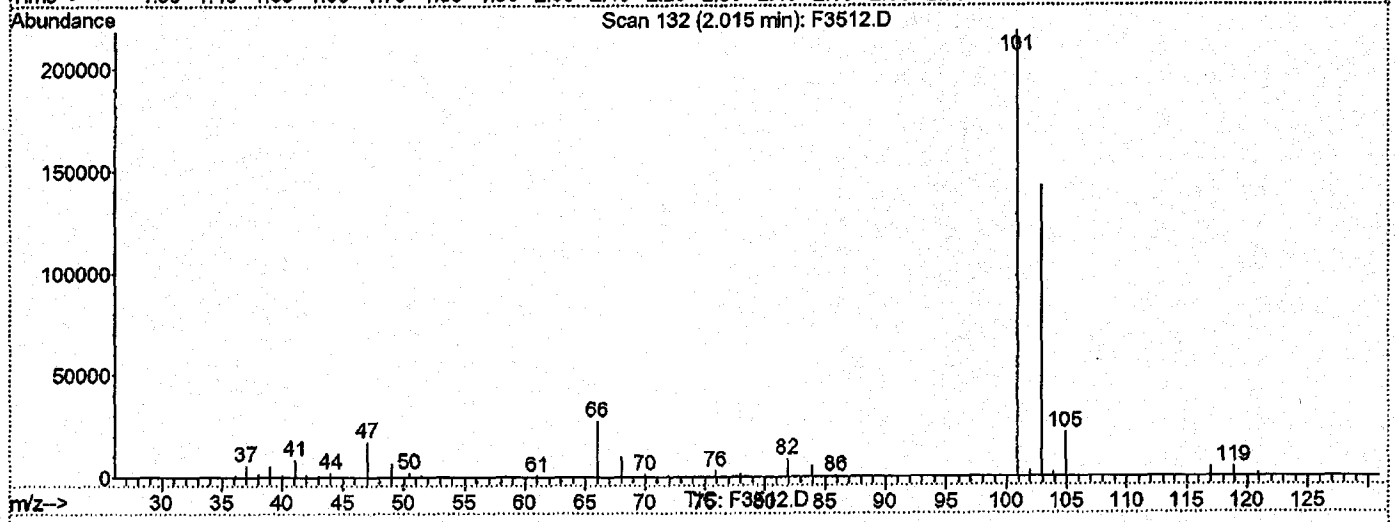
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\080108\F3512.D Vial: 6
Acq On : 1 Aug 2008 21:53 Operator: CDC
Sample : VSTD200 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 1 22:27 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Multiple Level Calibration



Before Split Peak Split CM



(7) C275 Trichlorofluoromethane (T)

2.02min 625.13ng

response 580825

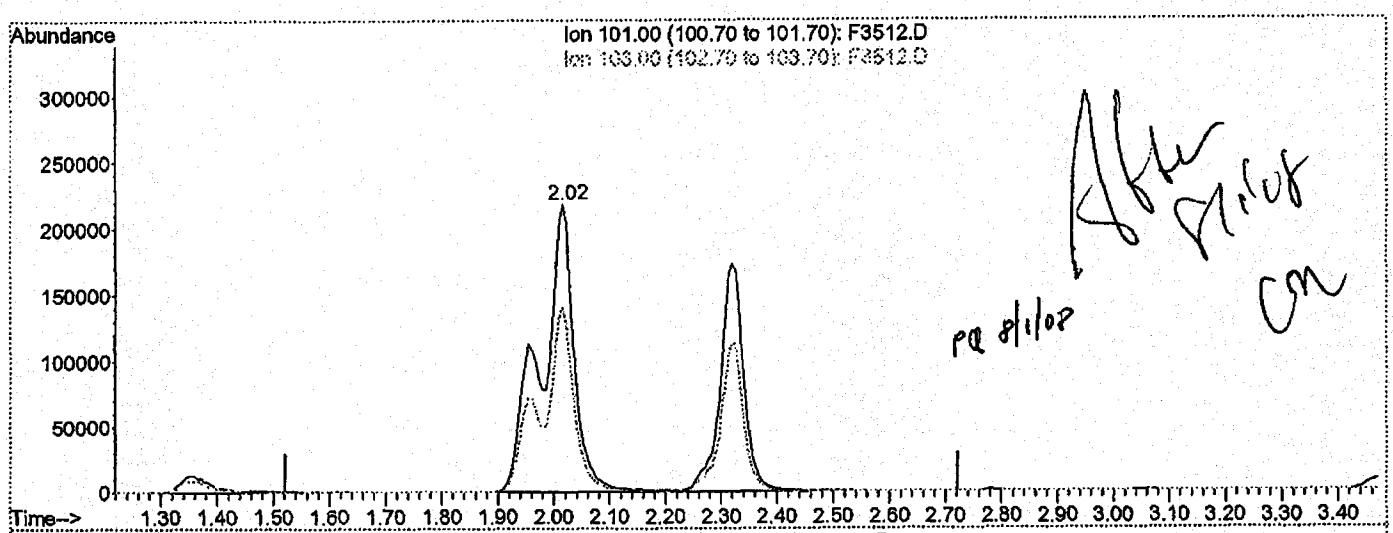
Ion	Exp%	Act%
101.00	100	100
103.00	58.90	65.15
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\080108\F3512.D
Acq On : 1 Aug 2008 21:53
Sample : VSTD200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 1 22:29 2008

Vial: 6
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Multiple Level Calibration



(7) C275 Trichlorofluoromethane (T)

2.02min 963.76ng m

response 895449

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	65.15
0.00	0.00	0.00
0.00	0.00	0.00

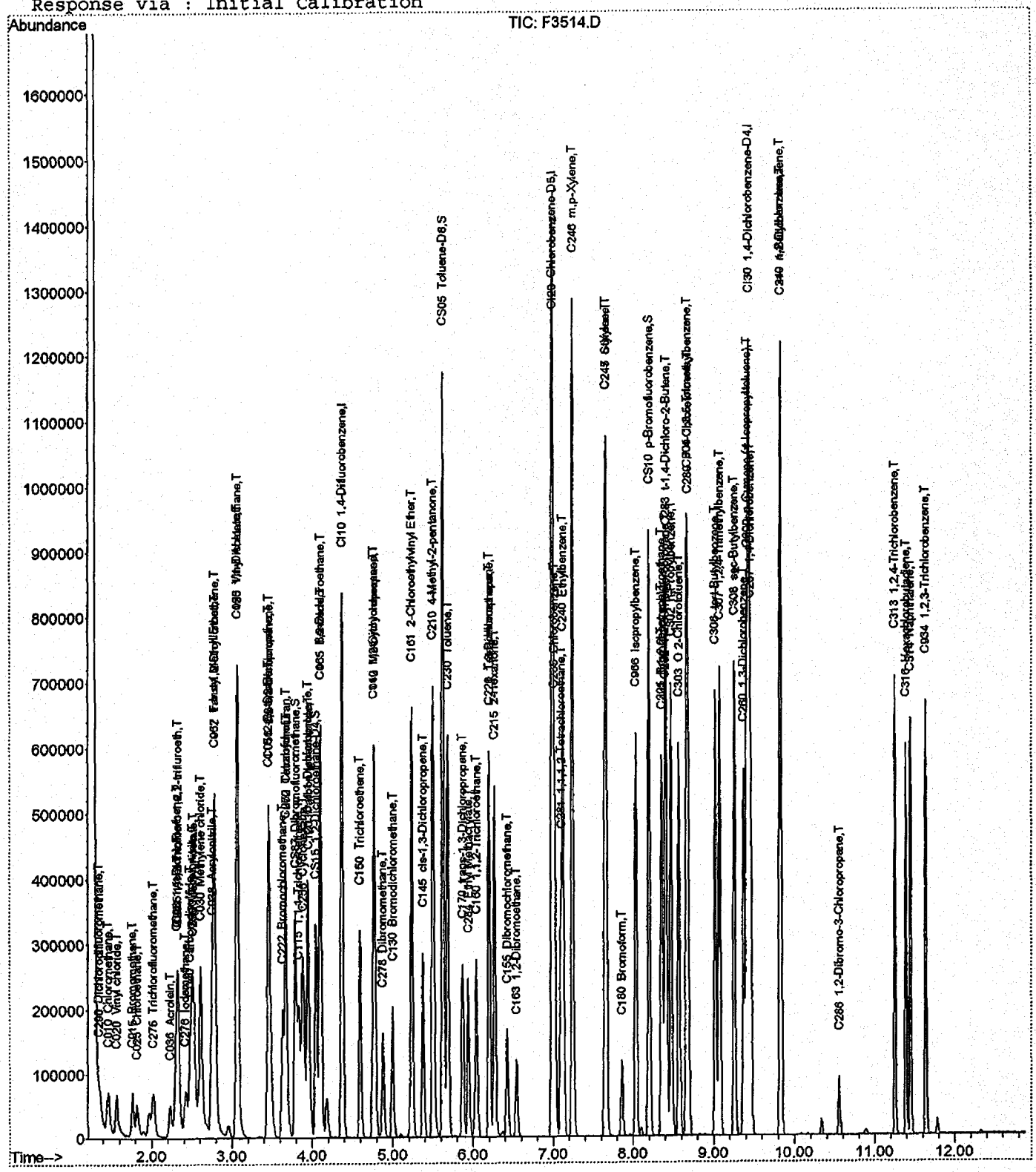
Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\080108\F3514.D
Acq On : 1 Aug 2008 22:44
Sample : MSB/SSCALCHK
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 1 23:03 2008

Vial: 8
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:36:10 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3514.D Vial: 8
Acq On : 1 Aug 2008 22:44 Operator: CDC
Sample : MSB/SSCALCHK Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 01 23:02:46 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:36:10 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080108\F3510.D (1 Aug 2008 21:02)

LC CDC 8260

Spiked @ 125 ng

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	676910	250.00 ng	0.00 97.57%
43) CI20	Chlorobenzene-D5	6.99	82	338020	250.00 ng	0.00 97.32%
63) CI30	1,4-Dichlorobenzene-	9.44	152	321928	250.00 ng	0.00 98.85%
System Monitoring Compounds						
27) CS87	Dibromofluoromethane	3.80	111	210229	278.68 ng	0.00
Spiked Amount	250.000	Range 70 - 130		Recovery =	111.47%	
32) CS15	1,2-Dichloroethane-D	4.05	65	260369	257.51 ng	0.00
Spiked Amount	250.000	Range 64 - 126		Recovery =	103.00%	
44) CS05	Toluene-D8	5.63	98	851260	287.65 ng	0.00
Spiked Amount	250.000	Range 71 - 125		Recovery =	115.06%	
62) CS10	p-Bromofluorobenzene	8.20	174	281434	279.67 ng	0.00
Spiked Amount	250.000	Range 72 - 126		Recovery =	111.87%	
Target Compounds						Qvalue
2) C290	Dichlorodifluorometh	1.36	85	81845	137.18 ng	100
3) C010	Chloromethane	1.47	50	95441	125.91 ng	99
4) C020	Vinyl chloride	1.57	62	94134	141.34 ng	97
5) C015	Bromomethane	1.77	94	53485	140.91 ng	84
6) C025	Chloroethane	1.82	64	47164	138.61 ng	98
7) C275	Trichlorofluorometha	2.02	101	122772m	138.62 ng	96
8) C291	1,1,2-Trichloro-1,2,	2.33	101	68210	137.84 ng	96
9) C045	1,1-Dichloroethene	2.31	96	66050	134.51 ng #	76
10) C030	Methylene chloride	2.61	84	137244	137.96 ng	94
11) C040	Carbon disulfide	2.47	76	250525	140.98 ng	96
12) C036	Acrolein	2.23	56	61483	778.86 ng	100
13) C038	Acrylonitrile	2.75	53	197443	636.07 ng	97
14) C035	Acetone	2.33	43	120773	585.05 ng	88
15) C300	Acetonitrile	2.51	41	460763	5103.49 ng	100
16) C276	Iodomethane	2.42	142	118229	121.60 ng	94
17) C255	Methyl Acetate	2.53	43	117261	93.96 ng #	90
18) C962	T-butyl Methyl Ether	2.79	73	309563	134.19 ng	92
19) C057	trans-1,2-Dichloroet	2.79	96	107665	137.54 ng	89
20) C050	1,1-Dichloroethane	3.06	63	187664	135.35 ng	95
21) C125	Vinyl Acetate	3.07	43	977448	726.03 ng	97
22) C051	2,2-Dichloropropane	3.47	77	162883	138.78 ng	98
23) C056	cis-1,2-Dichloroethe	3.46	96	116869	137.82 ng	97
24) C272	Tetrahydrofuran	3.67	42	158449	622.69 ng	94
25) C222	Bromochloromethane	3.63	128	55892	136.35 ng	91
26) C060	Chloroform	3.68	83	184519	133.34 ng	99
28) C256	Cyclohexane	3.89	56	188456	136.95 ng #	100
29) C115	1,1,1-Trichloroethan	3.83	97	164588	134.21 ng	99
30) C120	Carbon tetrachloride	3.96	117	135868	138.72 ng	91
31) C116	1,1-Dichloropropene	3.94	75	141016	139.74 ng	90

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3514.D Vial: 8
Acq On : 1 Aug 2008 22:44 Operator: CDC
Sample : MSB/SSCALCHK Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 01 23:02:46 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:36:10 2008
Response via : Initial Calibration
DataAcq Meth : VOA

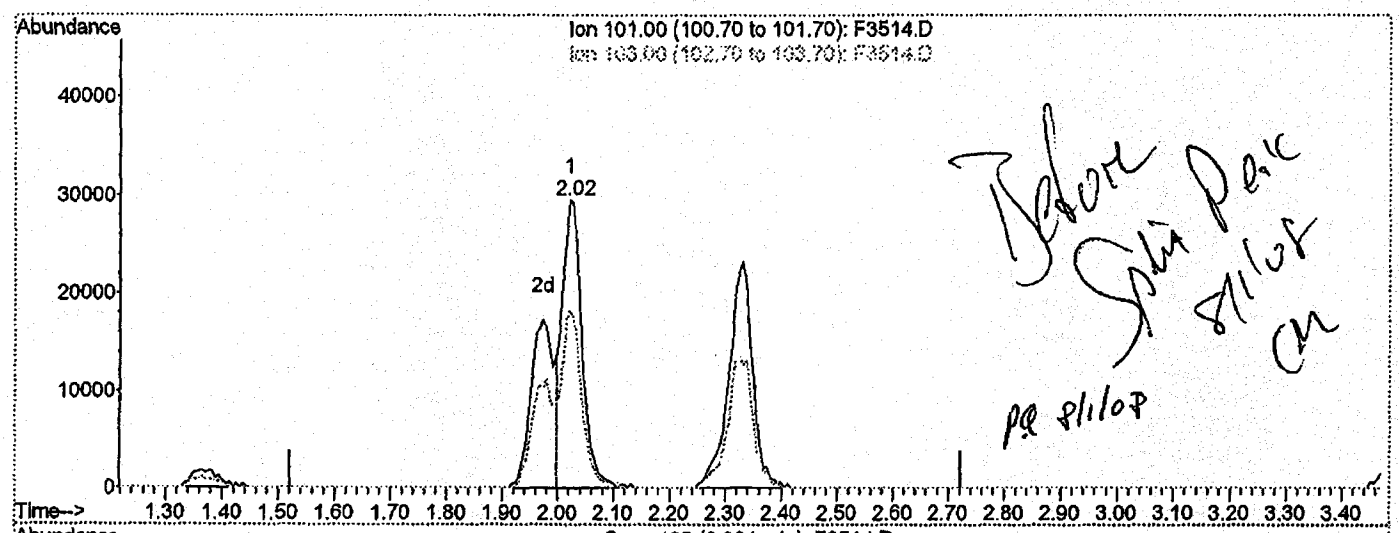
	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.11	78	403588	138.12	ng		99
34)	C065	1,2-Dichloroethane	4.11	62	158149	129.22	ng		90
35)	C110	2-Butanone	3.45	43	249417	630.90	ng		85
36)	C150	Trichloroethene	4.60	95	108021	133.95	ng		96
37)	C161	2-Chloroethylvinyl E	5.24	63	286682	619.52	ng		82
38)	C012	Methylcyclohexane	4.77	83	175026	139.24	ng	#	74
39)	C140	1,2-Dichloropropane	4.78	63	107040	138.35	ng		100
40)	C278	Dibromomethane	4.88	93	62015	134.19	ng		95
41)	C130	Bromodichloromethane	5.00	83	135147	135.18	ng		94
42)	C145	cis-1,3-Dichloroprop	5.38	75	164820	135.03	ng		97
45)	C230	Toluene	5.69	92	279351	135.42	ng		87
46)	C170	trans-1,3-Dichloropr	5.87	75	151704	130.64	ng		100
47)	C284	Ethyl Methacrylate	5.95	69	122776	124.19	ng		94
48)	C160	1,1,2-Trichloroethan	6.05	83	71169	131.82	ng		97
49)	C210	4-Methyl-2-pentanone	5.50	43	524737	638.69	ng		94
50)	C220	Tetrachloroethene	6.20	166	113853	134.32	ng		96
51)	C221	1,3-Dichloropropane	6.21	76	152343	130.65	ng		98
52)	C155	Dibromochloromethane	6.43	129	95586	131.18	ng		88
53)	C163	1,2-Dibromoethane	6.54	107	90374	133.02	ng		91
54)	C215	2-Hexanone	6.27	43	371619	627.85	ng		93
55)	C235	Chlorobenzene	7.02	112	285266	134.30	ng		98
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	99039	132.70	ng		98
57)	C240	Ethylbenzene	7.13	91	517340	137.31	ng		100
58)	C246	m,p-Xylene	7.25	106	373299	277.49	ng		88
59)	C247	o-Xylene	7.65	106	188314	139.40	ng	#	76
60)	C245	Styrene	7.67	104	307894	140.55	ng		93
61)	C180	Bromoform	7.86	173	60641	133.43	ng		80
64)	C966	Isopropylbenzene	8.04	105	435885	124.97	ng		95
65)	C301	Bromobenzene	8.37	156	122757	135.58	ng		95
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	117313	138.86	ng		93
67)	C282	1,2,3-Trichloropropa	8.40	110	32575	120.04	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	183680	604.91	ng		92
69)	C302	n-Propylbenzene	8.48	91	602550	137.21	ng		95
70)	C303	O 2-Chlorotoluene	8.57	126	120942	138.15	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	125874	140.79	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	413404	137.19	ng		82
73)	C306	tert-Butylbenzene	9.02	134	93291	141.02	ng		87
74)	C307	1,2,4-Trimethylbenze	9.08	105	430033	139.13	ng		90
75)	C308	sec-Butylbenzene	9.26	105	528817	146.79	ng		94
76)	C260	1,3-Dichlorobenzene	9.38	146	234467	135.20	ng		99
77)	C309	p-Cymene (4-Isopropy	9.42	119	446181	132.64	ng		98
78)	C267	1,4-Dichlorobenzene	9.47	146	244770	136.66	ng		97
79)	C249	1,2-Dichlorobenzene	9.84	146	226542	137.09	ng		99
80)	C310	n-Butylbenzene	9.83	91	441974	140.01	ng		98
81)	C286	1,2-Dibromo-3-Chloro	10.56	75	21106	118.56	ng		90
82)	C313	1,2,4-Trichlorobenze	11.26	180	193189	139.33	ng		99
83)	C316	Hexachlorobutadiene	11.40	225	104440	135.80	ng		99
84)	C314	Naphthalene	11.45	128	431250	133.56	ng		99
85)	C934	1,2,3-Trichlorobenze	11.64	180	178240	135.00	ng		96

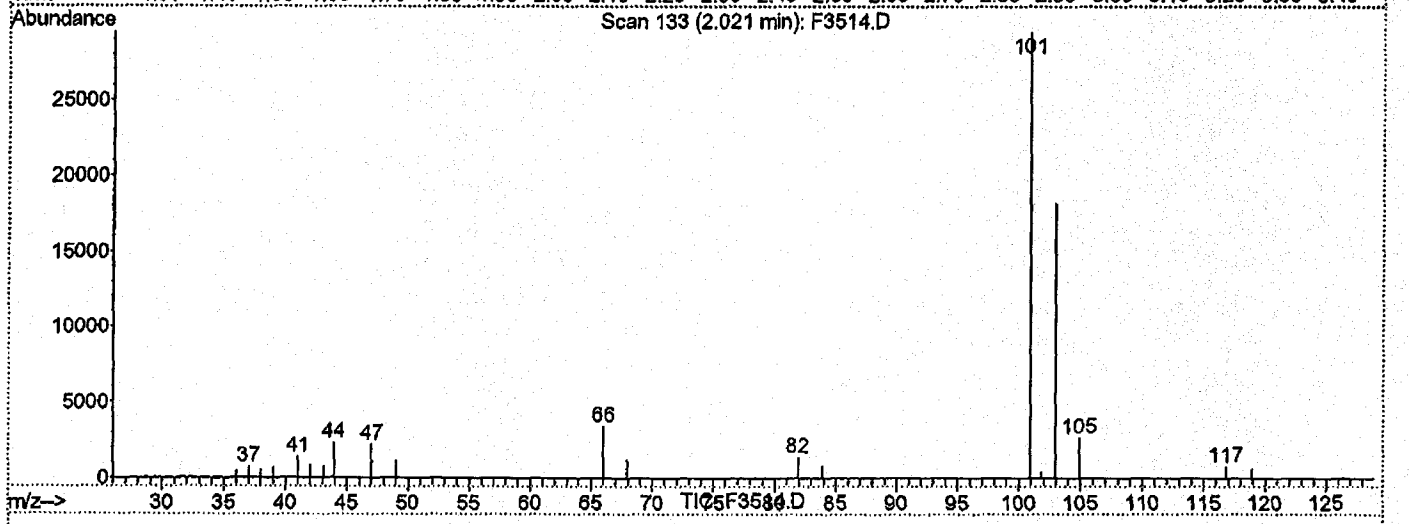
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\080108\F3514.D Vial: 8
Acq On : 1 Aug 2008 22:44 Operator: CDC
Sample : MSB/SSCALCHK Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 1 23:02 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:36:10 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

2.02min 81.96ng

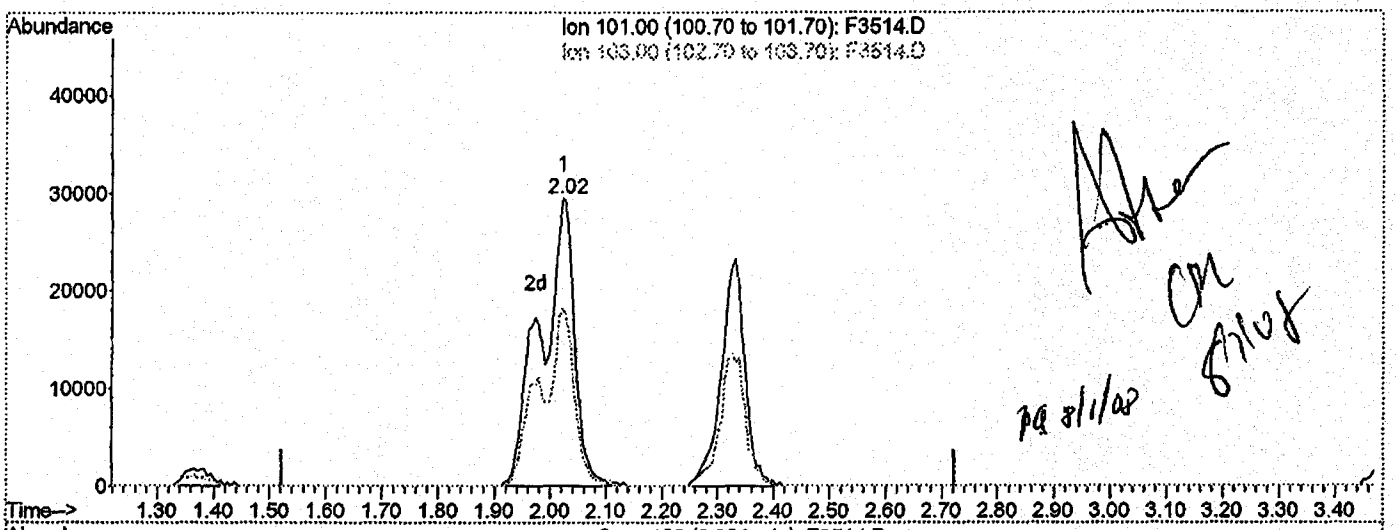
response 72588

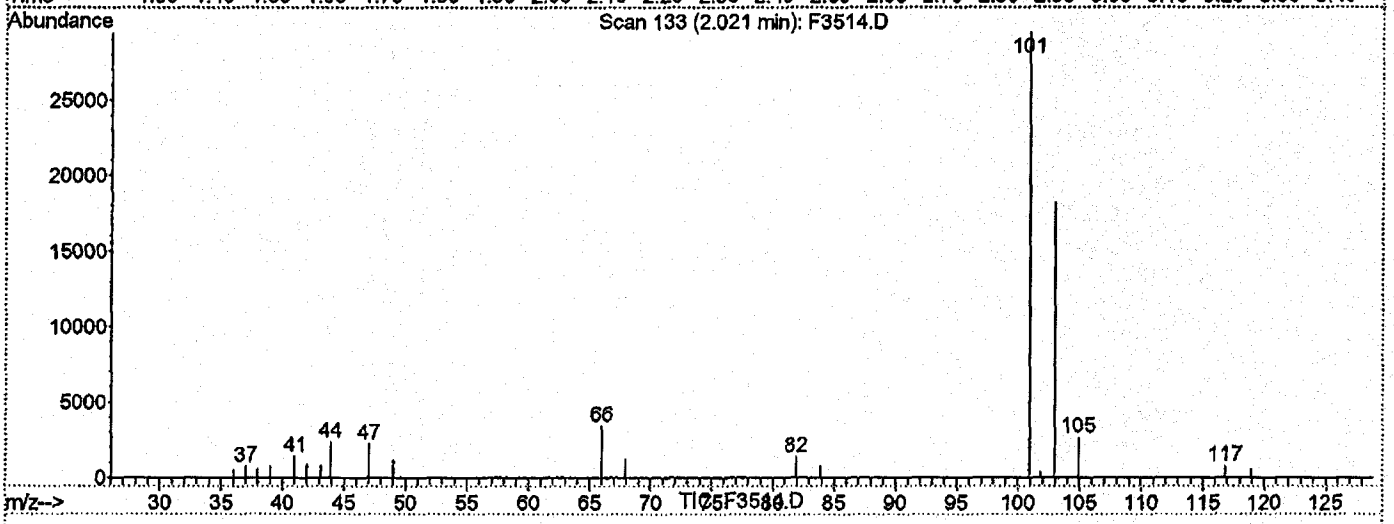
Ion	Exp%	Act%
101.00	100	100
103.00	58.90	61.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\080108\F3514.D Vial: 8
Acq On : 1 Aug 2008 22:44 Operator: CDC
Sample : MSB/SSCALCHK Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 1 23:03 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:36:10 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

2.02min 138.62ng m

response 122772

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	61.69
0.00	0.00	0.00
0.00	0.00	0.00

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001927-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: F3554.RR Calibration Date: 08/04/2008 Time: 22:04

Intrument ID: HP5973F Init. Calib. Date(s): 08/01/2008 08/01/2008

Heated Purge (Y/N): Y Init. Calib. Times: 20:10 21:53

GC Column: ZB-624 ID: 0.20(mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
Chloromethane	0.2800	0.2766	0.1000	1.200	100.00
Bromomethane	0.1400	0.1433		-2.400	100.00
Vinyl chloride	0.2460	0.2552		-3.700	20.00
Chloroethane	0.1260	0.1243		1.400	100.00
Methylene chloride	0.3980	0.3416		14.200	100.00
Acetone	0.0760	0.0784		-3.200	100.00
Carbon Disulfide	0.6560	0.6425		2.100	100.00
1,1-Dichloroethene	0.1810	0.1820	0.1000	-0.600	20.00
1,1-Dichloroethane	0.5120	0.5266	0.3000	-2.800	100.00
cis-1,2-Dichloroethene	0.3130	0.3184		-1.700	100.00
trans-1,2-Dichloroethene	0.2890	0.2975		-2.900	100.00
Chloroform	0.5110	0.5171		-1.200	20.00
1,2-Dichloroethane	0.4520	0.4578		-1.300	100.00
2-Butanone	0.1460	0.1578		-8.100	100.00
1,1,1-Trichloroethane	0.4530	0.4780		-5.500	100.00
Carbon Tetrachloride	0.3620	0.3774		-4.200	100.00
Bromodichloromethane	0.3690	0.3802		-3.000	100.00
1,2-Dichloropropane	0.2860	0.2941		-2.800	20.00
cis-1,3-Dichloropropene	0.4510	0.4642		-2.900	100.00
Trichloroethene	0.2980	0.2949		1.000	100.00
Dibromochloromethane	0.5390	0.5476		-1.600	100.00
1,1,2-Trichloroethane	0.3990	0.4024		-0.900	100.00
Benzene	1.0790	1.1118		-3.000	100.00
trans-1,3-Dichloropropene	0.8590	0.8613		-0.300	100.00
Bromoform	0.3430	0.3638	0.1000	-6.100	100.00
4-Methyl-2-pentanone	0.6080	0.6541		-7.600	100.00
2-Hexanone	0.4380	0.4702		-7.400	100.00
Tetrachloroethene	0.6270	0.6287		-0.300	100.00
1,1,2,2-Tetrachloroethane	0.6560	0.6943	0.3000	-5.800	100.00
Toluene	1.5260	1.4746		3.400	20.00
Chlorobenzene	1.5710	1.5529	0.3000	1.200	100.00
Ethylbenzene	2.7870	2.7669		0.700	20.00
Styrene	1.6200	1.6368		-1.000	100.00
Total Xylenes	0.9990	0.9924		0.700	100.00
1,1,2-Trichloro-1,2,2-trifluoro	0.1830	0.1844		-0.800	100.00
1,2,4-Trichlorobenzene	1.0770	1.0871		-0.900	100.00
1,2-Dibromo-3-chloropropane	0.1380	0.1464		-6.100	100.00
1,2-Dibromoethane	0.5020	0.5092		-1.400	100.00
1,2-Dichlorobenzene	1.2830	1.2924		-0.700	100.00

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001927-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: F3554.RR Calibration Date: 08/04/2008 Time: 22:04

Intrument ID: HP5973F Init. Calib. Date(s): 08/01/2008 08/01/2008

Heated Purge (Y/N): Y Init. Calib. Times: 20:10 21:53

GC Column: ZB-624 ID: 0.20(mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
1,3-Dichlorobenzene	1.3470	1.3463		0.100	100.00
1,4-Dichlorobenzene	1.3910	1.3540		2.700	100.00
Cyclohexane	0.5080	0.5266		-3.700	100.00
Dichlorodifluoromethane	0.2200	0.1992		9.400	100.00
Methyl acetate	0.4610	0.5251		-13.900	100.00
Trichlorofluoromethane	0.3270	0.3380		-3.400	100.00
Methyl-t-Butyl Ether (MTBE)	0.8520	0.8726		-2.400	100.00
Isopropylbenzene	2.7090	2.7866		-2.900	100.00
Methylcyclohexane	0.4640	0.4781		-3.000	100.00
Toluene-D8	2.1890	2.4173		-10.400	100.00
p-Bromofluorobenzene	0.7440	0.8015		-7.700	100.00
1,2-Dichloroethane-D4	0.3730	0.3937		-5.600	100.00

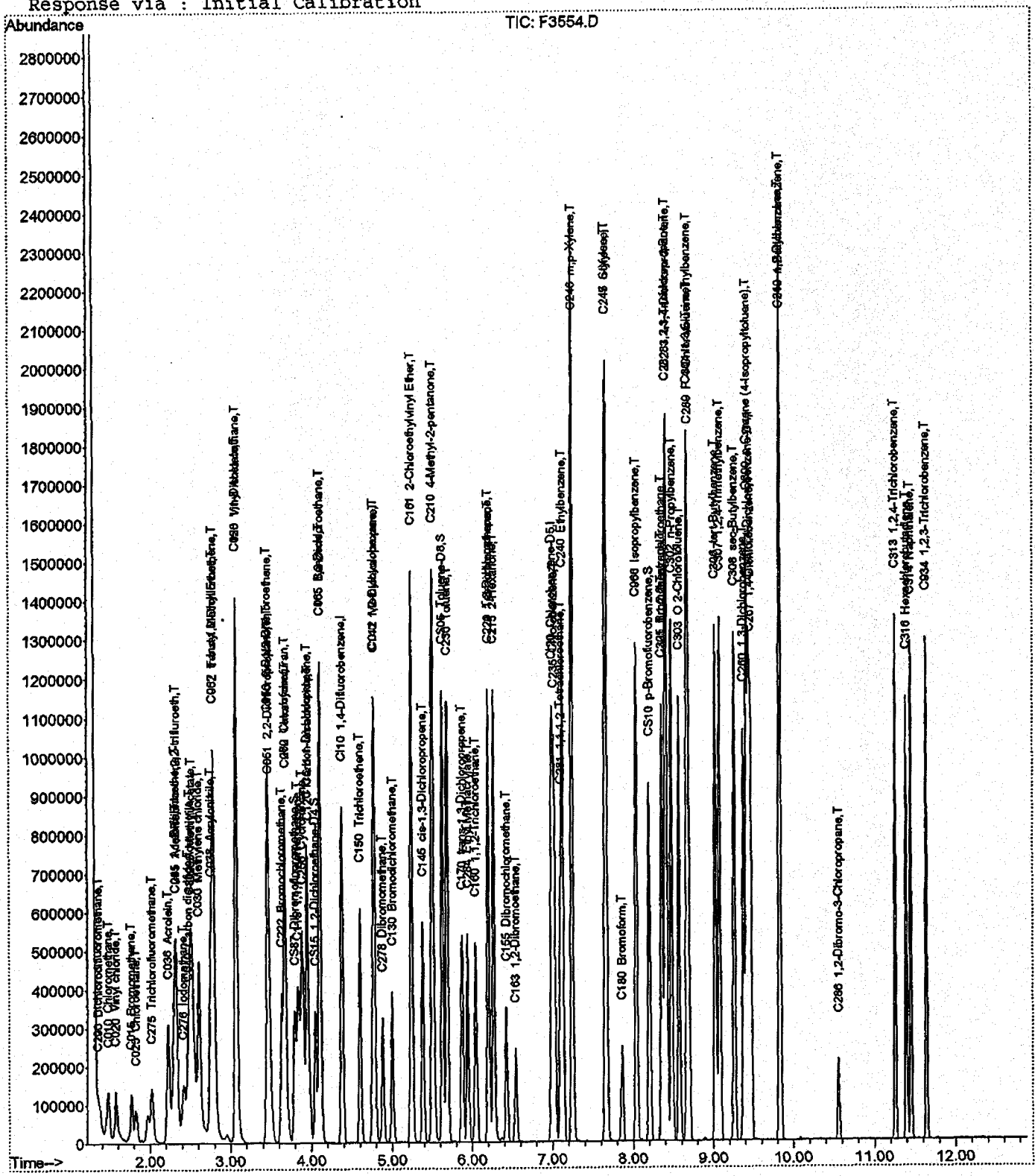
Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\080408\F3554.D
Acq On : 4 Aug 2008 22:04
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 4 22:41 2008

Vial: 1
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 04 16:58:55 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\080408\F3554.D
Acq On : 4 Aug 2008 22:04
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 04 22:41:16 2008

Vial: 1
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 04 16:58:55 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080408\F3529.D (4 Aug 2008 10:29)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	704311	250.00	ng		0.00 79.19%
43) CI20	Chlorobenzene-D5	6.99	82	354550	250.00	ng		0.00 83.78%
63) CI30	1,4-Dichlorobenzene-	9.44	152	329142	250.00	ng		0.00 88.72%
System Monitoring Compounds								
27) CS87	Dibromofluoromethane	3.79	111	210130	267.71	ng		0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	107.08%		
32) CS15	1,2-Dichloroethane-D	4.05	65	277296	263.58	ng		0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	105.43%		
44) CS05	Toluene-D8	5.63	98	857070	276.11	ng		0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	110.44%		
62) CS10	p-Bromofluorobenzene	8.20	174	284158	269.21	ng		0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	107.68%		
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.36	85	140321	226.03	ng		98
3) C010	Chloromethane	1.48	50	194787	246.97	ng		94
4) C020	Vinyl chloride	1.57	62	179724	259.36	ng		93
5) C015	Bromomethane	1.77	94	100943	255.59	ng		84
6) C025	Chloroethane	1.83	64	87561	247.31	ng		98
7) C275	Trichlorofluorometha	2.02	101	238074m	258.35	ng		92
8) C291	1,1,2-Trichloro-1,2,	2.33	101	129907	252.31	ng		95
9) C045	1,1-Dichloroethene	2.31	96	128184	250.89	ng	#	70
10) C030	Methylene chloride	2.61	84	240623	259.36	ng		87
11) C040	Carbon disulfide	2.47	76	452522	244.74	ng		98
12) C036	Acrolein	2.23	56	407640	4963.03	ng		99
13) C038	Acrylonitrile	2.75	53	432052	1337.72	ng		98
14) C035	Acetone	2.32	43	276187	1285.85	ng		92
15) C300	Acetonitrile	2.50	41	985188	10487.59	ng		100
16) C276	Iodomethane	2.42	142	249964	247.08	ng		90
17) C255	Methyl Acetate	2.52	43	369800	284.78	ng		92
18) C962	T-butyl Methyl Ether	2.78	73	614561	256.03	ng		91
19) C057	trans-1,2-Dichloroet	2.79	96	209506	257.22	ng		92
20) C050	1,1-Dichloroethane	3.06	63	370865	257.07	ng		97
21) C125	Vinyl Acetate	3.07	43	1809693	1291.91	ng		98
22) C051	2,2-Dichloropropane	3.48	77	320670	262.59	ng		97
23) C056	cis-1,2-Dichloroethe	3.46	96	224271	254.19	ng		95
24) C272	Tetrahydrofuran	3.67	42	358090	1352.51	ng		95
25) C222	Bromochloromethane	3.63	128	109894	257.66	ng		85
26) C060	Chloroform	3.68	83	364227	252.97	ng		99
28) C256	Cyclohexane	3.89	56	370882	259.03	ng	#	100
29) C115	1,1,1-Trichloroethan	3.83	97	336694	263.88	ng		99
30) C120	Carbon tetrachloride	3.96	117	265778	260.81	ng		90
31) C116	1,1-Dichloropropene	3.94	75	272593	259.61	ng		91

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\080408\F3554.D
Acq On : 4 Aug 2008 22:04
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 04 22:41:16 2008

Vial: 1
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 04 16:58:55 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.11	78	783021	257.56	ng		97
34)	C065	1,2-Dichloroethane	4.11	62	322452	253.22	ng		90
35)	C110	2-Butanone	3.45	43	555587	1350.67	ng		91
36)	C150	Trichloroethene	4.60	95	207727	247.57	ng		95
37)	C161	2-Chloroethylvinyl E	5.24	63	651030	1352.13	ng		81
38)	C012	Methylcyclohexane	4.77	83	336727	257.47	ng	#	78
39)	C140	1,2-Dichloropropane	4.78	63	207118	257.29	ng		100
40)	C278	Dibromomethane	4.88	93	122048	253.81	ng		98
41)	C130	Bromodichloromethane	5.00	83	267792	257.44	ng		96
42)	C145	cis-1,3-Dichloroprop	5.38	75	326942	257.42	ng		96
45)	C230	Toluene	5.69	92	522826	241.63	ng		90
46)	C170	trans-1,3-Dichloropr	5.87	75	305361	250.71	ng		99
47)	C284	Ethyl Methacrylate	5.95	69	267015	257.49	ng		93
48)	C160	1,1,2-Trichloroethan	6.05	83	142661	251.91	ng		97
49)	C210	4-Methyl-2-pentanone	5.50	43	1159490	1345.49	ng		95
50)	C220	Tetrachloroethene	6.20	166	222895	250.71	ng		95
51)	C221	1,3-Dichloropropane	6.21	76	303849	248.44	ng		97
52)	C155	Dibromochloromethane	6.43	129	194150	254.02	ng		80
53)	C163	1,2-Dibromoethane	6.54	107	180525	253.32	ng		97
54)	C215	2-Hexanone	6.27	43	833533	1342.60	ng		94
55)	C235	Chlorobenzene	7.02	112	550576	247.12	ng		97
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	193069	246.63	ng		97
57)	C240	Ethylbenzene	7.13	91	981004	248.24	ng		100
58)	C246	m,p-Xylene	7.25	106	707556	501.45	ng		86
59)	C247	o-Xylene	7.65	106	351856	248.32	ng	#	74
60)	C245	Styrene	7.67	104	580339	252.57	ng		92
61)	C180	Bromoform	7.86	173	128982	246.62	ng		81
64)	C966	Isopropylbenzene	8.04	105	917201	257.20	ng		94
65)	C301	Bromobenzene	8.36	156	230550	249.05	ng		99
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	228520	264.56	ng		97
67)	C282	1,2,3-Trichloropropa	8.40	110	70539	254.24	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	417319	1344.23	ng		94
69)	C302	n-Propylbenzene	8.48	91	1156648	257.61	ng		97
70)	C303	O 2-Chlorotoluene	8.57	126	228926	255.77	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	231901	253.70	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	787649	255.65	ng		82
73)	C306	tert-Butylbenzene	9.02	134	171969	254.26	ng	#	76
74)	C307	1,2,4-Trimethylbenze	9.08	105	808915	255.98	ng		91
75)	C308	sec-Butylbenzene	9.26	105	944475	256.43	ng		93
76)	C260	1,3-Dichlorobenzene	9.38	146	443133	249.92	ng		97
77)	C309	p-Cymene (4-Isopropy	9.42	119	888937	258.48	ng		97
78)	C267	1,4-Dichlorobenzene	9.47	146	445670	243.38	ng		99
79)	C249	1,2-Dichlorobenzene	9.84	146	425388	251.78	ng		98
80)	C310	n-Butylbenzene	9.83	91	847415	262.56	ng		98
81)	C286	1,2-Dibromo-3-Chloro	10.56	75	48188	264.76	ng		98
82)	C313	1,2,4-Trichlorobenze	11.26	180	357795	252.39	ng		99
83)	C316	Hexachlorobutadiene	11.40	225	195057	248.06	ng		99
84)	C314	Naphthalene	11.45	128	831504	251.88	ng		99
85)	C934	1,2,3-Trichlorobenze	11.64	180	341981	253.33	ng		98

(#) = qualifier out of range (m) = manual integration

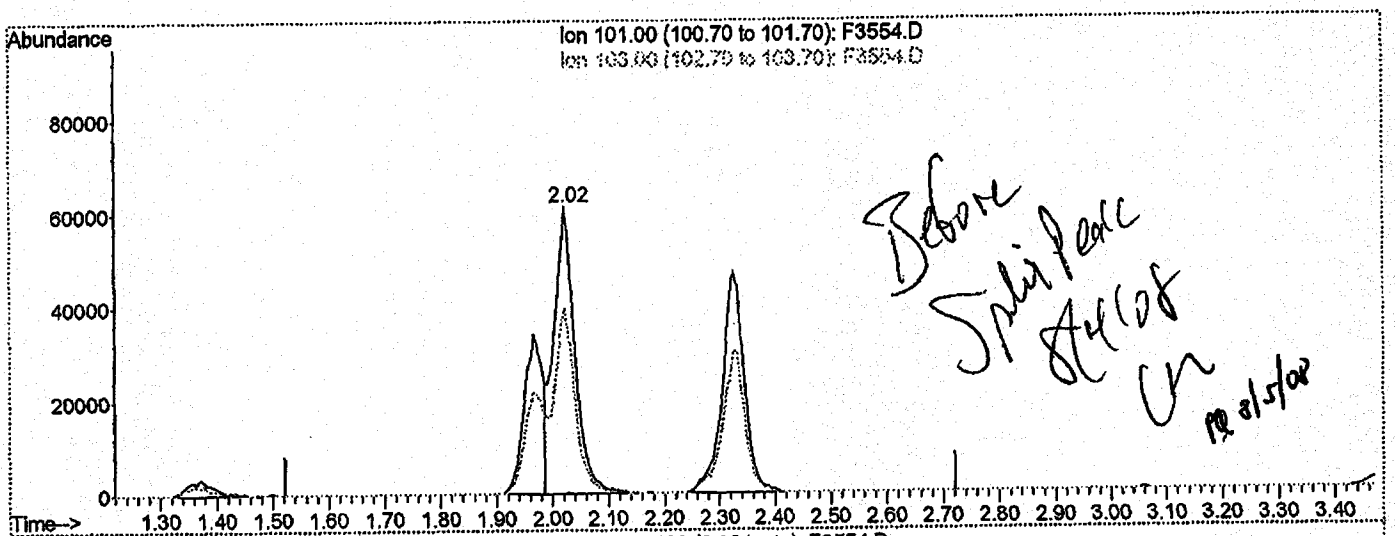
Quantitation Report (Qedit)

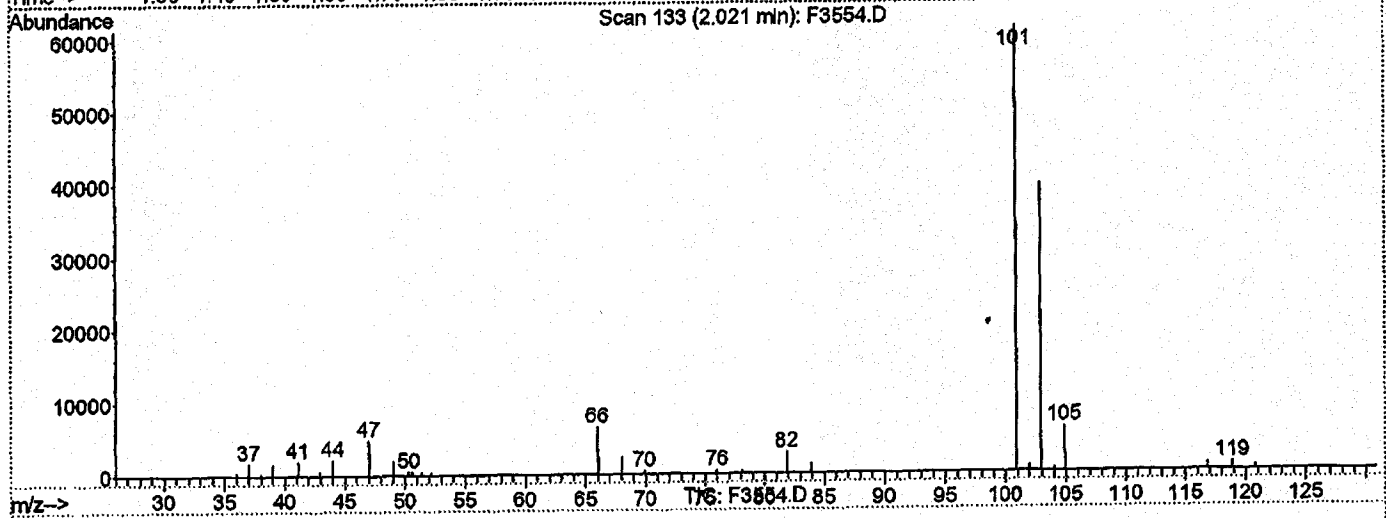
Data File : H:\GCMS_VOA\F\080408\F3554.D
Acq On : 4 Aug 2008 22:04
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 4 22:41 2008

Vial: 1
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 04 16:58:55 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

2.02min 173.39ng

response 159779

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	64.54
0.00	0.00	0.00
0.00	0.00	0.00

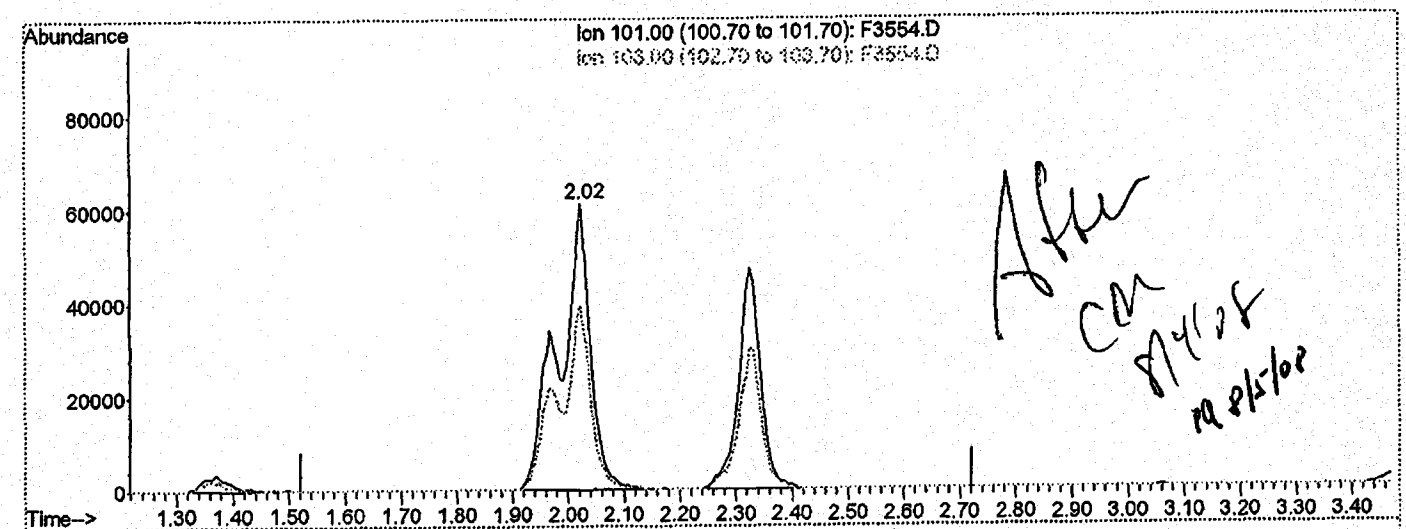
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\080408\F3554.D
Acq On : 4 Aug 2008 22:04
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 4 22:41 2008

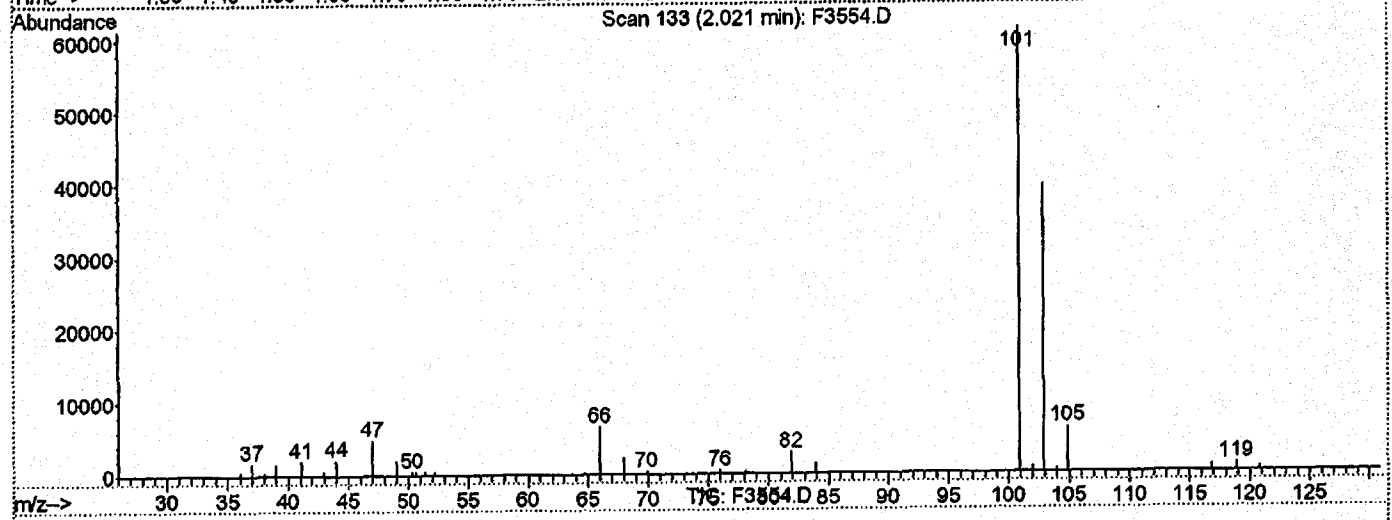
Vial: 1
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 04 16:58:55 2008
Response via : Multiple Level Calibration



After CM 8/4/08 PM 8/5/08



(7) C275 Trichlorofluoromethane (T)

2.02min 258.35ng m

response 238074

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	64.54
0.00	0.00	0.00
0.00	0.00	0.00

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001947-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: F3611.RR Calibration Date: 08/06/2008 Time: 09:50

Intrument ID: HP5973F Init. Calib. Date(s): 08/01/2008 08/01/2008

Heated Purge (Y/N): Y Init. Calib. Times: 20:10 21:53

GC Column: ZB-624 ID: 0.20(mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
Chloromethane	0.2800	0.2954	0.1000	-5.500	100.00
Bromomethane	0.1400	0.1536		-9.700	100.00
Vinyl chloride	0.2460	0.2648		-7.600	20.00
Chloroethane	0.1260	0.1357		-7.700	100.00
Methylene chloride	0.3980	0.3460		13.100	100.00
Acetone	0.0760	0.0765		-0.700	100.00
Carbon Disulfide	0.6560	0.6710		-2.300	100.00
1,1-Dichloroethene	0.1810	0.1913	0.1000	-5.700	20.00
1,1-Dichloroethane	0.5120	0.5478	0.3000	-7.000	100.00
cis-1,2-Dichloroethene	0.3130	0.3316		-5.900	100.00
trans-1,2-Dichloroethene	0.2890	0.3092		-7.000	100.00
Chloroform	0.5110	0.5364		-5.000	20.00
1,2-Dichloroethane	0.4520	0.4745		-5.000	100.00
2-Butanone	0.1460	0.1450		0.700	100.00
1,1,1-Trichloroethane	0.4530	0.5007		-10.500	100.00
Carbon Tetrachloride	0.3620	0.3967		-9.600	100.00
Bromodichloromethane	0.3690	0.3893		-5.500	100.00
1,2-Dichloropropane	0.2860	0.2855		0.200	20.00
cis-1,3-Dichloropropene	0.4510	0.4583		-1.600	100.00
Trichloroethene	0.2980	0.3045		-2.200	100.00
Dibromochloromethane	0.5390	0.5330		1.100	100.00
1,1,2-Trichloroethane	0.3990	0.3896		2.400	100.00
Benzene	1.0790	1.1133		-3.200	100.00
trans-1,3-Dichloropropene	0.8590	0.8564		0.300	100.00
Bromoform	0.3430	0.3397	0.1000	1.000	100.00
4-Methyl-2-pentanone	0.6080	0.5950		2.100	100.00
2-Hexanone	0.4380	0.4255		2.800	100.00
Tetrachloroethene	0.6270	0.6274		-0.100	100.00
1,1,2,2-Tetrachloroethane	0.6560	0.6199	0.3000	5.500	100.00
Toluene	1.5260	1.4803		3.000	20.00
Chlorobenzene	1.5710	1.5631	0.3000	0.500	100.00
Ethylbenzene	2.7870	2.8194		-1.200	20.00
Styrene	1.6200	1.6257		-0.400	100.00
Total Xylenes	0.9990	0.9916		0.700	100.00
1,1,2-Trichloro-1,2,2-trifluoro	0.1830	0.1956		-6.900	100.00
1,2,4-Trichlorobenzene	1.0770	1.0197		5.300	100.00
1,2-Dibromo-3-chloropropane	0.1380	0.1297		6.000	100.00
1,2-Dibromoethane	0.5020	0.4853		3.300	100.00
1,2-Dichlorobenzene	1.2830	1.2605		1.800	100.00

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001947-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: F3611.RR Calibration Date: 08/06/2008 Time: 09:50

Intrument ID: HP5973F Init. Calib. Date(s): 08/01/2008 08/01/2008

Heated Purge (Y/N): Y Init. Calib. Times: 20:10 21:53

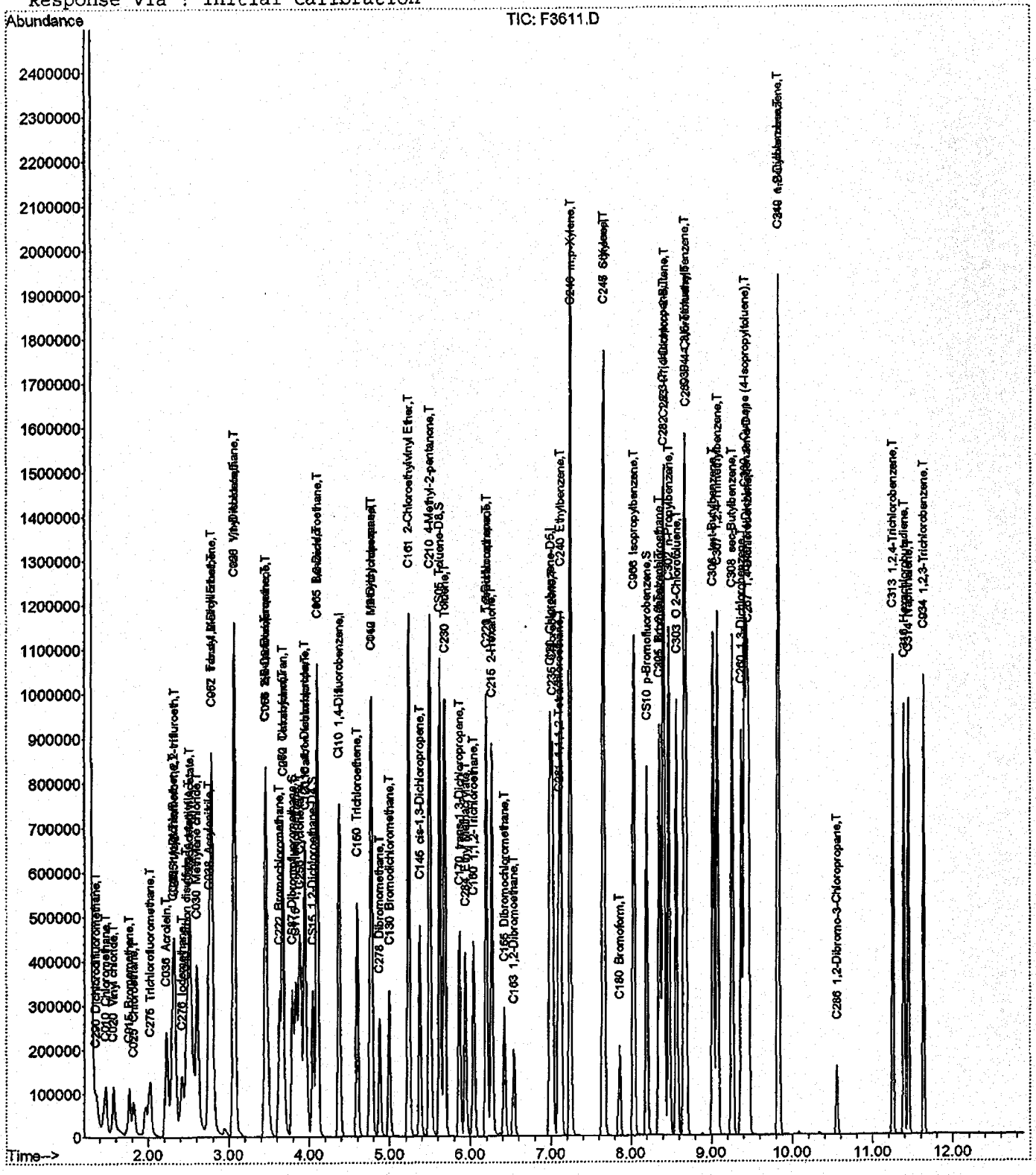
GC Column: ZB-624 ID: 0.20(mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
1,3-Dichlorobenzene	1.3470	1.3209		1.900	100.00
1,4-Dichlorobenzene	1.3910	1.3402		3.600	100.00
Cyclohexane	0.5080	0.5186		-2.100	100.00
Dichlorodifluoromethane	0.2200	0.2257		-2.600	100.00
Methyl acetate	0.4610	0.5475		-18.800	100.00
Trichlorofluoromethane	0.3270	0.3853		-17.800	100.00
Methyl-t-Butyl Ether (MTBE)	0.8520	0.8641		-1.400	100.00
Isopropylbenzene	2.7090	2.7146		-0.200	100.00
Methylcyclohexane	0.4640	0.4691		-1.100	100.00
Toluene-D8	2.1890	2.6280		-20.000	100.00
p-Bromofluorobenzene	0.7440	0.8219		-10.500	100.00
1,2-Dichloroethane-D4	0.3730	0.4522		-21.200	100.00

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\080608\F3611.D Vial: 1
Acq On : 6 Aug 2008 9:50 Operator: LH/DHC
Sample : VSTD050 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 6 10:51 2008 Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 01:09:08 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\080608\F3611.D Vial: 1
Acq On : 6 Aug 2008 9:50 Operator: LH/DHC
Sample : VSTD050 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 06 10:51:53 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 01:09:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080508\F3582.D (5 Aug 2008 18:37)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	589722	250.00	ng		0.00 86.85%
43) CI20	Chlorobenzene-D5	6.99	82	298983	250.00	ng		0.00 87.59%
63) CI30	1,4-Dichlorobenzene-	9.44	152	286413	250.00	ng		0.00 87.88%
System Monitoring Compounds								
27) CS87	Dibromofluoromethane	3.79	111	203075	308.99	ng		0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	123.60%		
32) CS15	1,2-Dichloroethane-D	4.05	65	266680	302.74	ng		0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	121.10%		
44) CS05	Toluene-D8	5.63	98	785725	300.17	ng		0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	120.07%		
62) CS10	p-Bromofluorobenzene	8.20	174	245740	276.08	ng		0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	110.43%		
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.36	85	133088	256.04	ng		95
3) C010	Chloromethane	1.48	50	174176	263.75	ng		99
4) C020	Vinyl chloride	1.57	62	156172	269.16	ng		97
5) C015	Bromomethane	1.77	94	90584	273.93	ng		89
6) C025	Chloroethane	1.82	64	80021	269.93	ng		99
7) C275	Trichlorofluorometha	2.03	101	227222m	294.49	ng		97
8) C291	1,1,2-Trichloro-1,2,	2.33	101	115332	267.53	ng		93
9) C045	1,1-Dichloroethene	2.31	96	112838	263.77	ng	#	65
10) C030	Methylene chloride	2.61	84	204056	263.19	ng		86
11) C040	Carbon disulfide	2.47	76	395706	255.59	ng		97
12) C036	Acrolein	2.23	56	304642	4429.73	ng		97
13) C038	Acrylonitrile	2.75	53	339381	1254.97	ng		99
14) C035	Acetone	2.32	43	225546	1254.12	ng		87
15) C300	Acetonitrile	2.50	41	812990	10336.15	ng		100
16) C276	Iodomethane	2.42	142	227049	268.04	ng		86
17) C255	Methyl Acetate	2.52	43	322892	296.97	ng		91
18) C962	T-butyl Methyl Ether	2.79	73	509592	253.55	ng		91
19) C057	trans-1,2-Dichloroet	2.79	96	182326	267.35	ng		91
20) C050	1,1-Dichloroethane	3.06	63	323025	267.42	ng		99
21) C125	Vinyl Acetate	3.07	43	1419163	1209.98	ng		99
22) C051	2,2-Dichloropropane	3.47	77	278860	272.72	ng		96
23) C056	cis-1,2-Dichloroethe	3.46	96	195562	264.72	ng		96
24) C272	Tetrahydrofuran	3.67	42	270090	1218.36	ng		98
25) C222	Bromochloromethane	3.63	128	88368	247.45	ng		79
26) C060	Chloroform	3.68	83	316350	262.41	ng		100
28) C256	Cyclohexane	3.89	56	305831	255.10	ng	#	100
29) C115	1,1,1-Trichloroethan	3.83	97	295303	276.41	ng		98
30) C120	Carbon tetrachloride	3.96	117	233956	274.19	ng		89
31) C116	1,1-Dichloropropene	3.94	75	231969	263.85	ng		89

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\080608\F3611.D Vial: 1
Acq On : 6 Aug 2008 9:50 Operator: LH/DHC
Sample : VSTD050 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 06 10:51:53 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 01:09:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA

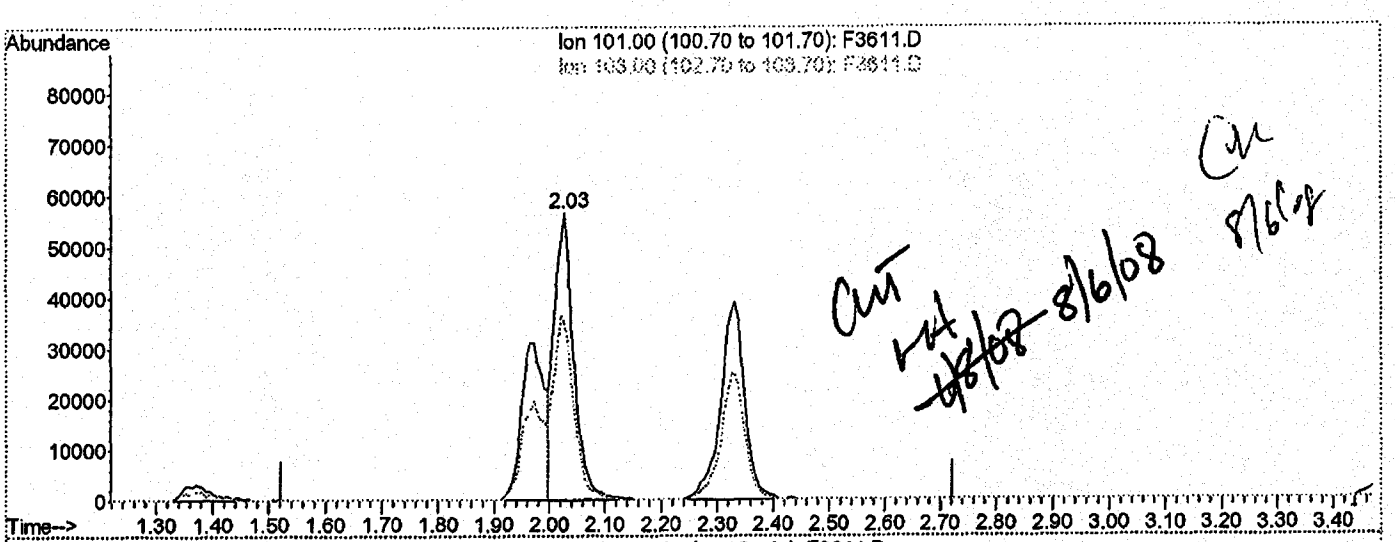
	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.11	78	656529	257.91	ng		98
34)	C065	1,2-Dichloroethane	4.11	62	279817	262.44	ng		93
35)	C110	2-Butanone	3.45	43	427404	1240.95	ng		86
36)	C150	Trichloroethene	4.60	95	179563	255.59	ng		98
37)	C161	2-Chloroethylvinyl E	5.24	63	508452	1261.20	ng		81
38)	C012	Methylcyclohexane	4.77	83	276638	252.62	ng	#	71
39)	C140	1,2-Dichloropropane	4.78	63	168382	249.82	ng		100
40)	C278	Dibromomethane	4.88	93	102445	254.44	ng		97
41)	C130	Bromodichloromethane	5.00	83	229551	263.56	ng		99
42)	C145	cis-1,3-Dichloroprop	5.38	75	270263	254.15	ng		95
45)	C230	Toluene	5.68	92	442587	242.56	ng		92
46)	C170	trans-1,3-Dichloropr	5.87	75	256057	249.30	ng		99
47)	C284	Ethyl Methacrylate	5.95	69	214073	244.80	ng		95
48)	C160	1,1,2-Trichloroethan	6.04	83	116476	243.90	ng		96
49)	C210	4-Methyl-2-pentanone	5.50	43	889510	1224.04	ng		95
50)	C220	Tetrachloroethene	6.20	166	187579	250.20	ng		93
51)	C221	1,3-Dichloropropane	6.21	76	248095	240.56	ng		93
52)	C155	Dibromochloromethane	6.43	129	159364	247.26	ng		86
53)	C163	1,2-Dibromoethane	6.54	107	145084	241.43	ng		87
54)	C215	2-Hexanone	6.27	43	636032	1214.88	ng		97
55)	C235	Chlorobenzene	7.02	112	467326	248.74	ng		99
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	163380	247.49	ng		96
57)	C240	Ethylbenzene	7.13	91	842940	252.94	ng		99
58)	C246	m,p-Xylene	7.25	106	601457	505.47	ng		87
59)	C247	o-Xylene	7.65	106	296486	248.13	ng	#	71
60)	C245	Styrene	7.67	104	486050	250.85	ng		91
61)	C180	Bromoform	7.86	173	101561	231.82	ng		87
64)	C966	Isopropylbenzene	8.04	105	777497	250.55	ng		95
65)	C301	Bromobenzene	8.36	156	195177	242.29	ng		98
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	177543	236.21	ng		94
67)	C282	1,2,3-Trichloropropa	8.40	110	57578	238.48	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	338048	1251.34	ng		89
69)	C302	n-Propylbenzene	8.48	91	983071	251.61	ng		96
70)	C303	O 2-Chlorotoluene	8.57	126	191807	246.27	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	195087	245.26	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	676935	252.49	ng		79
73)	C306	tert-Butylbenzene	9.02	134	146032	248.12	ng	#	79
74)	C307	1,2,4-Trimethylbenze	9.08	105	682841	248.32	ng		91
75)	C308	sec-Butylbenzene	9.26	105	807734	252.02	ng		94
76)	C260	1,3-Dichlorobenzene	9.38	146	378312	245.19	ng		97
77)	C309	p-Cymene (4-Isopropy	9.42	119	754810	252.22	ng		98
78)	C267	1,4-Dichlorobenzene	9.47	146	383845	240.89	ng		97
79)	C249	1,2-Dichlorobenzene	9.84	146	361011	245.55	ng		98
80)	C310	n-Butylbenzene	9.83	91	720181	256.43	ng		99
81)	C286	1,2-Dibromo-3-Chloro	10.56	75	37154	234.59	ng		96
82)	C313	1,2,4-Trichlorobenze	11.26	180	292053	236.75	ng		99
83)	C316	Hexachlorobutadiene	11.40	225	165014	241.16	ng		96
84)	C314	Naphthalene	11.45	128	631381	219.79	ng		99
85)	C934	1,2,3-Trichlorobenze	11.64	180	272263	231.78	ng		99

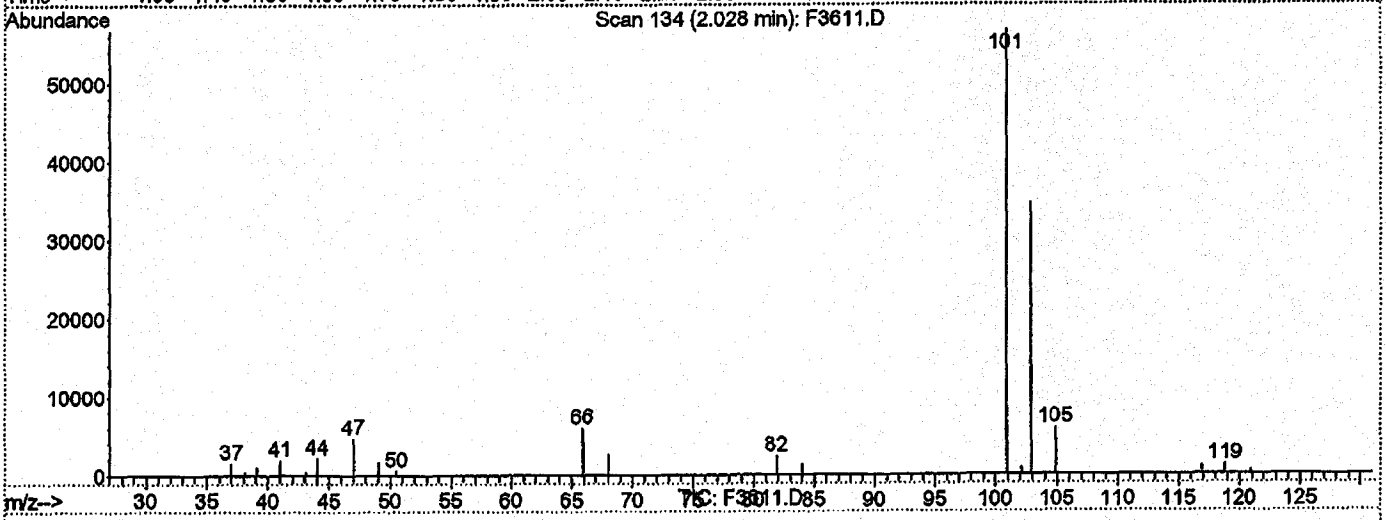
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\080608\F3611.D Vial: 1
Acq On : 6 Aug 2008 9:50 Operator: LH/DHC
Sample : VSTD050 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 6 10:51 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 01:09:08 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

2.03min 178.68ng

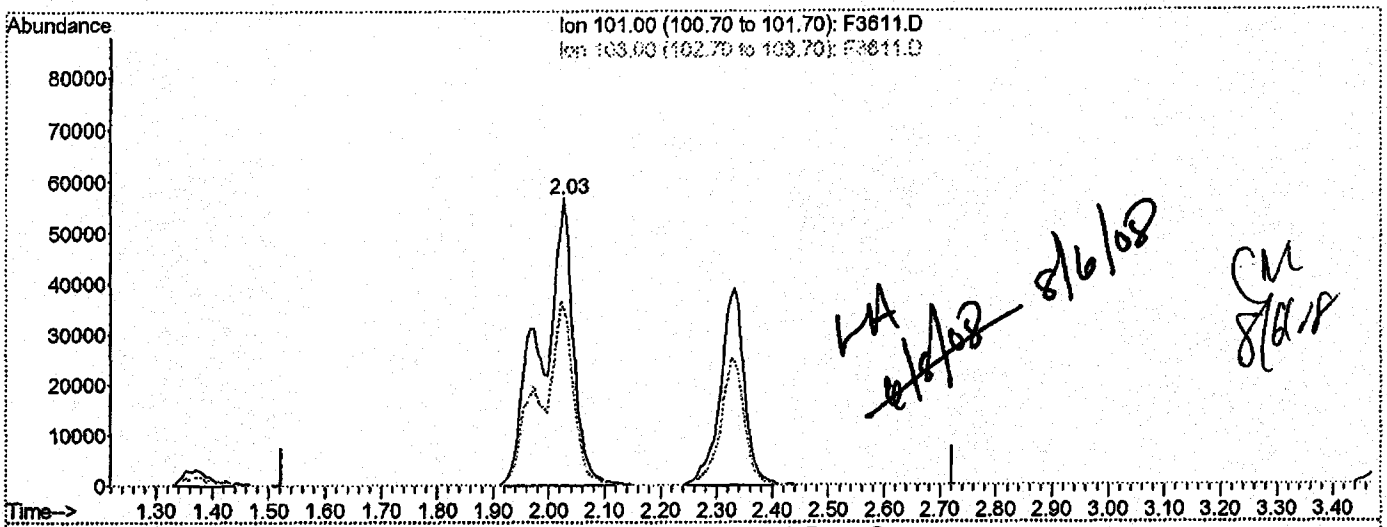
response 137863

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	61.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

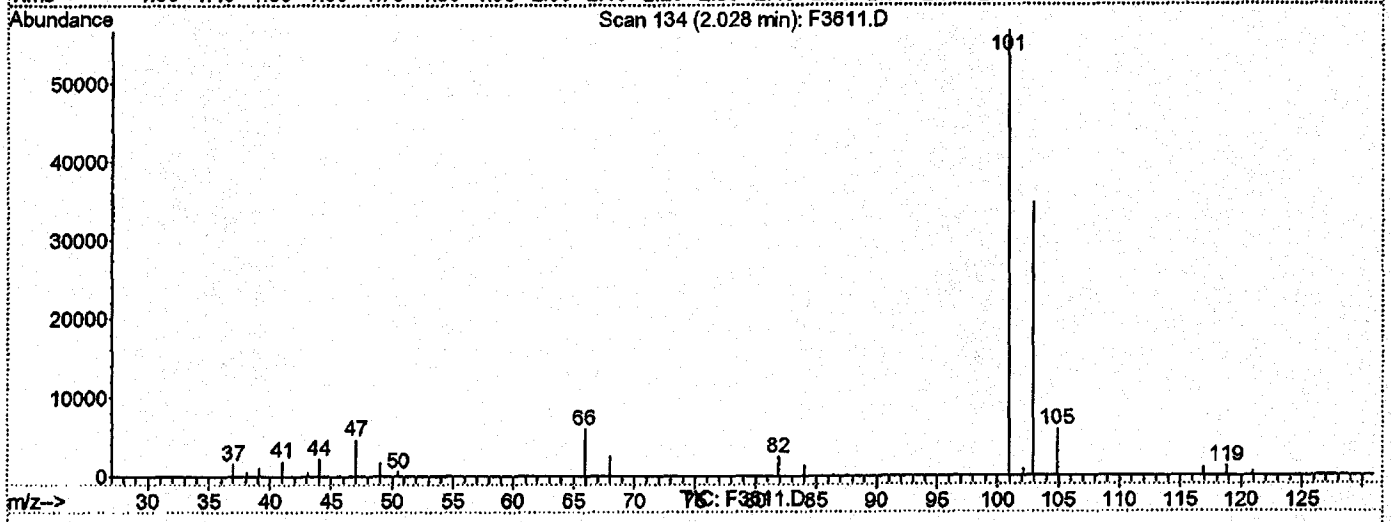
Data File : H:\GCMS_VOA\F\080608\F3611.D Vial: 1
Acq On : 6 Aug 2008 9:50 Operator: LH/DHC
Sample : VSTD050 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 6 10:51 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 01:09:08 2008
Response via : Multiple Level Calibration



LH 8/6/08 8/6/08

CM 8/6/08



(7) C275 Trichlorofluoromethane (T)

2.03min 294.49ng m

response 227222

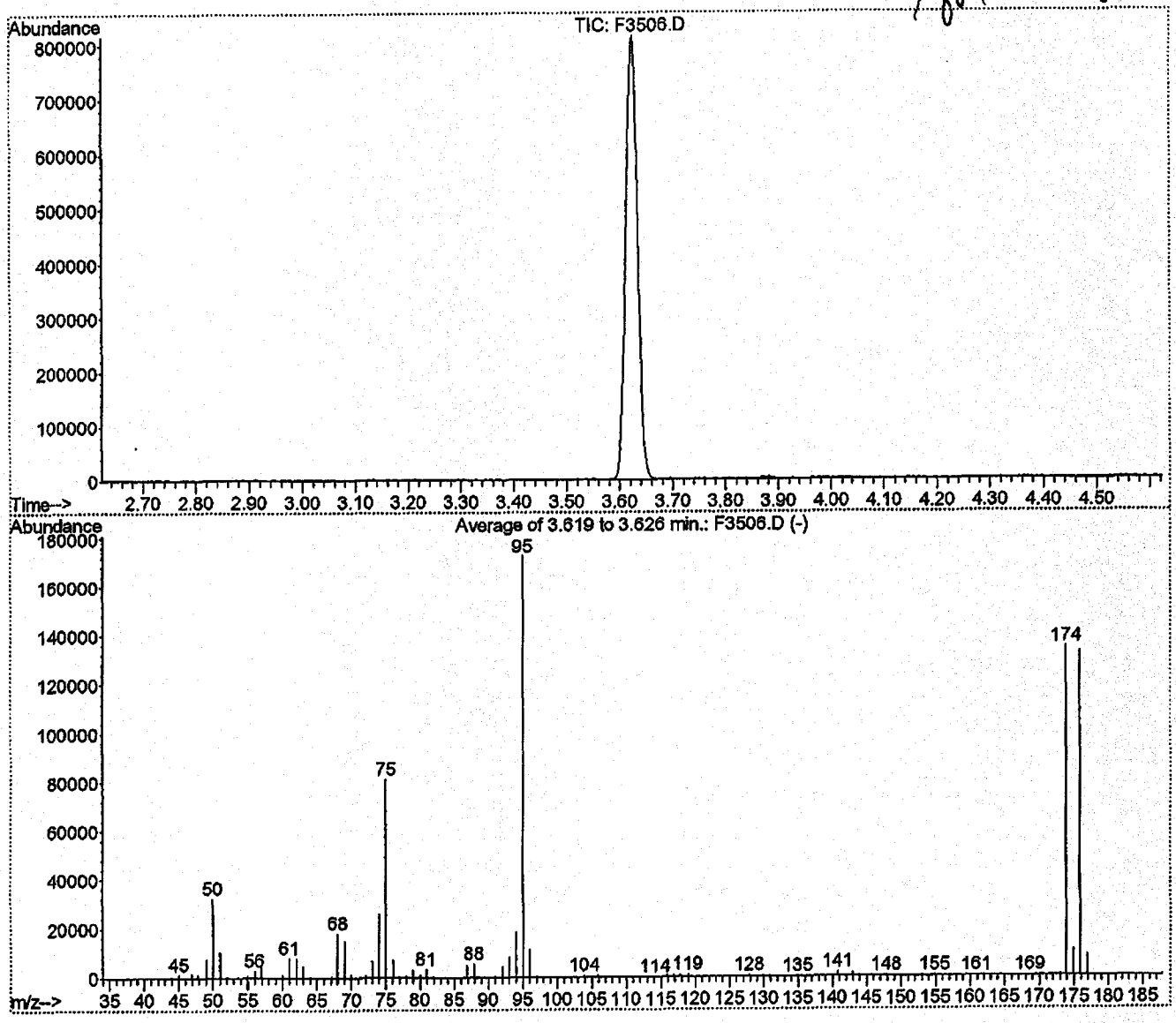
Ion	Exp%	Act%
101.00	100	100
103.00	58.90	61.07
0.00	0.00	0.00
0.00	0.00	0.00

Raw QC Data

BFB Tune Evaluation

Data File : H:\GCMS_VOA\F\080108\F3506.D
Acq On : 1 Aug 2008 19:22
Sample : 0801BFBF1
Misc :
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON

Vial: 1
Operator: CDC
Inst : HP5973F
Multiplr: 1.00



Peak Apex is scan: 485 (3.62 min)
Average of 3 scans: 484,485,486 minus background scan 465 (3.55 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	32248	PASS
75	95	30	60	47.0	81168	PASS
95	95	100	100	100.0	172608	PASS
96	95	5	9	6.5	11279	PASS
173	174	0	2	0.3	387	PASS
174	95	50	100	78.1	134749	PASS
175	174	5	9	7.9	10664	PASS
176	174	95	101	98.7	132933	PASS
177	176	5	9	6.3	8340	PASS

F3506.D A8I00000572.M Fri Aug 01 19:29:23 2008 HP5973P

Average of 3.619 to 3.626 min.: F3506.D
0801BFBF1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
45.05	1211	63.00	4861	80.90	3190	173.90	134749
46.95	1686	68.00	18008	86.90	5037	174.90	10664
47.85	1068	69.00	14723	87.90	5455	175.90	132933
49.00	7152	70.00	1106	92.00	4603	176.90	8340
50.00	32248	72.05	882	93.00	8259		
51.00	10418	72.95	6808	94.00	18338		
56.00	2829	74.00	25864	95.00	172608		
56.95	4406	75.00	81168	96.00	11279		
59.95	1178	76.05	7309	118.95	940		
61.00	7884	78.90	2996	140.80	1592		
62.00	7609	80.05	922	142.95	1368		

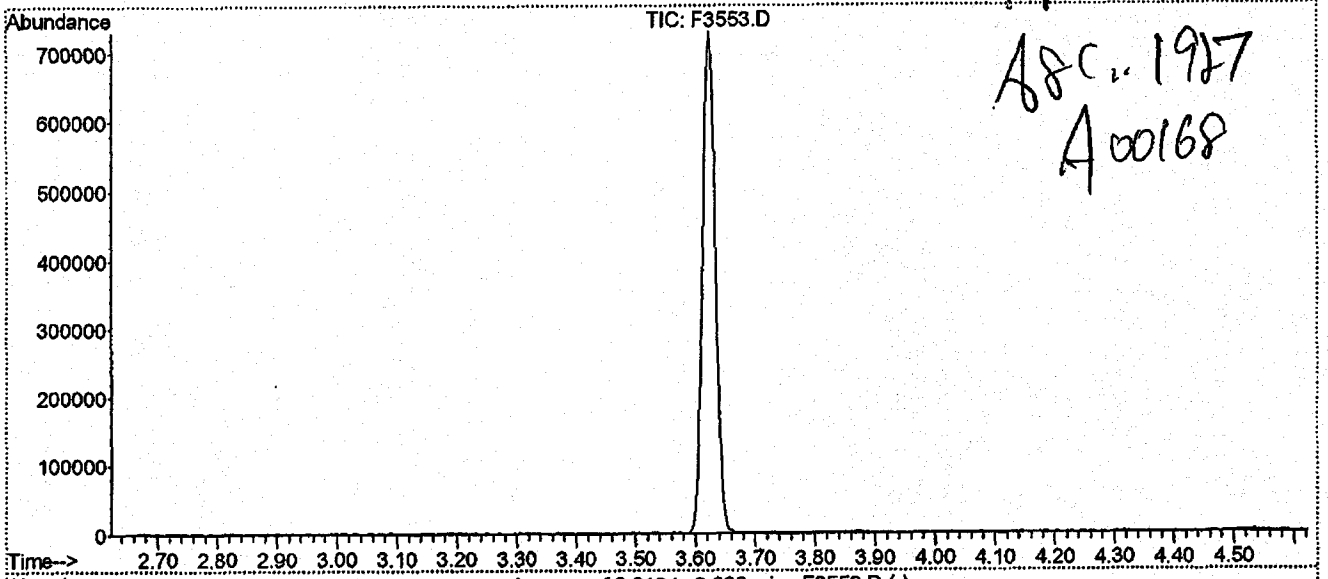
A8I20087

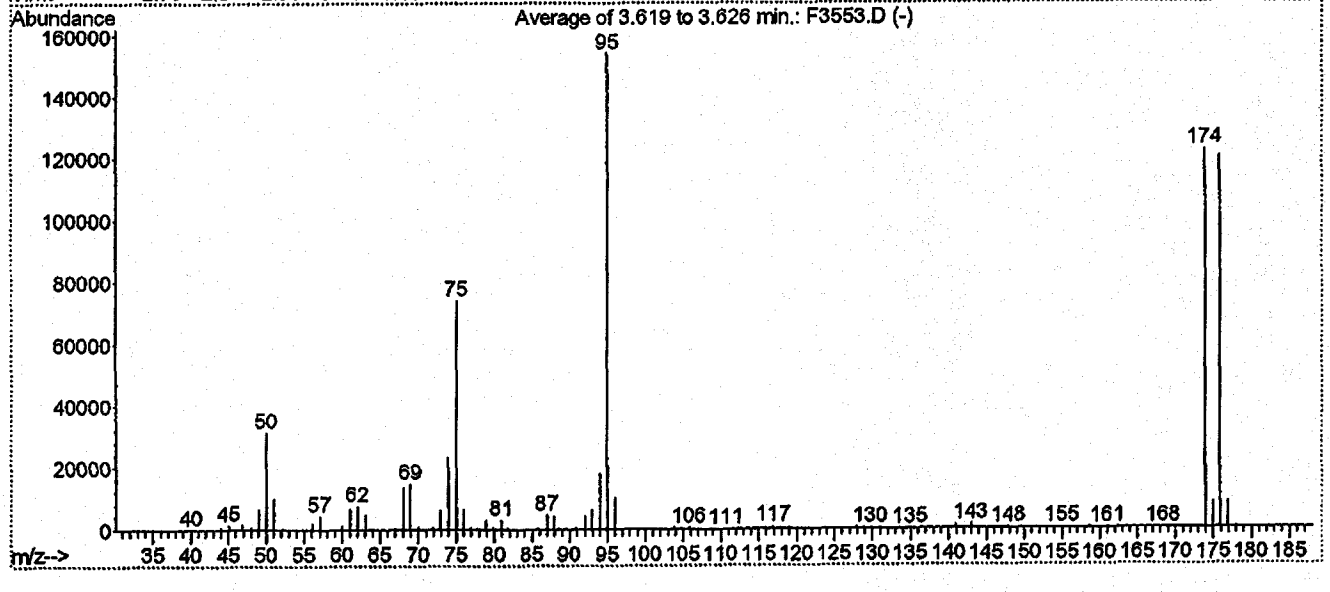
BFB Tune Evaluation

Data File : H:\GCMS_VOA\F\080408\F3553.D
Acq On : 4 Aug 2008 21:39
Sample : 0804BFBF2
Misc :
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON

Vial: 1
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

A8I-2272
A8C-1987
A00168





Peak Apex is scan: 485 (3.62 min)
Average of 3 scans: 484,485,486 minus background scan 465 (3.55 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	20.4	31485	PASS
75	95	30	60	47.9	73970	PASS
95	95	100	100	100.0	154282	PASS
96	95	5	9	6.6	10137	PASS
173	174	0	2	0.2	277	PASS
174	95	50	100	79.4	122504	PASS
175	174	5	9	6.8	8351	PASS
176	174	95	101	98.0	120098	PASS
177	176	5	9	6.9	8230	PASS

F3553.D A8I00000572.M Mon Aug 04 21:47:20 2008 HP5973P

Average of 3.619 to 3.626 min.: F3553.D
0804BFBF2
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
44.05	918	62.00	7523	80.90	3092	173.90	122504
45.05	1552	63.05	4622	86.95	4587	174.95	8351
46.90	1561	68.00	13587	87.90	4040	175.90	120098
48.00	885	68.95	14816	92.00	4160	176.95	8230
49.05	6480	70.10	1010	92.95	6388		
50.00	31485	71.95	853	93.95	18026		
51.00	9874	72.95	6073	95.00	154282		
56.05	2009	74.00	23309	96.00	10137		
57.00	4359	75.00	73970	116.90	858		
59.95	1244	75.95	6467	140.90	1223		
61.00	6404	78.90	3065	142.95	1396		

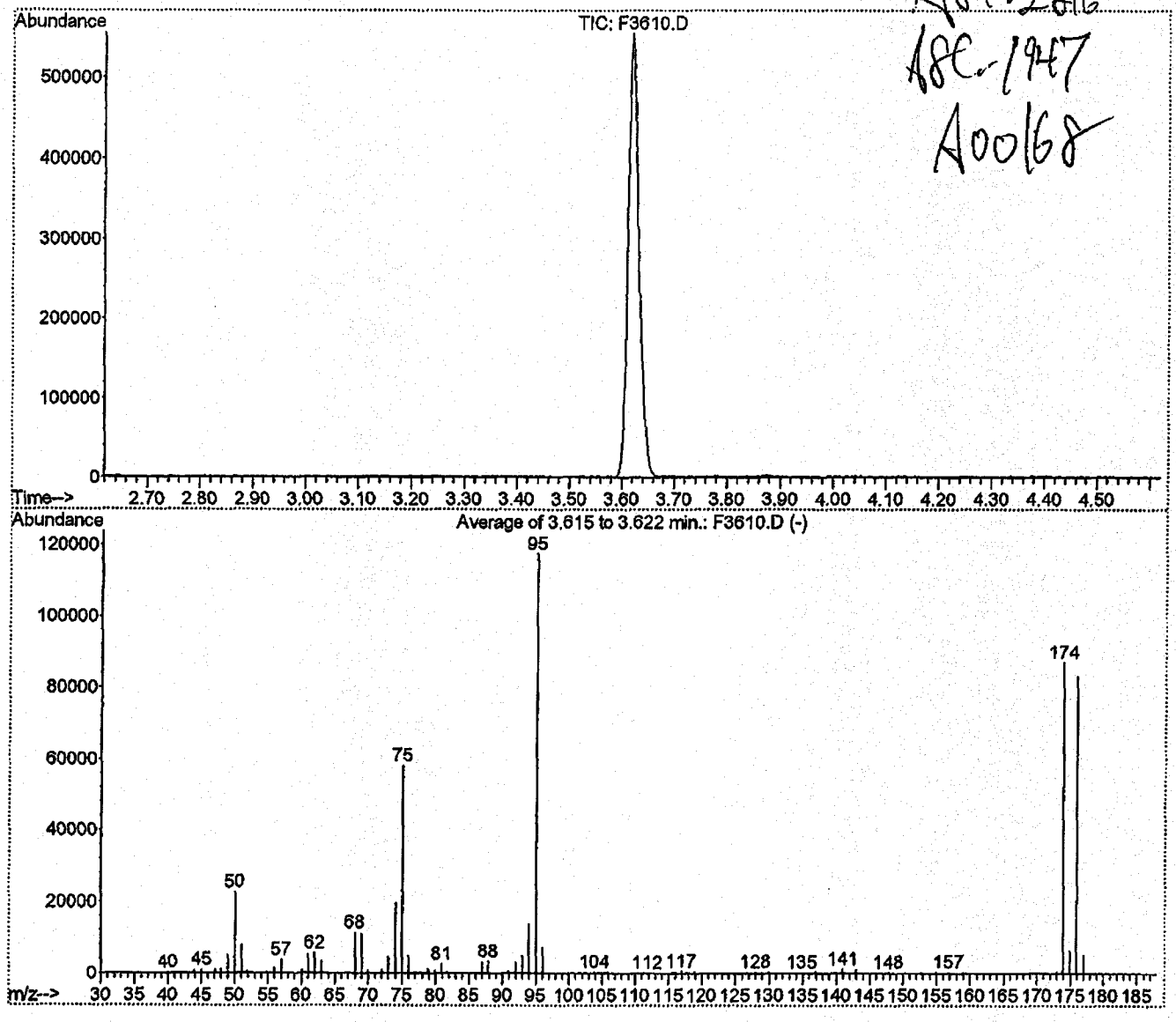
BFB Tune Evaluation

A8I20172

Data File : H:\GCMS_VOA\F\080608\F3610.D
Acq On : 6 Aug 2008 9:18
Sample : 0806BFBF1
Misc :
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON

Vial: 1
Operator: LH/DHC
Inst : HP5973F
Multiplr: 1.00

A8C-2296
A8C-1947
A00168



Peak Apex is scan: 484 (3.62 min)
Average of 3 scans: 483,484,485 minus background scan 464 (3.55 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	22658	PASS
75	95	30	60	49.4	58128	PASS
95	95	100	100	100.0	117672	PASS
96	95	5	9	6.2	7291	PASS
173	174	0	2	0.5	441	PASS
174	95	50	100	74.1	87245	PASS
175	174	5	9	7.2	6284	PASS
176	174	95	101	95.4	83202	PASS
177	176	5	9	6.2	5159	PASS

F3610.D A8I00000572.M Wed Aug 06 10:51:46 2008 HP5973P

Average of 3.615 to 3.622 min.: F3610.D
0806BFBF1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
43.90	656	62.00	5699	79.00	701	142.85	1026
45.05	958	63.00	3368	79.90	771	173.90	87245
47.05	950	68.00	11337	80.90	2497	174.95	6284
47.95	1024	69.00	10948	87.00	3148	175.90	83202
49.00	5044	69.95	716	87.90	3374	177.00	5159
50.00	22658	72.00	713	91.95	3066		
51.05	7887	73.00	4451	93.00	4912		
56.00	1366	74.00	19608	94.00	13761		
57.00	3775	75.00	58128	95.00	117672		
60.05	1104	76.00	4894	96.00	7291		
61.00	5307	78.80	1166	140.95	1222		

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK73

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B2008702

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3558.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK73

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B2008702

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3558.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

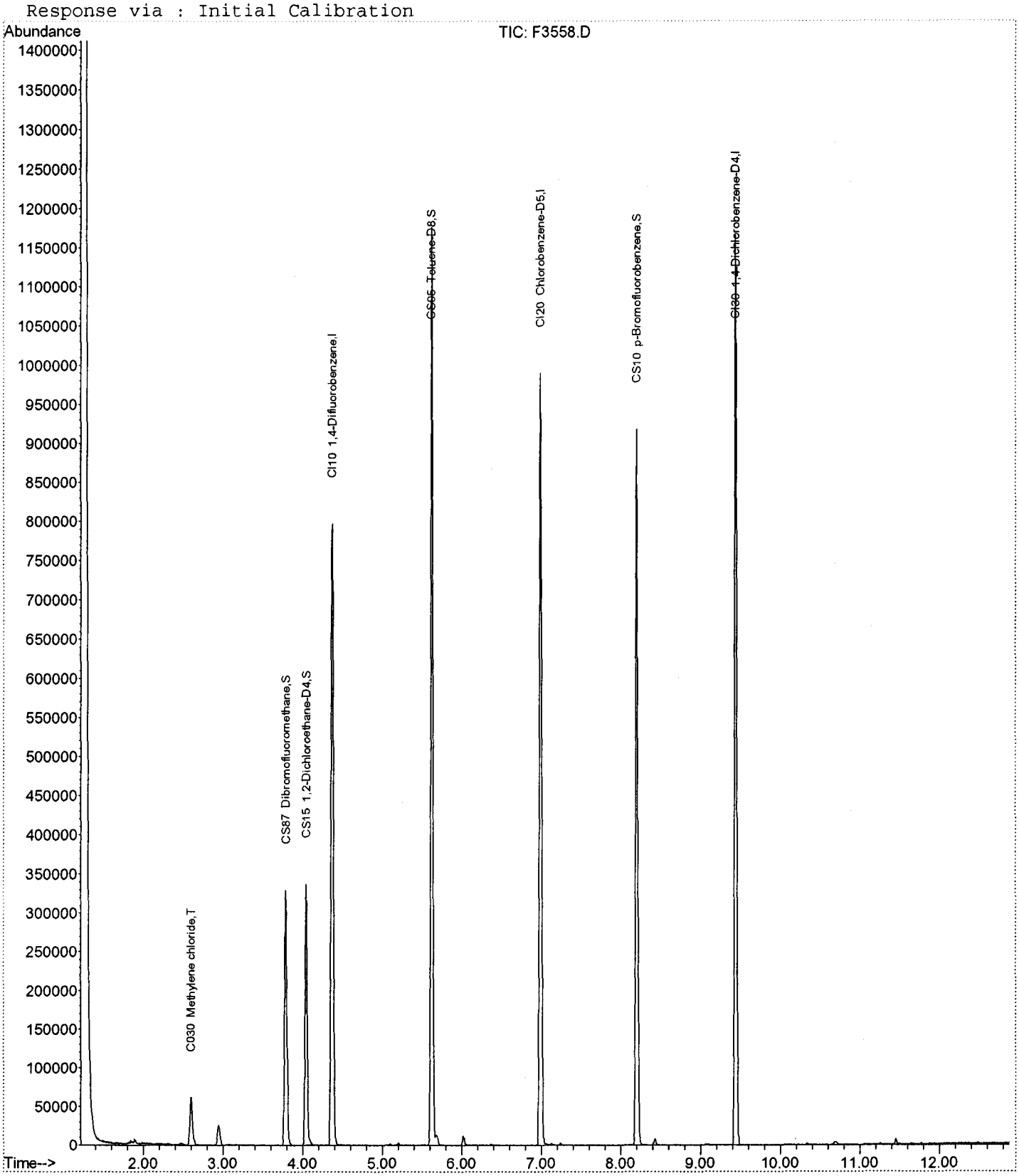
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	15	U

Data File : H:\GCMS_VOA\TEMP\F3558.D
Acq On : 5 Aug 2008 00:23
Sample : VBLK73
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 5 0:42 2008

Vial: 5
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 11 11:21:10 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3558.D Vial: 5
Acq On : 5 Aug 2008 00:23 Operator: CDC
Sample : VBLK73 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 05 00:42:57 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 04 23:50:40 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080408\F3554.D (4 Aug 2008 22:04)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	658451	250.00	ng	0.00 93.49%
43) CI20	Chlorobenzene-D5	6.99	82	333592	250.00	ng	0.00 94.09%
63) CI30	1,4-Dichlorobenzene-	9.44	152	308416	250.00	ng	0.00 93.70%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.79	111	205415	279.93	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery =	111.97%		
32) CS15	1,2-Dichloroethane-D	4.05	65	258774	263.10	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery =	105.24%		
44) CS05	Toluene-D8	5.62	98	832655	285.09	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery =	114.04%		
62) CS10	p-Bromofluorobenzene	8.20	174	273216	275.11	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery =	110.04%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	1.98	101	299	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	33769	5.58	ng	83
11) C040	Carbon disulfide	2.47	76	4534	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.32	43	1643	N.D.		
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	3.68	83	284	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

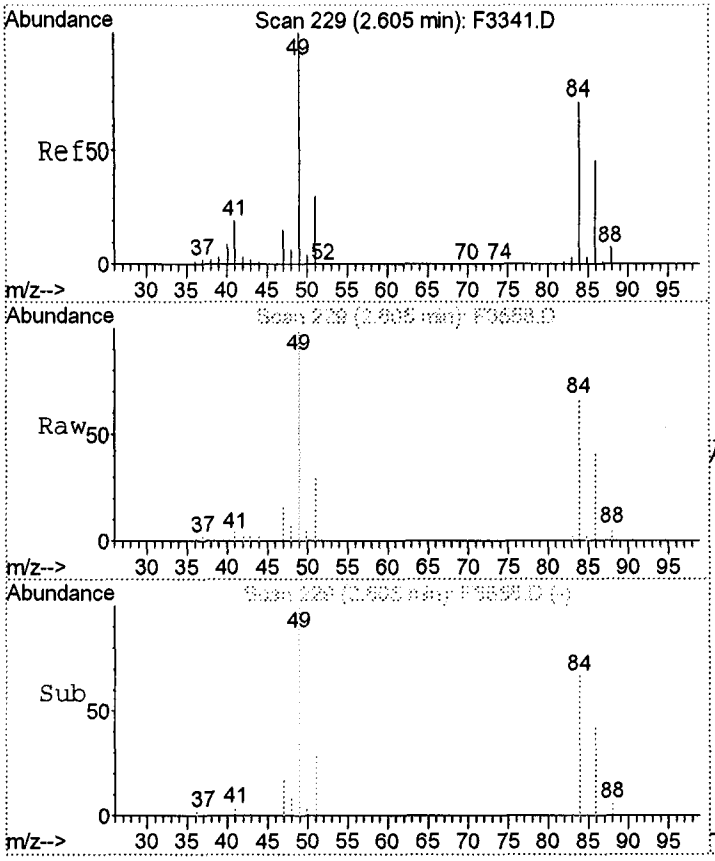
(#) = qualifier out of range (m) = manual integration

Data File : H:\GCMS_VOA\TEMP\F3558.D Vial: 5
Acq On : 5 Aug 2008 00:23 Operator: CDC
Sample : VBLK73 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 05 00:42:57 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 04 23:50:40 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	4.10	78	1540	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	0.00	43	0	N.D.	
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.69	92	6219	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.62	43	3122	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	6.27	43	262	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.13	91	2235	N.D.	
58)	C246	m,p-Xylene	7.25	106	837	N.D.	
59)	C247	o-Xylene	7.64	106	289	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	8.47	91	356	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.67	105	168	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.07	105	1312	N.D.	
75)	C308	sec-Butylbenzene	9.07	105	1312	N.D.	
76)	C260	1,3-Dichlorobenzene	9.47	146	2663	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.47	146	2663	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	9.83	91	188	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	11.26	180	472	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	7116	N.D.	
85)	C934	1,2,3-Trichlorobenze	11.65	180	351	N.D.	

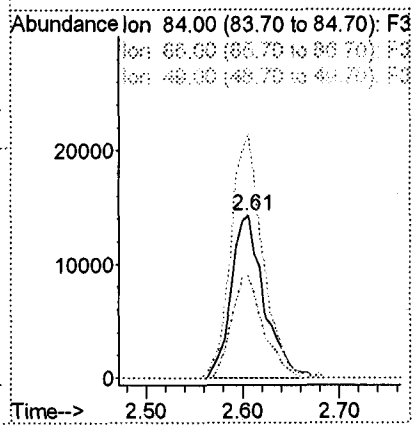
(#) = qualifier out of range (m) = manual integration



#10
C030 Methylene chloride
Concen: 5.58 ng
RT: 2.61 min Scan# 229
Delta R.T. 0.00 min
Lab File: F3558.D
Acq: 5 Aug 2008 00:23

Tgt Ion: 84 Resp: 33769

Ion	Ratio	Lower	Upper
84	100		
86	62.7	40.0	100.0
49	149.5	95.0	155.0



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK77

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B2017203

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3615.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK77

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B2017203

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3615.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

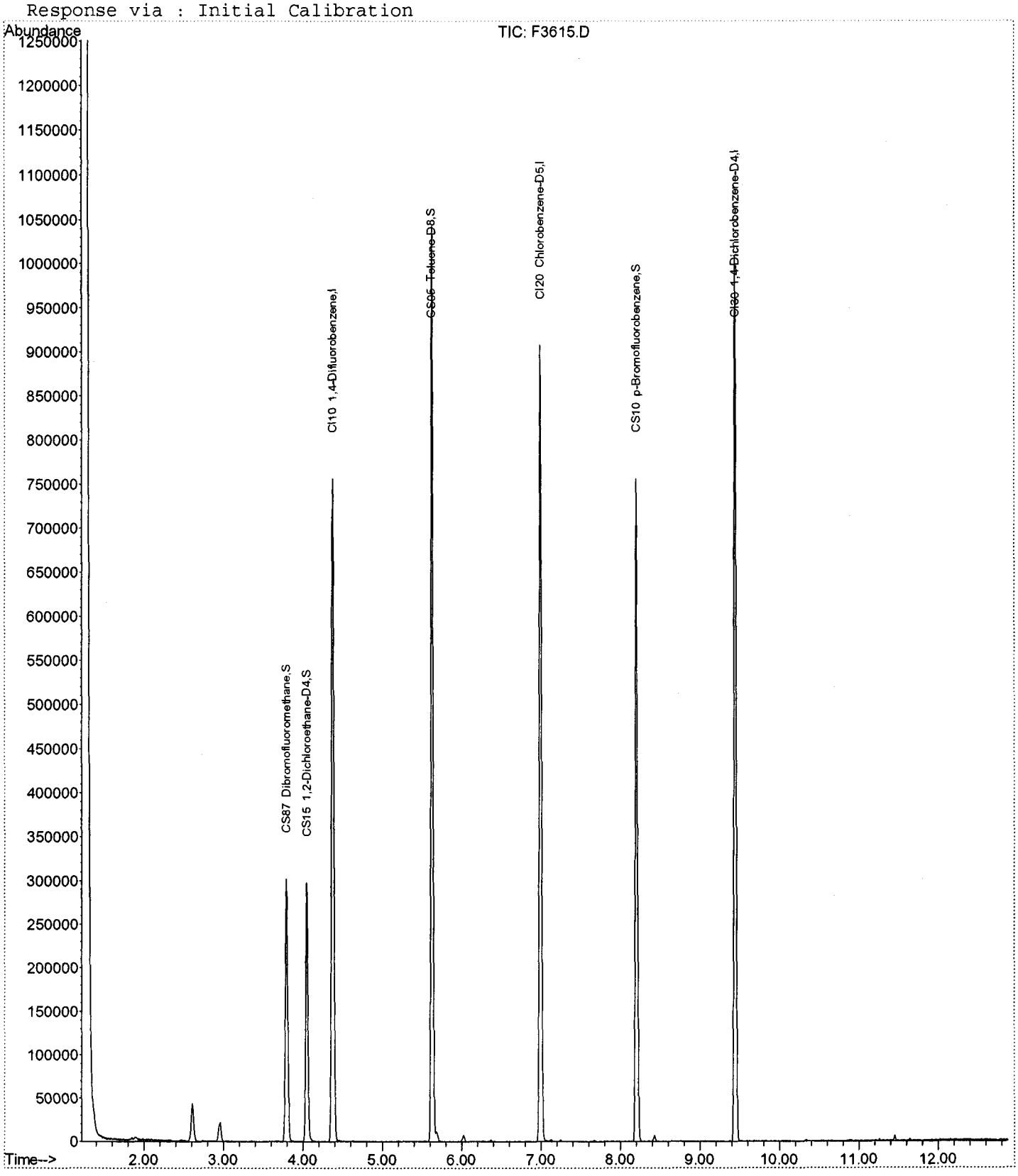
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	15	U

Data File : H:\GCMS_VOA\TEMP\F3615.D
Acq On : 6 Aug 2008 11:39
Sample : VBLK77
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 11:52 2008

Vial: 5
Operator: LH/DHC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 11 11:21:10 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3615.D Vial: 5
Acq On : 6 Aug 2008 11:39 Operator: LH/DHC
Sample : VBLK77 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 06 11:52:59 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 10:52:43 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080608\F3611.D (6 Aug 2008 9:50)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	598913	250.00	ng	0.00 101.56%
43) CI20	Chlorobenzene-D5	6.99	82	300505	250.00	ng	0.00 100.51%
63) CI30	1,4-Dichlorobenzene-	9.44	152	269440	250.00	ng	0.00 94.07%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.79	111	184931	277.07	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	110.83%	
32) CS15	1,2-Dichloroethane-D	4.05	65	232425	259.81	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	103.92%	
44) CS05	Toluene-D8	5.62	98	742871	282.36	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	112.94%	
62) CS10	p-Bromofluorobenzene	8.20	174	225407	251.96	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	100.78%	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	23628	Below Cal		82
11) C040	Carbon disulfide	2.47	76	3561	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.31	43	1746	N.D.		
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	3.68	83	485	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

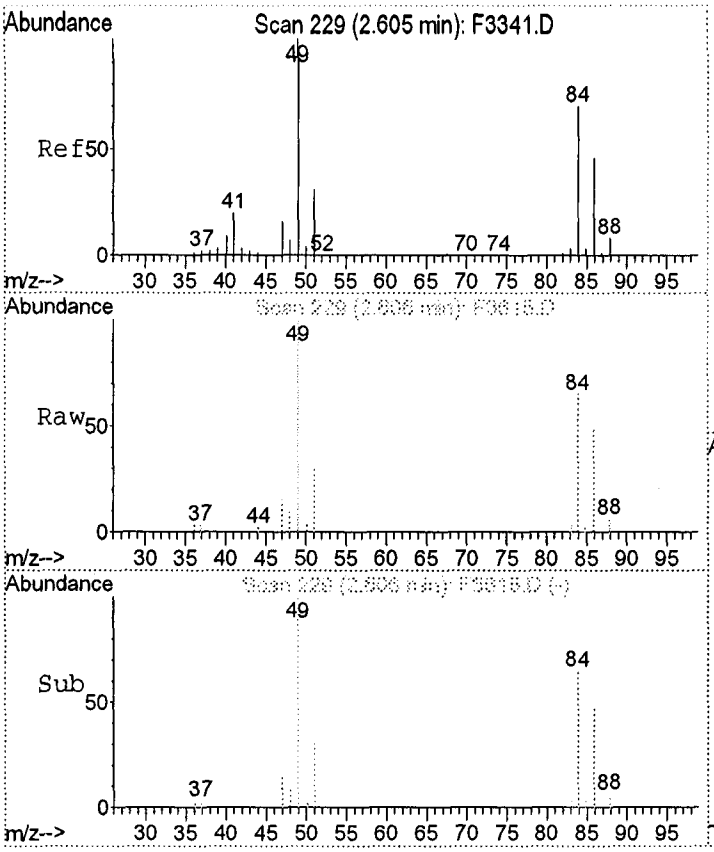
(#) = qualifier out of range (m) = manual integration

Data File : H:\GCMS_VOA\TEMP\F3615.D Vial: 5
Acq On : 6 Aug 2008 11:39 Operator: LH/DHC
Sample : VBLK77 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 06 11:52:59 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 10:52:43 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	4.10	78	702	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	0.00	43	0	N.D.	
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.69	92	4835	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.62	43	3201	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	6.27	43	362	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.12	91	1856	N.D.	
58)	C246	m,p-Xylene	7.25	106	991	N.D.	
59)	C247	o-Xylene	7.66	106	269	N.D.	
60)	C245	Styrene	7.67	104	395	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	8.48	91	297	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	0.00	105	0	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	671	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	671	N.D.	
76)	C260	1,3-Dichlorobenzene	9.38	146	153	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.47	146	1845	N.D.	
79)	C249	1,2-Dichlorobenzene	9.84	146	151	N.D.	
80)	C310	n-Butylbenzene	9.83	91	142	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	11.26	180	504	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	4845	N.D.	
85)	C934	1,2,3-Trichlorobenze	11.65	180	735	N.D.	

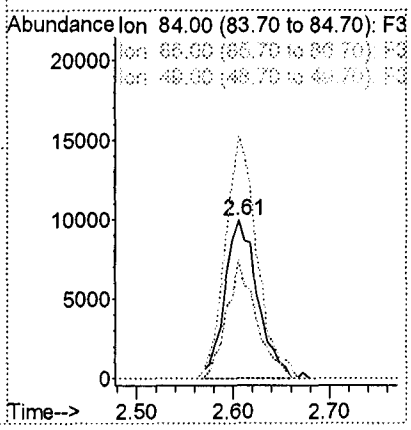
(#) = qualifier out of range (m) = manual integration



#10
C030 Methylene chloride
Concen: Below Cal
RT: 2.61 min Scan# 229
Delta R.T. -0.01 min
Lab File: F3615.D
Acq: 6 Aug 2008 11:39

Tgt Ion: 84 Resp: 23628

Ion	Ratio	Lower	Upper
84	100		
86	74.5	40.0	100.0
49	153.8	95.0	155.0



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: MSB73

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B2008701

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3555.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. 0 Heated Purge: Y Date Analyzed: 08/04/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	250	
71-43-2	Benzene	51	
75-27-4	Bromodichloromethane	51	
75-25-2	Bromoform	50	
74-83-9	Bromomethane	50	
78-93-3	2-Butanone	250	
75-15-0	Carbon Disulfide	52	
56-23-5	Carbon Tetrachloride	50	
108-90-7	Chlorobenzene	49	
75-00-3	Chloroethane	48	
67-66-3	Chloroform	50	
74-87-3	Chloromethane	49	
110-82-7	Cyclohexane	52	
106-93-4	1,2-Dibromoethane	49	
124-48-1	Dibromochloromethane	51	
96-12-8	1,2-Dibromo-3-chloropropane	49	
95-50-1	1,2-Dichlorobenzene	51	
541-73-1	1,3-Dichlorobenzene	51	
106-46-7	1,4-Dichlorobenzene	50	
75-71-8	Dichlorodifluoromethane	50	
75-34-3	1,1-Dichloroethane	50	
107-06-2	1,2-Dichloroethane	49	
75-35-4	1,1-Dichloroethene	53	
156-59-2	cis-1,2-Dichloroethene	50	
156-60-5	trans-1,2-Dichloroethene	51	
78-87-5	1,2-Dichloropropane	50	
10061-01-5	cis-1,3-Dichloropropene	51	
10061-02-6	trans-1,3-Dichloropropene	50	
100-41-4	Ethylbenzene	51	
591-78-6	2-Hexanone	260	
98-82-8	Isopropylbenzene	47	
79-20-9	Methyl acetate	39	
108-87-2	Methylcyclohexane	51	
75-09-2	Methylene chloride	51	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MSB73

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B2008701

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3555.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. 0 Heated Purge: Y Date Analyzed: 08/04/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

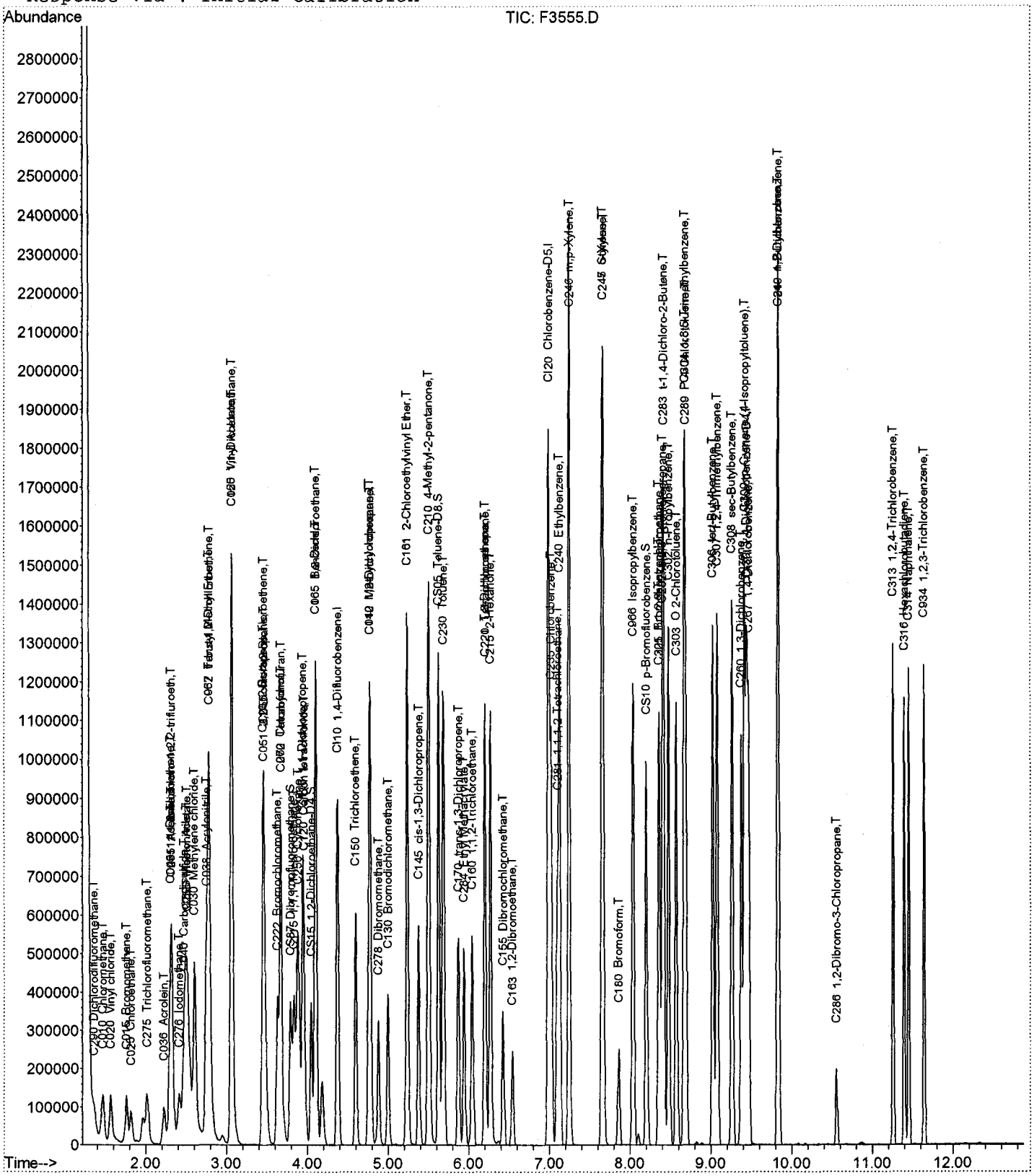
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	260	
1634-04-4	Methyl-t-Butyl Ether (MTBE)	52	
100-42-5	Styrene	52	
79-34-5	1,1,2,2-Tetrachloroethane	54	
127-18-4	Tetrachloroethene	51	
108-88-3	Toluene	49	
120-82-1	1,2,4-Trichlorobenzene	50	
71-55-6	1,1,1-Trichloroethane	51	
79-00-5	1,1,2-Trichloroethane	52	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	53	
75-69-4	Trichlorofluoromethane	49	
79-01-6	Trichloroethene	50	
75-01-4	Vinyl chloride	51	
1330-20-7	Total Xylenes	150	

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\F3555.D Vial: 2
Acq On : 4 Aug 2008 22:58 Operator: CDC
Sample : MSB FULL Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 4 23:51 2008 Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 11 11:21:10 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3555.D
Acq On : 4 Aug 2008 22:58
Sample : MSB FULL
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 04 23:50:52 2008

Vial: 2
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 04 23:50:40 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080408\F3554.D (4 Aug 2008 22:04)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	716584	250.00	ng	0.00 101.74%
43) CI20	Chlorobenzene-D5	6.99	82	352731	250.00	ng	0.00 99.49%
63) CI30	1,4-Dichlorobenzene-	9.44	152	329480	250.00	ng	0.00 100.10%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.79	111	223725	280.15	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	112.06%	
32) CS15	1,2-Dichloroethane-D	4.05	65	289974	270.91	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	108.36%	
44) CS05	Toluene-D8	5.62	98	898877	291.07	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	116.43%	
62) CS10	p-Bromofluorobenzene	8.20	174	300914	286.56	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	114.62%	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.36	85	158829	251.47	ng	99
3) C010	Chloromethane	1.47	50	196244	244.55	ng	97
4) C020	Vinyl chloride	1.57	62	178768	253.56	ng	93
5) C015	Bromomethane	1.76	94	101393	252.34	ng	80
6) C025	Chloroethane	1.81	64	87093	241.78	ng	92
7) C275	Trichlorofluorometha	2.02	101	230663m	246.02	ng	93
8) C291	1,1,2-Trichloro-1,2,	2.32	101	139564	266.42	ng	96
9) C045	1,1-Dichloroethene	2.30	96	137175	263.89	ng	# 77
10) C030	Methylene chloride	2.61	84	240349	253.91	ng	89
11) C040	Carbon disulfide	2.47	76	485376	258.01	ng	98
12) C036	Acrolein	2.22	56	127663	1527.68	ng	99
13) C038	Acrylonitrile	2.75	53	425267	1294.16	ng	99
14) C035	Acetone	2.31	43	272934	1248.94	ng	89
15) C300	Acetonitrile	2.50	41	1007453	10540.92	ng	100
16) C276	Iodomethane	2.41	142	210804	204.81	ng	89
17) C255	Methyl Acetate	2.51	43	259822	196.66	ng	# 90
18) C962	T-butyl Methyl Ether	2.78	73	632063	258.81	ng	90
19) C057	trans-1,2-Dichloroet	2.78	96	211230	254.90	ng	90
20) C050	1,1-Dichloroethane	3.06	63	364265	248.17	ng	99
21) C125	Vinyl Acetate	3.07	43	2034841	1427.76	ng	98
22) C051	2,2-Dichloropropane	3.47	77	310735	250.09	ng	93
23) C056	cis-1,2-Dichloroethe	3.46	96	223855	249.37	ng	94
24) C272	Tetrahydrofuran	3.66	42	334134	1240.41	ng	98
25) C222	Bromochloromethane	3.63	128	109203	251.65	ng	97
26) C060	Chloroform	3.68	83	365532	249.53	ng	99
28) C256	Cyclohexane	3.88	56	375605	257.84	ng	# 100
29) C115	1,1,1-Trichloroethan	3.83	97	328635	253.15	ng	97
30) C120	Carbon tetrachloride	3.96	117	261802	252.50	ng	92
31) C116	1,1-Dichloropropene	3.94	75	268619	251.44	ng	90

(#) = qualifier out of range (m) = manual integration

Data File : H:\GCMS_VOA\TEMP\F3555.D Vial: 2
Acq On : 4 Aug 2008 22:58 Operator: CDC
Sample : MSB FULL Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 04 23:50:52 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 04 23:50:40 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.10	78	788326	254.86	ng		98
34)	C065	1,2-Dichloroethane	4.10	62	317970	245.42	ng		92
35)	C110	2-Butanone	3.44	43	528703	1263.30	ng		89
36)	C150	Trichloroethene	4.59	95	214229	250.95	ng		98
37)	C161	2-Chloroethylvinyl E	5.23	63	606644	1238.37	ng		81
38)	C012	Methylcyclohexane	4.77	83	336731	253.06	ng	#	74
39)	C140	1,2-Dichloropropane	4.78	63	204957	250.25	ng		100
40)	C278	Dibromomethane	4.87	93	124000	253.45	ng		95
41)	C130	Bromodichloromethane	5.00	83	271806	256.82	ng		100
42)	C145	cis-1,3-Dichloroprop	5.38	75	330471	255.75	ng		96
45)	C230	Toluene	5.68	92	527391	244.99	ng		90
46)	C170	trans-1,3-Dichloropr	5.87	75	305132	251.81	ng		98
47)	C284	Ethyl Methacrylate	5.95	69	263506	255.41	ng		93
48)	C160	1,1,2-Trichloroethan	6.04	83	145635	258.49	ng		96
49)	C210	4-Methyl-2-pentanone	5.50	43	1112677	1297.83	ng		94
50)	C220	Tetrachloroethene	6.19	166	224667	254.01	ng		94
51)	C221	1,3-Dichloropropane	6.21	76	303020	249.04	ng		98
52)	C155	Dibromochloromethane	6.43	129	195713	257.38	ng		85
53)	C163	1,2-Dibromoethane	6.54	107	174513	246.15	ng		88
54)	C215	2-Hexanone	6.27	43	793690	1285.02	ng		95
55)	C235	Chlorobenzene	7.02	112	547986	247.22	ng		97
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	195736	251.32	ng		99
57)	C240	Ethylbenzene	7.13	91	995188	253.12	ng		98
58)	C246	m,p-Xylene	7.25	106	707193	503.77	ng		85
59)	C247	o-Xylene	7.65	106	354428	251.42	ng	#	75
60)	C245	Styrene	7.67	104	591774	258.87	ng		93
61)	C180	Bromoform	7.86	173	129087	247.95	ng		86
64)	C966	Isopropylbenzene	8.04	105	836502	234.33	ng		92
65)	C301	Bromobenzene	8.37	156	234532	253.09	ng		95
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	232053	268.38	ng		90
67)	C282	1,2,3-Trichloropropa	8.40	110	65670	236.45	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	378265	1217.18	ng		95
69)	C302	n-Propylbenzene	8.48	91	1155222	257.03	ng		96
70)	C303	O 2-Chlorotoluene	8.57	126	230505	257.27	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	229415	250.72	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	798594	258.93	ng		81
73)	C306	tert-Butylbenzene	9.02	134	175037	258.53	ng		87
74)	C307	1,2,4-Trimethylbenze	9.08	105	819565	259.09	ng		89
75)	C308	sec-Butylbenzene	9.26	105	1021567	277.08	ng		93
76)	C260	1,3-Dichlorobenzene	9.38	146	450384	253.74	ng		95
77)	C309	p-Cymene (4-Isopropy	9.42	119	855666	248.55	ng		98
78)	C267	1,4-Dichlorobenzene	9.47	146	456754	249.17	ng		96
79)	C249	1,2-Dichlorobenzene	9.84	146	429737	254.09	ng		99
80)	C310	n-Butylbenzene	9.83	91	840235	260.07	ng		99
81)	C286	1,2-Dibromo-3-Chloro	10.56	75	44449	243.97	ng		98
82)	C313	1,2,4-Trichlorobenze	11.26	180	356701	251.36	ng		98
83)	C316	Hexachlorobutadiene	11.40	225	196233	249.30	ng		99
84)	C314	Naphthalene	11.45	128	803011	243.00	ng		100
85)	C934	1,2,3-Trichlorobenze	11.64	180	337487	249.75	ng		97

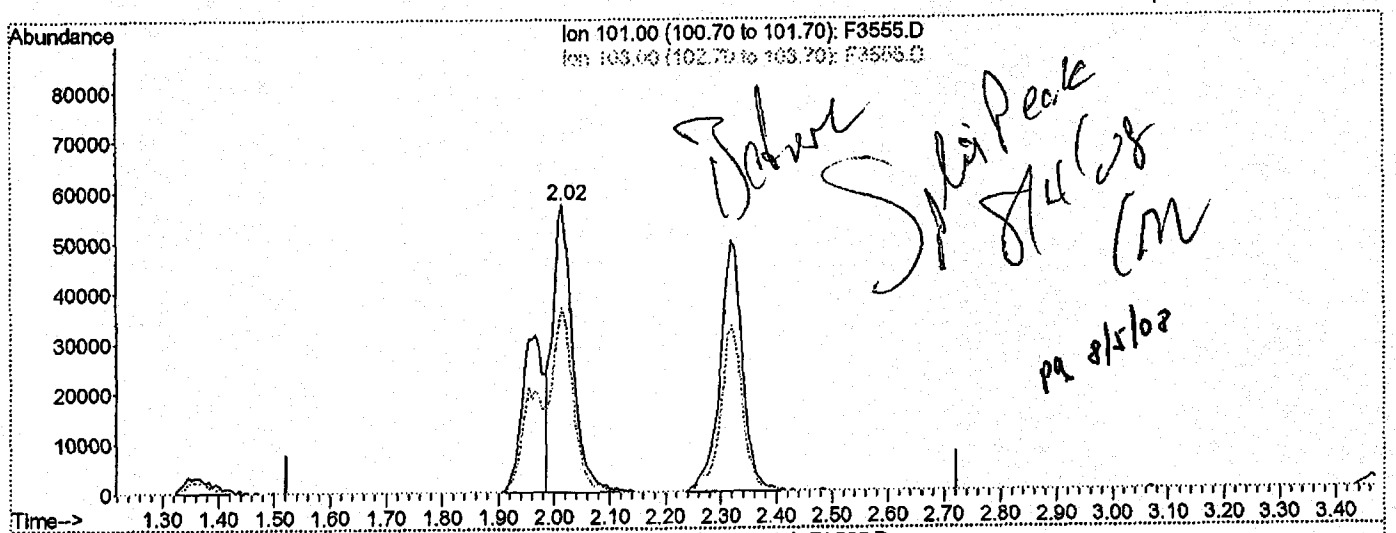
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\080408\F3555.D
Acq On : 4 Aug 2008 22:58
Sample : MSB FULL
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 4 23:50 2008

Vial: 2
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 04 23:50:40 2008
Response via : Multiple Level Calibration



(7) C275 Trichlorofluoromethane (T)

2.02min 154.29ng

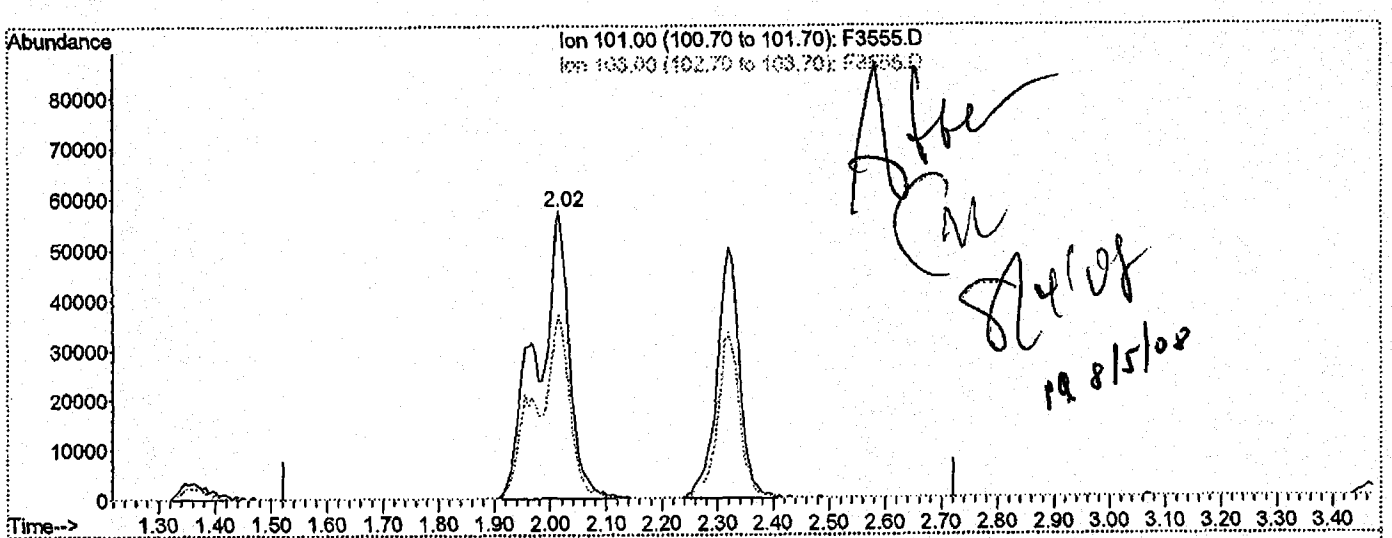
response 144653

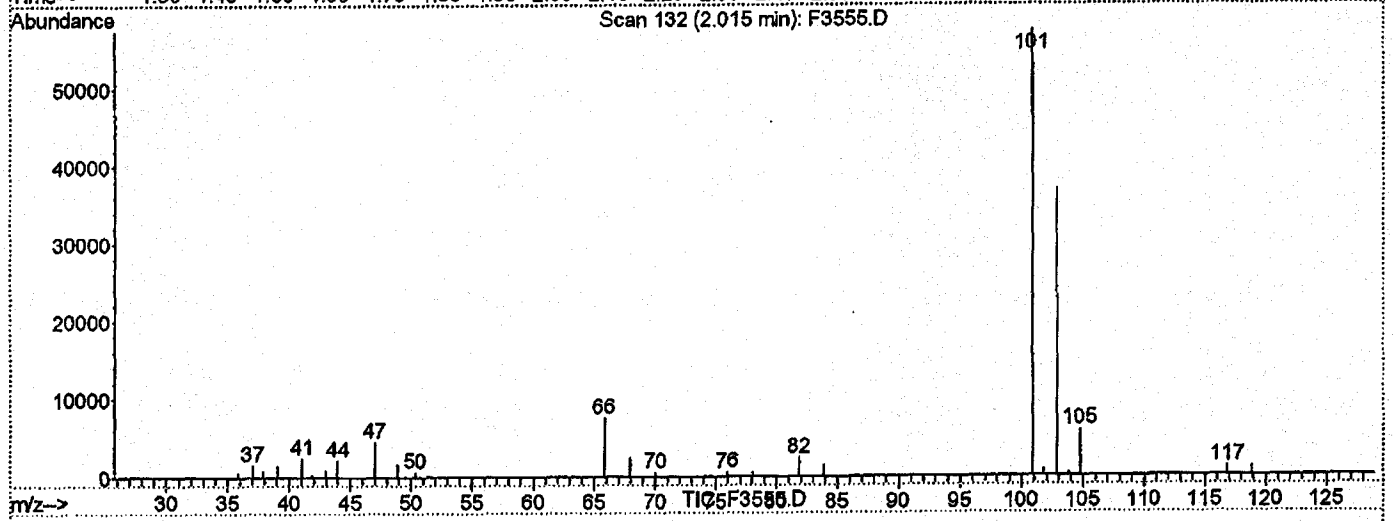
Ion	Exp%	Act%
101.00	100	100
103.00	58.90	64.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\080408\F3555.D Vial: 2
Acq On : 4 Aug 2008 22:58 Operator: CDC
Sample : MSB FULL Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 4 23:51 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 04 23:50:40 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

2.02min 246.02ng m

response 230663

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	64.21
0.00	0.00	0.00
0.00	0.00	0.00

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MSB77

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B2017201

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3613.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. 0 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	240	
71-43-2	Benzene	49	
75-27-4	Bromodichloromethane	51	
75-25-2	Bromoform	47	
74-83-9	Bromomethane	50	
78-93-3	2-Butanone	230	
75-15-0	Carbon Disulfide	47	
56-23-5	Carbon Tetrachloride	52	
108-90-7	Chlorobenzene	48	
75-00-3	Chloroethane	47	
67-66-3	Chloroform	50	
74-87-3	Chloromethane	44	
110-82-7	Cyclohexane	46	
106-93-4	1,2-Dibromoethane	47	
124-48-1	Dibromochloromethane	48	
96-12-8	1,2-Dibromo-3-chloropropane	45	
95-50-1	1,2-Dichlorobenzene	48	
541-73-1	1,3-Dichlorobenzene	48	
106-46-7	1,4-Dichlorobenzene	48	
75-71-8	Dichlorodifluoromethane	41	
75-34-3	1,1-Dichloroethane	50	
107-06-2	1,2-Dichloroethane	49	
75-35-4	1,1-Dichloroethene	50	
156-59-2	cis-1,2-Dichloroethene	49	
156-60-5	trans-1,2-Dichloroethene	50	
78-87-5	1,2-Dichloropropane	48	
10061-01-5	cis-1,3-Dichloropropene	50	
10061-02-6	trans-1,3-Dichloropropene	49	
100-41-4	Ethylbenzene	50	
591-78-6	2-Hexanone	230	
98-82-8	Isopropylbenzene	45	
79-20-9	Methyl acetate	36	
108-87-2	Methylcyclohexane	46	
75-09-2	Methylene chloride	46	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MSB77

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B2017201

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3613.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. 0 Heated Purge: Y Date Analyzed: 08/06/2008

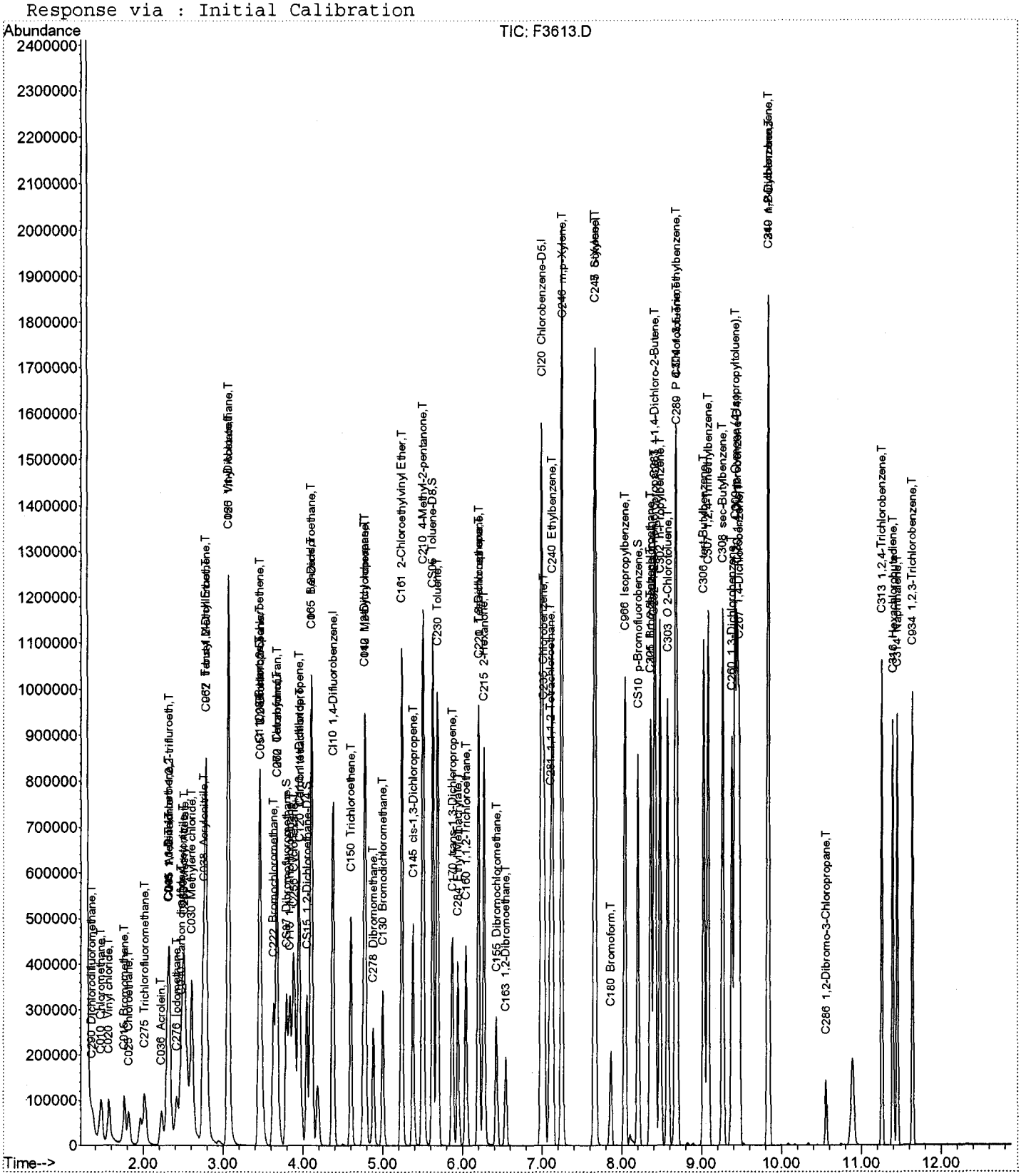
GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	230	
1634-04-4	Methyl-t-Butyl Ether (MTBE)	49	
100-42-5	Styrene	50	
79-34-5	1,1,2,2-Tetrachloroethane	49	
127-18-4	Tetrachloroethene	49	
108-88-3	Toluene	47	
120-82-1	1,2,4-Trichlorobenzene	46	
71-55-6	1,1,1-Trichloroethane	52	
79-00-5	1,1,2-Trichloroethane	48	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	49	
75-69-4	Trichlorofluoromethane	51	
79-01-6	Trichloroethene	49	
75-01-4	Vinyl chloride	48	
1330-20-7	Total Xylenes	150	

Data File : H:\GCMS_VOA\TEMP\F3613.D Vial: 3
Acq On : 6 Aug 2008 10:47 Operator: LH/DHC
Sample : MSB(FULL) Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 6 11:20 2008 Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 11 11:21:10 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3613.D Vial: 3
Acq On : 6 Aug 2008 10:47 Operator: LH/DHC
Sample : MSB(FULL) Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 06 11:20:44 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 10:52:43 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080608\F3611.D (6 Aug 2008 9:50)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	607295	250.00	ng		0.00
								102.98%
43) CI20	Chlorobenzene-D5	6.99	82	302418	250.00	ng		0.00
								101.15%
63) CI30	1,4-Dichlorobenzene-	9.44	152	286191	250.00	ng		0.00
								99.92%
System Monitoring Compounds								
27) CS87	Dibromofluoromethane	3.79	111	198797	293.73	ng		0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	117.49%		
32) CS15	1,2-Dichloroethane-D	4.05	65	266677	293.98	ng		0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	117.59%		
44) CS05	Toluene-D8	5.62	98	786000	296.86	ng		0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	118.74%		
62) CS10	p-Bromofluorobenzene	8.20	174	249167	276.75	ng		0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	110.70%		
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.36	85	108756	203.17	ng		97
3) C010	Chloromethane	1.47	50	150811	221.76	ng		93
4) C020	Vinyl chloride	1.57	62	142641	238.73	ng		92
5) C015	Bromomethane	1.76	94	84883	249.26	ng		91
6) C025	Chloroethane	1.81	64	72490	237.45	ng		97
7) C275	Trichlorofluorometha	2.02	101	201991m	254.21	ng		99
8) C291	1,1,2-Trichloro-1,2,	2.33	101	108654	244.74	ng		95
9) C045	1,1-Dichloroethene	2.31	96	111395	252.86	ng	#	70
10) C030	Methylene chloride	2.61	84	189098	232.91	ng		87
11) C040	Carbon disulfide	2.47	76	373389	234.20	ng		96
12) C036	Acrolein	2.22	56	94957	1340.79	ng		99
13) C038	Acrylonitrile	2.75	53	327398	1175.63	ng		98
14) C035	Acetone	2.32	43	221529	1196.14	ng		91
15) C300	Acetonitrile	2.50	41	790242	9756.21	ng		100
16) C276	Iodomethane	2.42	142	174927	200.53	ng		88
17) C255	Methyl Acetate	2.52	43	201172	179.67	ng	#	90
18) C962	T-butyl Methyl Ether	2.78	73	504001	243.51	ng		91
19) C057	trans-1,2-Dichloroet	2.78	96	175155	249.40	ng		92
20) C050	1,1-Dichloroethane	3.06	63	312281	251.04	ng		98
21) C125	Vinyl Acetate	3.07	43	1631665	1350.90	ng		98
22) C051	2,2-Dichloropropane	3.47	77	265797	252.42	ng		98
23) C056	cis-1,2-Dichloroethe	3.46	96	186856	245.61	ng		97
24) C272	Tetrahydrofuran	3.66	42	261026	1143.40	ng		98
25) C222	Bromochloromethane	3.63	128	88377	240.31	ng	#	79
26) C060	Chloroform	3.68	83	310475	250.09	ng		95
28) C256	Cyclohexane	3.88	56	283478	229.62	ng	#	100
29) C115	1,1,1-Trichloroethan	3.83	97	286650	260.55	ng		97
30) C120	Carbon tetrachloride	3.96	117	230106	261.87	ng		98
31) C116	1,1-Dichloropropene	3.94	75	223013	246.32	ng		89

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3613.D Vial: 3
Acq On : 6 Aug 2008 10:47 Operator: LH/DHC
Sample : MSB(FULL) Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 06 11:20:44 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 10:52:43 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.10	78	648063	247.22	ng		97
34)	C065	1,2-Dichloroethane	4.11	62	270595	246.44	ng		94
35)	C110	2-Butanone	3.45	43	410694	1157.93	ng		86
36)	C150	Trichloroethene	4.60	95	177645	245.54	ng		97
37)	C161	2-Chloroethylvinyl E	5.23	63	470257	1132.71	ng		82
38)	C012	Methylcyclohexane	4.77	83	258149	228.92	ng	#	73
39)	C140	1,2-Dichloropropane	4.78	63	165753	238.80	ng		100
40)	C278	Dibromomethane	4.88	93	100726	242.93	ng		99
41)	C130	Bromodichloromethane	5.00	83	227378	253.51	ng		99
42)	C145	cis-1,3-Dichloroprop	5.38	75	272582	248.91	ng		96
45)	C230	Toluene	5.68	92	435200	235.80	ng		93
46)	C170	trans-1,3-Dichloropr	5.87	75	253651	244.15	ng		96
47)	C284	Ethyl Methacrylate	5.94	69	202620	229.07	ng		96
48)	C160	1,1,2-Trichloroethan	6.04	83	117120	242.46	ng		97
49)	C210	4-Methyl-2-pentanone	5.50	43	862965	1174.02	ng		93
50)	C220	Tetrachloroethene	6.20	166	184782	243.67	ng		96
51)	C221	1,3-Dichloropropane	6.21	76	246865	236.64	ng		97
52)	C155	Dibromochloromethane	6.43	129	158250	242.74	ng		84
53)	C163	1,2-Dibromoethane	6.54	107	142688	234.74	ng		86
54)	C215	2-Hexanone	6.27	43	609964	1151.86	ng		95
55)	C235	Chlorobenzene	7.02	112	457445	240.71	ng		98
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	164193	245.90	ng		95
57)	C240	Ethylbenzene	7.13	91	834465	247.55	ng		98
58)	C246	m,p-Xylene	7.25	106	590685	490.78	ng		86
59)	C247	o-Xylene	7.65	106	294983	244.07	ng	#	78
60)	C245	Styrene	7.67	104	488352	249.17	ng		91
61)	C180	Bromoform	7.86	173	105039	236.51	ng		87
64)	C966	Isopropylbenzene	8.04	105	703925	227.02	ng		96
65)	C301	Bromobenzene	8.37	156	194416	241.53	ng		91
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	183569	244.42	ng		94
67)	C282	1,2,3-Trichloropropa	8.40	110	52398	217.20	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	302772	1121.63	ng		93
69)	C302	n-Propylbenzene	8.48	91	977913	250.49	ng		94
70)	C303	O 2-Chlorotoluene	8.57	126	194220	249.56	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	194471	244.68	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	661459	246.91	ng		80
73)	C306	tert-Butylbenzene	9.02	134	142764	242.76	ng	#	82
74)	C307	1,2,4-Trimethylbenze	9.08	105	679595	247.33	ng		93
75)	C308	sec-Butylbenzene	9.26	105	832469	259.94	ng		94
76)	C260	1,3-Dichlorobenzene	9.38	146	368769	239.19	ng		98
77)	C309	p-Cymene (4-Isopropy	9.42	119	715059	239.12	ng		97
78)	C267	1,4-Dichlorobenzene	9.47	146	381843	239.82	ng		99
79)	C249	1,2-Dichlorobenzene	9.84	146	350064	238.29	ng		98
80)	C310	n-Butylbenzene	9.83	91	689443	245.68	ng		100
81)	C286	1,2-Dibromo-3-Chloro	10.55	75	35676	225.43	ng		77
82)	C313	1,2,4-Trichlorobenze	11.26	180	281753	228.58	ng		99
83)	C316	Hexachlorobutadiene	11.40	225	156478	228.87	ng		99
84)	C314	Naphthalene	11.45	128	616816	214.89	ng		99
85)	C934	1,2,3-Trichlorobenze	11.64	180	264529	225.37	ng		99

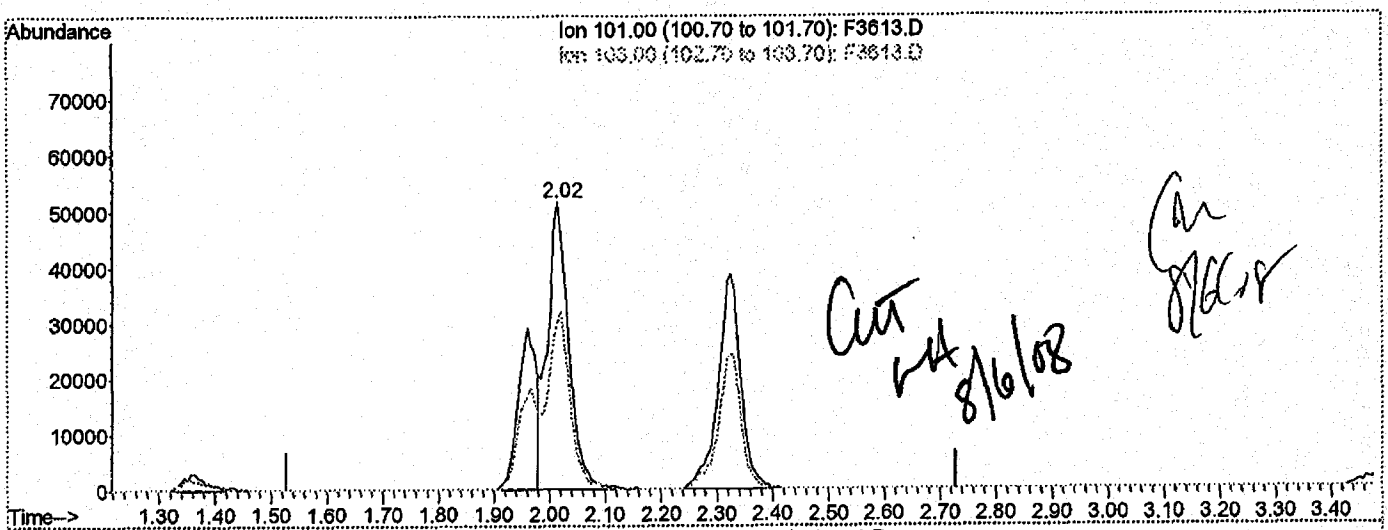
(#) = qualifier out of range (m) = manual integration

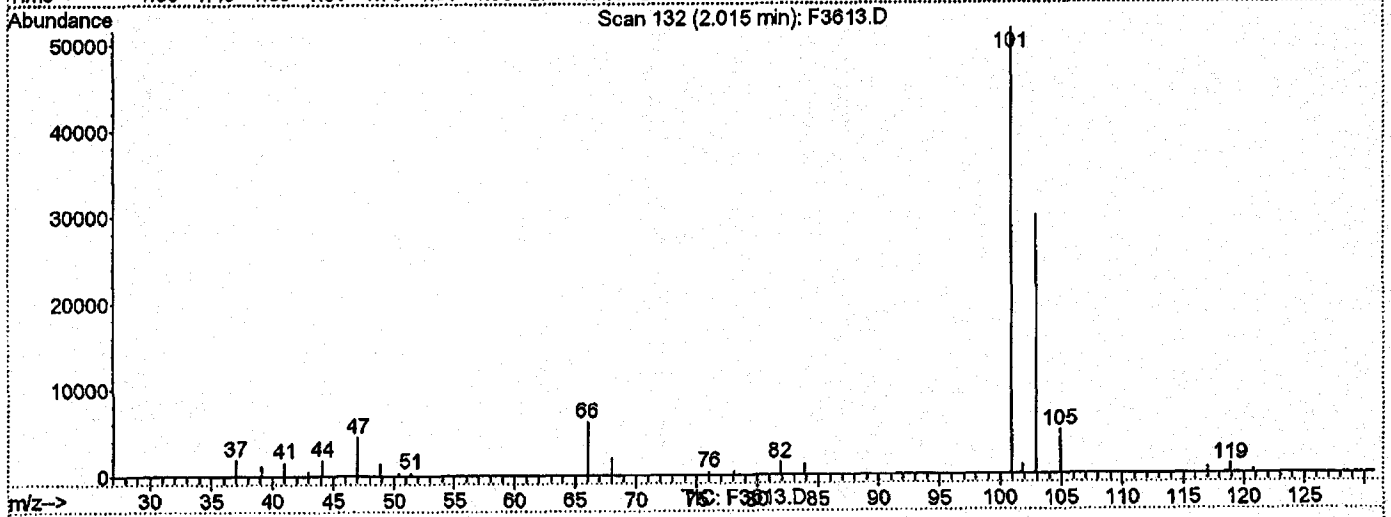
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\080608\F3613.D
Acq On : 6 Aug 2008 10:47
Sample : MSB(FULL)
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 11:20 2008

Vial: 3
Operator: LH/DHC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 10:52:43 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

2.02min 172.19ng

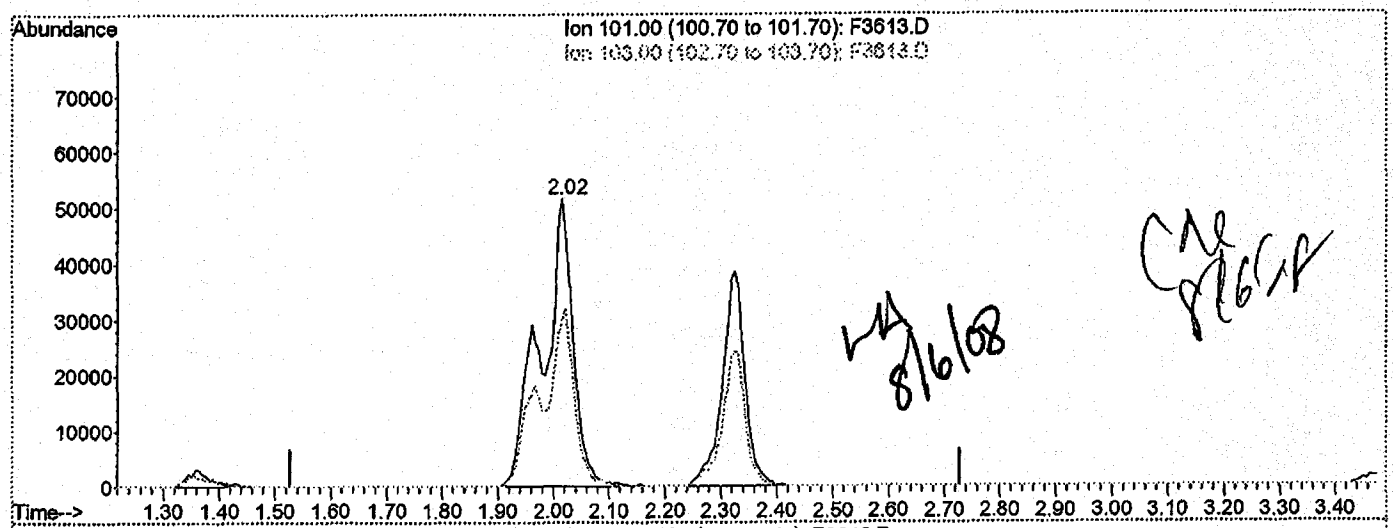
response 136814

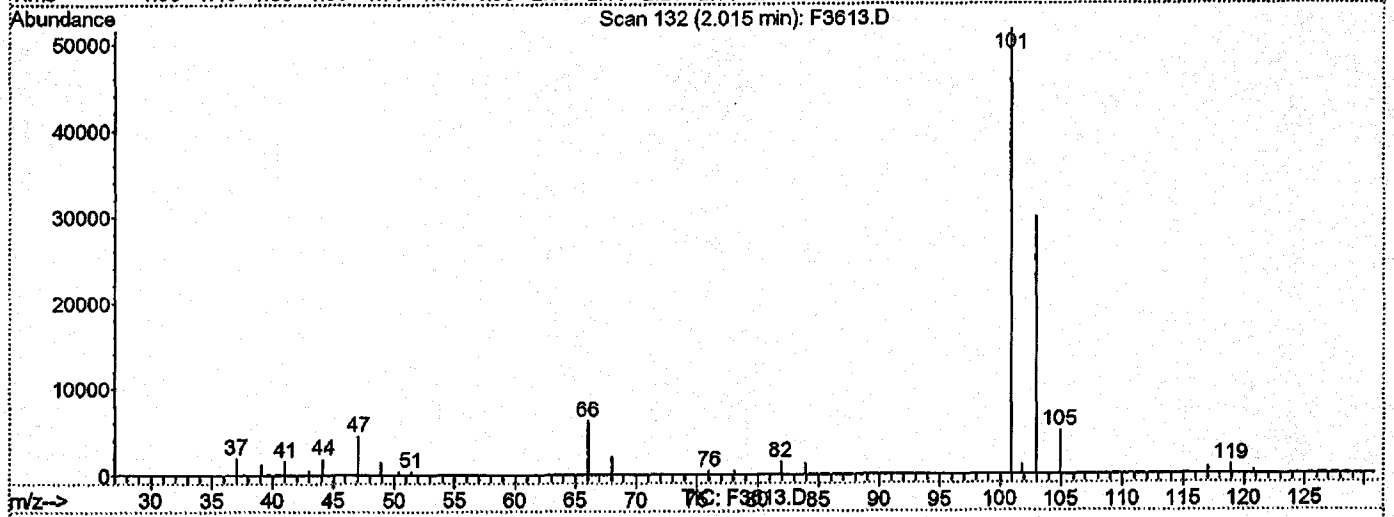
Ion	Exp%	Act%
101.00	100	100
103.00	58.90	57.91
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\080608\F3613.D Vial: 3
Acq On : 6 Aug 2008 10:47 Operator: LH/DHC
Sample : MSB(FULL) Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 6 11:20 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 10:52:43 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

2.02min 254.21ng m

response 201991

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	57.91
0.00	0.00	0.00
0.00	0.00	0.00

Dry Weight Log Book
Arcadis G & M Inc

Job Number	Sample I.D.	Vial Number	Analysis Date	Analyst	Product Test Abreviation	Dish Weight (g)	Wet + Dish	Dry + Dish	Wet Weight	Dry Weight	% Dry	Decanted
408-9188	A8918801		08/05/2008	JL	TCL VOAS	1.30	7.83	5.89	6.53	4.59	70.29	N
408-9188	A8918802		08/05/2008	JL	TCL VOAS	1.28	10.17	9.33	8.89	8.05	90.55	N
408-9188	A8918803		08/05/2008	JL	TCL VOAS	1.30	9.66	7.79	8.36	6.49	77.63	N
408-9188	A8918804		08/05/2008	JL	TCL VOAS	1.25	9.84	9.50	8.59	8.25	96.04	N

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
7/31/08	2235	CM	FJ487	A891001	900	5uL	5.11	1
	2250		FJ488	04			5.23	
	2306		FJ489	05			5.01	
	2321		FJ490	06			5.11	
8/1/08	0007		FJ491	07			5.07	
	0032		FJ492	09			4.99	
	0058		FJ493	A891801	901		5.22	
	0124		FJ494	02			4.97	
	0149		FJ495	03			5.19	
	0215		FJ496	04			5.15	
	0240		FJ497	05			4.96	
8/1/08	1330	RJ	FJ498	0801BEBF1	—	1uL	—	—
			FJ499	VSTD005	—	5uL	1	—
			FJ500	VSTD005				—
			FJ501	VSTD020				—
			FJ502	VSTD050				—
			FJ503	VSTD100				—
			FJ504	VSTD200				—
			FJ505	IBLK	↓	↓	↓	—
8/1/08	1927	CM	FJ506	0801JEF5	CAL	1uL	—	
			FJ507	VSTD005		5mL	5.00	1
	2016		FJ508	VSTD005				
	2036		FJ509	VSTD020				
	2107		FJ510	VSTD050				
	2137		FJ511	VSTD100				
	2153		FJ512	VSTD200				
	2218		FJ513	IBLK	—			
	2244		FJ514	MSB/SSCALC1K	IPC			
			FJ515	ADD050				
			FJ516	VSTD70				
			FJ517					
			FJ518					
			FJ519					
			FJ520					
			FJ521					
			FJ522					
			FJ523					
			FJ524					

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

STD #	IS/SS MIX #	Re-Run?	pH <2	Comments
	IS510FH/KA	Y	1	MLDF10
		Y		↓
		Y		Sg+blk
		Y		Sg+blk
		Y		Sg+blk
		Y		
		Y		
		Y		Sg c/o
WS7AG-4				PASS
WS6AI-4 WS12AJ-18 WS3BH-1	IS510 FH/KA			Alb
				Not used - Federal CM pickup
WS1AG-4				PASS
WS6AI-4 WS12AJ-18 WS3BH-1	IS510FH/KA			Not used
				Sdb2.Soil (CASE-0572)
WS19AW-4 CS19AX-8				OK - pH 4 @ 25mL - 8/1/08

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
4/2/08	0334	CM	F3545	A8901803	9018	5uL	5.40	1
	0359		F3546	L 08	L		5.33	
	0426		F3547	A8917901	9179		1.24	
4/4/08	0003	RS	F3548	0804BFBFI	—	1uL	—	—
	1029		F3549	VSTD050	QC	5uL	5.0	—
	1104		F3550	MSBFWLL				—
	1130		F3551	A00050				—
	1155		F3552	VBLK71				—
	1220		F3553	A8901803	9018		1.05	—
	1256		F3554	04			1.00	—
	1321		F3555	08			1.00	—
	1347		F3556	05			1.08	—
	1413		F3557	06			1.03	—
	1440		F3558	03			1.16	—
	1513		F3559	BS/MS 03			5.00	—
	1548		F3560	A8891180S	9118		5.02	—
	1616		F3561	A8913005	9130		5.17	—
	1652		F3562	07			5.01	—
	1719		F3563	09			5.12	—
	1747		F3564	IBLK	—	—	—	—
	1808		F3565	A8917901	9179		5.18	—
	1834		F3566	IBLK	—		—	—
	1859		F3567	A8933101	9331		5.09	—
	1915		F3568	02			5.30	—
	1950		F3569	A8932201	9322		5.18	—
	2016		F3570	01MS			5.28	—
	2042		F3571	01SD			5.19	—
	2107		F3572	IBLK	—	—	—	—
4/4/08	2139	CM	F3573	QSD01JF1F2	02C	1uL	—	—
	2204		F3574	VSTD050		5uL	5.00	
	2258		F3575	MSBFull				
	2323		F3576	A00050				
	2349		F3577	VBLK72 (DW)				
4/5/08	0013		F3578	VBLK73			5.33	
	0101		F3579	A8910007	9100		5.02	
	0147		F3580	L 06	L		5.00	
	0232		F3581	IBLK	—		5.00	
	0318		F3582	A8918501	9185		5.06	

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

STD #	IS/SS MIX #	ReRun	pH <2	Comments
	ISS10FH/XA		—	
		Y	—	lg
			—	Freq only - ADD (X6)
WS1AG-4			—	PASS
WS6AI-4 WS12AS-18 WS13BHH	ISS10		—	ABI..0572 (8260 soils)
WS19AW-3 WS19AX-10	FH/XA		—	
WS5AJ-2 WS5AK-2			—	ABI..0325 (ADD soils)
			—	
		Y	—	RA Sg
		Y	—	
		Y	—	RAML
		Y	—	RAML
		Y	—	RAML
		Y	—	RA Sg
			—	
		Y	—	RAML
		Y	—	RA Tic C.O.
			—	
			—	
			—	
			—	
			—	
			—	
			—	
WS19AW-3 WS19AX-10			—	
			—	
WS1AG-4			—	PASS
WS6AI-4 WS12AS-18 WS13BH-1	ISS10FH/XA		—	8260 soil (ABI..0572)
WS19AW-2 WS19AX-10			—	ADD (ABI..0325) 8260 soil
WS5AJ-2 WS5AK-2			—	ADD (ABI..0325
			—	(DW)
			—	
			—	
			—	
			—	
		Y	—	RA IS out

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
8/8/08	0357	FJC	FJ563	AB9188702	9188	5.0	5.37	1
	0409		FJ564	03			5.06	
	0435		FJ565	04			5.22	
	0502		FJ566	AB9188901	9189		5.07	
	0526		FJ567	02			5.10	
	0551		FJ568	01			5.02	
	0617		FJ569	04			5.10	
	0641		FJ570	05			5.09	
	0708		FJ571	06			5.12	
	0734		FJ572	07			5.02	
	0759		FJ573	08			5.35	
	0825		FJ574	09			5.18	
	0850		FJ575	10			5.21	
	0916		FJ576	11			5.01	
	0941		FJ577	12			5.28	
	1007		FJ578	13			5.10	
	1032		FJ579	AB9188703	9188		5.18	
	1058		FJ580	L0703			5.02	

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

STD #	IS/SS MIX #	ReRun?	pH <2	Comments
	ISSOIF/BA			
		Y		PA 1g Surrogate
		Y		PA 1g Surrogate
		Y		PA 1g Surrogate
		Y		PA 1g Surrogate
		Y		PA 1g Surrogate
		Y		PA 1g Surrogate
[illegible]				

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
8/6/08	0301	CL	FJ601	A89354 01	9354	5uL	5.02	
	0326		FJ602	A89368 01	9368		5.00	
	0352		FJ603	02			5.35	
	0418		FJ604	03			5.23	
	0443		FJ605	04			5.26	
	0509		FJ606	05			5.10	
	0534		FJ607	06			5.07	
	0600		FJ608	10ms			5.07	
	0625		FJ609	10SD			5.19	
8/6/08	0918	LH	FJ610	0806BFBFI	7	5uL	—	7
	0930		FJ611	√STDDSD			5.00	
	1004		FJ612	ADDDSD			5.00	
	1047		FJ613	MSB(FULL)			5.00	
	—		FJ614	VBNK76 (DW)			5.00	
	1139		FJ615	VBNK77			5.00	
	1210		FJ616	A89411 16	9411		5.00	1
	1225		FJ617	A89332 04	9332		5.00	1
	1311		FJ618	A89188 04	9188		5.08	7
	1337		FJ619	A89332 01	9332		3.66	
	1357		FJ620	02			5.72	
	1418		FJ621	03			4.83	
	1443		FJ622	A89295 01	9295		5.06	
	1509		FJ623	A89256 01	9256		5.26	
	1534		FJ624	A89411 01	9411		5.00	
	1600		FJ625	02			5.13	
	1626		FJ626	03			5.09	
	1651		FJ627	04			5.01	
	1717		FJ628	05			5.10	
	1741		FJ629	06			5.07	
	1808		FJ630	07			5.10	
	1833		FJ631	08			5.20	
	1859		FJ632	09			5.01	
	1925		FJ633	10			5.02	
	1950		FJ634	10ms			5.19	
	2016		FJ635	10SD			5.22	
	2041		FJ636	11			5.28	
	2107		FJ637	12			5.26	

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

STD #	IS/SS MIX #	Reflux?	pH <2	Comments
	ISS10FA/KA			
LJSFAW-1 (2)SFAX10			12HR	
WS1AF-4	ISS10FX/KA	—	—	PASS
WS1AE-4 WS12AJ-18 WS13BH-1		—	—	8260 (A8I...0572)
WS5AJ-2 WS5AK-2		—	—	ADD (A8I... 0325)
WS19AW-3 WS19AX-10		—	—	
		—	—	Add used
			X	
			X	
		Y	—	RA LL DL
		Y	—	RA L.O.
		Y	—	RA C.V.
		Y	—	RA Surr
		Y	—	
		Y	—	
		Y	—	
		Y	—	
WS19AW-3 WS19AX-10		Y	—	BFA (X4)
		Y	—	
		Y	—	MS Surr

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT
Revised

Job#: A08-9195

Project#: NY9A8463
Site Name: ARCADIS
Task: LMC - Utica, NY

Jeff Bonsteel
465 New Karner Road
Albany, NY 12205

TestAmerica Laboratories Inc.

Candace L. Fox

Candace L. Fox
Project Manager

02/20/2009

10 Hazelwood Drive Amherst, NY 14228 **tel** 716.691.2600 **fax** 716.691.7991 **www.testamericainc.com**

METHODS SUMMARY

Job#: A08-9195

Project#: NY9A8463
Site Name: ARCADIS

PARAMETER	ANALYTICAL METHOD
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A8919504	FB-072908	WATER	07/29/2008	12:00	07/30/2008	09:15
A8919507	MW-11	WATER	07/29/2008	14:01	07/30/2008	09:15
A8919502	MW-14BR	WATER	07/29/2008	10:50	07/30/2008	09:15
A8919501	MW-14S	WATER	07/29/2008	10:40	07/30/2008	09:15
A8919505	MW-15BR	WATER	07/29/2008	12:05	07/30/2008	09:15
A8919506	MW-15S	WATER	07/29/2008	12:15	07/30/2008	09:15
A8919503	MW-7	WATER	07/29/2008	11:38	07/30/2008	09:15
A8919508	PZ-2	WATER	07/29/2008	15:15	07/30/2008	09:15
A8919509	TRIP BLANK	WATER	07/29/2008	00:00	07/30/2008	09:15

SDG NARRATIVE

Job#: A08-9195

Project#: NY9A8463
Site Name: ARCADIS

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-9195
Sample Cooler(s) were received at the following temperature(s); 2@2.0 °C
All samples were received in good condition.

GC/MS Volatile Data

For method 8260, samples MW-7 and PZ-2 exhibited a pH>2 at the time of analysis. The analysis was performed after the recommended 7 days for un-preserved samples, therefore all detected concentrations should be considered minimum values and the results estimated. All other samples were preserved to a pH less than 2.

Revision Comments

Linear regression was used to calibrate all analytes that were greater than 15% RSD in the initial calibration standard curve A8I0000594-1.

A quadratic equation was used to calibrate all analytes that were greater than 15% RSD in the initial calibration standard curve A8I0000584-1.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Custody Seal #s
193823
193813

TAL-4142 (0907)

Client	Project Manager	Date	Chain of Custody Number
Arcadis	Chris Motta / Jeff Bonsteel	7-29-08	391003
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1 International Dr	201-684-1413	716-504-9844	
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Mahwah / NJ	Chris Lapras	Candy Fox	
Project Name and Location (State)	**Carrier/Waybill Number**		
Lockheed Martin, Utica, NY			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260 TCL VOC	Special Instructions/ Conditions of Receipt
Trip Blank	7-24-08	—		1						1			X	
MW-14S	7-29-08	1040		3						3			X	
MW-14BR	7-29-08	1050		3						3			X	
MW-7	7-29-08	1138		3						3			X	
FB-072908	7-29-08	1200		2						2			X	
MW-15BR	7-29-08	1205		3						3			X	
MW-15S	7-29-08	1215		3						3			X	
MW-11	7-29-08	1401		3						3			X	
PZ-2*	7-29-08	1515		3						3			X	*Sample material reacted w/ preservative. Unable to achieve 0 head space.

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☑ Other Standard

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	7-29-08	1655	1. Received By	7/30/08	0915
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

2@2.0°C

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

FB-072908

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919504

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6608.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/09/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

FB-072908

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919504

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6608.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/09/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-11

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919507

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8223.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-11

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919507

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8223.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14BR

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919502

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8219.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 8.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	2100	
71-43-2	Benzene	40	U
75-27-4	Bromodichloromethane	40	U
75-25-2	Bromoform	40	U
74-83-9	Bromomethane	40	U
78-93-3	2-Butanone	200	U
75-15-0	Carbon Disulfide	40	U
56-23-5	Carbon Tetrachloride	40	U
108-90-7	Chlorobenzene	40	U
75-00-3	Chloroethane	40	U
67-66-3	Chloroform	14	J
74-87-3	Chloromethane	40	U
110-82-7	Cyclohexane	40	U
106-93-4	1,2-Dibromoethane	40	U
124-48-1	Dibromochloromethane	40	U
96-12-8	1,2-Dibromo-3-chloropropane	40	U
95-50-1	1,2-Dichlorobenzene	40	U
541-73-1	1,3-Dichlorobenzene	40	U
106-46-7	1,4-Dichlorobenzene	40	U
75-71-8	Dichlorodifluoromethane	40	U
75-34-3	1,1-Dichloroethane	40	U
107-06-2	1,2-Dichloroethane	40	U
75-35-4	1,1-Dichloroethene	40	U
156-59-2	cis-1,2-Dichloroethene	40	U
156-60-5	trans-1,2-Dichloroethene	40	U
78-87-5	1,2-Dichloropropane	40	U
10061-01-5	cis-1,3-Dichloropropene	40	U
10061-02-6	trans-1,3-Dichloropropene	40	U
100-41-4	Ethylbenzene	40	U
591-78-6	2-Hexanone	200	U
98-82-8	Isopropylbenzene	40	U
79-20-9	Methyl acetate	40	U
108-87-2	Methylcyclohexane	40	U
75-09-2	Methylene chloride	40	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14BR

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919502

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8219.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 8.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	200	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	40	U
100-42-5	Styrene	40	U
79-34-5	1,1,2,2-Tetrachloroethane	40	U
127-18-4	Tetrachloroethene	40	U
108-88-3	Toluene	40	U
120-82-1	1,2,4-Trichlorobenzene	40	U
71-55-6	1,1,1-Trichloroethane	40	U
79-00-5	1,1,2-Trichloroethane	40	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	40	U
75-69-4	Trichlorofluoromethane	40	U
79-01-6	Trichloroethene	40	U
75-01-4	Vinyl chloride	40	U
1330-20-7	Total Xylenes	120	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14S

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919501

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8218.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	2.3	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	0.26	J
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	2.2	J
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14S

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919501

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8218.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-15BR

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919505

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8221.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	6.0	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	0.30	J
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	11	
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-15BR

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919505

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8221.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: MW-15S

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919506

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8222.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	1.3	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	4.3	J
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
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Client No.

MW-15S

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919506

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8222.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
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Client No.

MW-7

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919503

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8220.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	4.4	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-7

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919503

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8220.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	0.68	J
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-2

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919508

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8224.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	17	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	2.6	J
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-2

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919508

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8224.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	0.43	J
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919509

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6612.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/09/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919509

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6612.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/09/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
WATER SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

	Client Sample ID	Lab Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#							TOT OUT
1	FB-072908	A8919504	94		96		100								0
2	MSB81	A8B2040701	110		107		110								0
3	MSB93	A8B2034201	98		103		103								0
4	MW-11	A8919507	107		109		109								0
5	MW-14BR	A8919502	106		111		107								0
6	MW-14S	A8919501	102		115		116								0
7	MW-15BR	A8919505	105		110		106								0
8	MW-15S	A8919506	108		110		107								0
9	MW-7	A8919503	106		107		106								0
10	PZ-2	A8919508	105		108		107								0
11	TRIP BLANK	A8919509	96		100		101								0
12	VBLK81	A8B2040702	108		112		108								0
13	VBLK93	A8B2034202	93		93		96								0

QC LIMITS

BFB = p-Bromofluorobenzene (73-120)
DCE = 1,2-Dichloroethane-D4 (66-137)
TOL = Toluene-D8 (71-126)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

METHOD 8260 - TCL VOLATILE ORGANICS
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B2034202

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: VBLK93

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	25.0	24.0	96	73 - 143
Trichloroethene	25.0	22.7	91	77 - 123
Benzene	25.0	23.2	93	76 - 121
Toluene	25.0	23.2	93	69 - 120
Chlorobenzene	25.0	23.0	92	73 - 120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B2040702

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: VBLK81

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	25.0	25.7	103	73 - 143
Trichloroethene	25.0	25.6	102	77 - 123
Benzene	25.0	25.8	103	76 - 121
Toluene	25.0	25.1	100	69 - 120
Chlorobenzene	25.0	25.7	103	73 - 120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK93

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: S6604.RR Lab Sample ID: A8B2034202

Date Analyzed: 08/09/2008 Time Analyzed: 14:44

GC Column: ZB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973S

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	FB-072908	A8919504	S6608.RR	16:33
2	MSB93	A8B2034201	S6602.RR	13:59
3	TRIP BLANK	A8919509	S6612.RR	18:04

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: VBLK93

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8B2034202

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6604.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/09/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK93

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8B2034202

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6604.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/09/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK81

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: G8217.RR Lab Sample ID: A8B2040702

Date Analyzed: 08/10/2008 Time Analyzed: 13:11

GC Column: ZB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973G

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	MSB81	A8B2040701	G8214.RR	12:01
2	MW-11	A8919507	G8223.RR	16:06
3	MW-14BR	A8919502	G8219.RR	14:33
4	MW-14S	A8919501	G8218.RR	14:10
5	MW-15BR	A8919505	G8221.RR	15:19
6	MW-15S	A8919506	G8222.RR	15:42
7	MW-7	A8919503	G8220.RR	14:56
8	PZ-2	A8919508	G8224.RR	16:29

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK81

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8B2040702

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8217.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK81

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8B2040702

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8217.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0001979

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): G8213.RR Date Analyzed: 08/10/2008

Instrument ID: HP5973G Time Analyzed: 11:38

GC Column(1): ZB-624 ID: 0.180(mm) Heated Purge: (Y/N) N

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		235308		8.46		205496		10.85		528717		5.57	
	UPPER LIMIT		470616		8.96		410992		11.35		1057434		6.07	
	LOWER LIMIT		117654		7.96		102748		10.35		264359		5.07	
	CLIENT SAMPLE	Lab Sample ID												
1	MSB81	A8B2040701	234399		8.46		203787		10.85		513626		5.58	
2	MW-11	A8919507	205758		8.46		167868		10.85		473158		5.58	
3	MW-14BR	A8919502	212927		8.46		174061		10.85		479866		5.58	
4	MW-14S	A8919501	207661		8.46		154851		10.85		494112		5.58	
5	MW-15BR	A8919505	215250		8.46		171240		10.85		476100		5.58	
6	MW-15S	A8919506	208732		8.46		170020		10.85		473762		5.58	
7	MW-7	A8919503	216350		8.46		175951		10.85		492629		5.58	
8	PZ-2	A8919508	210248		8.46		173980		10.85		478132		5.58	
9	VBLK81	A8B2040702	216224		8.46		174096		10.85		488324		5.58	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0001965

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): S6601.RR Date Analyzed: 08/09/2008

Instrument ID: HP5973S Time Analyzed: 13:01

GC Column(1): ZB-624 ID: 0.180(mm) Heated Purge: (Y/N) N

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		194488		7.19		161147		9.06		385944		5.00	
	UPPER LIMIT		388976		7.69		322294		9.56		771888		5.50	
	LOWER LIMIT		97244		6.69		80574		8.56		192972		4.50	
	CLIENT SAMPLE	Lab Sample ID												
1	FB-072908	A8919504	174868		7.19		139761		9.06		351912		5.00	
2	MSB93	A8B2034201	190018		7.19		150454		9.06		379176		5.00	
3	TRIP BLANK	A8919509	173979		7.19		136162		9.06		343677		5.00	
4	VBLK93	A8B2034202	178796		7.19		144944		9.06		365045		5.00	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

8260 Volatiles

QC Summary

METHOD 8260 - TCL VOLATILE ORGANICS
WATER SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

	Client Sample ID	Lab Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#						TOT OUT
1	FB-072908	A8919504	94		96		100							0
2	MSB81	A8B2040701	110		107		110							0
3	MSB93	A8B2034201	98		103		103							0
4	MW-11	A8919507	107		109		109							0
5	MW-14BR	A8919502	106		111		107							0
6	MW-14S	A8919501	102		115		116							0
7	MW-15BR	A8919505	105		110		106							0
8	MW-15S	A8919506	108		110		107							0
9	MW-7	A8919503	106		107		106							0
10	PZ-2	A8919508	105		108		107							0
11	TRIP BLANK	A8919509	96		100		101							0
12	VBLK81	A8B2040702	108		112		108							0
13	VBLK93	A8B2034202	93		93		96							0

			QC LIMITS
BFB	=	p-Bromofluorobenzene	(73-120)
DCE	=	1,2-Dichloroethane-D4	(66-137)
TOL	=	Toluene-D8	(71-126)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

METHOD 8260 - TCL VOLATILE ORGANICS
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B2034202

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: VBLK93

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	25.0	24.0	96	73 - 143
Trichloroethene	25.0	22.7	91	77 - 123
Benzene	25.0	23.2	93	76 - 121
Toluene	25.0	23.2	93	69 - 120
Chlorobenzene	25.0	23.0	92	73 - 120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B2040702

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: VBLK81

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	25.0	25.7	103	73 - 143
Trichloroethene	25.0	25.6	102	77 - 123
Benzene	25.0	25.8	103	76 - 121
Toluene	25.0	25.1	100	69 - 120
Chlorobenzene	25.0	25.7	103	73 - 120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK93

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: S6604.RR Lab Sample ID: A8B2034202

Date Analyzed: 08/09/2008 Time Analyzed: 14:44

GC Column: ZB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973S

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	FB-072908	A8919504	S6608.RR	16:33
2	MSB93	A8B2034201	S6602.RR	13:59
3	TRIP BLANK	A8919509	S6612.RR	18:04

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK81

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: G8217.RR Lab Sample ID: A8B2040702

Date Analyzed: 08/10/2008 Time Analyzed: 13:11

GC Column: ZB-624 ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973G

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	MSB81	A8B2040701	G8214.RR	12:01
2	MW-11	A8919507	G8223.RR	16:06
3	MW-14BR	A8919502	G8219.RR	14:33
4	MW-14S	A8919501	G8218.RR	14:10
5	MW-15BR	A8919505	G8221.RR	15:19
6	MW-15S	A8919506	G8222.RR	15:42
7	MW-7	A8919503	G8220.RR	14:56
8	PZ-2	A8919508	G8224.RR	16:29

Comments: _____

ARCADIS G & M INC
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0002315

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: G8173 BFB Injection Date: 08/08/2008

Instrument ID: HP5973G BFB Injection Time: 15:34

GC Column: ZB-624 ID: 0.18 (mm) Heated Purge: (Y/N): N

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	19.3		
75	30.0 - 60.0% of mass 95	43.6		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	6.7		
173	Less than 2.0% of mass 174	0.5	(0.6)	1
174	50 - 120 % of mass 95	79.1		
175	5.0 - 9.0% of mass 174	5.8	(7.3)	1
176	95.0 - 101.0% of mass 174	76.6	(96.9)	1
177	5.0 - 9.0% of mass 176	5.4	(7.1)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD001	A8I0000594-1	G8175.RR	08/08/2008	16:36
2	VSTD005	A8I0000594-1	G8176.RR	08/08/2008	16:59
3	VSTD010	A8I0000594-1	G8177.RR	08/08/2008	17:22
4	VSTD025	A8I0000594-1	G8178.RR	08/08/2008	17:45
5	VSTD050	A8I0000594-1	G8179.RR	08/08/2008	18:09
6	VSTD100	A8I0000594-1	G8180.RR	08/08/2008	18:32

ARCADIS G & M INC
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0002337

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: G8212 BFB Injection Date: 08/10/2008

Instrument ID: HP5973G BFB Injection Time: 11:17

GC Column: ZB-624 ID: 0.18 (mm) Heated Purge: (Y/N): N

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	18.0		
75	30.0 - 60.0% of mass 95	41.7		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	7.0		
173	Less than 2.0% of mass 174	0.6	(0.8)	1
174	50 - 120 % of mass 95	77.2		
175	5.0 - 9.0% of mass 174	6.3	(8.2)	1
176	95.0 - 101.0% of mass 174	73.7	(95.5)	1
177	5.0 - 9.0% of mass 176	5.2	(7.0)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD025	A8C0001979-1	G8213.RR	08/10/2008	11:38
2	MSB81	A8B2040701	G8214.RR	08/10/2008	12:01
3	VBLK81	A8B2040702	G8217.RR	08/10/2008	13:11
4	MW-14S	A8919501	G8218.RR	08/10/2008	14:10
5	MW-14BR	A8919502	G8219.RR	08/10/2008	14:33
6	MW-7	A8919503	G8220.RR	08/10/2008	14:56
7	MW-15BR	A8919505	G8221.RR	08/10/2008	15:19
8	MW-15S	A8919506	G8222.RR	08/10/2008	15:42
9	MW-11	A8919507	G8223.RR	08/10/2008	16:06
10	PZ-2	A8919508	G8224.RR	08/10/2008	16:29

ARCADIS G & M INC
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0002318

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: S6548 BFB Injection Date: 08/08/2008

Instrument ID: HP5973S BFB Injection Time: 15:34

GC Column: ZB-624 ID: 0.18 (mm) Heated Purge: (Y/N): N

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	21.5		
75	30.0 - 60.0% of mass 95	48.3		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	7.1		
173	Less than 2.0% of mass 174	0.2	(0.3)	1
174	50 - 120 % of mass 95	64.5		
175	5.0 - 9.0% of mass 174	4.9	(7.6)	1
176	95.0 - 101.0% of mass 174	62.5	(96.9)	1
177	5.0 - 9.0% of mass 176	3.8	(6.1)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD005	A8I0000584-1	S6551.RR	08/08/2008	16:45
2	VSTD010	A8I0000584-1	S6552.RR	08/08/2008	17:08
3	VSTD025	A8I0000584-1	S6553.RR	08/08/2008	17:31
4	VSTD050	A8I0000584-1	S6554.RR	08/08/2008	17:54
5	VSTD100	A8I0000584-1	S6555.RR	08/08/2008	18:16
6	VSTD001	A8I0000584-1	S6558.RR	08/08/2008	19:28

ARCADIS G & M INC
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0002320

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: S6600 BFB Injection Date: 08/09/2008

Instrument ID: HP5973S BFB Injection Time: 12:40

GC Column: ZB-624 ID: 0.18 (mm) Heated Purge: (Y/N): N

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	22.7		
75	30.0 - 60.0% of mass 95	51.1		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	7.3		
173	Less than 2.0% of mass 174	0.0	(0.0)	1
174	50 - 120 % of mass 95	71.8		
175	5.0 - 9.0% of mass 174	5.8	(8.1)	1
176	95.0 - 101.0% of mass 174	69.6	(97.0)	1
177	5.0 - 9.0% of mass 176	4.7	(6.8)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD025	A8C0001965-1	S6601.RR	08/09/2008	13:01
2	MSB93	A8B2034201	S6602.RR	08/09/2008	13:59
3	VBLK93	A8B2034202	S6604.RR	08/09/2008	14:44
4	FB-072908	A8919504	S6608.RR	08/09/2008	16:33
5	TRIP BLANK	A8919509	S6612.RR	08/09/2008	18:04

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0001979

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): G8213.RR Date Analyzed: 08/10/2008

Instrument ID: HP5973G Time Analyzed: 11:38

GC Column(1): ZB-624 ID: 0.180(mm) Heated Purge: (Y/N) N

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		235308		8.46		205496		10.85		528717		5.57	
	UPPER LIMIT		470616		8.96		410992		11.35		1057434		6.07	
	LOWER LIMIT		117654		7.96		102748		10.35		264359		5.07	
	CLIENT SAMPLE	Lab Sample ID												
1	MSB81	A8B2040701	234399		8.46		203787		10.85		513626		5.58	
2	MW-11	A8919507	205758		8.46		167868		10.85		473158		5.58	
3	MW-14BR	A8919502	212927		8.46		174061		10.85		479866		5.58	
4	MW-14S	A8919501	207661		8.46		154851		10.85		494112		5.58	
5	MW-15BR	A8919505	215250		8.46		171240		10.85		476100		5.58	
6	MW-15S	A8919506	208732		8.46		170020		10.85		473762		5.58	
7	MW-7	A8919503	216350		8.46		175951		10.85		492629		5.58	
8	PZ-2	A8919508	210248		8.46		173980		10.85		478132		5.58	
9	VBLK81	A8B2040702	216224		8.46		174096		10.85		488324		5.58	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0001965

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): S6601.RR Date Analyzed: 08/09/2008

Instrument ID: HP5973S Time Analyzed: 13:01

GC Column(1): ZB-624 ID: 0.180(mm) Heated Purge: (Y/N) N

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		194488		7.19		161147		9.06		385944		5.00	
	UPPER LIMIT		388976		7.69		322294		9.56		771888		5.50	
	LOWER LIMIT		97244		6.69		80574		8.56		192972		4.50	
	CLIENT SAMPLE	Lab Sample ID												
1	FB-072908	A8919504	174868		7.19		139761		9.06		351912		5.00	
2	MSB93	A8B2034201	190018		7.19		150454		9.06		379176		5.00	
3	TRIP BLANK	A8919509	173979		7.19		136162		9.06		343677		5.00	
4	VBLK93	A8B2034202	178796		7.19		144944		9.06		365045		5.00	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

Compare Client DL for PROJECT NY9A8463 and TASK 42 to Lab MDL
For METHOD: 8260 PROTOCOL: SW8463
For FRACTIONS: MV

Laboratory: A
ject Manager: CLF

Client Name	Project No	Tsk No	Parameter	TDL Type	Protcl	Method	Test	T M	UM	CDL	TDL	MDL	E X	E T	J	T
raction: MV																
adis G & M Inc	NY9A8463	42	1,1,1-Trichloroethane	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.26495	N		J	
adis G & M Inc	NY9A8463	42	1,1,1-Trichloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.26495	N		J	
adis G & M Inc	NY9A8463	42	1,1,1-Trichloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.36333	N		J	
adis G & M Inc	NY9A8463	42	1,1,2,2-Tetrachloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.21300	N		J	
adis G & M Inc	NY9A8463	42	1,1,2,2-Tetrachloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.81100	N		J	
adis G & M Inc	NY9A8463	42	1,1,2-Trichloro-1,2,2-trifluoroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.30900	N		J	
adis G & M Inc	NY9A8463	42	1,1,2-Trichloro-1,2,2-trifluoroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.53000	N		J	
adis G & M Inc	NY9A8463	42	1,1,2-Trichloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.23100	N		J	
adis G & M Inc	NY9A8463	42	1,1,2-Trichloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.25113	N		J	
adis G & M Inc	NY9A8463	42	1,1-Dichloroethane	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.75000	N		J	
adis G & M Inc	NY9A8463	42	1,1-Dichloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.75000	N		J	
adis G & M Inc	NY9A8463	42	1,1-Dichloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.58100	N		J	
adis G & M Inc	NY9A8463	42	1,1-Dichloroethene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.29324	N		J	
adis G & M Inc	NY9A8463	42	1,1-Dichloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.29324	N		J	
adis G & M Inc	NY9A8463	42	1,1-Dichloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.61200	N		J	
adis G & M Inc	NY9A8463	42	1,2,4-Trichlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.40765	N		J	
adis G & M Inc	NY9A8463	42	1,2,4-Trichlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.30424	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dibromo-3-chloropropane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	1.00000	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dibromo-3-chloropropane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.99600	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dibromoethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16600	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dibromoethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.18984	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dichlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.20300	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dichlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.75300	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dichloroethane	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.21400	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dichloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.21400	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dichloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.25113	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dichloropropane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.14400	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dichloropropane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.25615	N		J	
adis G & M Inc	NY9A8463	42	1,3-Dichlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16500	N		J	
adis G & M Inc	NY9A8463	42	1,3-Dichlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.70700	N		J	
adis G & M Inc	NY9A8463	42	1,4-Dichlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16200	N		J	
adis G & M Inc	NY9A8463	42	1,4-Dichlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.70000	N		J	
adis G & M Inc	NY9A8463	42	2-Butanone	CDL	SW8463	8260	CTA01933	W	UG/L	5.0000	5.00000	1.31800	N		J	
adis G & M Inc	NY9A8463	42	2-Butanone	EQL	SW8463	8260	ST001242	W	UG/L		5.00000	1.31800	N		J	
adis G & M Inc	NY9A8463	42	2-Butanone	EQL	SW8463	8260	ST001793	W	UG/L		5.00000	1.31800	N		J	
adis G & M Inc	NY9A8463	42	2-Butanone	EQL	SW8463	8260	ST001794	S	UG/KG		25.00000	6.80300	N		J	

Exception Types: N - MDL "Not Found" * - TDL=0 or MDL=0 M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL) E - TDL>CDL (TDL Type CDL)

Laboratory: A
oject Manager: CLF

Client Name	Project No	Tsk No	Parameter	TDL Type	Protcl	Method	Test	T M	UM	CDL	TDL	MDL	E X	E T	J	T
cadis G & M Inc	NY9A8463	42	2-Hexanone	EQL	SW8463	8260	ST001793	W	UG/L		5.00000	1.24100	N		J	
cadis G & M Inc	NY9A8463	42	2-Hexanone	EQL	SW8463	8260	ST001794	S	UG/KG		25.00000	6.25000	N		J	
cadis G & M Inc	NY9A8463	42	4-Methyl-2-pentanone	EQL	SW8463	8260	ST001793	W	UG/L		5.00000	0.90900	N		J	
cadis G & M Inc	NY9A8463	42	4-Methyl-2-pentanone	EQL	SW8463	8260	ST001794	S	UG/KG		25.00000	6.25000	N		J	
cadis G & M Inc	NY9A8463	42	Acetone	EQL	SW8463	8260	ST001793	W	UG/L		5.00000	1.34500	N		J	
cadis G & M Inc	NY9A8463	42	Acetone	EQL	SW8463	8260	ST001794	S	UG/KG		25.00000	1.09700	N		J	
cadis G & M Inc	NY9A8463	42	Benzene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.16400	N		J	
cadis G & M Inc	NY9A8463	42	Benzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16400	N		J	
cadis G & M Inc	NY9A8463	42	Benzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.54700	N		J	
cadis G & M Inc	NY9A8463	42	Bromodichloromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.38565	N		J	
cadis G & M Inc	NY9A8463	42	Bromodichloromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.25710	N		J	
cadis G & M Inc	NY9A8463	42	Bromoform	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.25741	N		J	
cadis G & M Inc	NY9A8463	42	Bromoform	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.46139	N		J	
cadis G & M Inc	NY9A8463	42	Bromomethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.28161	N		J	
cadis G & M Inc	NY9A8463	42	Bromomethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.45888	N		J	
cadis G & M Inc	NY9A8463	42	Carbon Disulfide	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.19400	N		J	
cadis G & M Inc	NY9A8463	42	Carbon Disulfide	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.42871	N		J	
cadis G & M Inc	NY9A8463	42	Carbon Tetrachloride	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.26653	N		J	
cadis G & M Inc	NY9A8463	42	Carbon Tetrachloride	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.26653	N		J	
cadis G & M Inc	NY9A8463	42	Carbon Tetrachloride	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.68100	N		J	
cadis G & M Inc	NY9A8463	42	Chlorobenzene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.18300	N		J	
cadis G & M Inc	NY9A8463	42	Chlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.18300	N		J	
cadis G & M Inc	NY9A8463	42	Chlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.51400	N		J	
cadis G & M Inc	NY9A8463	42	Chloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.32373	N		J	
cadis G & M Inc	NY9A8463	42	Chloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.80900	N		J	
cadis G & M Inc	NY9A8463	42	Chloroform	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.33567	N		J	
cadis G & M Inc	NY9A8463	42	Chloroform	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.33567	N		J	
cadis G & M Inc	NY9A8463	42	Chloroform	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.30896	N		J	
cadis G & M Inc	NY9A8463	42	Chloromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.34573	N		J	
cadis G & M Inc	NY9A8463	42	Chloromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.30200	N		J	
cadis G & M Inc	NY9A8463	42	Cyclohexane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.22000	N		J	
cadis G & M Inc	NY9A8463	42	Cyclohexane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.23000	N		J	
cadis G & M Inc	NY9A8463	42	Dibromochloromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.32247	N		J	
cadis G & M Inc	NY9A8463	42	Dibromochloromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.27627	N		J	
cadis G & M Inc	NY9A8463	42	Dichlorodifluoromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.28538	N		J	
cadis G & M Inc	NY9A8463	42	Dichlorodifluoromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.41330	N		J	
cadis G & M Inc	NY9A8463	42	Ethylbenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.18400	N		J	

- Exception Types: N - MDL "Not Found" * - TDL=0 or MDL=0 M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL) E - TDL>CDL (TDL Type CDL)

Laboratory: A
oject Manager: CLF

Client Name	Project No	Tsk No	Parameter	TDL Type	Protcl	Method	Test	T M	UM	CDL	TDL	MDL	E X	E T	J	T
adis G & M Inc	NY9A8463	42	Ethylbenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.34542	N		J	
adis G & M Inc	NY9A8463	42	Isopropylbenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.19300	N		J	
adis G & M Inc	NY9A8463	42	Isopropylbenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.32781	N		J	
adis G & M Inc	NY9A8463	42	Methyl acetate	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.17100	N		J	
adis G & M Inc	NY9A8463	42	Methyl acetate	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.99800	N		J	
adis G & M Inc	NY9A8463	42	Methyl-t-Butyl Ether (MTBE)	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16100	N		J	
adis G & M Inc	NY9A8463	42	Methyl-t-Butyl Ether (MTBE)	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.49100	N		J	
adis G & M Inc	NY9A8463	42	Methylcyclohexane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.22100	N		J	
adis G & M Inc	NY9A8463	42	Methylcyclohexane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.32404	N		J	
adis G & M Inc	NY9A8463	42	Methylene chloride	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.43845	N		J	
adis G & M Inc	NY9A8463	42	Methylene chloride	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	2.20000	N		J	
adis G & M Inc	NY9A8463	42	Styrene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.18500	N		J	
adis G & M Inc	NY9A8463	42	Styrene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.24955	N		J	
adis G & M Inc	NY9A8463	42	Tetrachloroethene	CDL	SW8463	8260	CTA01933	W	UG/L	0.5000	1.00000	0.36490	Y	E	J	
adis G & M Inc	NY9A8463	42	Tetrachloroethene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.36490	N		J	
adis G & M Inc	NY9A8463	42	Tetrachloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.36490	N		J	
adis G & M Inc	NY9A8463	42	Tetrachloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.67100	N		J	
adis G & M Inc	NY9A8463	42	Toluene	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.51000	N		J	
adis G & M Inc	NY9A8463	42	Toluene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.51000	N		J	
adis G & M Inc	NY9A8463	42	Toluene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.84800	N		J	
adis G & M Inc	NY9A8463	42	Total Xylenes	EQL	SW8463	8260	ST001793	W	UG/L		3.00000	0.93000	N		J	
adis G & M Inc	NY9A8463	42	Total Xylenes	EQL	SW8463	8260	ST001794	S	UG/KG		15.00000	2.93714	N		J	
adis G & M Inc	NY9A8463	42	Trichloroethene	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.17500	N		J	
adis G & M Inc	NY9A8463	42	Trichloroethene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.17500	N		J	
adis G & M Inc	NY9A8463	42	Trichloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.17500	N		J	
adis G & M Inc	NY9A8463	42	Trichloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.34510	N		J	
adis G & M Inc	NY9A8463	42	Trichlorofluoromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.15200	N		J	
adis G & M Inc	NY9A8463	42	Trichlorofluoromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	1.56400	N		J	
adis G & M Inc	NY9A8463	42	Vinyl chloride	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.24264	N		J	
adis G & M Inc	NY9A8463	42	Vinyl chloride	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.24264	N		J	
adis G & M Inc	NY9A8463	42	Vinyl chloride	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.24264	N		J	
adis G & M Inc	NY9A8463	42	Vinyl chloride	EQL	SW8463	8260	ST001794	S	UG/KG		10.00000	0.20398	N		J	
adis G & M Inc	NY9A8463	42	cis-1,2-Dichloroethene	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.16200	N		J	
adis G & M Inc	NY9A8463	42	cis-1,2-Dichloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16200	N		J	
adis G & M Inc	NY9A8463	42	cis-1,2-Dichloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.24641	N		J	
adis G & M Inc	NY9A8463	42	cis-1,3-Dichloropropene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.35516	N		J	
adis G & M Inc	NY9A8463	42	cis-1,3-Dichloropropene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.28538	N		J	

- Exception Types: N - MDL "Not Found" * - TDL=0 or MDL=0 M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL) E - TDL>CDL (TDL Type CDL)

Laboratory: A
oject Manager: CLF

Client Name	Project No	Tsk No	Parameter	TDL Type	Protcl	Method	Test	T M	UM	CDL	TDL	MDL	E X	E T	J	I
cadis G & M Inc	NY9A8463	42	trans-1,2-Dichloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.12600	N		J	
cadis G & M Inc	NY9A8463	42	trans-1,2-Dichloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.51577	N		J	
cadis G & M Inc	NY9A8463	42	trans-1,3-Dichloropropene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.36836	N		J	
cadis G & M Inc	NY9A8463	42	trans-1,3-Dichloropropene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.64200	N		J	

- Exception Types: N - MDL "Not Found" * - TDL=0 or MDL=0 M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL) E - TDL>CDL (TDL Type CDL)

Sample Data

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

FB-072908

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919504

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6608.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/09/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

FB-072908

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919504

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6608.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/09/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

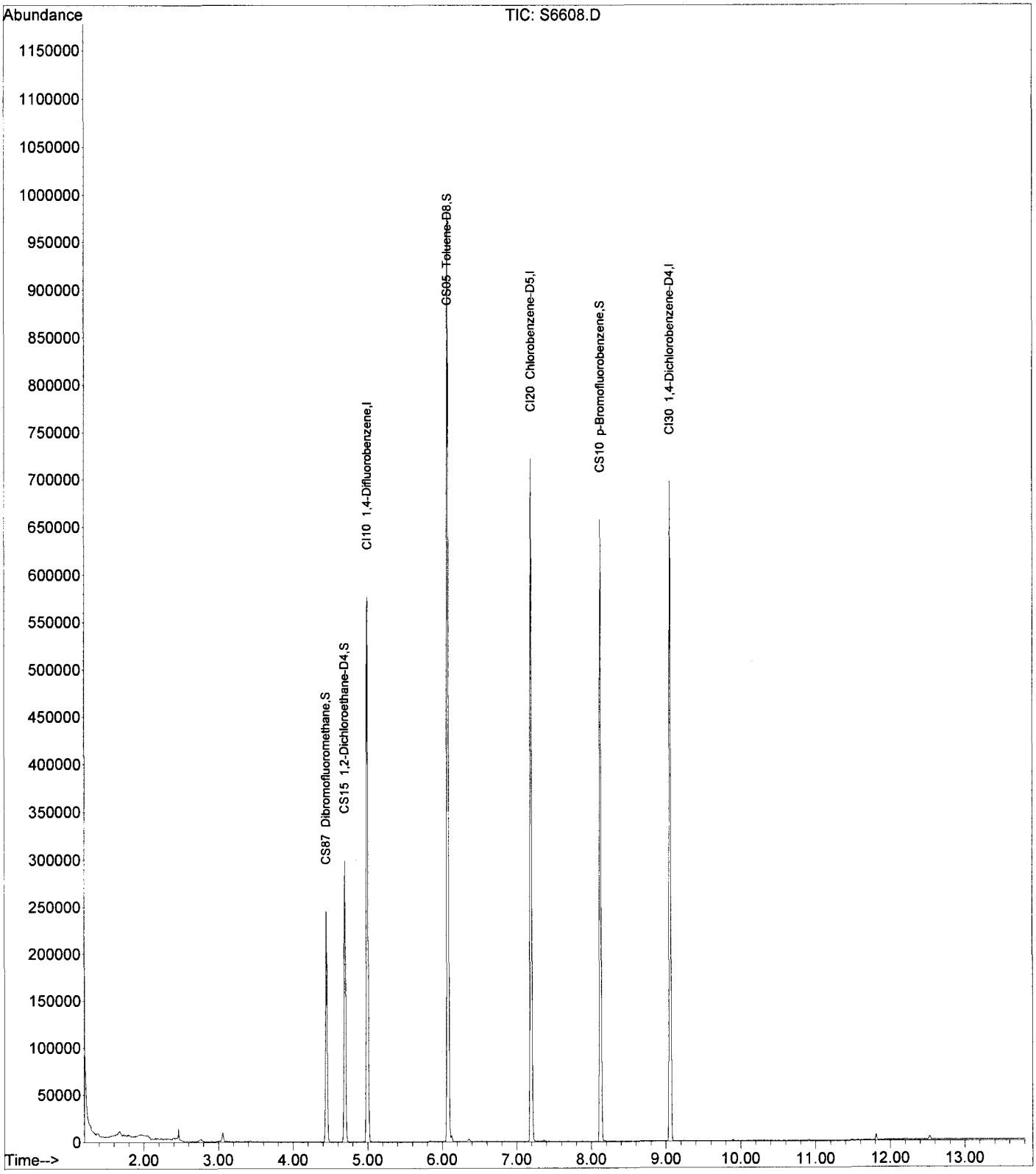
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Data File : H:\GCMS_VOA\TEMP\S6608.D
Acq On : 9 Aug 2008 16:33
Sample : A8919504
Misc :
MS Integration Params: RTEINT.P

Vial: 9
Operator: DHC
Inst : HP5973S
Multiplr: 1.00

Quant Time: Aug 10 12:25:28 2008 Results File: A8I0000...IXPT.RES
Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sun Aug 10 10:32:24 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\S6608.D Vial: 9
Acq On : 9 Aug 2008 16:33 Operator: DHC
Sample : A8919504 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 10 12:25:28 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sun Aug 10 10:32:24 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\080908\S6601.D (9 Aug 2008 13:01)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.00	114	351912	125.00	ng	0.00 91.18%
43) CI20	Chlorobenzene-D5	7.19	82	174868	125.00	ng	0.00 89.91%
63) CI30	1,4-Dichlorobenzene-	9.06	152	139761	125.00	ng	0.00 86.73%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.45	111	120346	120.19	NG	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery	=	96.15%	
31) CS15	1,2-Dichloroethane-D	4.69	65	148904	120.16	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery	=	96.13%	
44) CS05	Toluene-D8	6.07	98	505555	124.75	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery	=	99.80%	
62) CS10	p-Bromofluorobenzene	8.12	174	125237	117.73	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery	=	94.18%	

Target Compounds						Qvalue
2) C290	Dichlorodifluorome	0.00	85	0	N.D.	
3) C010	Chloromethane	0.00	50	0	N.D.	
4) C020	Vinyl chloride	0.00	62	0	N.D.	
5) C015	Bromomethane	0.00	94	0	N.D. d	
6) C025	Chloroethane	0.00	64	0	N.D.	
7) C275	Trichlorofluoromet	0.00	101	0	N.D.	
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.	
9) C030	Methylene chloride	3.06	84	3397	Below Cal	89
10) C040	Carbon disulfide	2.77	76	2045	N.D.	
11) C036	Acrolein	0.00	56	0	N.D.	
12) C038	Acrylonitrile	0.00	53	0	N.D.	
13) C035	Acetone	2.75	43	2500	Below Cal #	43
14) C300	Acetonitrile	3.06	41	133	N.D.	
15) C276	Iodomethane	0.00	142	0	N.D. d	
16) C291	1,1,2-Trichloro-1,	0.00	101	0	N.D.	
17) C962	T-butyl Methyl Eth	0.00	73	0	N.D.	
18) C057	trans-1,2-Dichloro	0.00	96	0	N.D.	
19) C255	Methyl Acetate	3.01	43	1097	Below Cal #	56
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.	
21) C125	Vinyl Acetate	0.00	43	0	N.D.	
22) C051	2,2-Dichloropropan	0.00	77	0	N.D.	
23) C056	cis-1,2-Dichloroet	0.00	96	0	N.D.	
24) C272	Tetrahydrofuran	0.00	42	0	N.D.	
25) C222	Bromochloromethane	0.00	128	0	N.D.	
27) C060	Chloroform	0.00	83	0	N.D.	
28) C115	1,1,1-Trichloroeth	0.00	97	0	N.D.	
29) C120	Carbon tetrachlori	0.00	117	0	N.D.	
30) C116	1,1-Dichloropropen	0.00	75	0	N.D.	
32) C165	Benzene	4.71	78	967	N.D.	
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.	
34) C110	2-Butanone	4.16	43	142	N.D.	
35) C256	Cyclohexane	0.00	56	0	N.D.	
36) C150	Trichloroethene	0.00	95	0	N.D.	
37) C140	1,2-Dichloropropan	0.00	63	0	N.D.	
38) C278	Dibromomethane	0.00	93	0	N.D.	

2/20/09

Quantitation Report TA Buffalo (QT Reviewed)

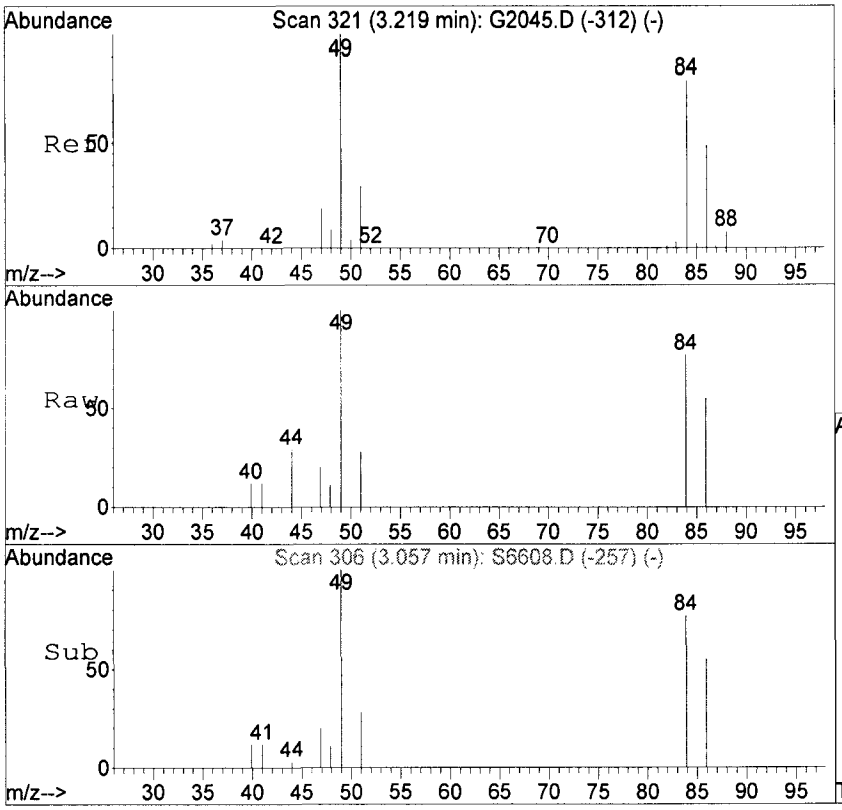
Data File : H:\GCMS_VOA\TEMP\S6608.D Vial: 9
Acq On : 9 Aug 2008 16:33 Operator: DHC
Sample : A8919504 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 10 12:25:28 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sun Aug 10 10:32:24 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\080908\S6601.D (9 Aug 2008 13:01)

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	0.00	83	0	N.D.	
40) C161	2-Chloroethylvinyl	0.00	63	0	N.D.	
41) C012	Methylcyclohexane	0.00	83	0	N.D.	
42) C145	cis-1,3-Dichloropr	0.00	75	0	N.D.	
45) C230	Toluene	6.13	92	1966	N.D.	
46) C170	trans-1,3-Dichloro	0.00	75	0	N.D.	
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48) C160	1,1,2-Trichloroeth	0.00	83	0	N.D.	
49) C210	4-Methyl-2-pentano	6.07	43	2321	N.D.	
50) C220	Tetrachloroethene	0.00	166	0	N.D.	
51) C221	1,3-Dichloropropan	0.00	76	0	N.D.	
52) C155	Dibromochlorometha	0.00	129	0	N.D.	
53) C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54) C215	2-Hexanone	0.00	43	0	N.D.	
55) C235	Chlorobenzene	0.00	112	0	N.D.	
56) C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.	
57) C240	Ethylbenzene	7.28	91	161	N.D.	
58) C246	m,p-Xylene	7.36	106	188	N.D.	
59) C247	o-Xylene	0.00	106	0	N.D.	
60) C245	Styrene	0.00	104	0	N.D.	
61) C180	Bromoform	0.00	173	0	N.D.	
64) C966	Isopropylbenzene	0.00	105	0	N.D.	
65) C301	Bromobenzene	0.00	156	0	N.D.	
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.	
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.	
68) C283	t-1,4-Dichloro-2-B	0.00	51	0	N.D.	
69) C302	n-Propylbenzene	8.30	91	155	N.D.	
70) C303	2-Chlorotoluene	0.00	126	0	N.D.	
71) C289	4-Chlorotoluene	0.00	126	0	N.D.	
72) C304	1,3,5-Trimethylben	0.00	105	0	N.D.	
73) C306	tert-Butylbenzene	0.00	134	0	N.D.	
74) C307	1,2,4-Trimethylben	0.00	105	0	N.D.	
75) C308	sec-Butylbenzene	0.00	105	0	N.D.	
76) C260	1,3-Dichlorobenzene	9.08	146	388	Below Cal #	74
77) C309	4-Isopropyltoluene	0.00	119	0	N.D.	
78) C267	1,4-Dichlorobenzene	9.08	146	388	Below Cal #	76
79) C249	1,2-Dichlorobenzen	0.00	146	0	N.D.	
80) C310	n-Butylbenzene	0.00	91	0	N.D.	
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.	
82) C313	1,2,4-Trichloroben	0.00	180	0	N.D.	
83) C316	Hexachlorobutadien	0.00	225	0	N.D.	
84) C314	Naphthalene	10.92	128	880	N.D.	
85) C934	1,2,3-Trichloroben	0.00	180	0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

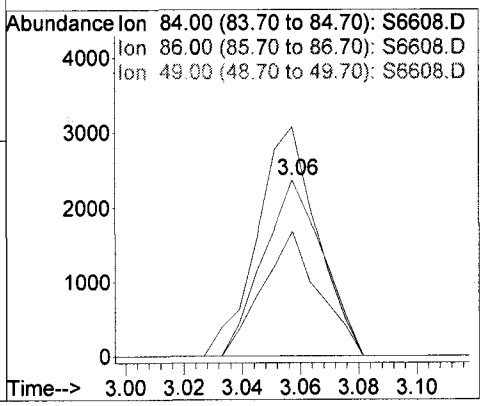
2/20/09

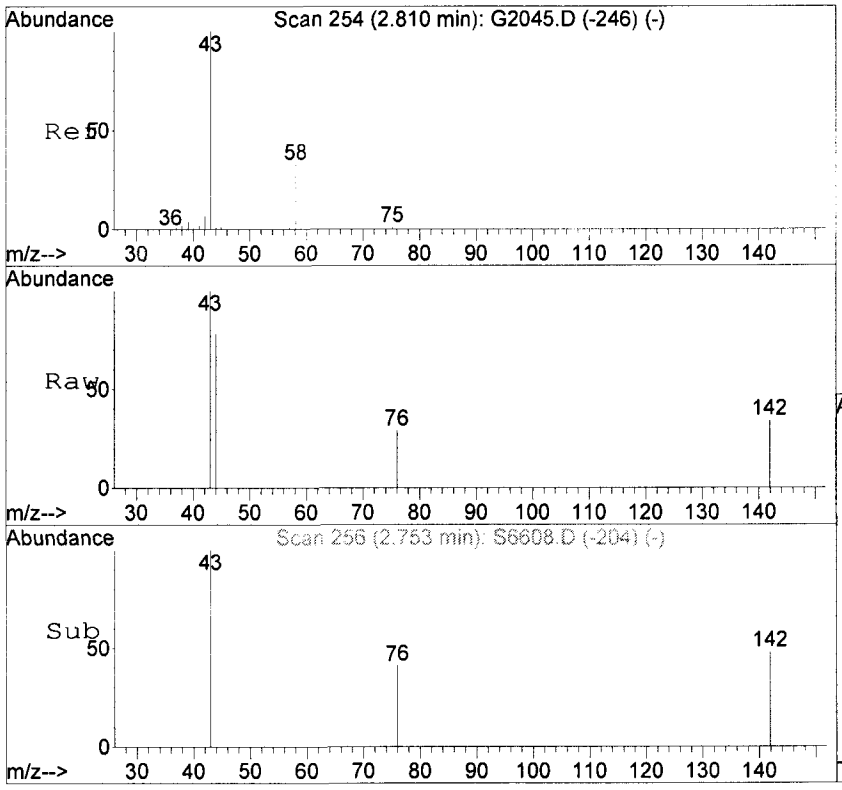


#9
C030 Methylene chloride
Concen: Below Cal
RT: 3.06 min Scan# 306
Delta R.T. 0.00 min
Lab File: S6608.D
Acq: 9 Aug 2008 16:33

Tgt Ion: 84 Resp: 3397

Ion	Ratio	Lower	Upper
84	100		
86	70.9	31.9	91.9
49	129.8	112.6	172.6

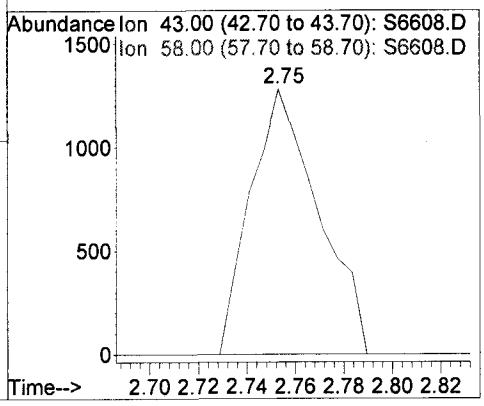


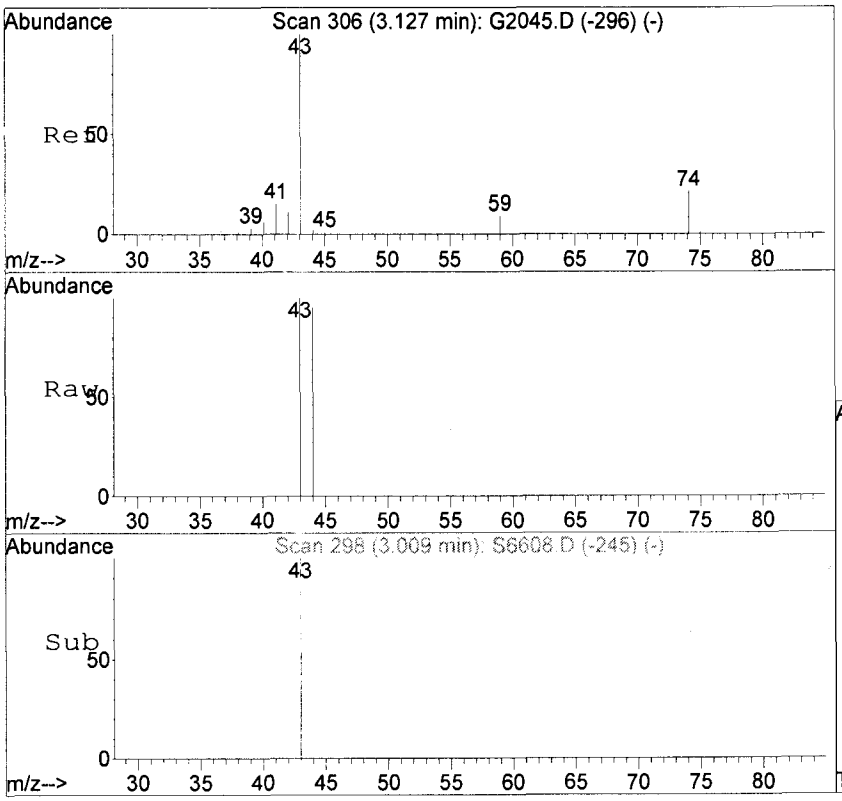


#13
C035 Acetone
Concen: Below Cal
RT: 2.75 min Scan# 256
Delta R.T. 0.02 min
Lab File: S6608.D
Acq: 9 Aug 2008 16:33

Tgt Ion: 43 Resp: 2500

Ion	Ratio	Lower	Upper
43	100		
58	0.0	1.4	61.4#

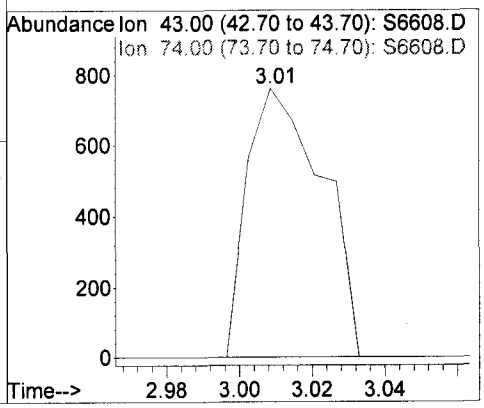


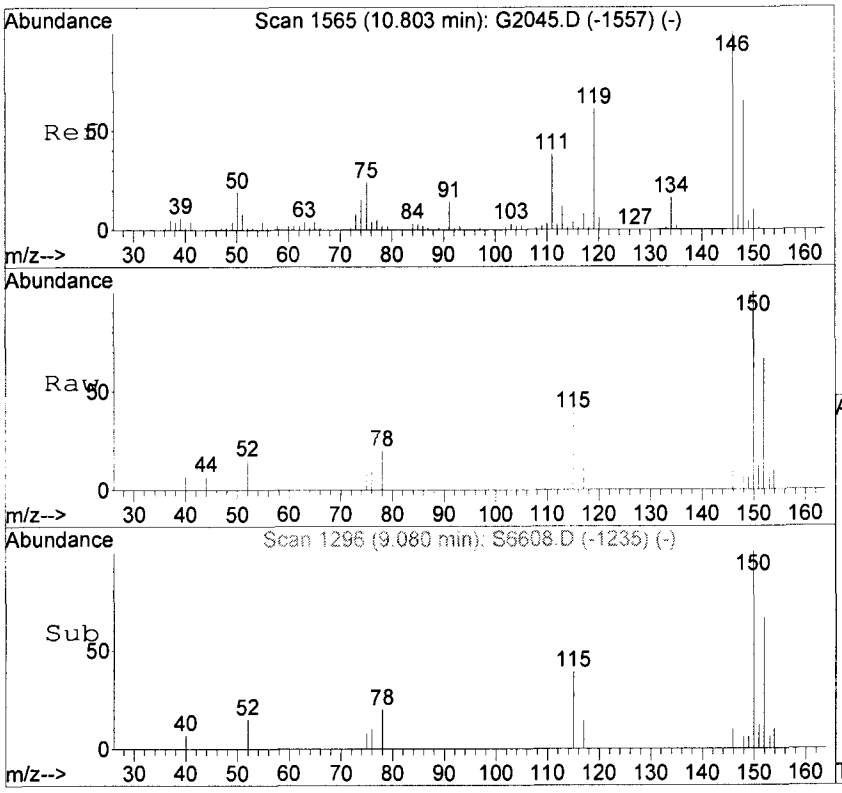


#19
C255 Methyl Acetate
Concen: Below Cal
RT: 3.01 min Scan# 298
Delta R.T. 0.02 min
Lab File: S6608.D
Acq: 9 Aug 2008 16:33

Tgt Ion: 43 Resp: 1097

Ion	Ratio	Lower	Upper
43	100		
74	0.0	16.2	24.4#

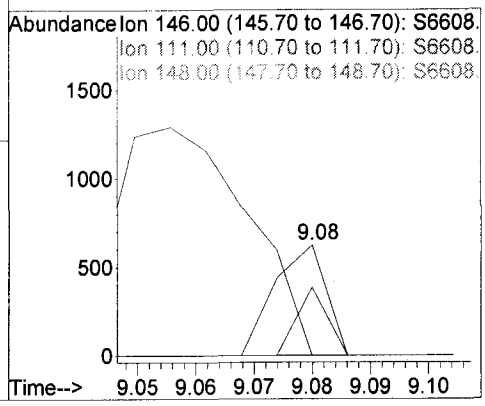


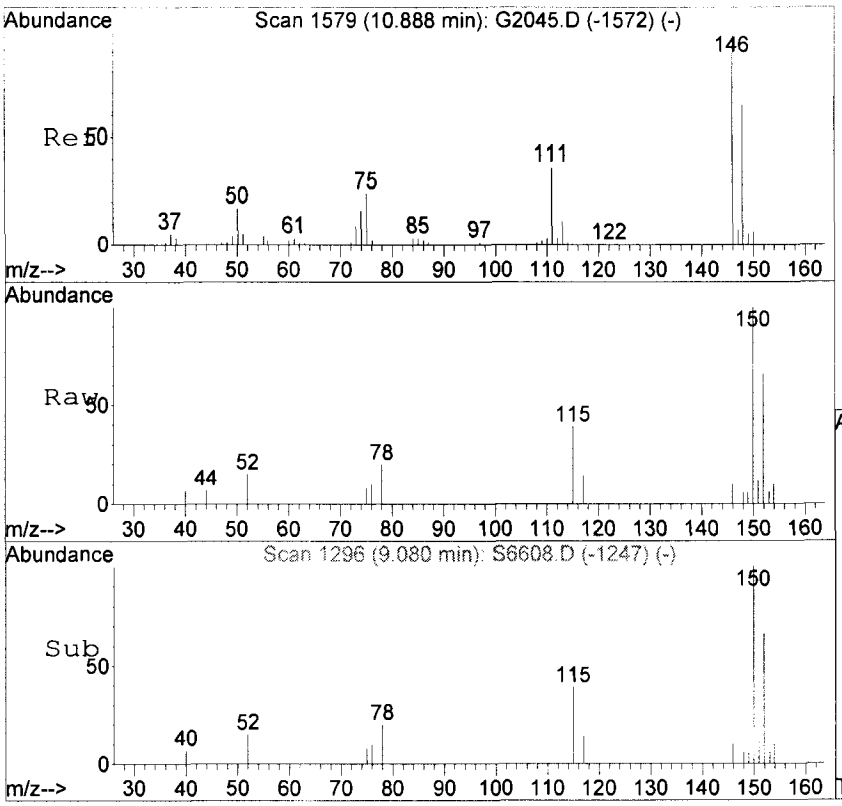


#76
C260 1,3-Dichlorobenzene
Concen: Below Cal
RT: 9.08 min Scan# 1296
Delta R.T. 0.07 min
Lab File: S6608.D
Acq: 9 Aug 2008 16:33

Tgt Ion:146 Resp: 388

Ion	Ratio	Lower	Upper
146	100		
111	0.0	9.6	69.6#
148	61.7	33.5	93.5

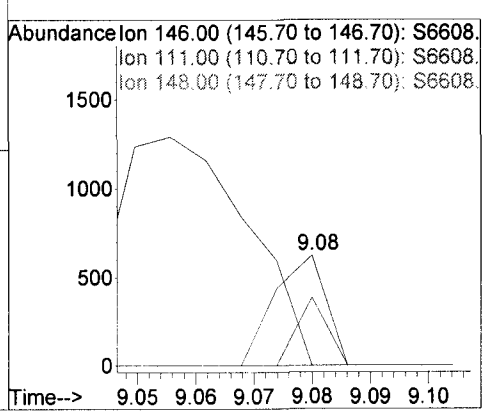




#78
C267 1,4-Dichlorobenzene
Concen: Below Cal
RT: 9.08 min Scan# 1296
Delta R.T. 0.00 min
Lab File: S6608.D
Acq: 9 Aug 2008 16:33

Tgt Ion:146 Resp: 388

Ion	Ratio	Lower	Upper
146	100		
111	0.0	6.1	66.1#
148	61.7	34.5	94.5



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-11

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919507

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8223.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-11

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919507

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8223.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

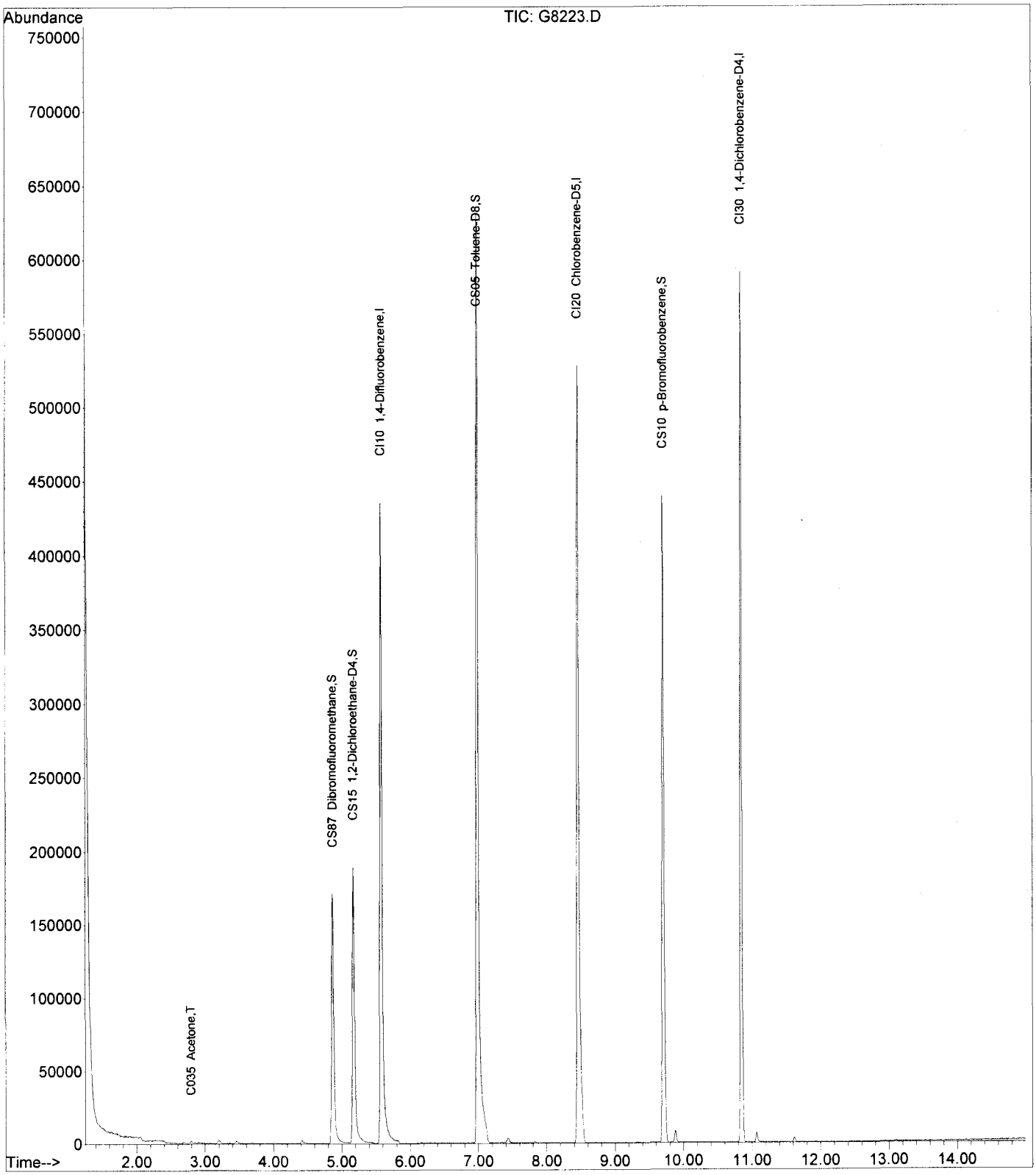
GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Data File : H:\GCMS_VOA\TEMP\G8223.D Vial: 11
Acq On : 10 Aug 2008 16:06 Operator: ND
Sample : A8919507 B Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 11 18:34:18 2008 Results File: A8I0000...THPT.RES
Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Mon Aug 11 11:23:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\G8223.D Vial: 11
Acq On : 10 Aug 2008 16:06 Operator: ND
Sample : A8919507 B Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 11 18:34:18 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Mon Aug 11 11:23:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\081008\G8213.D (10 Aug 2008 11:38)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.58	114	473158	125.00	ng	0.00 89.49%
43) CI20	Chlorobenzene-D5	8.46	82	205758	125.00	ng	0.00 87.44%
63) CI30	1,4-Dichlorobenzene-	10.85	152	167868	125.00	ng	0.00 81.69%

System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.87	111	134708	139.38	NG	0.00
Spiked Amount	125.000	Range 70 - 130		Recovery =	111.50%		
31) CS15	1,2-Dichloroethane-D	5.17	65	154022	136.82	ng	0.00
Spiked Amount	125.000	Range 66 - 137		Recovery =	109.46%		
44) CS05	Toluene-D8	6.99	98	558555	136.14	ng	0.00
Spiked Amount	125.000	Range 71 - 126		Recovery =	108.91%		
62) CS10	p-Bromofluorobenzene	9.71	174	148253	133.32	ng	0.00
Spiked Amount	125.000	Range 73 - 120		Recovery =	106.66%		

Target Compounds						Qvalue
2) C290	Dichlorodifluorome	0.00	85	0	N.D.	
3) C010	Chloromethane	1.47	50	63	N.D.	
4) C020	Vinyl chloride	0.00	62	0	N.D.	
5) C015	Bromomethane	1.90	94	56	N.D.	
6) C025	Chloroethane	0.00	64	0	N.D.	
7) C275	Trichlorofluoromet	0.00	101	0	N.D.	
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.	
9) C030	Methylene chloride	3.20	84	1612	Below Cal	83
10) C040	Carbon disulfide	2.91	76	1232	N.D.	
11) C036	Acrolein	0.00	56	0	N.D.	
12) C038	Acrylonitrile	0.00	53	0	N.D.	
13) C035	Acetone	2.79	43	2201	4.12 ng	97
14) C300	Acetonitrile	0.00	41	0	N.D.	
15) C276	Iodomethane	2.85	142	125	N.D.	
16) C291	1,1,2-Trichloro-1,	0.00	101	0	N.D.	
17) C962	T-butyl Methyl Eth	3.46	73	2360	N.D.	
18) C057	trans-1,2-Dichloro	0.00	96	0	N.D.	
19) C255	Methyl Acetate	0.00	43	0	N.D.	
20) C050	1,1-Dichloroethane	3.85	63	56	N.D.	
21) C125	Vinyl Acetate	0.00	43	0	N.D.	
22) C051	2,2-Dichloropropan	0.00	77	0	N.D.	
23) C056	cis-1,2-Dichloroet	4.41	96	312	N.D.	
24) C272	Tetrahydrofuran	4.72	42	58	N.D.	
25) C222	Bromochloromethane	0.00	128	0	N.D.	
27) C060	Chloroform	0.00	83	0	N.D.	
28) C115	1,1,1-Trichloroeth	0.00	97	0	N.D.	
29) C120	Carbon tetrachlori	0.00	117	0	N.D.	
30) C116	1,1-Dichloropropen	0.00	75	0	N.D.	
32) C165	Benzene	5.21	78	218	N.D.	
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.	
34) C110	2-Butanone	4.45	43	247	N.D.	
35) C256	Cyclohexane	0.00	56	0	N.D.	
36) C150	Trichloroethene	5.83	95	307	N.D.	
37) C140	1,2-Dichloropropan	0.00	63	0	N.D.	
38) C278	Dibromomethane	0.00	93	0	N.D.	

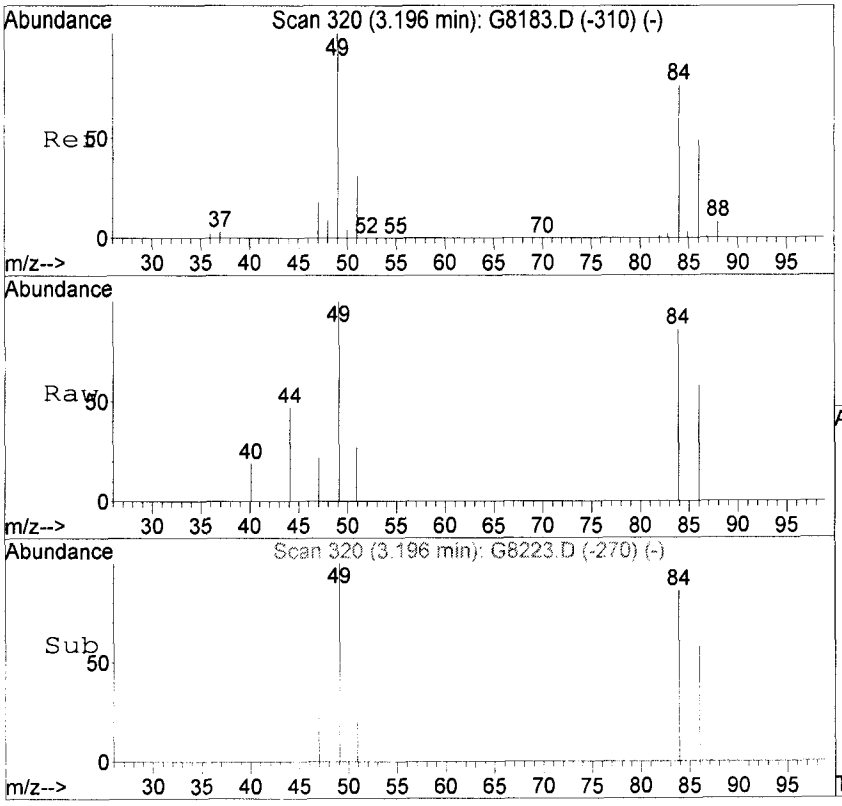
Data File : H:\GCMS_VOA\TEMP\G8223.D Vial: 11
Acq On : 10 Aug 2008 16:06 Operator: ND
Sample : A8919507 B Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 11 18:34:18 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Mon Aug 11 11:23:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\081008\G8213.D (10 Aug 2008 11:38)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	0.00	83	0	N.D.		
40) C161	2-Chloroethylvinyl	0.00	63	0	N.D.		
41) C012	Methylcyclohexane	0.00	83	0	N.D.		
42) C145	cis-1,3-Dichloropr	0.00	75	0	N.D.		
45) C230	Toluene	7.05	92	417	N.D.		
46) C170	trans-1,3-Dichloro	0.00	75	0	N.D.		
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.		
48) C160	1,1,2-Trichloroeth	0.00	83	0	N.D.		
49) C210	4-Methyl-2-pentano	0.00	43	0	N.D.	d	
50) C220	Tetrachloroethene	0.00	166	0	N.D.		
51) C221	1,3-Dichloropropan	0.00	76	0	N.D.		
52) C155	Dibromochlorometha	0.00	129	0	N.D.		
53) C163	1,2-Dibromoethane	0.00	107	0	N.D.		
54) C215	2-Hexanone	0.00	43	0	N.D.		
55) C235	Chlorobenzene	0.00	112	0	N.D.		
56) C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.		
57) C240	Ethylbenzene	8.72	91	161	N.D.		
58) C246	m,p-Xylene	0.00	106	0	N.D.		
59) C247	o-Xylene	0.00	106	0	N.D.		
60) C245	Styrene	0.00	104	0	N.D.		
61) C180	Bromoform	0.00	173	0	N.D.		
64) C966	Isopropylbenzene	0.00	105	0	N.D.		
65) C301	Bromobenzene	0.00	156	0	N.D.		
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.		
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.		
68) C283	t-1,4-Dichloro-2-B	0.00	51	0	N.D.		
69) C302	n-Propylbenzene	0.00	91	0	N.D.		
70) C303	2-Chlorotoluene	0.00	126	0	N.D.		
71) C289	4-Chlorotoluene	0.00	126	0	N.D.		
72) C304	1,3,5-Trimethylben	0.00	105	0	N.D.		
73) C306	tert-Butylbenzene	0.00	134	0	N.D.		
74) C307	1,2,4-Trimethylben	0.00	105	0	N.D.		
75) C308	sec-Butylbenzene	0.00	105	0	N.D.		
76) C260	1,3-Dichlorobenzen	10.87	146	250	N.D.		
77) C309	4-Isopropyltoluene	0.00	119	0	N.D.		
78) C267	1,4-Dichlorobenzen	10.87	146	250	N.D.		
79) C249	1,2-Dichlorobenzen	0.00	146	0	N.D.		
80) C310	n-Butylbenzene	0.00	91	0	N.D.		
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.		
82) C313	1,2,4-Trichloroben	0.00	180	0	N.D.		
83) C316	Hexachlorobutadien	0.00	225	0	N.D.		
84) C314	Naphthalene	0.00	128	0	N.D.		
85) C934	1,2,3-Trichloroben	0.00	180	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

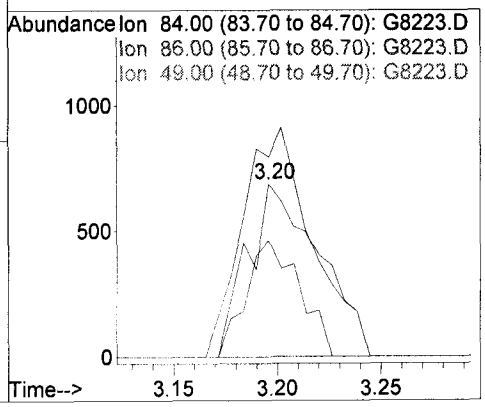
2/19/09

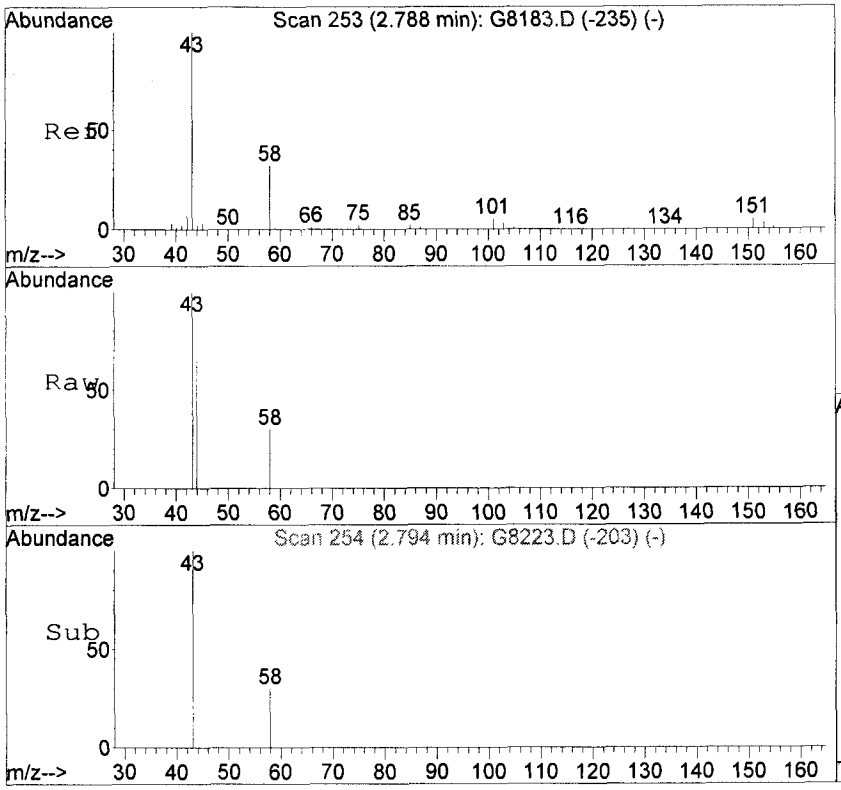


#9
C030 Methylene chloride
Concen: ~~Below Cal~~
RT: 3.20 min Scan# 320
Delta R.T. 0.01 min
Lab File: G8223.D
Acq: 10 Aug 2008 16:06

Tgt Ion: 84 Resp: 1612

Ion	Ratio	Lower	Upper
84	100		
86	67.2	31.9	91.9
49	115.7	112.6	172.6

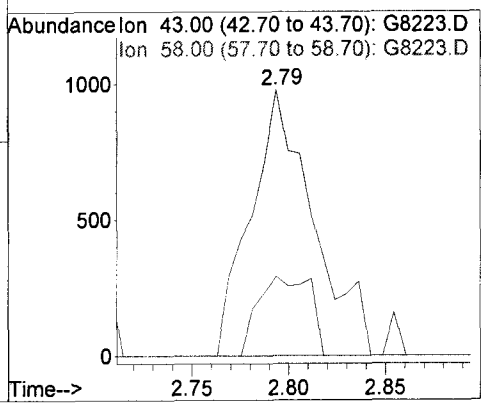




#13
C035 Acetone
Concen: 4.12 ng
RT: 2.79 min Scan# 254
Delta R.T. 0.01 min
Lab File: G8223.D
Acq: 10 Aug 2008 16:06

Tgt Ion: 43 Resp: 2201

Ion	Ratio	Lower	Upper
43	100		
58	29.9	1.4	61.4



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14BR

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919502

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8219.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 8.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	2100	
71-43-2	Benzene	40	U
75-27-4	Bromodichloromethane	40	U
75-25-2	Bromoform	40	U
74-83-9	Bromomethane	40	U
78-93-3	2-Butanone	200	U
75-15-0	Carbon Disulfide	40	U
56-23-5	Carbon Tetrachloride	40	U
108-90-7	Chlorobenzene	40	U
75-00-3	Chloroethane	40	U
67-66-3	Chloroform	14	J
74-87-3	Chloromethane	40	U
110-82-7	Cyclohexane	40	U
106-93-4	1,2-Dibromoethane	40	U
124-48-1	Dibromochloromethane	40	U
96-12-8	1,2-Dibromo-3-chloropropane	40	U
95-50-1	1,2-Dichlorobenzene	40	U
541-73-1	1,3-Dichlorobenzene	40	U
106-46-7	1,4-Dichlorobenzene	40	U
75-71-8	Dichlorodifluoromethane	40	U
75-34-3	1,1-Dichloroethane	40	U
107-06-2	1,2-Dichloroethane	40	U
75-35-4	1,1-Dichloroethene	40	U
156-59-2	cis-1,2-Dichloroethene	40	U
156-60-5	trans-1,2-Dichloroethene	40	U
78-87-5	1,2-Dichloropropane	40	U
10061-01-5	cis-1,3-Dichloropropene	40	U
10061-02-6	trans-1,3-Dichloropropene	40	U
100-41-4	Ethylbenzene	40	U
591-78-6	2-Hexanone	200	U
98-82-8	Isopropylbenzene	40	U
79-20-9	Methyl acetate	40	U
108-87-2	Methylcyclohexane	40	U
75-09-2	Methylene chloride	40	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14BR

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919502

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8219.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

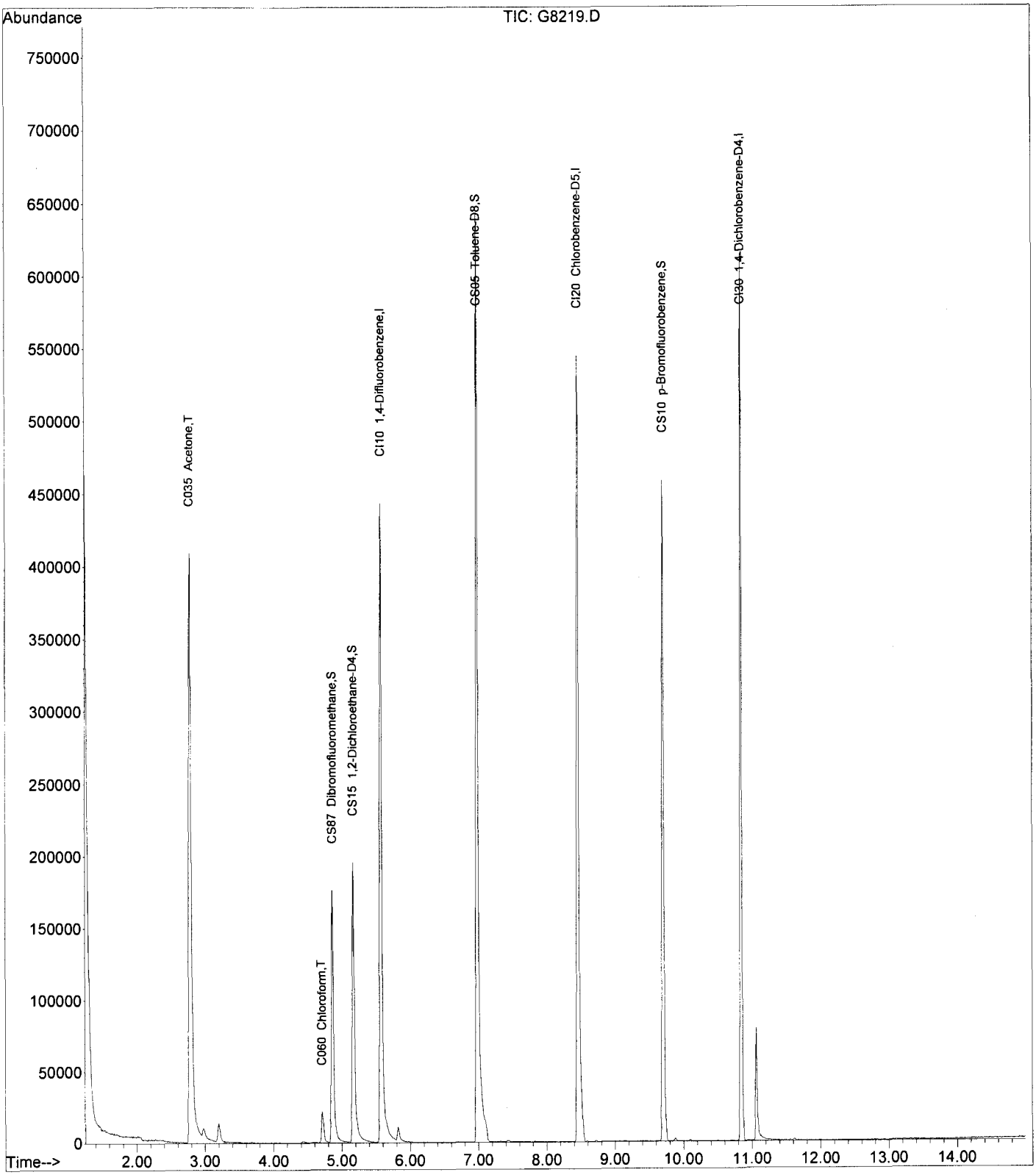
GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 8.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	200	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	40	U
100-42-5	Styrene	40	U
79-34-5	1,1,2,2-Tetrachloroethane	40	U
127-18-4	Tetrachloroethene	40	U
108-88-3	Toluene	40	U
120-82-1	1,2,4-Trichlorobenzene	40	U
71-55-6	1,1,1-Trichloroethane	40	U
79-00-5	1,1,2-Trichloroethane	40	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	40	U
75-69-4	Trichlorofluoromethane	40	U
79-01-6	Trichloroethene	40	U
75-01-4	Vinyl chloride	40	U
1330-20-7	Total Xylenes	120	U

Data File : H:\GCMS_VOA\TEMP\G8219.D Vial: 7
Acq On : 10 Aug 2008 14:33 Operator: ND
Sample : A8919502 DF8 B Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 11 18:30:56 2008 Results File: A8I0000...THPT.RES
Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Mon Aug 11 11:23:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\G8219.D Vial: 7
Acq On : 10 Aug 2008 14:33 Operator: ND
Sample : A8919502 DF8 B Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 11 18:30:56 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Mon Aug 11 11:23:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\081008\G8213.D (10 Aug 2008 11:38)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.58	114	479866	125.00	ng	0.00 90.76%
43) CI20	Chlorobenzene-D5	8.46	82	212927	125.00	ng	0.00 90.49%
63) CI30	1,4-Dichlorobenzene-	10.85	152	174061	125.00	ng	0.00 84.70%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.87	111	135902	138.65	NG	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery	=	110.92%	
31) CS15	1,2-Dichloroethane-D	5.17	65	157950	138.34	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery	=	110.67%	
44) CS05	Toluene-D8	6.99	98	568543	133.91	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery	=	107.13%	
62) CS10	p-Bromofluorobenzene	9.71	174	152256	132.31	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery	=	105.85%	

Target Compounds							Qvalue
2) C290	Dichlorodifluorome	0.00	85	0	N.D.		
3) C010	Chloromethane	1.48	50	200	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	1.88	94	81	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluoromet	0.00	101	0	N.D.		
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
9) C030	Methylene chloride	3.20	84	7911	N.D.		
10) C040	Carbon disulfide	2.90	76	2720	N.D.		
11) C036	Acrolein	0.00	56	0	N.D.		
12) C038	Acrylonitrile	0.00	53	0	N.D.		
13) C035	Acetone	2.78	43	726241	1340.71	ng	100
14) C300	Acetonitrile	0.00	41	0	N.D.	d	
15) C276	Iodomethane	0.00	142	0	N.D.		
16) C291	1,1,2-Trichloro-1,	0.00	101	0	N.D.		
17) C962	T-butyl Methyl Eth	0.00	73	0	N.D.		
18) C057	trans-1,2-Dichloro	0.00	96	0	N.D.		
19) C255	Methyl Acetate	3.10	43	1355	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropan	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroet	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
27) C060	Chloroform	4.71	83	20347	8.97	ng	96
28) C115	1,1,1-Trichloroeth	0.00	97	0	N.D.		
29) C120	Carbon tetrachlori	0.00	117	0	N.D.		
30) C116	1,1-Dichloropropen	0.00	75	0	N.D.		
32) C165	Benzene	5.21	78	639	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	0.00	43	0	N.D.	d	
35) C256	Cyclohexane	0.00	56	0	N.D.		
36) C150	Trichloroethene	0.00	95	0	N.D.		
37) C140	1,2-Dichloropropan	0.00	63	0	N.D.		
38) C278	Dibromomethane	0.00	93	0	N.D.		

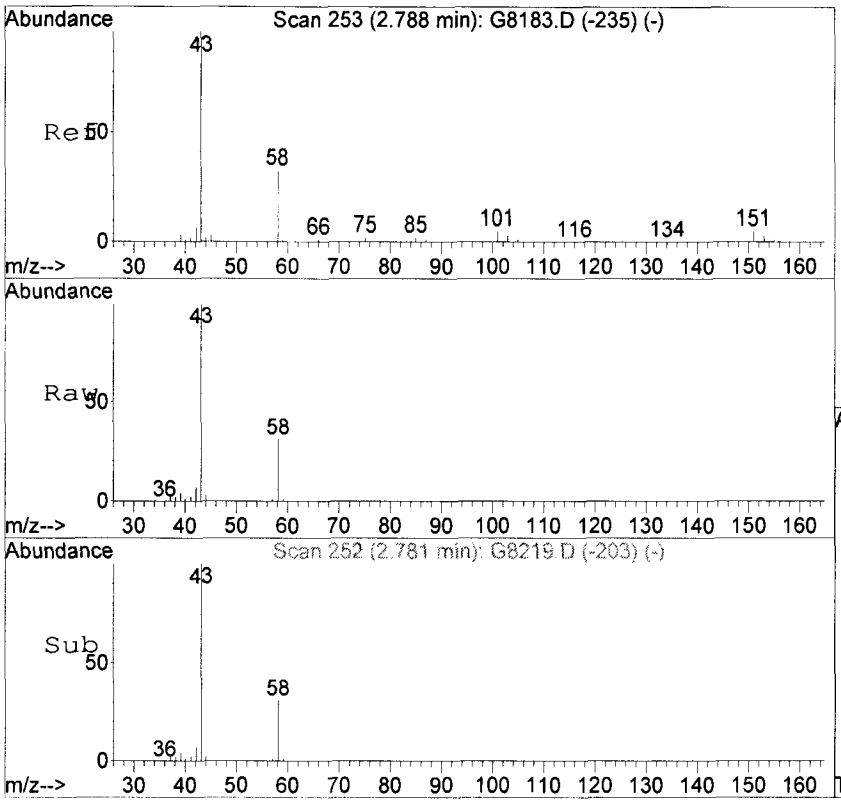
Quantitation Report TA Buffalo (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\G8219.D Vial: 7
Acq On : 10 Aug 2008 14:33 Operator: ND
Sample : A8919502 DF8 B Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 11 18:30:56 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Mon Aug 11 11:23:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\081008\G8213.D (10 Aug 2008 11:38)

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	0.00	83	0	N.D.	
40) C161	2-Chloroethylvinyl	0.00	63	0	N.D.	
41) C012	Methylcyclohexane	0.00	83	0	N.D.	
42) C145	cis-1,3-Dichloropr	0.00	75	0	N.D.	
45) C230	Toluene	7.05	92	1555	N.D.	
46) C170	trans-1,3-Dichloro	0.00	75	0	N.D.	
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48) C160	1,1,2-Trichloroeth	0.00	83	0	N.D.	
49) C210	4-Methyl-2-pentano	0.00	43	0	N.D.	d
50) C220	Tetrachloroethene	0.00	166	0	N.D.	
51) C221	1,3-Dichloropropan	0.00	76	0	N.D.	
52) C155	Dibromochlorometha	0.00	129	0	N.D.	
53) C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54) C215	2-Hexanone	7.83	43	167	N.D.	
55) C235	Chlorobenzene	0.00	112	0	N.D.	
56) C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.	
57) C240	Ethylbenzene	8.73	91	878	N.D.	
58) C246	m,p-Xylene	8.72	106	318	N.D.	
59) C247	o-Xylene	9.15	106	59	N.D.	
60) C245	Styrene	0.00	104	0	N.D.	
61) C180	Bromoform	0.00	173	0	N.D.	
64) C966	Isopropylbenzene	0.00	105	0	N.D.	
65) C301	Bromobenzene	0.00	156	0	N.D.	
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.	
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.	
68) C283	t-1,4-Dichloro-2-B	0.00	51	0	N.D.	
69) C302	n-Propylbenzene	0.00	91	0	N.D.	
70) C303	2-Chlorotoluene	0.00	126	0	N.D.	
71) C289	4-Chlorotoluene	0.00	126	0	N.D.	
72) C304	1,3,5-Trimethylben	0.00	105	0	N.D.	
73) C306	tert-Butylbenzene	0.00	134	0	N.D.	
74) C307	1,2,4-Trimethylben	10.50	105	194	N.D.	
75) C308	sec-Butylbenzene	10.50	105	194	N.D.	
76) C260	1,3-Dichlorobenzen	10.87	146	445	N.D.	
77) C309	4-Isopropyltoluene	10.80	119	59	N.D.	
78) C267	1,4-Dichlorobenzen	10.87	146	445	N.D.	
79) C249	1,2-Dichlorobenzen	0.00	146	0	N.D.	
80) C310	n-Butylbenzene	11.19	91	58	N.D.	
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.	
82) C313	1,2,4-Trichloroben	0.00	180	0	N.D.	
83) C316	Hexachlorobutadien	0.00	225	0	N.D.	
84) C314	Naphthalene	12.83	128	251	N.D.	
85) C934	1,2,3-Trichloroben	0.00	180	0	N.D.	

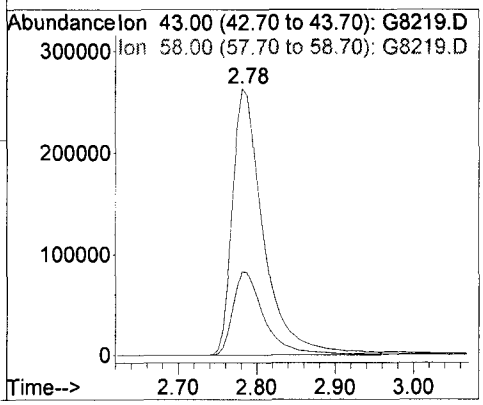
(#) = qualifier out of range (m) = manual integration (+) = signals summed

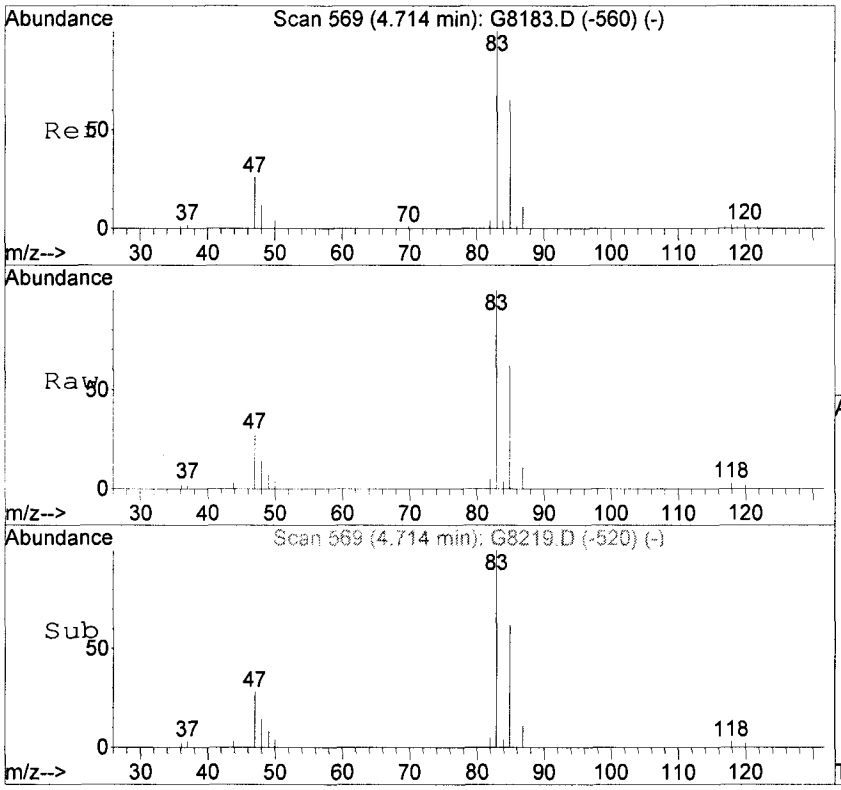


#13
C035 Acetone
Concen: 1340.71 ng
RT: 2.78 min Scan# 252
Delta R.T. -0.00 min
Lab File: G8219.D
Acq: 10 Aug 2008 14:33

Tgt Ion: 43 Resp: 726241

Ion	Ratio	Lower	Upper
43	100		
58	31.5	1.4	61.4

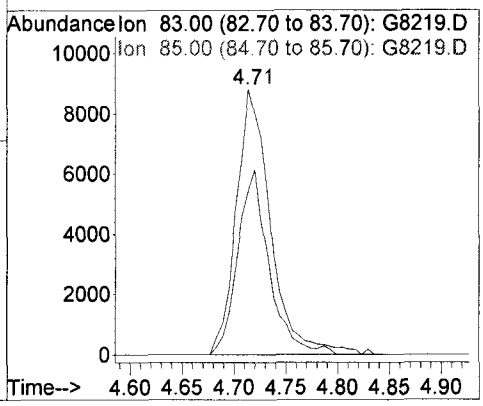




#27
C060 Chloroform
Concen: 8.97 ng
RT: 4.71 min Scan# 569
Delta R.T. -0.00 min
Lab File: G8219.D
Acq: 10 Aug 2008 14:33

Tgt Ion: 83 Resp: 20347

Ion	Ratio	Lower	Upper
83	100		
85	61.8	34.9	94.9



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14S

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919501

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8218.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	2.3	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	0.26	J
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	2.2	J
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14S

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919501

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8218.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

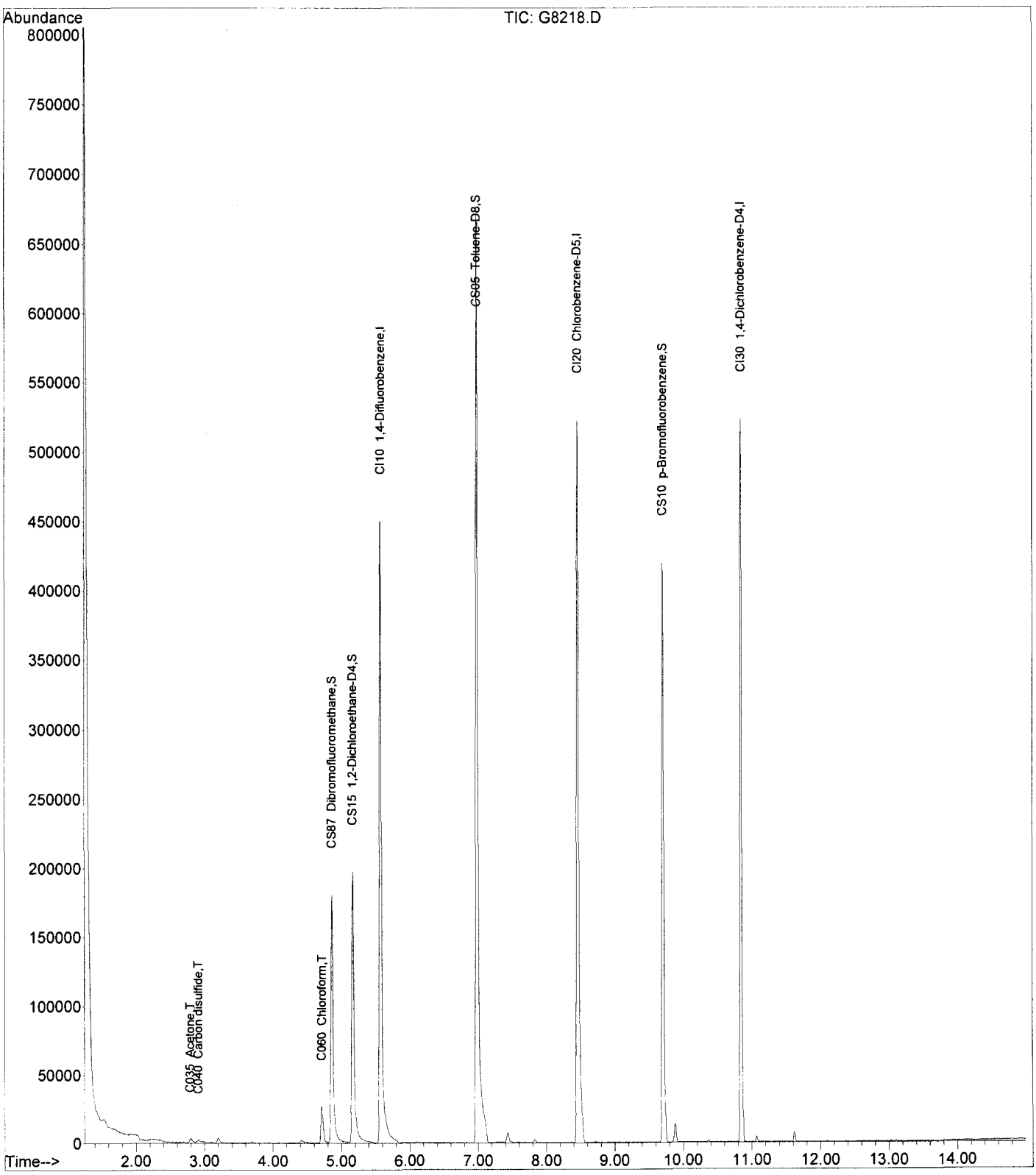
GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Data File : H:\GCMS_VOA\TEMP\G8218.D Vial: 6
Acq On : 10 Aug 2008 14:10 Operator: ND
Sample : A8919501 B Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 11 18:30:12 2008 Results File: A8I0000...THPT.RES
Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Mon Aug 11 11:23:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\G8218.D Vial: 6
Acq On : 10 Aug 2008 14:10 Operator: ND
Sample : A8919501 B Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 11 18:30:12 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Mon Aug 11 11:23:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\081008\G8213.D (10 Aug 2008 11:38)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI10 1,4-Difluorobenzene	5.58	114	494112	125.00 ng	0.00 93.45%
43) CI20 Chlorobenzene-D5	8.46	82	207661	125.00 ng	0.00 88.25%
63) CI30 1,4-Dichlorobenzene-	10.85	152	154851	125.00 ng	0.00 75.35%

System Monitoring Compounds					
26) CS87 Dibromofluoromethane	4.87	111	141154	139.85 NG	0.00
Spiked Amount 125.000	Range 70 - 130		Recovery = 111.88%		
31) CS15 1,2-Dichloroethane-D	5.17	65	168481	143.31 ng	0.00
Spiked Amount 125.000	Range 66 - 137		Recovery = 114.65%		
44) CS05 Toluene-D8	6.99	98	603498	145.75 ng	0.00
Spiked Amount 125.000	Range 71 - 126		Recovery = 116.60%		
62) CS10 p-Bromofluorobenzene	9.71	174	143574	127.93 ng	0.00
Spiked Amount 125.000	Range 73 - 120		Recovery = 102.34%		

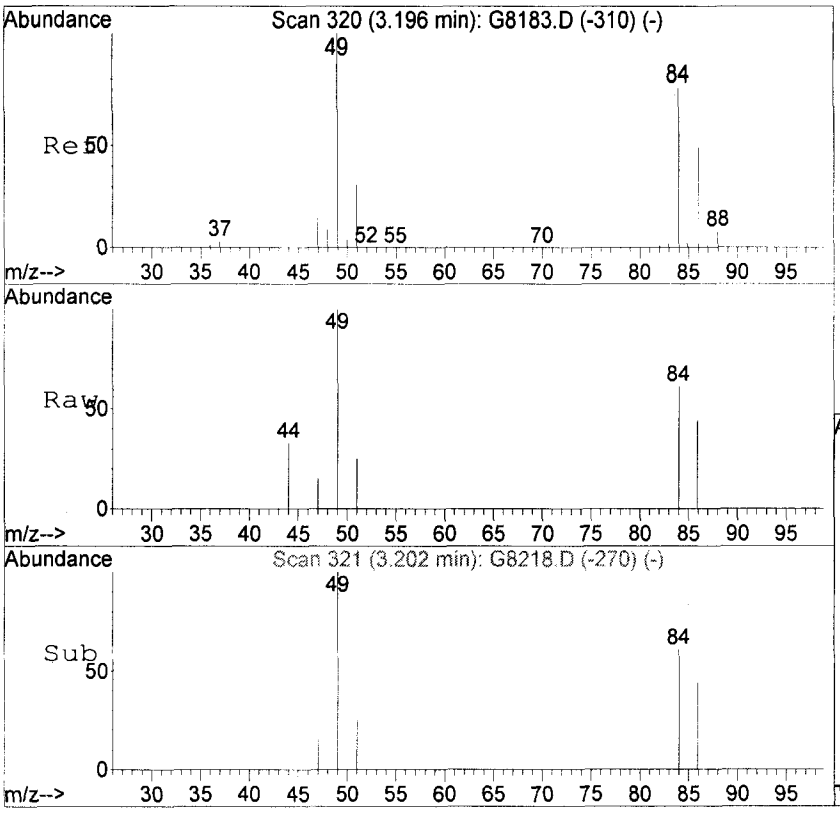
Target Compounds					Qvalue
2) C290 Dichlorodifluorome	0.00	85	0	N.D.	
3) C010 Chloromethane	1.45	50	480	N.D.	
4) C020 Vinyl chloride	0.00	62	0	N.D.	
5) C015 Bromomethane	0.00	94	0	N.D.	
6) C025 Chloroethane	0.00	64	0	N.D.	
7) C275 Trichlorofluoromet	0.00	101	0	N.D.	
8) C045 1,1-Dichloroethene	0.00	96	0	N.D.	
9) C030 Methylene chloride	3.20	84	2108	Below Cal	83
10) C040 Carbon disulfide	2.91	76	5482	1.28 ng	90
11) C036 Acrolein	2.64	56	137	N.D.	
12) C038 Acrylonitrile	0.00	53	0	N.D.	
13) C035 Acetone	2.79	43	6551	11.75 ng	99
14) C300 Acetonitrile	0.00	41	0	N.D. d	
15) C276 Iodomethane	0.00	142	0	N.D.	
16) C291 1,1,2-Trichloro-1,	0.00	101	0	N.D.	
17) C962 T-butyl Methyl Eth	0.00	73	0	N.D.	
18) C057 trans-1,2-Dichloro	0.00	96	0	N.D.	
19) C255 Methyl Acetate	3.05	43	61	N.D.	
20) C050 1,1-Dichloroethane	0.00	63	0	N.D.	
21) C125 Vinyl Acetate	0.00	43	0	N.D.	
22) C051 2,2-Dichloropropan	0.00	77	0	N.D.	
23) C056 cis-1,2-Dichloroet	0.00	96	0	N.D.	
24) C272 Tetrahydrofuran	4.72	42	260	N.D.	
25) C222 Bromochloromethane	0.00	128	0	N.D.	
27) C060 Chloroform	4.71	83	25336	10.85 ng	99
28) C115 1,1,1-Trichloroeth	4.86	97	644	N.D.	
29) C120 Carbon tetrachlori	0.00	117	0	N.D.	
30) C116 1,1-Dichloropropen	0.00	75	0	N.D.	
32) C165 Benzene	5.21	78	454	N.D.	
33) C065 1,2-Dichloroethane	0.00	62	0	N.D.	
34) C110 2-Butanone	4.46	43	629	N.D.	
35) C256 Cyclohexane	0.00	56	0	N.D.	
36) C150 Trichloroethene	0.00	95	0	N.D.	
37) C140 1,2-Dichloropropan	0.00	63	0	N.D.	
38) C278 Dibromomethane	0.00	93	0	N.D.	

Data File : H:\GCMS_VOA\TEMP\G8218.D Vial: 6
Acq On : 10 Aug 2008 14:10 Operator: ND
Sample : A8919501 B Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 11 18:30:12 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Mon Aug 11 11:23:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\081008\G8213.D (10 Aug 2008 11:38)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	0.00	83	0	N.D.		
40) C161	2-Chloroethylvinyl	0.00	63	0	N.D.		
41) C012	Methylcyclohexane	0.00	83	0	N.D.		
42) C145	cis-1,3-Dichloropr	0.00	75	0	N.D.		
45) C230	Toluene	7.06	92	684	N.D.		
46) C170	trans-1,3-Dichloro	0.00	75	0	N.D.		
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.		
48) C160	1,1,2-Trichloroeth	0.00	83	0	N.D.		
49) C210	4-Methyl-2-pentano	0.00	43	0	N.D.	d	
50) C220	Tetrachloroethene	0.00	166	0	N.D.		
51) C221	1,3-Dichloropropan	0.00	76	0	N.D.		
52) C155	Dibromochlorometha	0.00	129	0	N.D.		
53) C163	1,2-Dibromoethane	0.00	107	0	N.D.		
54) C215	2-Hexanone	7.83	43	489	N.D.		
55) C235	Chlorobenzene	0.00	112	0	N.D.		
56) C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.		
57) C240	Ethylbenzene	8.72	91	581	N.D.		
58) C246	m,p-Xylene	8.72	106	68	N.D.		
59) C247	o-Xylene	0.00	106	0	N.D.		
60) C245	Styrene	0.00	104	0	N.D.		
61) C180	Bromoform	0.00	173	0	N.D.		
64) C966	Isopropylbenzene	0.00	105	0	N.D.		
65) C301	Bromobenzene	0.00	156	0	N.D.		
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.		
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.		
68) C283	t-1,4-Dichloro-2-B	0.00	51	0	N.D.		
69) C302	n-Propylbenzene	9.95	91	138	N.D.		
70) C303	2-Chlorotoluene	0.00	126	0	N.D.		
71) C289	4-Chlorotoluene	0.00	126	0	N.D.		
72) C304	1,3,5-Trimethylben	0.00	105	0	N.D.		
73) C306	tert-Butylbenzene	0.00	134	0	N.D.		
74) C307	1,2,4-Trimethylben	0.00	105	0	N.D.		
75) C308	sec-Butylbenzene	0.00	105	0	N.D.		
76) C260	1,3-Dichlorobenzen	10.87	146	854	N.D.		
77) C309	4-Isopropyltoluene	10.79	119	56	N.D.		
78) C267	1,4-Dichlorobenzen	10.87	146	854	N.D.		
79) C249	1,2-Dichlorobenzen	0.00	146	0	N.D.		
80) C310	n-Butylbenzene	11.18	91	221	N.D.		
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.		
82) C313	1,2,4-Trichloroben	12.62	180	372	N.D.		
83) C316	Hexachlorobutadien	0.00	225	0	N.D.		
84) C314	Naphthalene	12.83	128	815	N.D.		
85) C934	1,2,3-Trichloroben	13.04	180	285	N.D.		

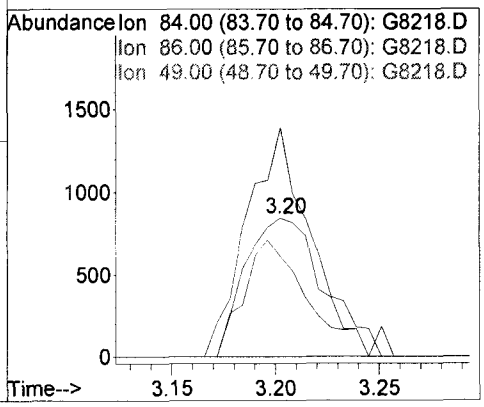
(#) = qualifier out of range (m) = manual integration (+) = signals summed

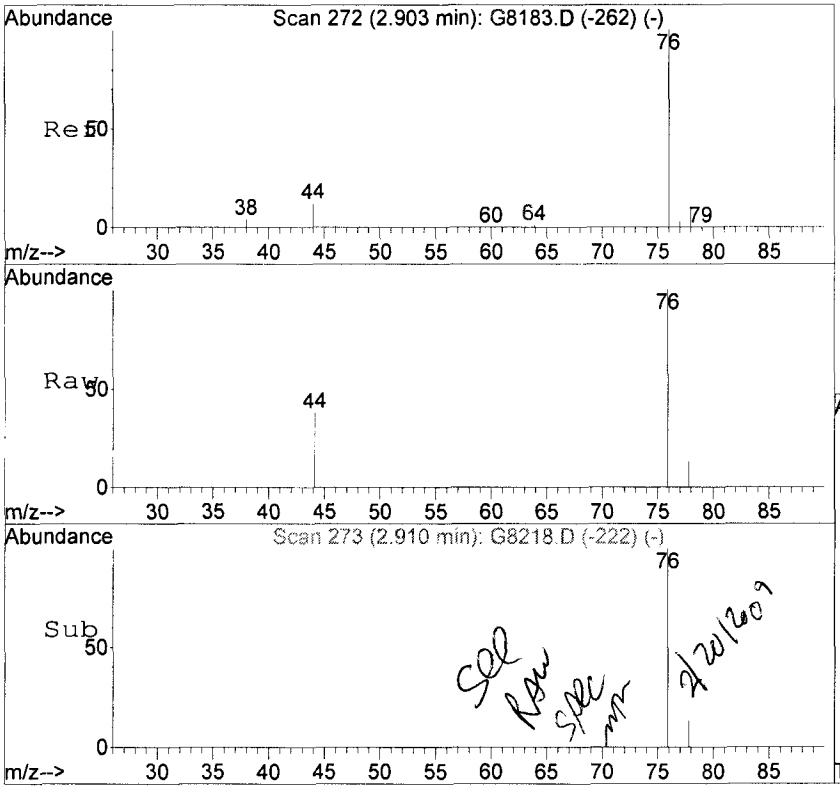


#9
C030 Methylene chloride
Concen: Below Cal
RT: 3.20 min Scan# 321
Delta R.T. 0.01 min
Lab File: G8218.D
Acq: 10 Aug 2008 14:10

Tgt Ion: 84 Resp: 2108

Ion	Ratio	Lower	Upper
84	100		
86	72.3	31.9	91.9
49	164.6	112.6	172.6

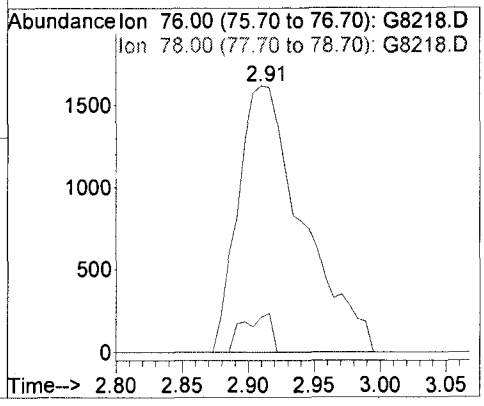


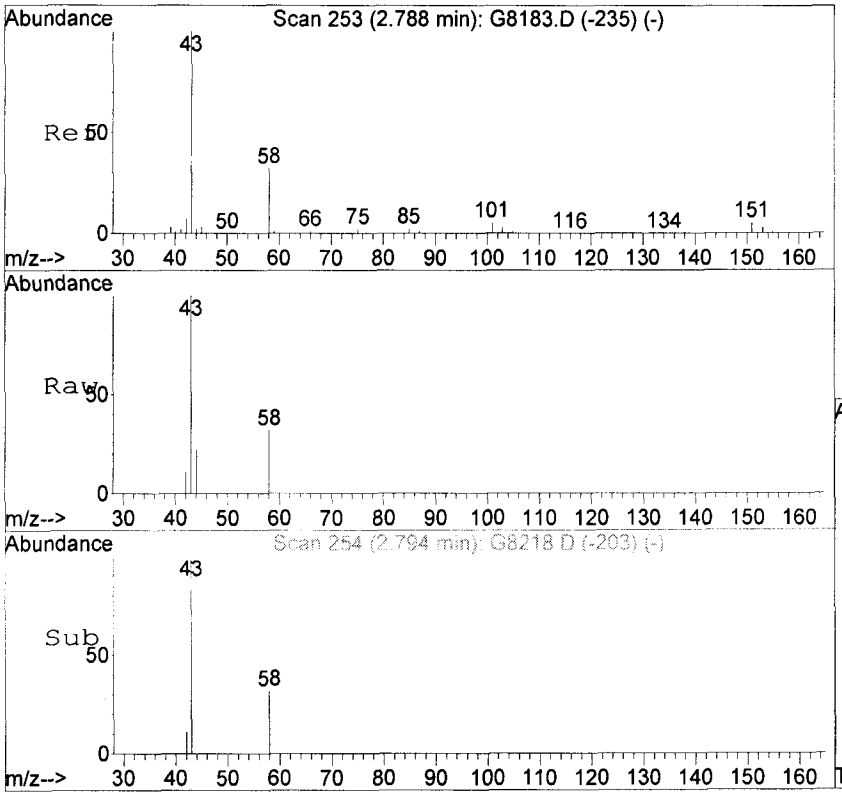


#10
C040 Carbon disulfide
Concen: 1.28 ng
RT: 2.91 min Scan# 273
Delta R.T. 0.01 min
Lab File: G8218.D
Acq: 10 Aug 2008 14:10

Tgt Ion: 76 Resp: 5482

Ion	Ratio	Lower	Upper
76	100		
78	12.9	0.0	39.3

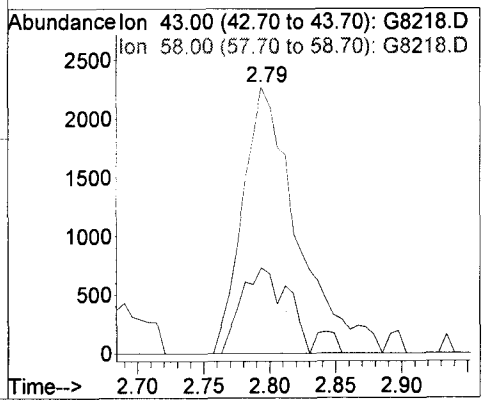


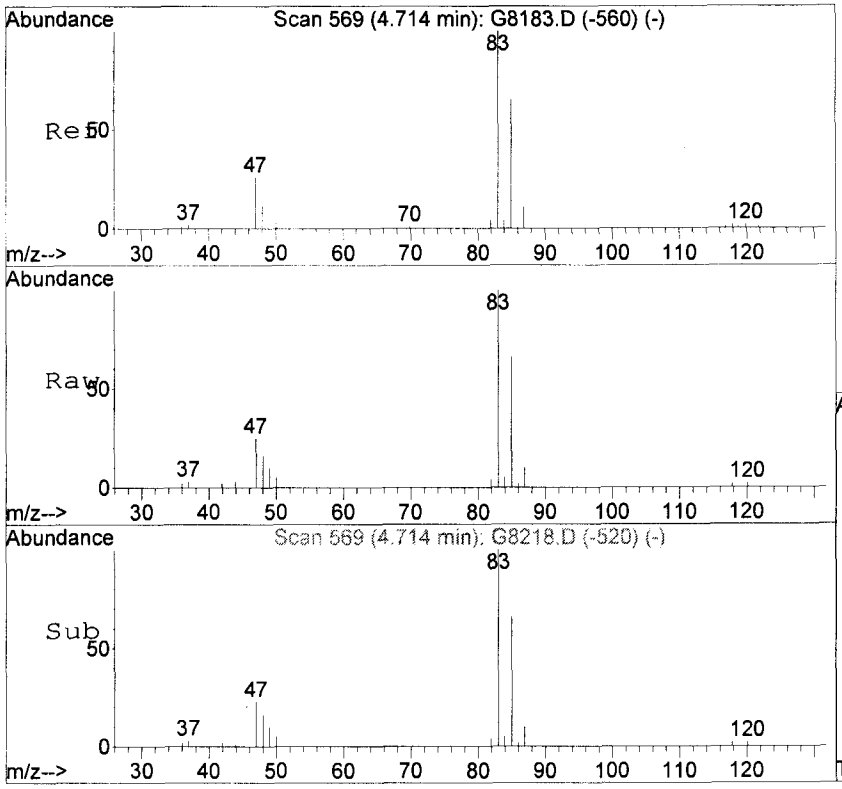


#13
C035 Acetone
Concen: 11.75 ng
RT: 2.79 min Scan# 254
Delta R.T. 0.01 min
Lab File: G8218.D
Acq: 10 Aug 2008 14:10

Tgt Ion: 43 Resp: 6551

Ion	Ratio	Lower	Upper
43	100		
58	32.2	1.4	61.4

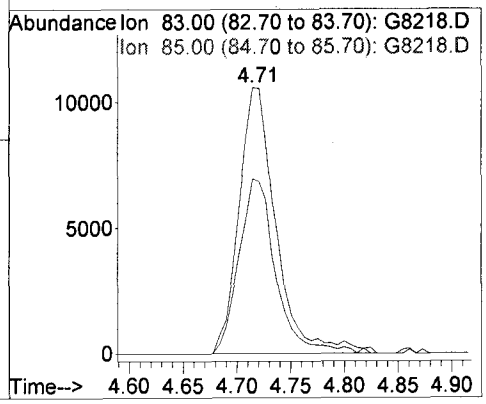




#27
C060 Chloroform
Concen: 10.85 ng
RT: 4.71 min Scan# 569
Delta R.T. 0.00 min
Lab File: G8218.D
Acq: 10 Aug 2008 14:10

Tgt Ion: 83 Resp: 25336

Ion	Ratio	Lower	Upper
83	100		
85	65.8	34.9	94.9



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-15BR

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919505

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8221.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	6.0	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	0.30	J
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	11	
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-15BR

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919505

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8221.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

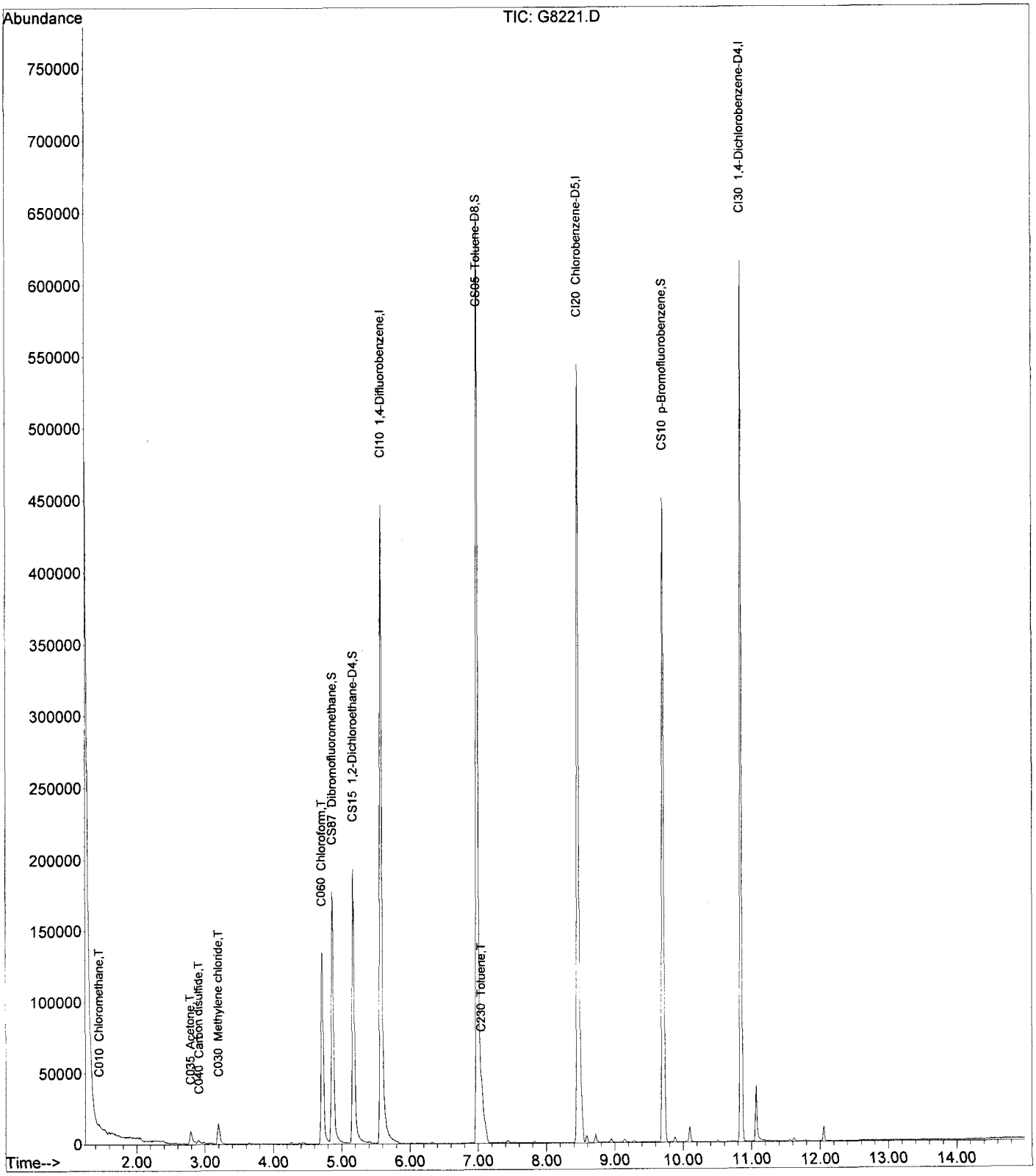
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Data File : H:\GCMS_VOA\TEMP\G8221.D
Acq On : 10 Aug 2008 15:19
Sample : A8919505 B
Misc :
MS Integration Params: RTEINT.P

Vial: 9
Operator: ND
Inst : HP5973G
Multiplr: 1.00

Quant Time: Aug 11 18:32:42 2008 Results File: A8I0000...THPT.RES
Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Mon Aug 11 11:23:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Data File : H:\GCMS_VOA\TEMP\G8221.D Vial: 9
Acq On : 10 Aug 2008 15:19 Operator: ND
Sample : A8919505 B Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 11 18:32:42 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Mon Aug 11 11:23:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\081008\G8213.D (10 Aug 2008 11:38)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.58	114	476100	125.00	ng	0.00 90.05%
43) CI20	Chlorobenzene-D5	8.46	82	215250	125.00	ng	0.00 91.48%
63) CI30	1,4-Dichlorobenzene-	10.85	152	171240	125.00	ng	0.00 83.33%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.87	111	135520	139.35	NG	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery	=	111.48%	
31) CS15	1,2-Dichloroethane-D	5.17	65	156097	137.80	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery	=	110.24%	
44) CS05	Toluene-D8	6.99	98	570097	132.83	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery	=	106.26%	
62) CS10	p-Bromofluorobenzene	9.71	174	152404	131.01	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery	=	104.81%	

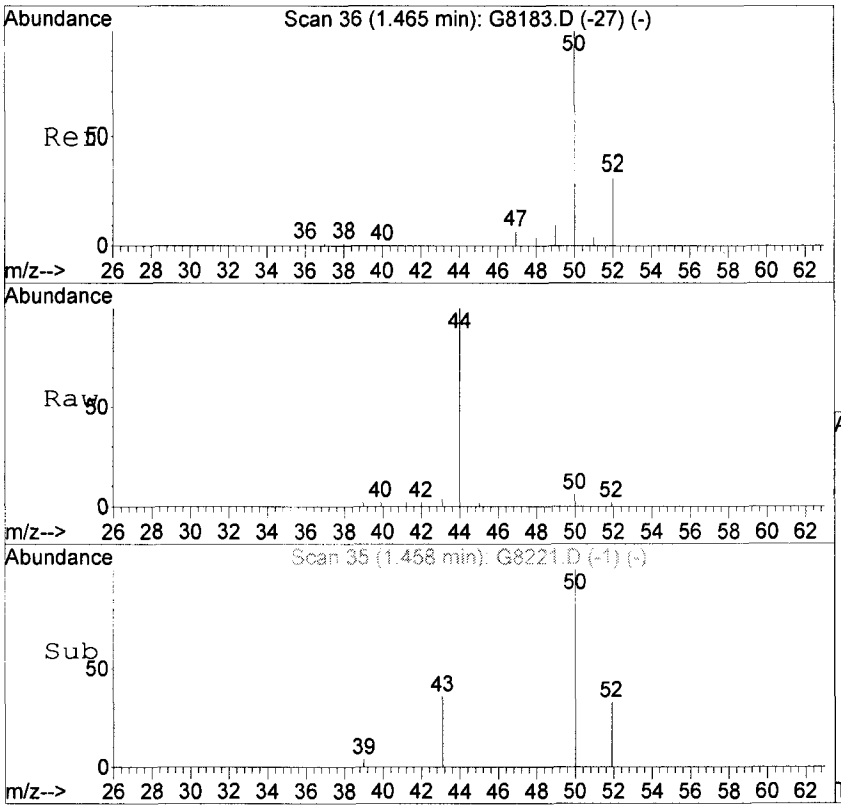
Target Compounds							Qvalue
2) C290	Dichlorodifluorome	0.00	85	0	N.D.		
3) C010	Chloromethane	1.46	50	1865	1.11	ng	100
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluoromet	0.00	101	0	N.D.		
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
9) C030	Methylene chloride	3.20	84	8471	1.31	ng	92
10) C040	Carbon disulfide	2.91	76	6166	1.50	ng	74
11) C036	Acrolein	0.00	56	0	N.D.		
12) C038	Acrylonitrile	0.00	53	0	N.D.		
13) C035	Acetone	2.79	43	16182	30.11	ng	96
14) C300	Acetonitrile	0.00	41	0	N.D.	d	
15) C276	Iodomethane	2.85	142	1432	N.D.		
16) C291	1,1,2-Trichloro-1,	0.00	101	0	N.D.		
17) C962	T-butyl Methyl Eth	0.00	73	0	N.D.		
18) C057	trans-1,2-Dichloro	0.00	96	0	N.D.		
19) C255	Methyl Acetate	0.00	43	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropan	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroet	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	4.72	42	397	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
27) C060	Chloroform	4.71	83	125575	55.82	ng	97
28) C115	1,1,1-Trichloroeth	0.00	97	0	N.D.		
29) C120	Carbon tetrachlori	0.00	117	0	N.D.		
30) C116	1,1-Dichloropropen	0.00	75	0	N.D.		
32) C165	Benzene	5.21	78	1567	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	0.00	43	0	N.D.	d	
35) C256	Cyclohexane	4.96	56	590	N.D.		
36) C150	Trichloroethene	0.00	95	0	N.D.		
37) C140	1,2-Dichloropropan	0.00	63	0	N.D.		
38) C278	Dibromomethane	0.00	93	0	N.D.		

Data File : H:\GCMS_VOA\TEMP\G8221.D Vial: 9
Acq On : 10 Aug 2008 15:19 Operator: ND
Sample : A8919505 B Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 11 18:32:42 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Mon Aug 11 11:23:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\081008\G8213.D (10 Aug 2008 11:38)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	6.32	83	913	N.D.		
40) C161	2-Chloroethylvinyl	0.00	63	0	N.D.		
41) C012	Methylcyclohexane	0.00	83	0	N.D.		
42) C145	cis-1,3-Dichloropr	0.00	75	0	N.D.		
45) C230	Toluene	7.05	92	6475	1.68	ng	96
46) C170	trans-1,3-Dichloro	0.00	75	0	N.D.		
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.		
48) C160	1,1,2-Trichloroeth	0.00	83	0	N.D.		
49) C210	4-Methyl-2-pentano	6.90	43	139	N.D.		
50) C220	Tetrachloroethene	0.00	166	0	N.D.		
51) C221	1,3-Dichloropropan	0.00	76	0	N.D.		
52) C155	Dibromochlorometha	0.00	129	0	N.D.		
53) C163	1,2-Dibromoethane	0.00	107	0	N.D.		
54) C215	2-Hexanone	7.83	43	199	N.D.		
55) C235	Chlorobenzene	0.00	112	0	N.D.		
56) C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.		
57) C240	Ethylbenzene	8.72	91	4494	N.D.		
58) C246	m,p-Xylene	8.72	106	2223	N.D.		
59) C247	o-Xylene	9.14	106	966	N.D.		
60) C245	Styrene	9.16	104	58	N.D.		
61) C180	Bromoform	0.00	173	0	N.D.		
64) C966	Isopropylbenzene	9.53	105	60	N.D.		
65) C301	Bromobenzene	0.00	156	0	N.D.		
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.		
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.		
68) C283	t-1,4-Dichloro-2-B	0.00	51	0	N.D.		
69) C302	n-Propylbenzene	0.00	91	0	N.D.		
70) C303	2-Chlorotoluene	0.00	126	0	N.D.		
71) C289	4-Chlorotoluene	0.00	126	0	N.D.		
72) C304	1,3,5-Trimethylben	10.14	105	348	N.D.		
73) C306	tert-Butylbenzene	0.00	134	0	N.D.		
74) C307	1,2,4-Trimethylben	10.50	105	985	N.D.		
75) C308	sec-Butylbenzene	10.50	105	985	N.D.		
76) C260	1,3-Dichlorobenzen	10.87	146	347	N.D.		
77) C309	4-Isopropyltoluene	10.80	119	74	N.D.		
78) C267	1,4-Dichlorobenzen	10.87	146	347	N.D.		
79) C249	1,2-Dichlorobenzen	0.00	146	0	N.D.		
80) C310	n-Butylbenzene	0.00	91	0	N.D.		
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.		
82) C313	1,2,4-Trichloroben	0.00	180	0	N.D.		
83) C316	Hexachlorobutadien	0.00	225	0	N.D.		
84) C314	Naphthalene	12.83	128	520	N.D.		
85) C934	1,2,3-Trichloroben	0.00	180	0	N.D.		

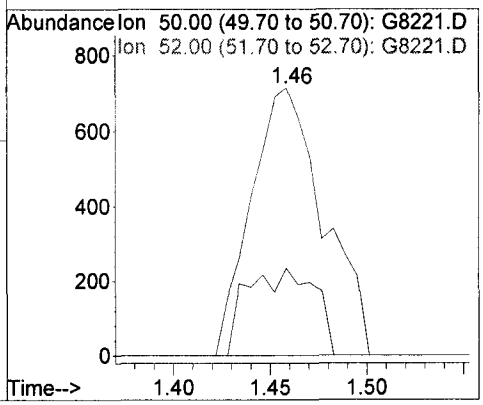
(#) = qualifier out of range (m) = manual integration (+) = signals summed

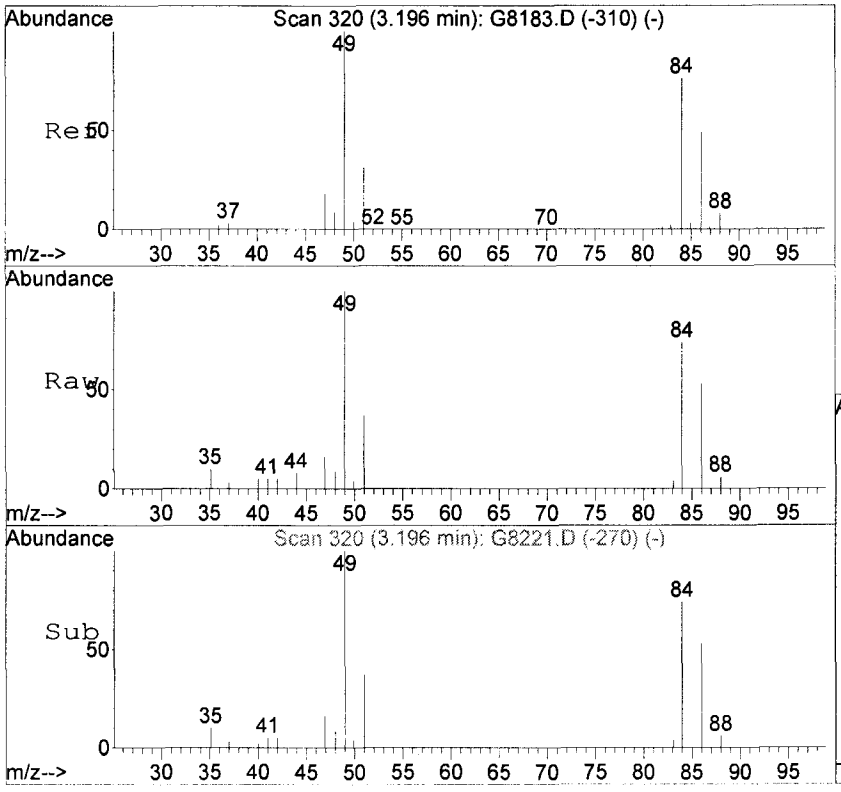


#3
C010 Chloromethane
Concen: 1.11 ng
RT: 1.46 min Scan# 35
Delta R.T. -0.00 min
Lab File: G8221.D
Acq: 10 Aug 2008 15:19

Tgt Ion: 50 Resp: 1865

Ion	Ratio	Lower	Upper
50	100		
52	32.8	3.0	63.0

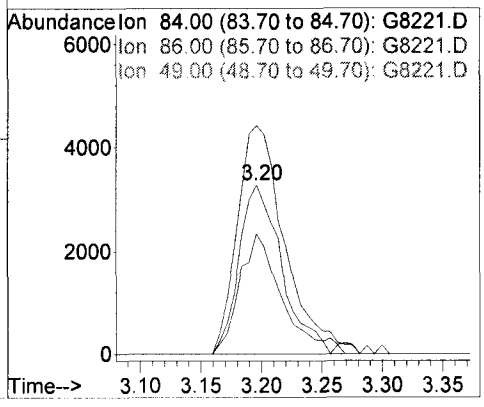


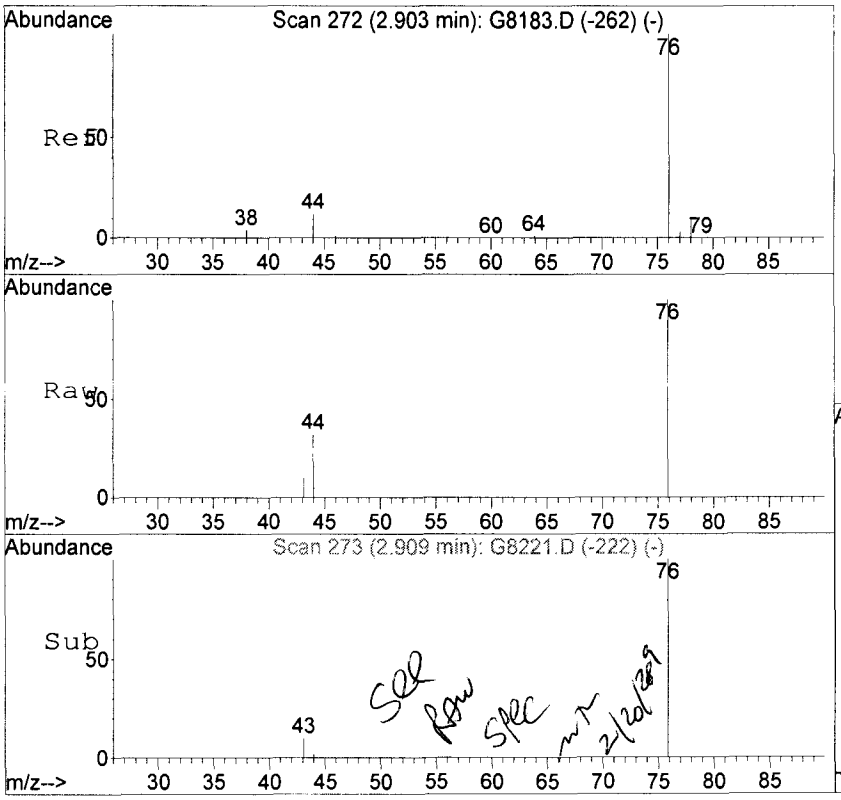


#9
C030 Methylene chloride
Concen: 1.31 ng
RT: 3.20 min Scan# 320
Delta R.T. 0.01 min
Lab File: G8221.D
Acq: 10 Aug 2008 15:19

Tgt Ion: 84 Resp: 8471

Ion	Ratio	Lower	Upper
84	100		
86	71.4	31.9	91.9
49	135.0	112.6	172.6

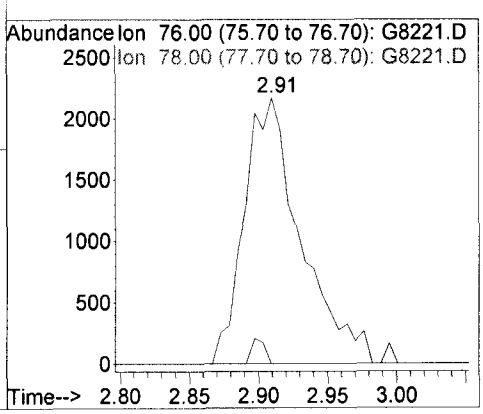


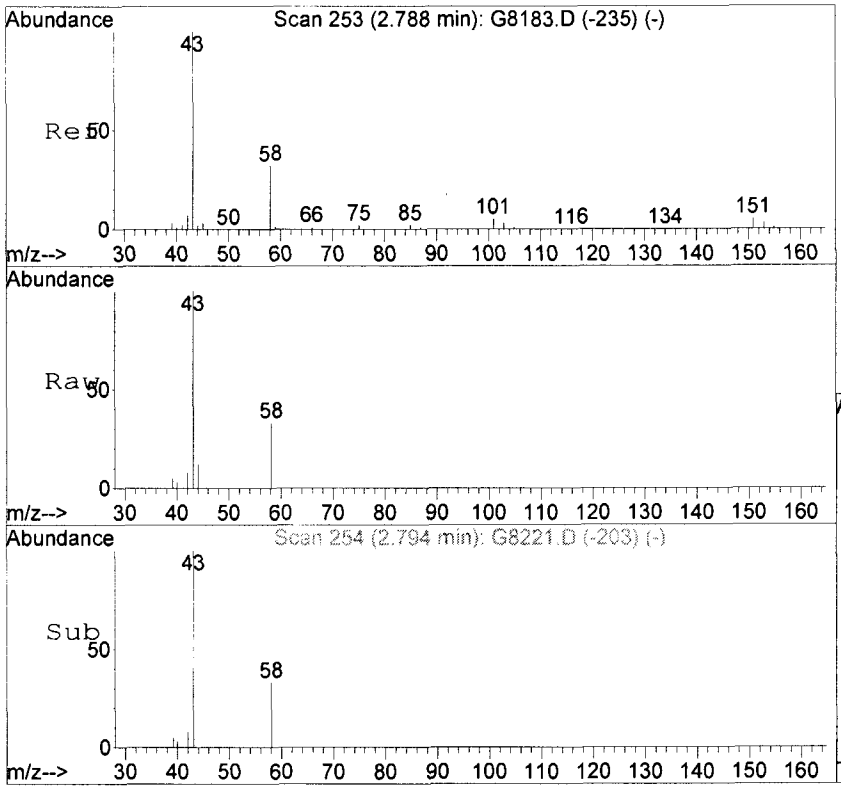


#10
C040 Carbon disulfide
Concen: 1.50 ng
RT: 2.91 min Scan# 273
Delta R.T. 0.01 min
Lab File: G8221.D
Acq: 10 Aug 2008 15:19

Tgt Ion: 76 Resp: 6166

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	39.3

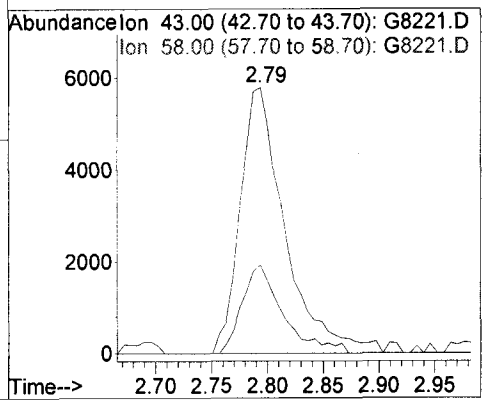


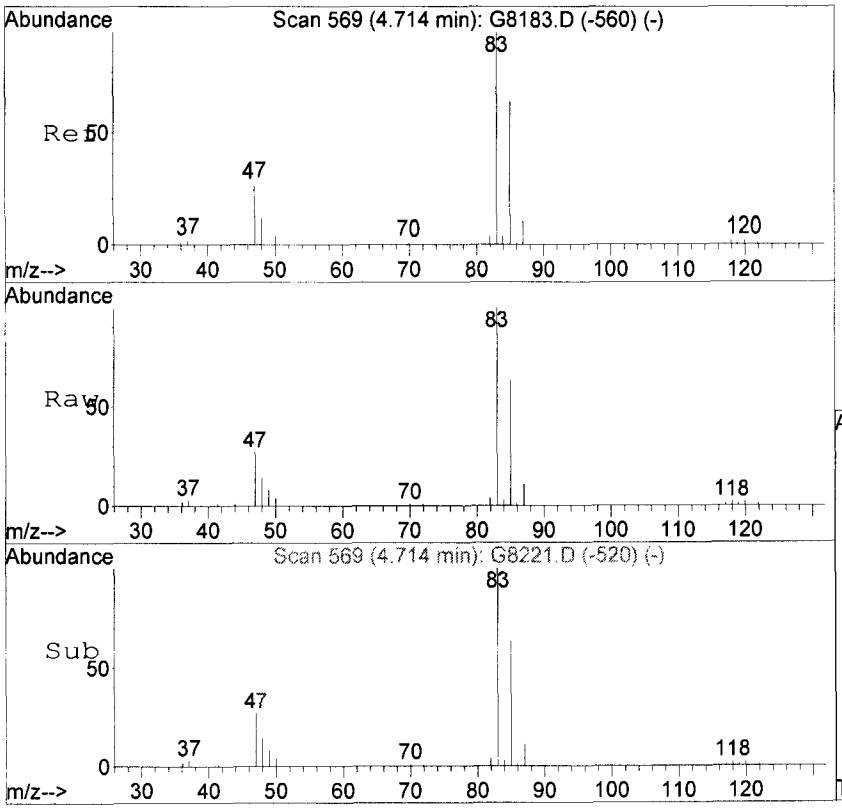


#13
C035 Acetone
Concen: 30.11 ng
RT: 2.79 min Scan# 254
Delta R.T. 0.01 min
Lab File: G8221.D
Acq: 10 Aug 2008 15:19

Tgt Ion: 43 Resp: 16182

Ion	Ratio	Lower	Upper
43	100		
58	33.3	1.4	61.4

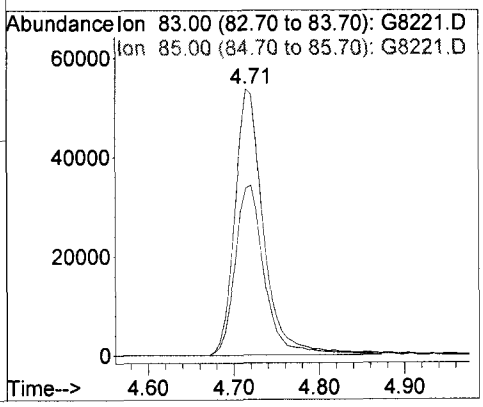


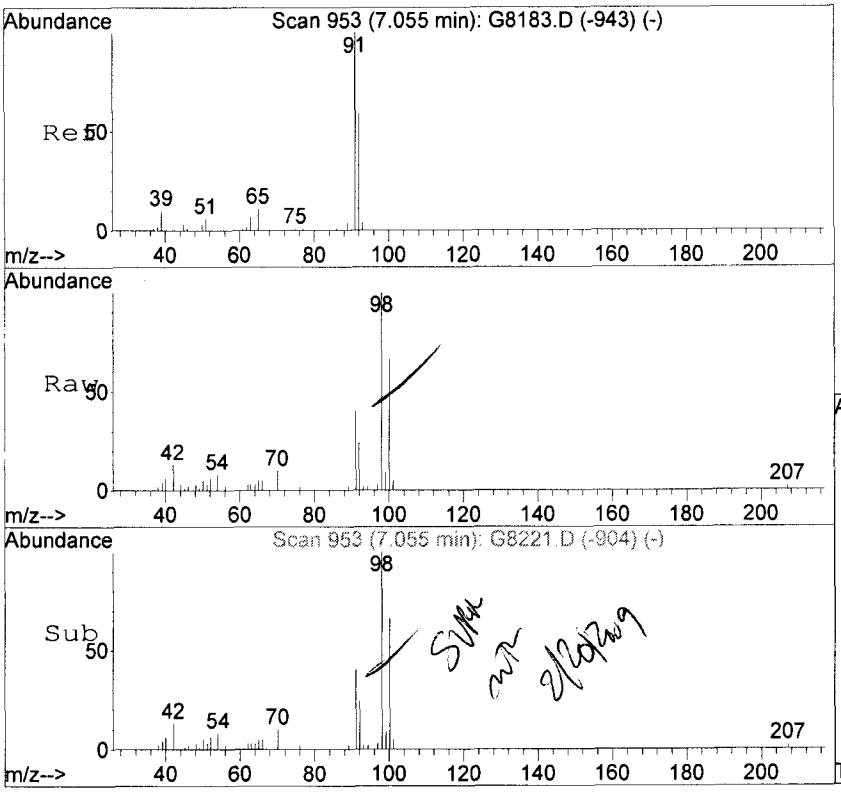


#27
C060 Chloroform
Concen: 55.82 ng
RT: 4.71 min Scan# 569
Delta R.T. -0.00 min
Lab File: G8221.D
Acq: 10 Aug 2008 15:19

Tgt Ion: 83 Resp: 125575

Ion	Ratio	Lower	Upper
83	100		
85	62.7	34.9	94.9

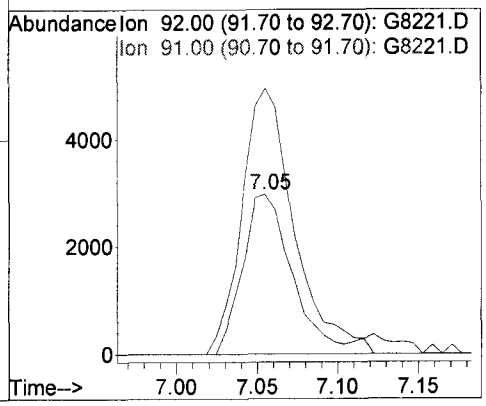




#45
C230 Toluene
Concen: 1.68 ng
RT: 7.05 min Scan# 953
Delta R.T. -0.00 min
Lab File: G8221.D
Acq: 10 Aug 2008 15:19

Tgt Ion: 92 Resp: 6475

Ion	Ratio	Lower	Upper
92	100		
91	166.5	131.1	191.1



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-15S

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919506

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8222.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	1.3	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	4.3	J
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-15S

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919506

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8222.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

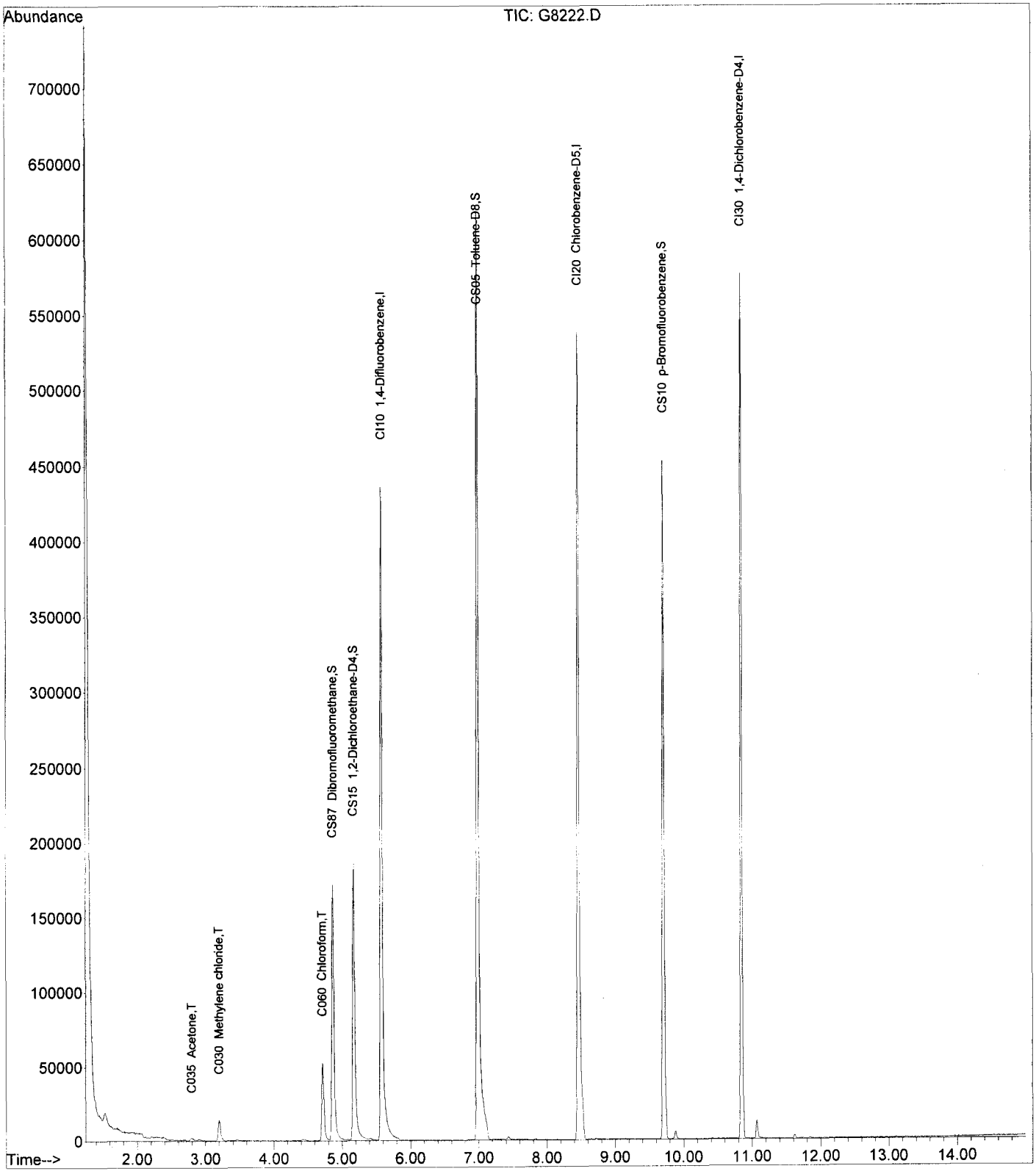
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Quantitation Report TA Buffalo (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\G8222.D Vial: 10
Acq On : 10 Aug 2008 15:42 Operator: ND
Sample : A8919506 B Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 11 18:33:26 2008 Results File: A8I0000...THPT.RES
Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Mon Aug 11 11:23:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\G8222.D Vial: 10
Acq On : 10 Aug 2008 15:42 Operator: ND
Sample : A8919506 B Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 11 18:33:26 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Mon Aug 11 11:23:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\081008\G8213.D (10 Aug 2008 11:38)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10 1,4-Difluorobenzene	5.58	114	473762	125.00	ng	0.00 89.61%
43) CI20 Chlorobenzene-D5	8.46	82	208732	125.00	ng	0.00 88.71%
63) CI30 1,4-Dichlorobenzene-	10.85	152	170020	125.00	ng	0.00 82.74%
System Monitoring Compounds						
26) CS87 Dibromofluoromethane	4.87	111	133483	137.93	NG	0.00
Spiked Amount 125.000	Range 70 - 130		Recovery = 110.34%			
31) CS15 1,2-Dichloroethane-D	5.17	65	154443	137.02	ng	0.00
Spiked Amount 125.000	Range 66 - 137		Recovery = 109.62%			
44) CS05 Toluene-D8	6.99	98	559020	134.31	ng	0.00
Spiked Amount 125.000	Range 71 - 126		Recovery = 107.45%			
62) CS10 p-Bromofluorobenzene	9.71	174	151862	134.62	ng	0.00
Spiked Amount 125.000	Range 73 - 120		Recovery = 107.70%			
Target Compounds						Qvalue
2) C290 Dichlorodifluorome	0.00	85	0	N.D.		
3) C010 Chloromethane	1.45	50	60	N.D.		
4) C020 Vinyl chloride	0.00	62	0	N.D.		
5) C015 Bromomethane	1.92	94	58	N.D.		
6) C025 Chloroethane	0.00	64	0	N.D.		
7) C275 Trichlorofluoromet	0.00	101	0	N.D.		
8) C045 1,1-Dichloroethene	0.00	96	0	N.D.		
9) C030 Methylene chloride	3.20	84	9113	1.74	ng	95
10) C040 Carbon disulfide	2.91	76	1950	N.D.		
11) C036 Acrolein	0.00	56	0	N.D.		
12) C038 Acrylonitrile	0.00	53	0	N.D.		
13) C035 Acetone	2.80	43	3534	6.61	ng	86
14) C300 Acetonitrile	0.00	41	0	N.D.		
15) C276 Iodomethane	2.85	142	503	N.D.		
16) C291 1,1,2-Trichloro-1,	0.00	101	0	N.D.		
17) C962 T-butyl Methyl Eth	3.46	73	927	N.D.		
18) C057 trans-1,2-Dichloro	0.00	96	0	N.D.		
19) C255 Methyl Acetate	0.00	43	0	N.D.		
20) C050 1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125 Vinyl Acetate	0.00	43	0	N.D.		
22) C051 2,2-Dichloropropan	0.00	77	0	N.D.		
23) C056 cis-1,2-Dichloroet	0.00	96	0	N.D.		
24) C272 Tetrahydrofuran	4.71	42	157	N.D.		
25) C222 Bromochloromethane	0.00	128	0	N.D.		
27) C060 Chloroform	4.72	83	48073	21.47	ng	97
28) C115 1,1,1-Trichloroeth	4.87	97	558	N.D.		
29) C120 Carbon tetrachlori	0.00	117	0	N.D.		
30) C116 1,1-Dichloropropen	0.00	75	0	N.D.		
32) C165 Benzene	5.21	78	1022	N.D.		
33) C065 1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110 2-Butanone	4.45	43	585	N.D.		
35) C256 Cyclohexane	0.00	56	0	N.D.		
36) C150 Trichloroethene	0.00	95	0	N.D.		
37) C140 1,2-Dichloropropan	0.00	63	0	N.D.		
38) C278 Dibromomethane	0.00	93	0	N.D.		

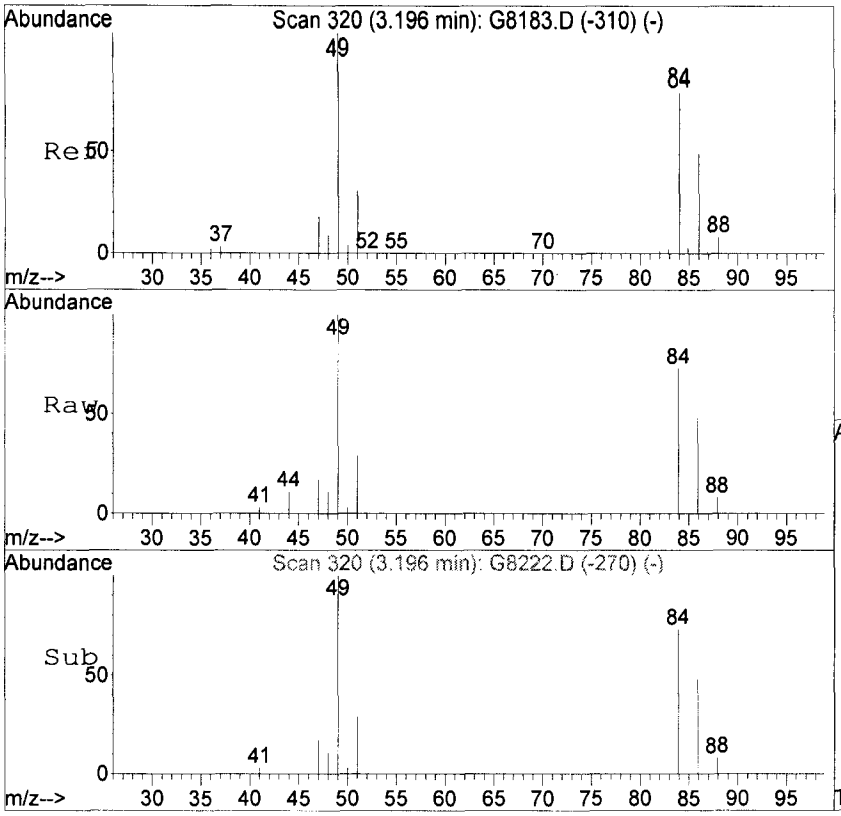
Quantitation Report TA Buffalo (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\G8222.D Vial: 10
Acq On : 10 Aug 2008 15:42 Operator: ND
Sample : A8919506 B Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 11 18:33:26 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Mon Aug 11 11:23:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\081008\G8213.D (10 Aug 2008 11:38)

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	0.00	83	0	N.D.	
40) C161	2-Chloroethylvinyl	0.00	63	0	N.D.	
41) C012	Methylcyclohexane	0.00	83	0	N.D.	
42) C145	cis-1,3-Dichloropr	0.00	75	0	N.D.	
45) C230	Toluene	7.06	92	734	N.D.	
46) C170	trans-1,3-Dichloro	0.00	75	0	N.D.	
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48) C160	1,1,2-Trichloroeth	0.00	83	0	N.D.	
49) C210	4-Methyl-2-pentano	0.00	43	0	N.D.	d
50) C220	Tetrachloroethene	0.00	166	0	N.D.	
51) C221	1,3-Dichloropropan	0.00	76	0	N.D.	
52) C155	Dibromochlorometha	0.00	129	0	N.D.	
53) C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54) C215	2-Hexanone	7.67	43	84	N.D.	
55) C235	Chlorobenzene	0.00	112	0	N.D.	
56) C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.	
57) C240	Ethylbenzene	8.71	91	532	N.D.	
58) C246	m,p-Xylene	8.71	106	87	N.D.	
59) C247	o-Xylene	0.00	106	0	N.D.	
60) C245	Styrene	0.00	104	0	N.D.	
61) C180	Bromoform	0.00	173	0	N.D.	
64) C966	Isopropylbenzene	0.00	105	0	N.D.	
65) C301	Bromobenzene	0.00	156	0	N.D.	
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.	
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.	
68) C283	t-1,4-Dichloro-2-B	0.00	51	0	N.D.	
69) C302	n-Propylbenzene	9.71	91	289	N.D.	
70) C303	2-Chlorotoluene	0.00	126	0	N.D.	
71) C289	4-Chlorotoluene	0.00	126	0	N.D.	
72) C304	1,3,5-Trimethylben	0.00	105	0	N.D.	
73) C306	tert-Butylbenzene	0.00	134	0	N.D.	
74) C307	1,2,4-Trimethylben	10.51	105	56	N.D.	
75) C308	sec-Butylbenzene	10.51	105	56	N.D.	
76) C260	1,3-Dichlorobenzen	10.87	146	312	N.D.	
77) C309	4-Isopropyltoluene	0.00	119	0	N.D.	
78) C267	1,4-Dichlorobenzen	10.87	146	312	N.D.	
79) C249	1,2-Dichlorobenzen	0.00	146	0	N.D.	
80) C310	n-Butylbenzene	0.00	91	0	N.D.	
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.	
82) C313	1,2,4-Trichloroben	0.00	180	0	N.D.	
83) C316	Hexachlorobutadien	0.00	225	0	N.D.	
84) C314	Naphthalene	12.83	128	64	N.D.	
85) C934	1,2,3-Trichloroben	0.00	180	0	N.D.	

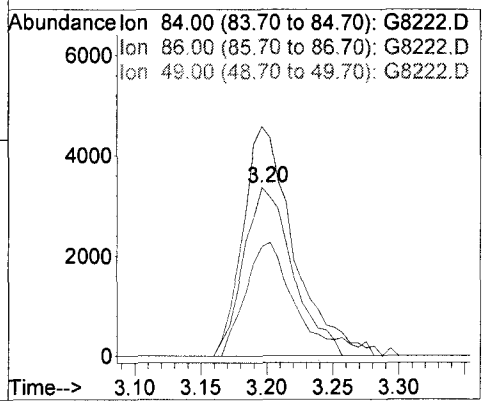
(#) = qualifier out of range (m) = manual integration (+) = signals summed

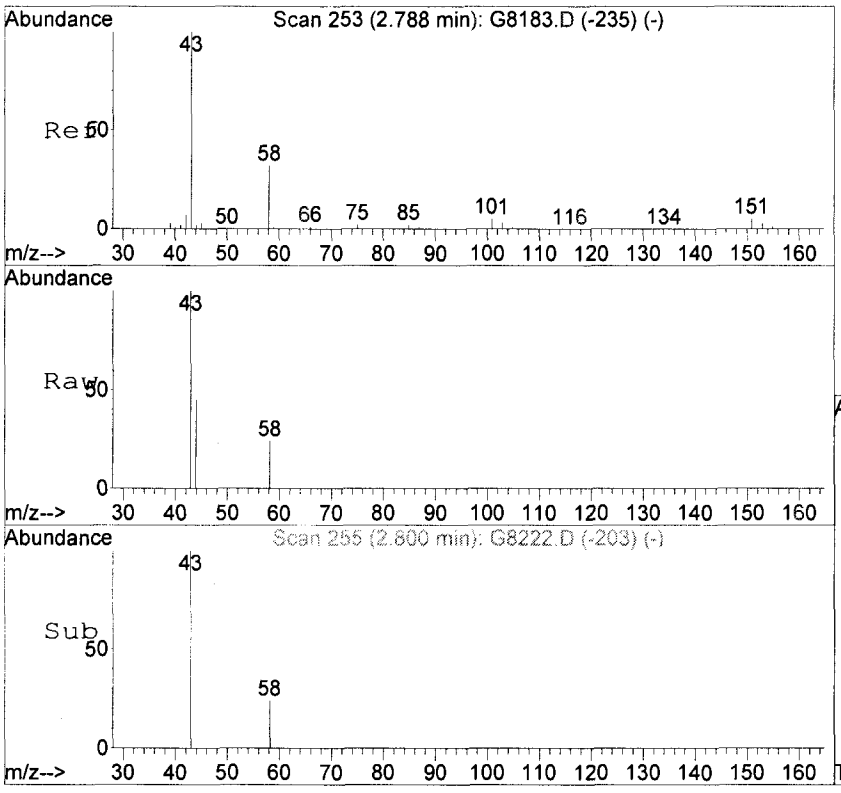


#9
C030 Methylene chloride
Concen: 1.74 ng
RT: 3.20 min Scan# 320
Delta R.T. 0.01 min
Lab File: G8222.D
Acq: 10 Aug 2008 15:42

Tgt Ion: 84 Resp: 9113

Ion	Ratio	Lower	Upper
84	100		
86	64.7	31.9	91.9
49	136.2	112.6	172.6

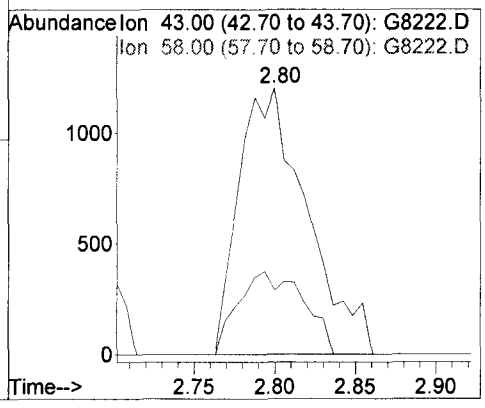


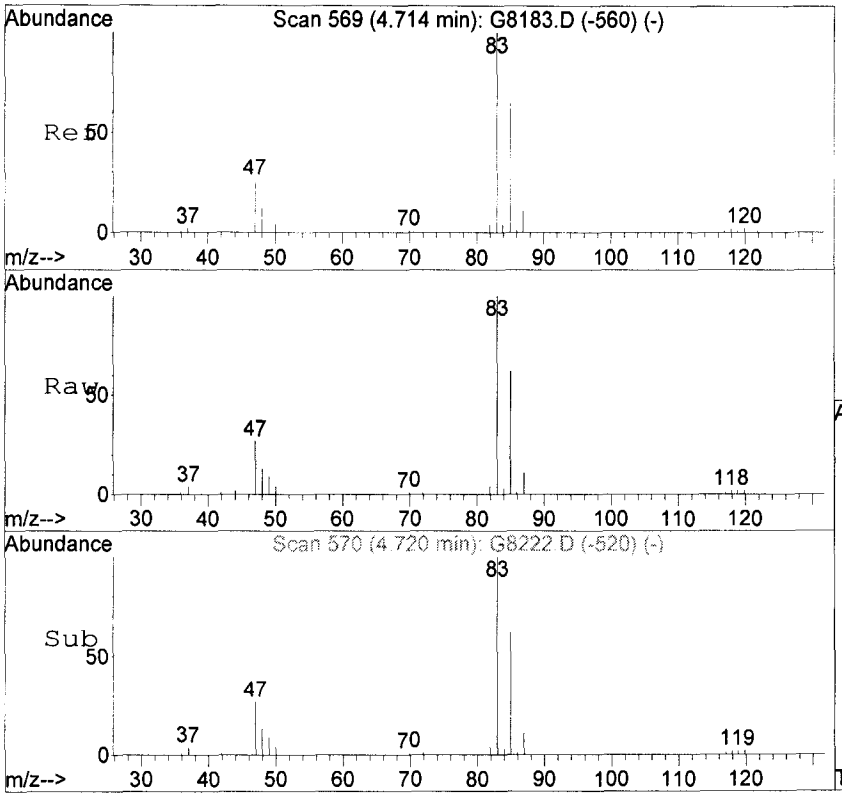


#13
C035 Acetone
Concen: 6.61 ng
RT: 2.80 min Scan# 255
Delta R.T. 0.02 min
Lab File: G8222.D
Acq: 10 Aug 2008 15:42

Tgt Ion: 43 Resp: 3534

Ion	Ratio	Lower	Upper
43	100		
58	23.9	1.4	61.4

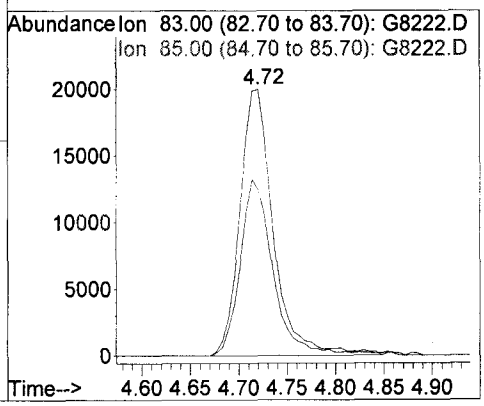




#27
C060 Chloroform
Concen: 21.47 ng
RT: 4.72 min Scan# 570
Delta R.T. 0.01 min
Lab File: G8222.D
Acq: 10 Aug 2008 15:42

Tgt Ion: 83 Resp: 48073

Ion	Ratio	Lower	Upper
83	100		
85	62.3	34.9	94.9



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-7

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919503

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8220.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	4.4	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-7

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919503

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8220.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

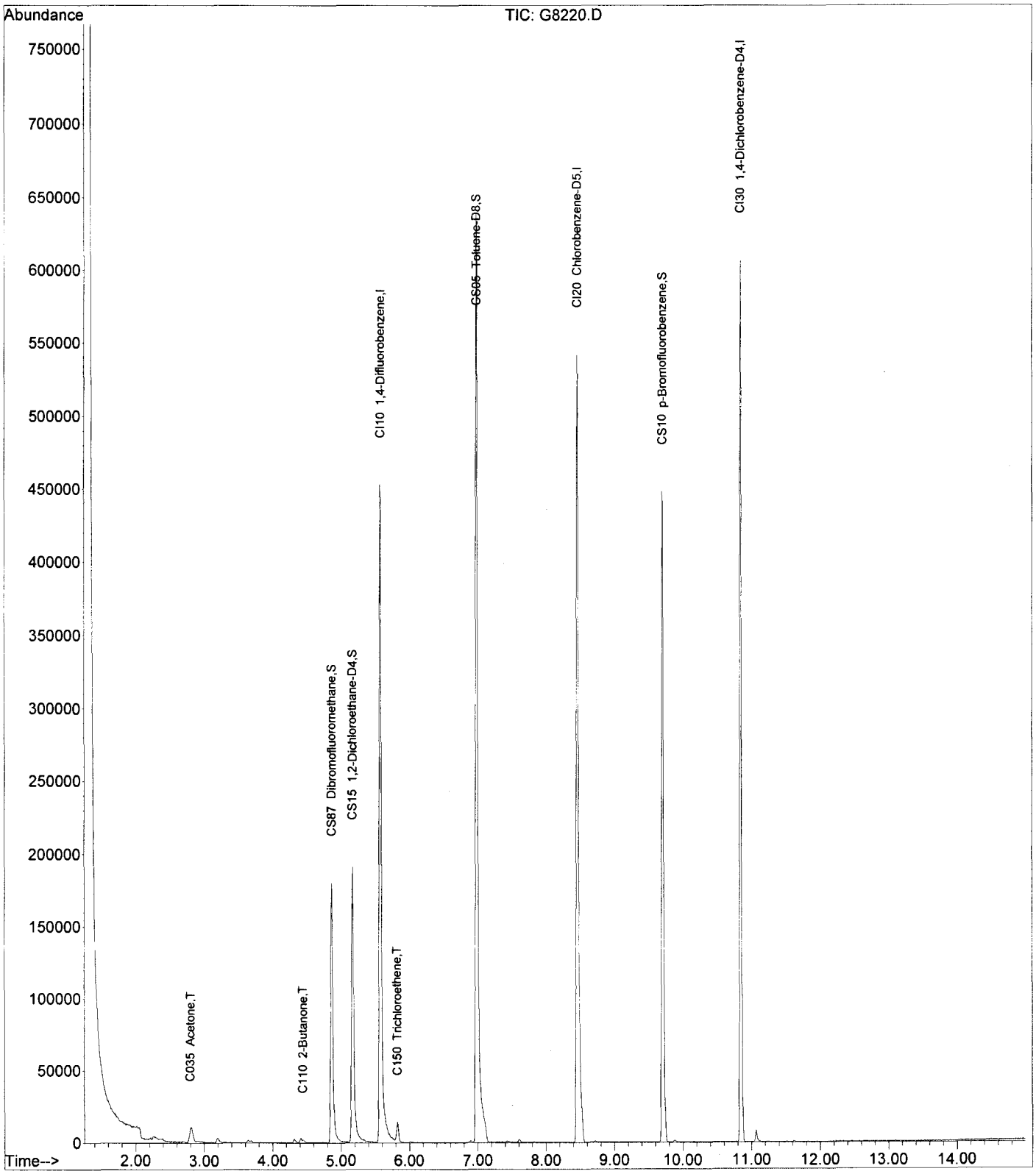
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	0.68	J
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Quantitation Report TA Buffalo (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\G8220.D Vial: 8
Acq On : 10 Aug 2008 14:56 Operator: ND
Sample : A8919503 B Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 11 11:26:34 2008 Results File: A8I0000...THPT.RES
Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Mon Aug 11 11:23:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\G8220.D Vial: 8
Acq On : 10 Aug 2008 14:56 Operator: ND
Sample : A8919503 B Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 11 11:26:34 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Mon Aug 11 11:23:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\081008\G8213.D (10 Aug 2008 11:38)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.58	114	492629	125.00	ng	0.00 93.17%
43) CI20	Chlorobenzene-D5	8.46	82	216350	125.00	ng	0.00 91.94%
63) CI30	1,4-Dichlorobenzene-	10.85	152	175951	125.00	ng	0.00 85.62%

System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.87	111	137425	136.57	NG	0.00
Spiked Amount	125.000	Range 70 - 130		Recovery = 109.26%			
31) CS15	1,2-Dichloroethane-D	5.17	65	156386	133.43	ng	0.00
Spiked Amount	125.000	Range 66 - 137		Recovery = 106.74%			
44) CS05	Toluene-D8	6.99	98	570224	132.18	ng	0.00
Spiked Amount	125.000	Range 71 - 126		Recovery = 105.74%			
62) CS10	p-Bromofluorobenzene	9.71	174	155046	132.61	ng	0.00
Spiked Amount	125.000	Range 73 - 120		Recovery = 106.09%			

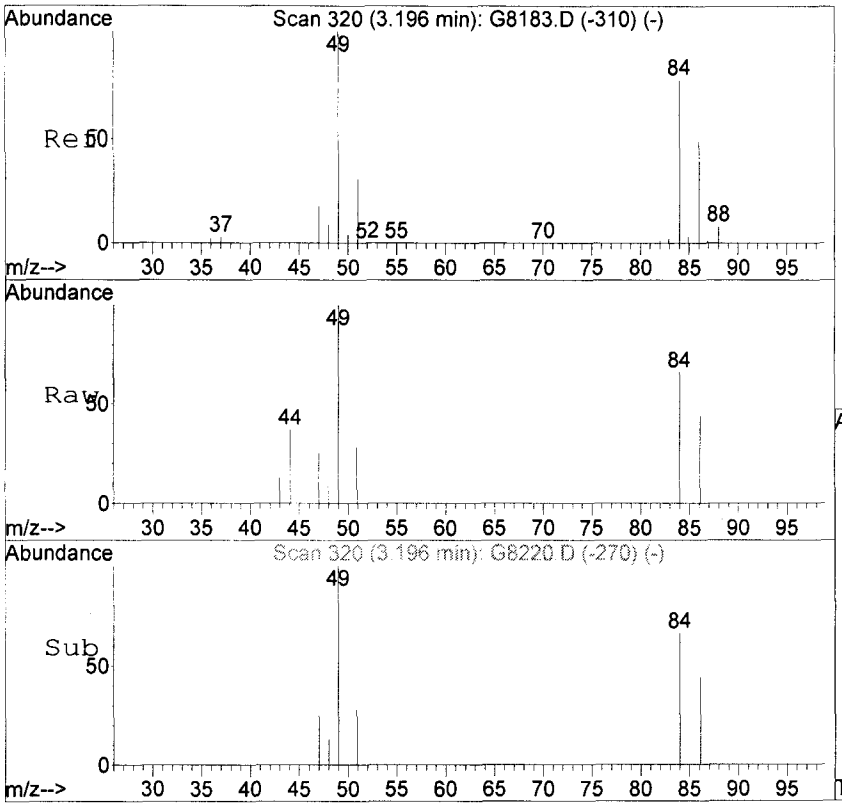
Target Compounds							Qvalue
2) C290	Dichlorodifluorome	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluoromet	0.00	101	0	N.D.		
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
9) C030	Methylene chloride	3.20	84	1952	Below Cal		93
10) C040	Carbon disulfide	2.90	76	3027	N.D.		
11) C036	Acrolein	0.00	56	0	N.D.		
12) C038	Acrylonitrile	0.00	53	0	N.D.		
13) C035	Acetone	2.79	43	12385	22.27	ng	92
14) C300	Acetonitrile	3.07	41	68	N.D.		
15) C276	Iodomethane	0.00	142	0	N.D.		
16) C291	1,1,2-Trichloro-1,	0.00	101	0	N.D.		
17) C962	T-butyl Methyl Eth	0.00	73	0	N.D.		
18) C057	trans-1,2-Dichloro	0.00	96	0	N.D.		
19) C255	Methyl Acetate	3.10	43	187	N.D.		
20) C050	1,1-Dichloroethane	3.86	63	297	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropan	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroet	4.42	96	1257	N.D.		
24) C272	Tetrahydrofuran	4.73	42	130	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
27) C060	Chloroform	0.00	83	0	N.D.		
28) C115	1,1,1-Trichloroeth	0.00	97	0	N.D.		
29) C120	Carbon tetrachlori	0.00	117	0	N.D.		
30) C116	1,1-Dichloropropen	0.00	75	0	N.D.		
32) C165	Benzene	5.20	78	1179	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	4.45	43	2921	3.41	ng	98
35) C256	Cyclohexane	4.89	56	68	N.D.		
36) C150	Trichloroethene	5.82	95	4881	3.43	ng	96
37) C140	1,2-Dichloropropan	0.00	63	0	N.D.		
38) C278	Dibromomethane	0.00	93	0	N.D.		

Data File : H:\GCMS_VOA\TEMP\G8220.D Vial: 8
Acq On : 10 Aug 2008 14:56 Operator: ND
Sample : A8919503 B Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 11 11:26:34 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Mon Aug 11 11:23:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\081008\G8213.D (10 Aug 2008 11:38)

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	0.00	83	0	N.D.	
40) C161	2-Chloroethylvinyl	0.00	63	0	N.D.	
41) C012	Methylcyclohexane	0.00	83	0	N.D.	
42) C145	cis-1,3-Dichloropr	0.00	75	0	N.D.	
45) C230	Toluene	7.06	92	1266	N.D.	
46) C170	trans-1,3-Dichloro	0.00	75	0	N.D.	
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48) C160	1,1,2-Trichloroeth	0.00	83	0	N.D.	
49) C210	4-Methyl-2-pentano	6.90	43	1075	N.D.	
50) C220	Tetrachloroethene	7.60	166	856	N.D.	
51) C221	1,3-Dichloropropan	0.00	76	0	N.D.	
52) C155	Dibromochlorometha	0.00	129	0	N.D.	
53) C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54) C215	2-Hexanone	0.00	43	0	N.D.	
55) C235	Chlorobenzene	0.00	112	0	N.D.	
56) C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.	
57) C240	Ethylbenzene	8.72	91	770	N.D.	
58) C246	m,p-Xylene	8.71	106	338	N.D.	
59) C247	o-Xylene	0.00	106	0	N.D.	
60) C245	Styrene	0.00	104	0	N.D.	
61) C180	Bromoform	0.00	173	0	N.D.	
64) C966	Isopropylbenzene	0.00	105	0	N.D.	
65) C301	Bromobenzene	0.00	156	0	N.D.	
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.	
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.	
68) C283	t-1,4-Dichloro-2-B	0.00	51	0	N.D.	
69) C302	n-Propylbenzene	9.71	91	254	N.D.	
70) C303	2-Chlorotoluene	0.00	126	0	N.D.	
71) C289	4-Chlorotoluene	0.00	126	0	N.D.	
72) C304	1,3,5-Trimethylben	0.00	105	0	N.D.	
73) C306	tert-Butylbenzene	0.00	134	0	N.D.	
74) C307	1,2,4-Trimethylben	10.50	105	258	N.D.	
75) C308	sec-Butylbenzene	10.50	105	258	N.D.	
76) C260	1,3-Dichlorobenzen	10.87	146	267	N.D.	
77) C309	4-Isopropyltoluene	0.00	119	0	N.D.	
78) C267	1,4-Dichlorobenzen	10.87	146	267	N.D.	
79) C249	1,2-Dichlorobenzen	0.00	146	0	N.D.	
80) C310	n-Butylbenzene	0.00	91	0	N.D.	
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.	
82) C313	1,2,4-Trichloroben	0.00	180	0	N.D.	
83) C316	Hexachlorobutadien	0.00	225	0	N.D.	
84) C314	Naphthalene	12.83	128	174	N.D.	
85) C934	1,2,3-Trichloroben	0.00	180	0	N.D.	

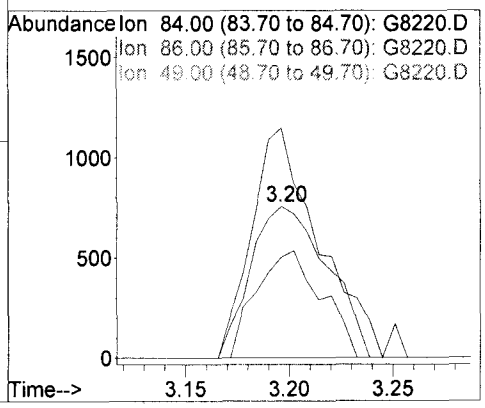
(#) = qualifier out of range (m) = manual integration (+) = signals summed

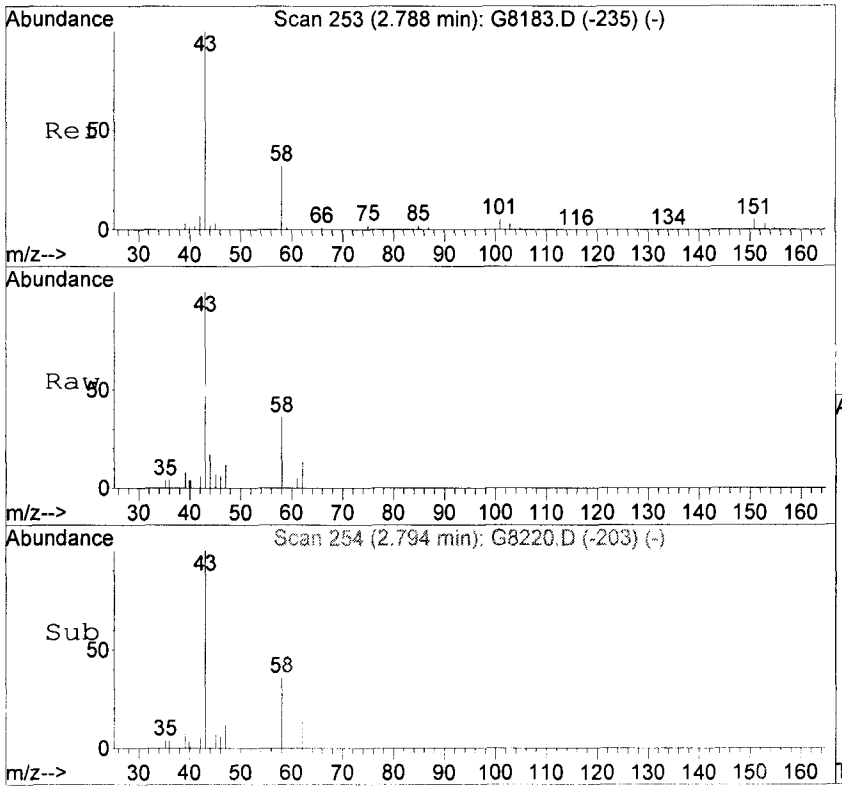


#9
C030 Methylene chloride
Concen: Below Cal
RT: 3.20 min Scan# 320
Delta R.T. 0.01 min
Lab File: G8220.D
Acq: 10 Aug 2008 14:56

Tgt Ion: 84 Resp: 1952

Ion	Ratio	Lower	Upper
84	100		
86	66.5	31.9	91.9
49	152.0	112.6	172.6

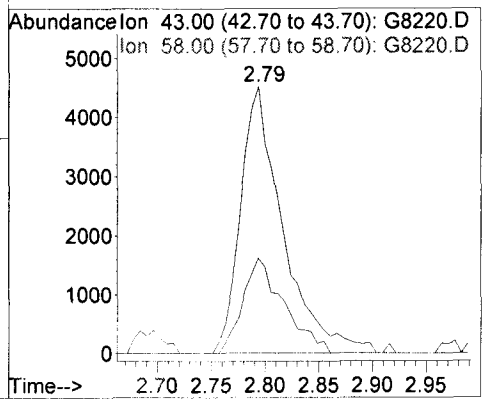


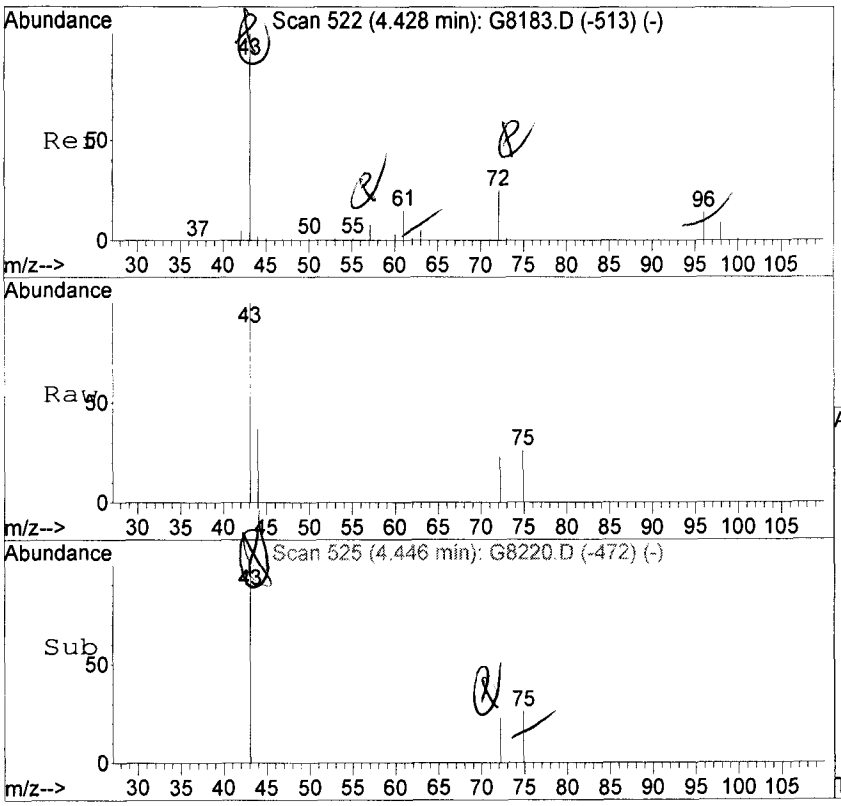


#13
C035 Acetone
Concen: 22.27 ng
RT: 2.79 min Scan# 254
Delta R.T. 0.01 min
Lab File: G8220.D
Acq: 10 Aug 2008 14:56

Tgt Ion: 43 Resp: 12385

Ion	Ratio	Lower	Upper
43	100		
58	35.7	1.4	61.4

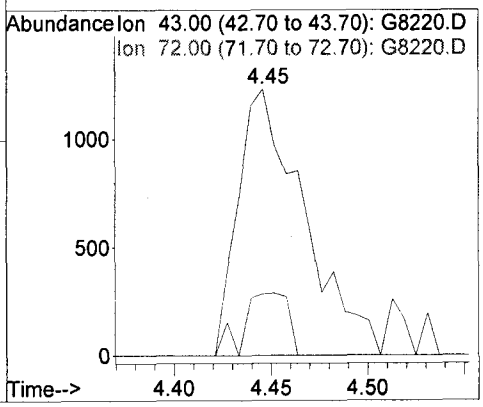


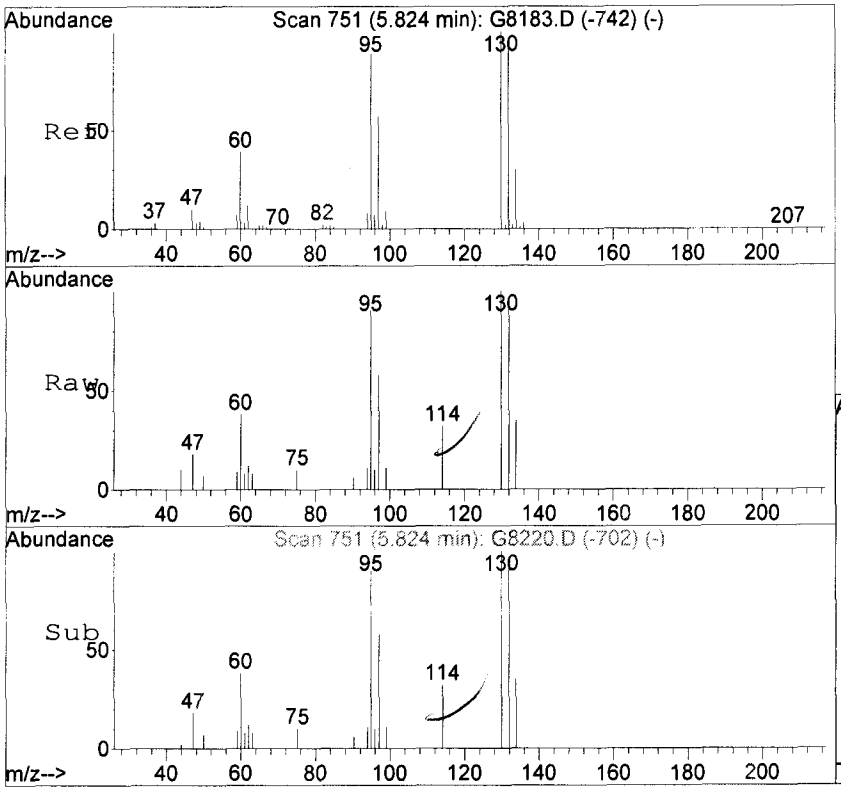


#34
C110 2-Butanone
Concen: 3.41 ng
RT: 4.45 min Scan# 525
Delta R.T. 0.02 min
Lab File: G8220.D
Acq: 10 Aug 2008 14:56

Tgt Ion: 43 Resp: 2921

Ion	Ratio	Lower	Upper
43	100		
72	23.2	0.0	52.2

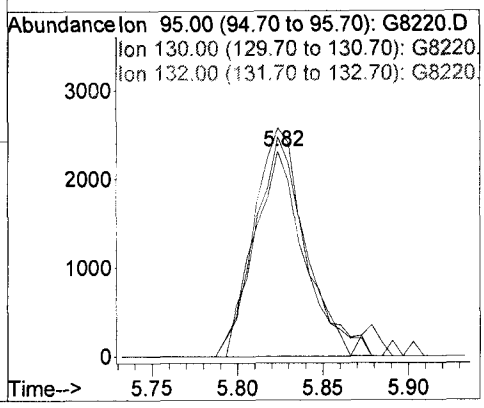




#36
C150 Trichloroethene
Concen: 3.43 ng
RT: 5.82 min Scan# 751
Delta R.T. 0.00 min
Lab File: G8220.D
Acq: 10 Aug 2008 14:56

Tgt Ion: 95 Resp: 4881

Ion	Ratio	Lower	Upper
95	100		
130	111.5	77.6	137.6
132	106.9	72.8	132.8



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-2

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919508

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8224.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	17	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	2.6	J
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-2

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919508

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8224.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

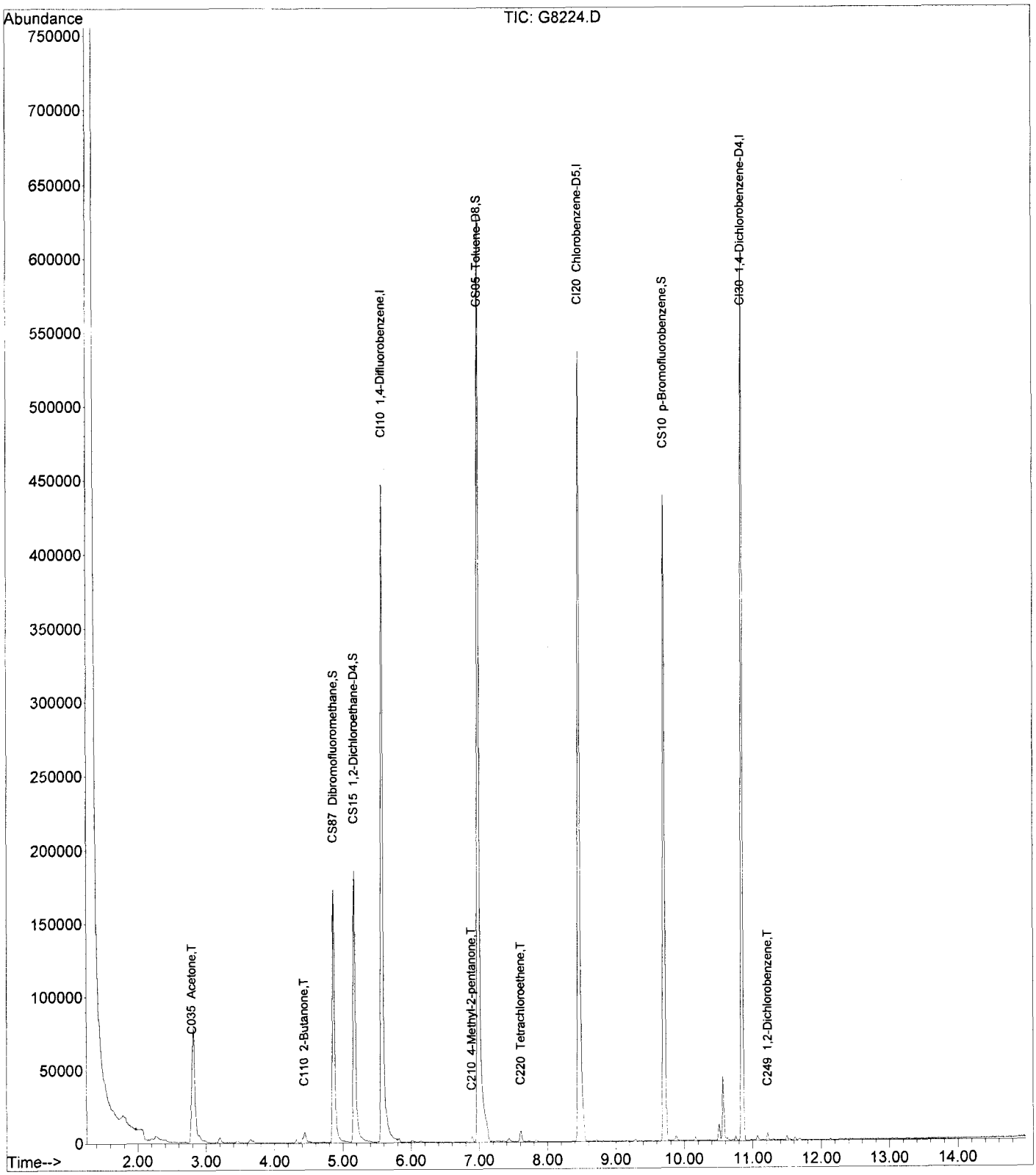
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	0.43	J
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Data File : H:\GCMS_VOA\TEMP\G8224.D
Acq On : 10 Aug 2008 16:29
Sample : A8919508 C
Misc :
MS Integration Params: RTEINT.P

Vial: 12
Operator: ND
Inst : HP5973G
Multiplr: 1.00

Quant Time: Aug 11 18:40:48 2008 Results File: A8I0000...THPT.RES
Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Mon Aug 11 11:23:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\G8224.D Vial: 12
Acq On : 10 Aug 2008 16:29 Operator: ND
Sample : A8919508 C Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 11 18:40:48 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Mon Aug 11 11:23:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\081008\G8213.D (10 Aug 2008 11:38)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.58	114	478132	125.00	ng	0.00 90.43%
43) CI20	Chlorobenzene-D5	8.46	82	210248	125.00	ng	0.00 89.35%
63) CI30	1,4-Dichlorobenzene-	10.85	152	173980	125.00	ng	0.00 84.66%

System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.87	111	133938	137.14	NG	0.00
Spiked Amount	125.000	Range 70 - 130		Recovery =	109.71%		
31) CS15	1,2-Dichloroethane-D	5.17	65	153433	134.88	ng	0.00
Spiked Amount	125.000	Range 66 - 137		Recovery =	107.90%		
44) CS05	Toluene-D8	6.99	98	560647	133.73	ng	0.00
Spiked Amount	125.000	Range 71 - 126		Recovery =	106.98%		
62) CS10	p-Bromofluorobenzene	9.71	174	148845	131.00	ng	0.00
Spiked Amount	125.000	Range 73 - 120		Recovery =	104.80%		

Target Compounds							Qvalue
2) C290	Dichlorodifluorome	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	1.59	62	312	N.D.		
5) C015	Bromomethane	1.86	94	115	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluoromet	0.00	101	0	N.D.		
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
9) C030	Methylene chloride	3.20	84	1938	Below Cal		83
10) C040	Carbon disulfide	0.00	76	0	N.D. d		
11) C036	Acrolein	2.63	56	131	N.D.		
12) C038	Acrylonitrile	0.00	53	0	N.D.		
13) C035	Acetone	2.79	43	47222	87.49	ng	98
14) C300	Acetonitrile	2.99	41	55	N.D.		
15) C276	Iodomethane	0.00	142	0	N.D.		
16) C291	1,1,2-Trichloro-1,	0.00	101	0	N.D.		
17) C962	T-butyl Methyl Eth	3.45	73	1526	N.D.		
18) C057	trans-1,2-Dichloro	0.00	96	0	N.D.		
19) C255	Methyl Acetate	3.12	43	186	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropan	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroet	4.40	96	1366	N.D.		
24) C272	Tetrahydrofuran	4.71	42	472	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
27) C060	Chloroform	0.00	83	0	N.D.		
28) C115	1,1,1-Trichloroeth	0.00	97	0	N.D.		
29) C120	Carbon tetrachlori	0.00	117	0	N.D.		
30) C116	1,1-Dichloropropen	0.00	75	0	N.D.		
32) C165	Benzene	5.20	78	1041	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	4.44	43	10704	12.87	ng	99
35) C256	Cyclohexane	4.89	56	55	N.D.		
36) C150	Trichloroethene	5.82	95	360	N.D.		
37) C140	1,2-Dichloropropan	0.00	63	0	N.D.		
38) C278	Dibromomethane	0.00	93	0	N.D.		

Quantitation Report TA Buffalo (QT Reviewed)

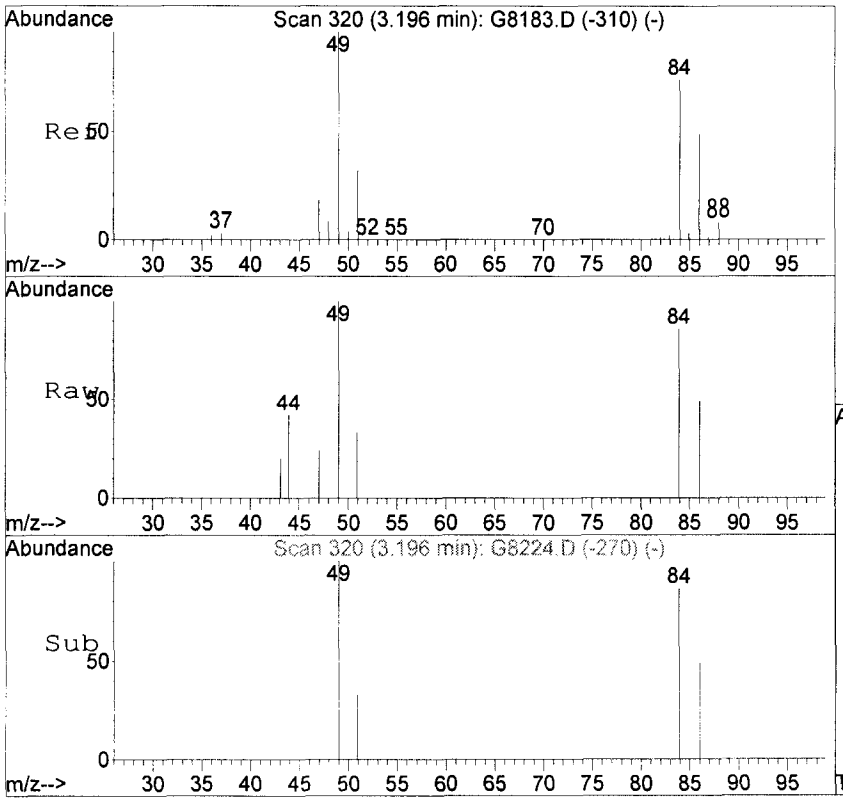
Data File : H:\GCMS_VOA\TEMP\G8224.D Vial: 12
Acq On : 10 Aug 2008 16:29 Operator: ND
Sample : A8919508 C Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 11 18:40:48 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Mon Aug 11 11:23:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\081008\G8213.D (10 Aug 2008 11:38)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	0.00	83	0	N.D.		
40) C161	2-Chloroethylvinyl	0.00	63	0	N.D.		
41) C012	Methylcyclohexane	0.00	83	0	N.D.		
42) C145	cis-1,3-Dichloropr	0.00	75	0	N.D.		
45) C230	Toluene	7.05	92	651	N.D.		
46) C170	trans-1,3-Dichloro	0.00	75	0	N.D.		
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.		
48) C160	1,1,2-Trichloroeth	0.00	83	0	N.D.		
49) C210	4-Methyl-2-pentanone	6.89	43	3531	1.99	ng	96
50) C220	Tetrachloroethene	7.61	166	3151	2.13	ng	95
51) C221	1,3-Dichloropropan	0.00	76	0	N.D.		
52) C155	Dibromochlorometha	0.00	129	0	N.D.		
53) C163	1,2-Dibromoethane	0.00	107	0	N.D.		
54) C215	2-Hexanone	7.74	43	485	N.D.		
55) C235	Chlorobenzene	8.49	112	132	N.D.		
56) C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.		
57) C240	Ethylbenzene	8.59	91	67	N.D.		
58) C246	m,p-Xylene	8.72	106	178	N.D.		
59) C247	o-Xylene	0.00	106	0	N.D.		
60) C245	Styrene	0.00	104	0	N.D.		
61) C180	Bromoform	0.00	173	0	N.D.		
64) C966	Isopropylbenzene	0.00	105	0	N.D.		
65) C301	Bromobenzene	0.00	156	0	N.D.		
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.		
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.		
68) C283	t-1,4-Dichloro-2-B	0.00	51	0	N.D.		
69) C302	n-Propylbenzene	0.00	91	0	N.D.		
70) C303	2-Chlorotoluene	0.00	126	0	N.D.		
71) C289	4-Chlorotoluene	0.00	126	0	N.D.		
72) C304	1,3,5-Trimethylben	10.05	105	59	N.D.		
73) C306	tert-Butylbenzene	0.00	134	0	N.D.		
74) C307	1,2,4-Trimethylben	10.50	105	79	N.D.		
75) C308	sec-Butylbenzene	10.50	105	79	N.D.		
76) C260	1,3-Dichlorobenzen	10.87	146	388	N.D.		
77) C309	4-Isopropyltoluene	0.00	119	0	N.D.		
78) C267	1,4-Dichlorobenzen	10.87	146	388	N.D.		
79) C249	1,2-Dichlorobenzene	11.22	146	2561	1.00	ng	88
80) C310	n-Butylbenzene	0.00	91	0	N.D.		
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.		
82) C313	1,2,4-Trichloroben	0.00	180	0	N.D.		
83) C316	Hexachlorobutadien	0.00	225	0	N.D.		
84) C314	Naphthalene	12.83	128	235	N.D.		
85) C934	1,2,3-Trichloroben	0.00	180	0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

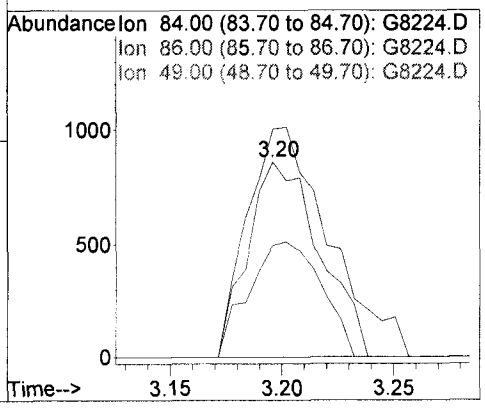
2/19/09

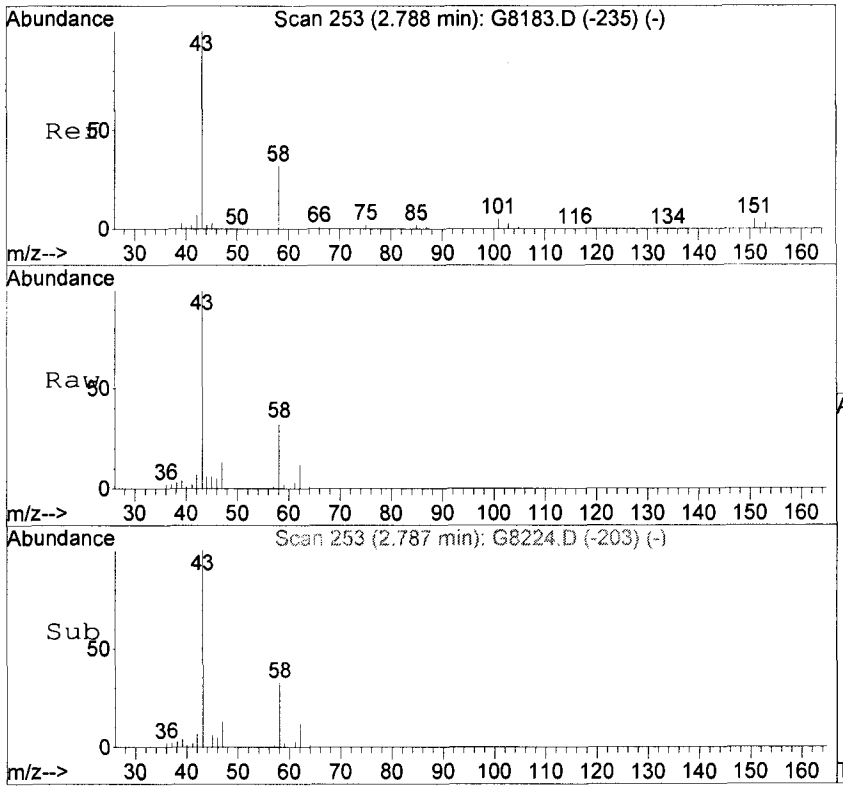


#9
C030 Methylene chloride
Concen: ~~Below Cal~~
RT: 3.20 ~~min Scan#~~ 320
Delta R.T. 0.01 min
Lab File: G8224.D
Acq: 10 Aug 2008 16:29

Tgt Ion: 84 Resp: 1938

Ion	Ratio	Lower	Upper
84	100		
86	57.4	31.9	91.9
49	116.5	112.6	172.6

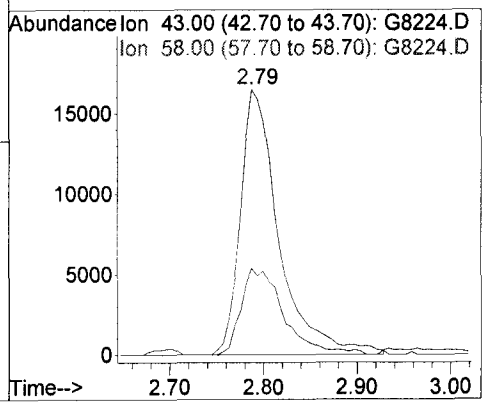


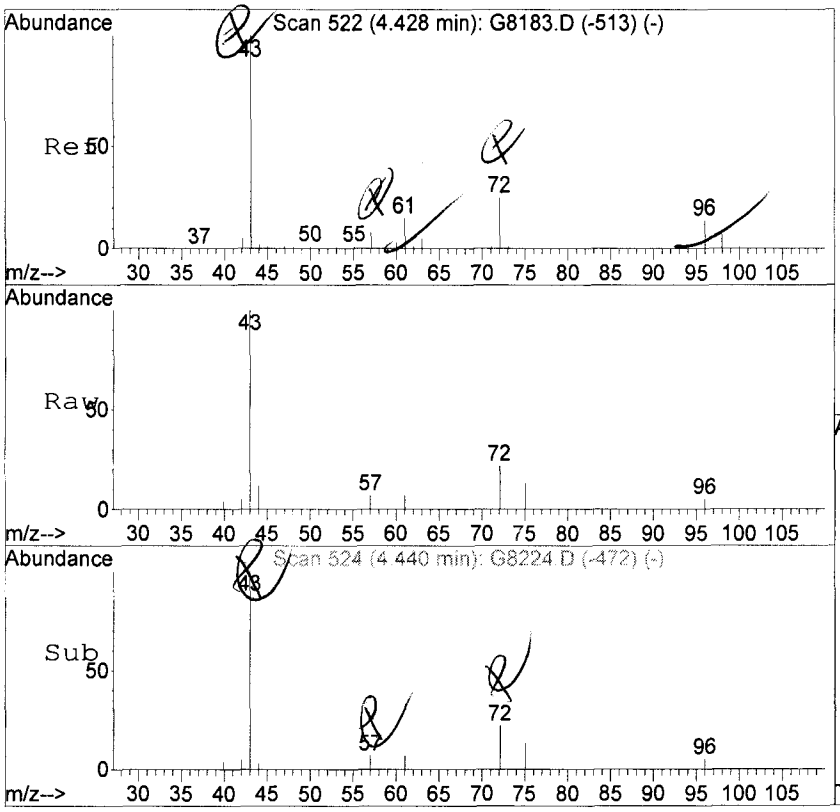


#13
C035 Acetone
Concen: 87.49 ng
RT: 2.79 min Scan# 253
Delta R.T. 0.01 min
Lab File: G8224.D
Acq: 10 Aug 2008 16:29

Tgt Ion: 43 Resp: 47222

Ion	Ratio	Lower	Upper
43	100		
58	32.7	1.4	61.4

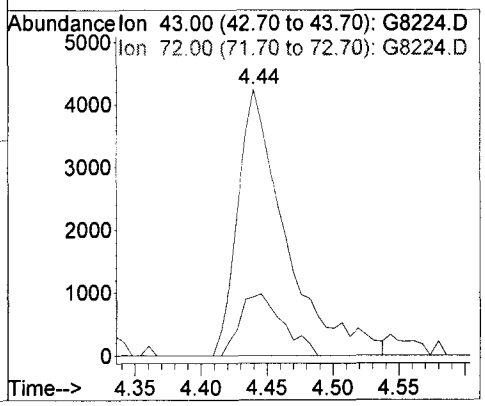


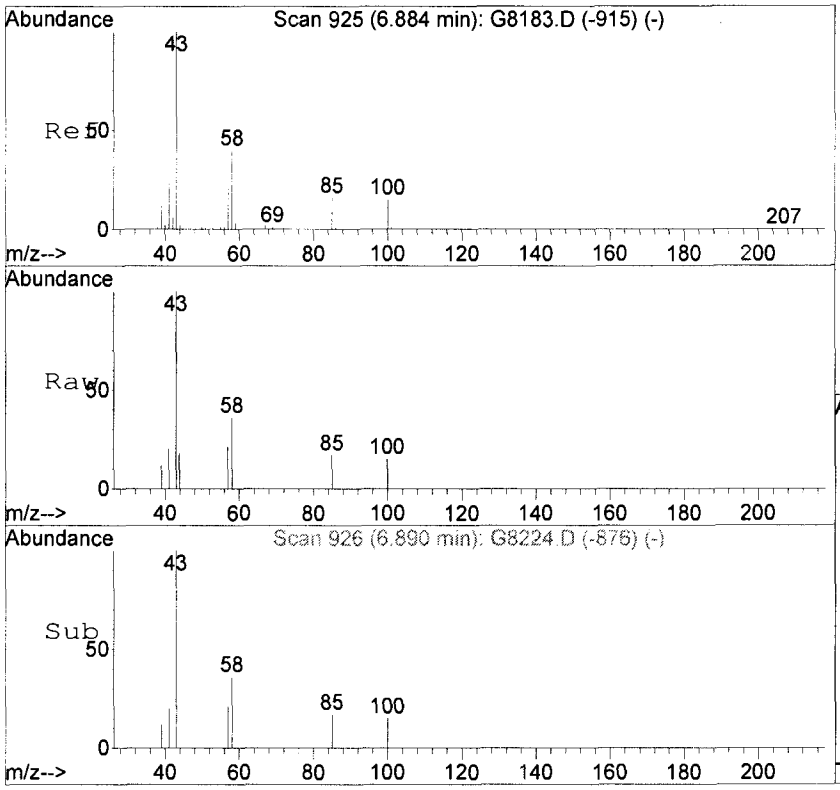


#34
C110 2-Butanone
Concen: 12.87 ng
RT: 4.44 min Scan# 524
Delta R.T. 0.02 min
Lab File: G8224.D
Acq: 10 Aug 2008 16:29

Tgt Ion: 43 Resp: 10704

Ion	Ratio	Lower	Upper
43	100		
72	21.8	0.0	52.2

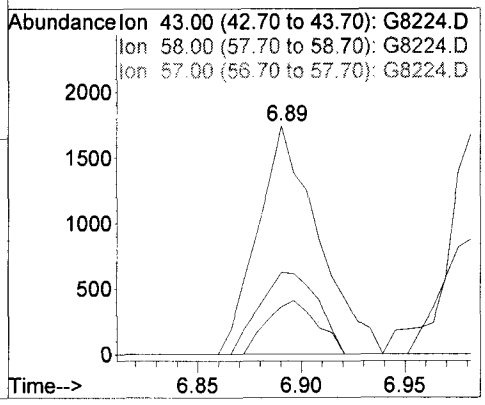


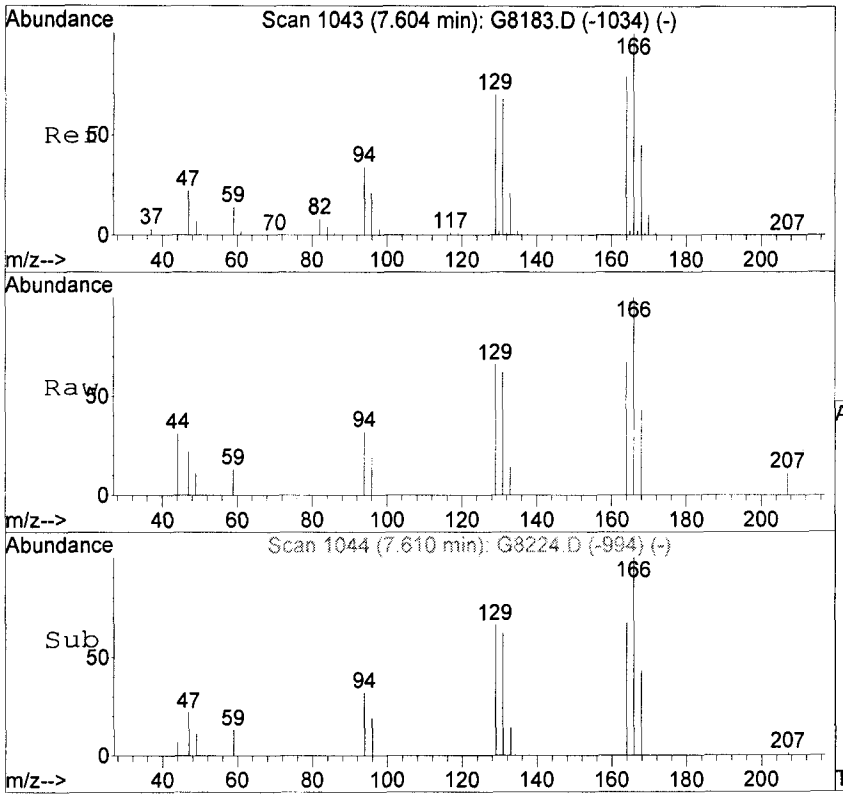


#49
C210 4-Methyl-2-pentanone
Concen: 1.99 ng
RT: 6.89 min Scan# 926
Delta R.T. 0.01 min
Lab File: G8224.D
Acq: 10 Aug 2008 16:29

Tgt Ion: 43 Resp: 3531

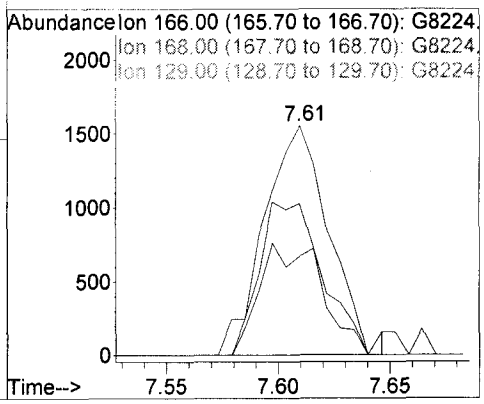
Ion	Ratio	Lower	Upper
43	100		
58	35.6	6.2	66.2
57	20.6	0.0	54.6

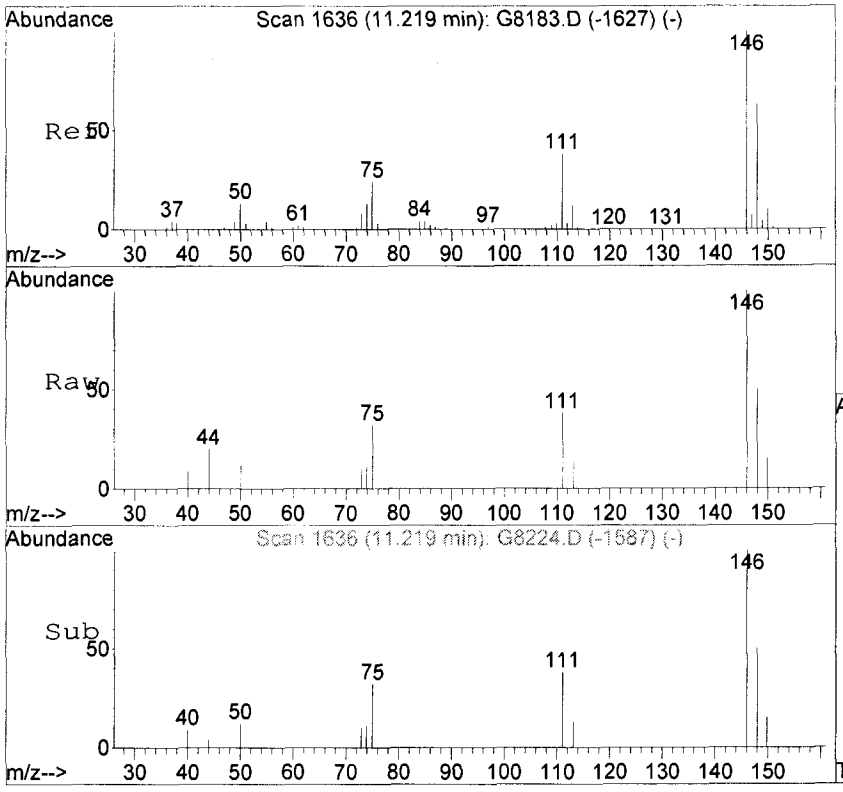




#50
C220 Tetrachloroethene
Concen: 2.13 ng
RT: 7.61 min Scan# 1044
Delta R.T. 0.01 min
Lab File: G8224.D
Acq: 10 Aug 2008 16:29

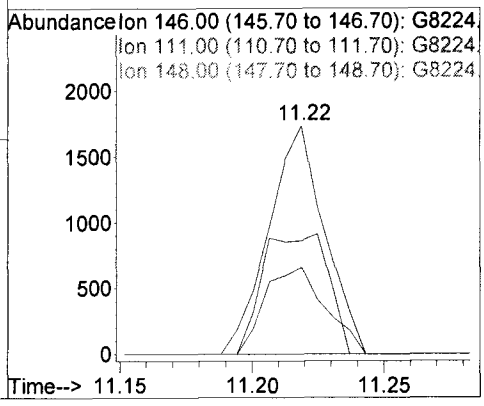
Tgt Ion:166	Resp:	3151
Ion	Ratio	Lower	Upper
166	100		
168	43.4	18.6	78.6
129	66.2	39.3	99.3





#79
C249 1,2-Dichlorobenzene
Concen: 1.00 ng
RT: 11.22 min Scan# 1636
Delta R.T. -0.00 min
Lab File: G8224.D
Acq: 10 Aug 2008 16:29

Tgt Ion:146	Resp:	2561
Ion	Ratio	Lower	Upper
146	100		
111	38.1	8.4	68.4
148	49.6	34.5	94.5



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919509

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6612.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/09/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919509

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6612.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/09/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

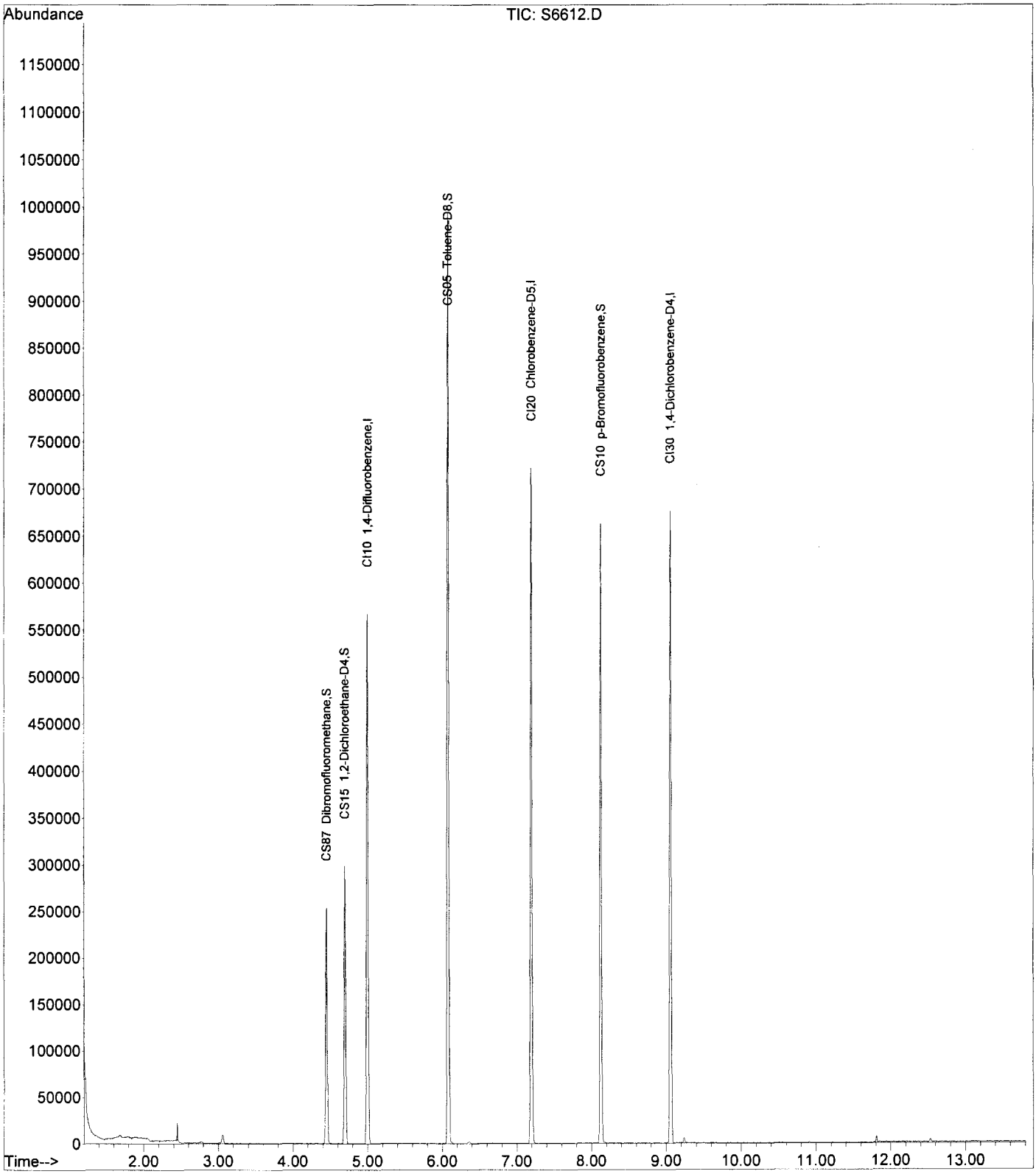
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Quantitation Report TA Buffalo (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\S6612.D Vial: 13
Acq On : 9 Aug 2008 18:04 Operator: DHC
Sample : A8919509 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 10 12:27:22 2008 Results File: A8I0000...IXPT.RES
Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sun Aug 10 10:32:24 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Data File : H:\GCMS_VOA\TEMP\S6612.D Vial: 13
Acq On : 9 Aug 2008 18:04 Operator: DHC
Sample : A8919509 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 10 12:27:22 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sun Aug 10 10:32:24 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\080908\S6601.D (9 Aug 2008 13:01)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.00	114	343677	125.00	ng	0.00 89.05%
43) CI20	Chlorobenzene-D5	7.19	82	173979	125.00	ng	0.00 89.45%
63) CI30	1,4-Dichlorobenzene-	9.06	152	136162	125.00	ng	0.00 84.50%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.45	111	125578	128.42	NG	0.00
Spiked Amount	125.000	Range 70 - 130		Recovery = 102.74%			
31) CS15	1,2-Dichloroethane-D	4.69	65	151205	124.94	ng	0.00
Spiked Amount	125.000	Range 66 - 137		Recovery = 99.95%			
44) CS05	Toluene-D8	6.07	98	511129	126.77	ng	0.00
Spiked Amount	125.000	Range 71 - 126		Recovery = 101.42%			
62) CS10	p-Bromofluorobenzene	8.12	174	127324	120.31	ng	0.00
Spiked Amount	125.000	Range 73 - 120		Recovery = 96.25%			

Target Compounds							Qvalue
2) C290	Dichlorodifluorome	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluoromet	0.00	101	0	N.D.		
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
9) C030	Methylene chloride	3.06	84	3659	Below Cal		91
10) C040	Carbon disulfide	2.78	76	1717	N.D.		
11) C036	Acrolein	0.00	56	0	N.D.		
12) C038	Acrylonitrile	0.00	53	0	N.D.		
13) C035	Acetone	2.75	43	594	Below Cal	#	43
14) C300	Acetonitrile	3.06	41	271	N.D.		
15) C276	Iodomethane	0.00	142	0	N.D. d		
16) C291	1,1,2-Trichloro-1,	0.00	101	0	N.D.		
17) C962	T-butyl Methyl Eth	0.00	73	0	N.D.		
18) C057	trans-1,2-Dichloro	0.00	96	0	N.D.		
19) C255	Methyl Acetate	3.01	43	449	Below Cal	#	56
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropan	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroet	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
27) C060	Chloroform	0.00	83	0	N.D.		
28) C115	1,1,1-Trichloroeth	0.00	97	0	N.D.		
29) C120	Carbon tetrachlori	0.00	117	0	N.D.		
30) C116	1,1-Dichloropropen	0.00	75	0	N.D.		
32) C165	Benzene	0.00	78	0	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	0.00	43	0	N.D.		
35) C256	Cyclohexane	0.00	56	0	N.D.		
36) C150	Trichloroethene	0.00	95	0	N.D.		
37) C140	1,2-Dichloropropan	0.00	63	0	N.D.		
38) C278	Dibromomethane	0.00	93	0	N.D.		

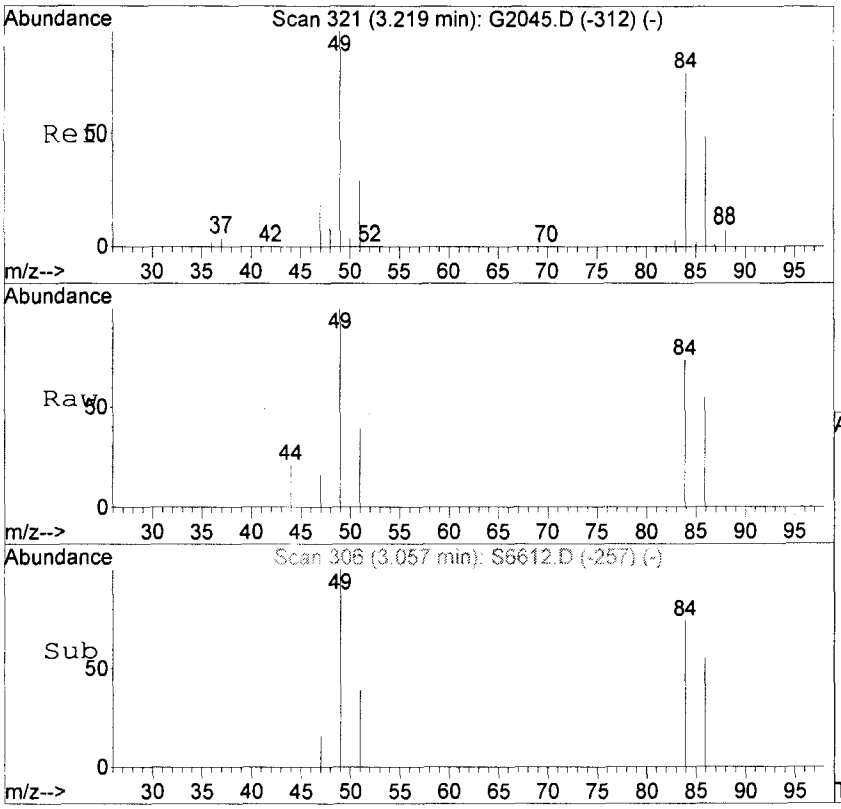
Quantitation Report TA Buffalo (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\S6612.D Vial: 13
Acq On : 9 Aug 2008 18:04 Operator: DHC
Sample : A8919509 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 10 12:27:22 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sun Aug 10 10:32:24 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\080908\S6601.D (9 Aug 2008 13:01)

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	0.00	83	0	N.D.	
40) C161	2-Chloroethylvinyl	0.00	63	0	N.D.	
41) C012	Methylcyclohexane	0.00	83	0	N.D.	
42) C145	cis-1,3-Dichloropr	0.00	75	0	N.D.	
45) C230	Toluene	0.00	92	0	N.D.	
46) C170	trans-1,3-Dichloro	0.00	75	0	N.D.	
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48) C160	1,1,2-Trichloroeth	0.00	83	0	N.D.	
49) C210	4-Methyl-2-pentano	6.07	43	2600	N.D.	
50) C220	Tetrachloroethene	0.00	166	0	N.D.	
51) C221	1,3-Dichloropropan	0.00	76	0	N.D.	
52) C155	Dibromochlorometha	0.00	129	0	N.D.	
53) C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54) C215	2-Hexanone	0.00	43	0	N.D.	
55) C235	Chlorobenzene	0.00	112	0	N.D.	
56) C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.	
57) C240	Ethylbenzene	7.20	91	532	N.D.	
58) C246	m,p-Xylene	0.00	106	0	N.D.	
59) C247	o-Xylene	0.00	106	0	N.D.	
60) C245	Styrene	0.00	104	0	N.D.	
61) C180	Bromoform	0.00	173	0	N.D.	
64) C966	Isopropylbenzene	0.00	105	0	N.D.	
65) C301	Bromobenzene	0.00	156	0	N.D.	
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.	
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.	
68) C283	t-1,4-Dichloro-2-B	0.00	51	0	N.D.	
69) C302	n-Propylbenzene	8.12	91	286	N.D.	
70) C303	2-Chlorotoluene	0.00	126	0	N.D.	
71) C289	4-Chlorotoluene	0.00	126	0	N.D.	
72) C304	1,3,5-Trimethylben	0.00	105	0	N.D.	
73) C306	tert-Butylbenzene	0.00	134	0	N.D.	
74) C307	1,2,4-Trimethylben	0.00	105	0	N.D.	
75) C308	sec-Butylbenzene	0.00	105	0	N.D.	
76) C260	1,3-Dichlorobenzene	9.08	146	312	Below Cal #	25
77) C309	4-Isopropyltoluene	8.99	119	133	N.D.	
78) C267	1,4-Dichlorobenzene	9.08	146	312	Below Cal #	25
79) C249	1,2-Dichlorobenzen	0.00	146	0	N.D.	
80) C310	n-Butylbenzene	0.00	91	0	N.D.	
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.	
82) C313	1,2,4-Trichloroben	0.00	180	0	N.D.	
83) C316	Hexachlorobutadien	0.00	225	0	N.D.	
84) C314	Naphthalene	10.91	128	605	N.D.	
85) C934	1,2,3-Trichloroben	0.00	180	0	N.D.	

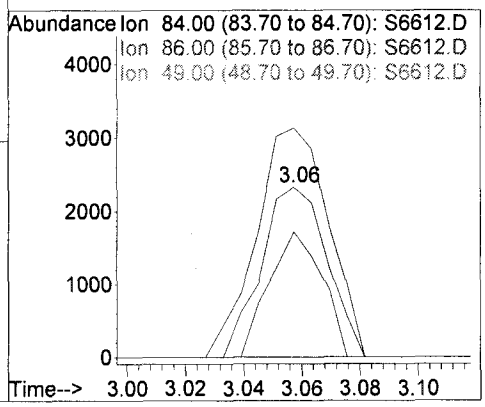
(#) = qualifier out of range (m) = manual integration (+) = signals summed

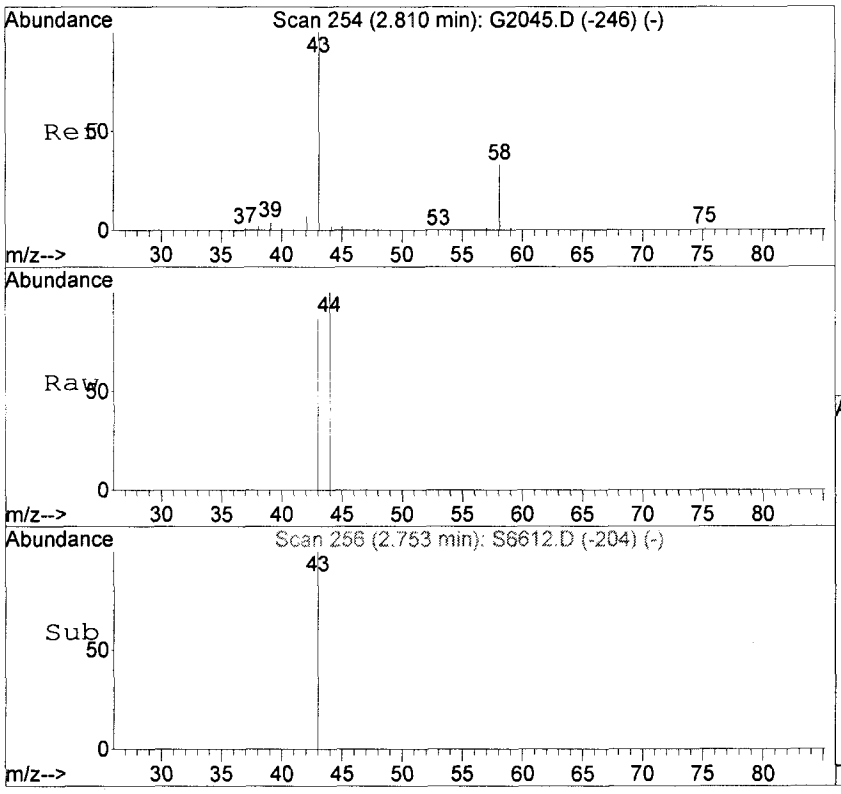


#9
C030 Methylene chloride
Concen: ~~Below Cal~~
RT: 3.06 min Scan# 306
Delta R.T. 0.00 min
Lab File: S6612.D
Acq: 9 Aug 2008 18:04

Tgt Ion: 84 Resp: 3659

Ion	Ratio	Lower	Upper
84	100		
86	73.8	31.9	91.9
49	134.8	112.6	172.6

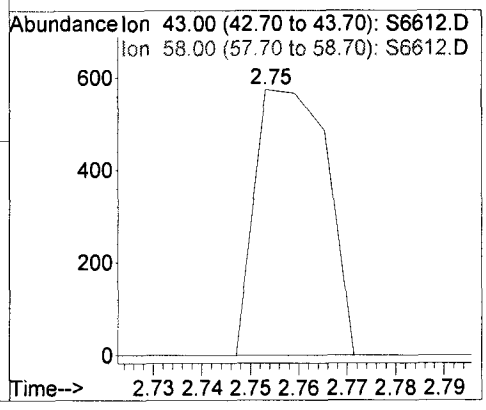


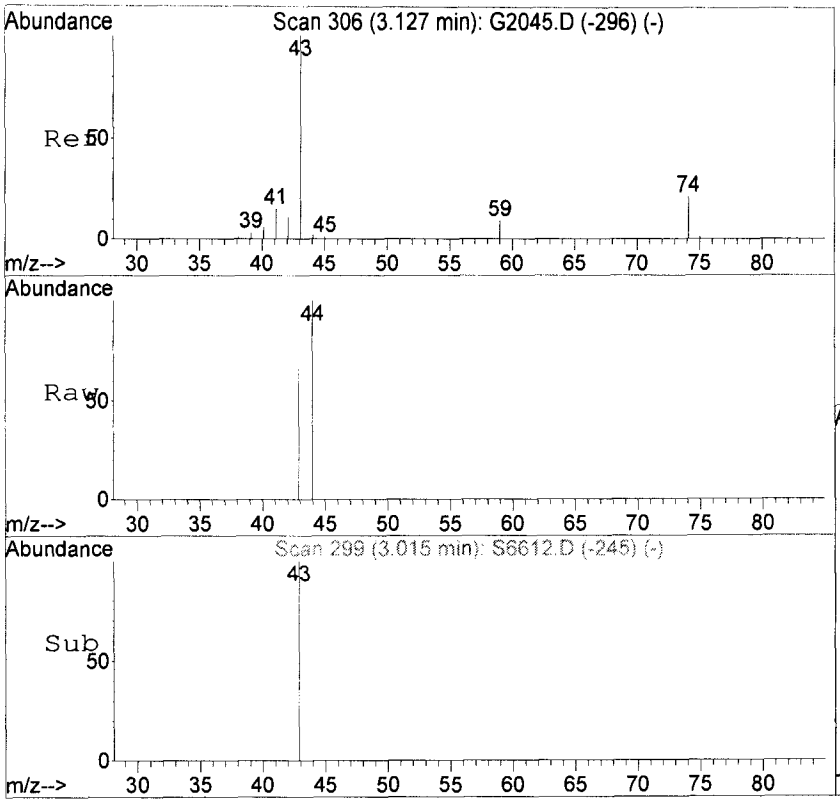


#13
C035 Acetone
Concen: ~~Below Cal~~
RT: 2.75 min Scan# 256
Delta R.T. 0.02 min
Lab File: S6612.D
Acq: 9 Aug 2008 18:04

Tgt Ion: 43 Resp: 594

Ion	Ratio	Lower	Upper
43	100		
58	0.0	1.4	61.4#

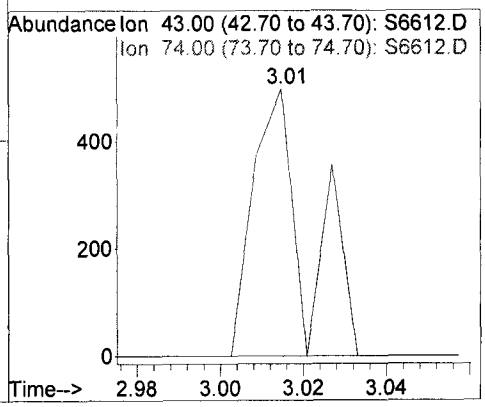


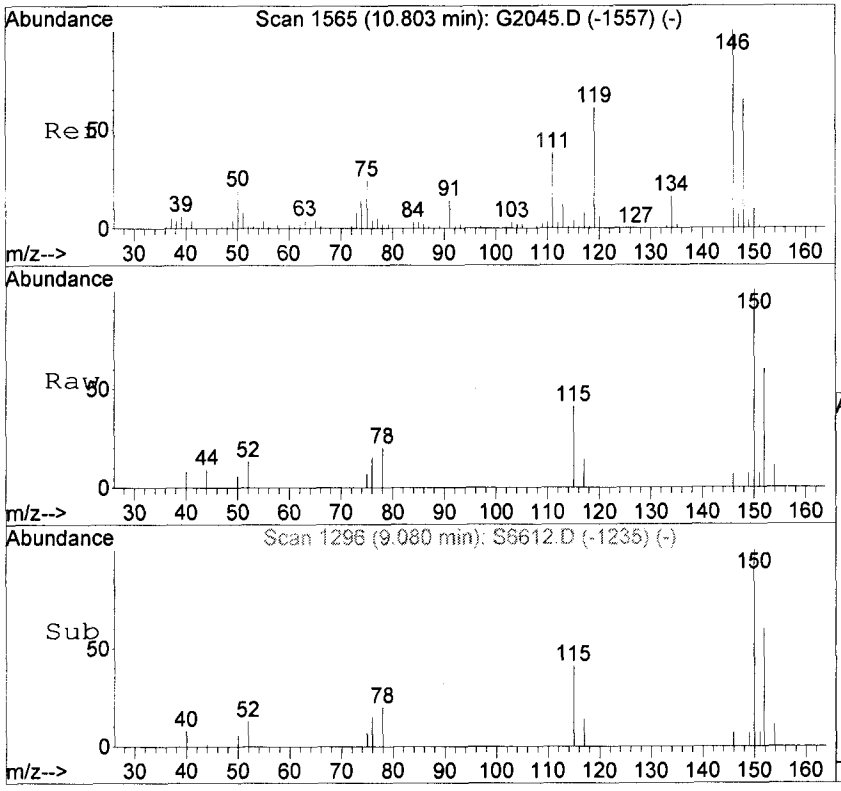


#19
C255 Methyl Acetate
Concen: Below Cal
RT: 3.01 min Scan# 299
Delta R.T. 0.03 min
Lab File: S6612.D
Acq: 9 Aug 2008 18:04

Tgt Ion: 43 Resp: 449

Ion	Ratio	Lower	Upper
43	100		
74	0.0	16.2	24.4#

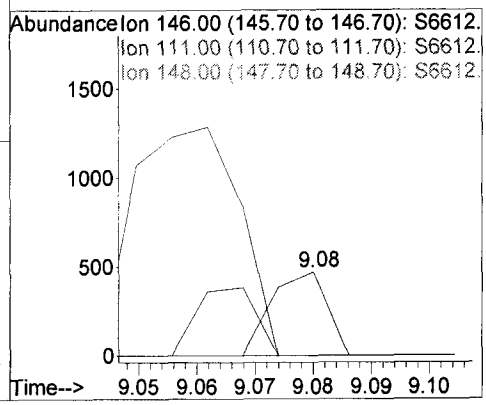


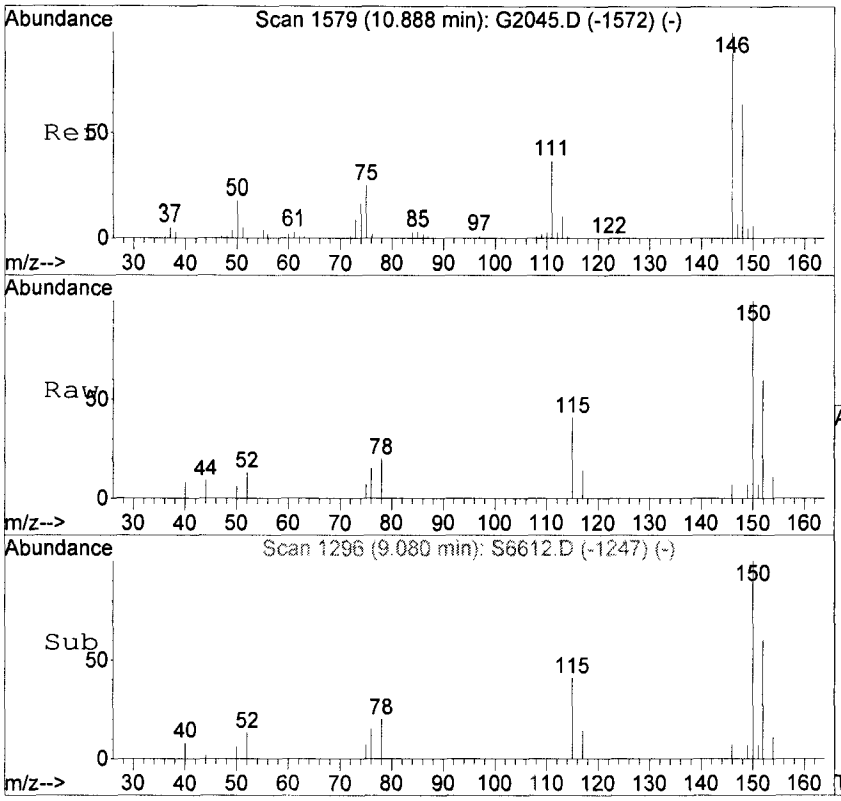


#76
C260 1,3-Dichlorobenzene
Concen: Below Cal
RT: 9.08 min Scan# 1296
Delta R.T. 0.07 min
Lab File: S6612.D
Acq: 9 Aug 2008 18:04

Tgt Ion:146 Resp: 312

Ion	Ratio	Lower	Upper
146	100		
111	0.0	9.6	69.6#
148	0.0	33.5	93.5#

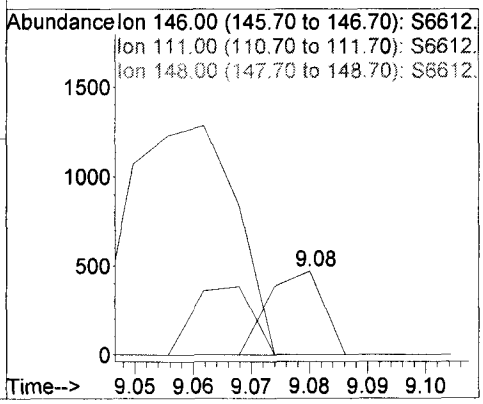




#78
C267 1,4-Dichlorobenzene
Concen: Below Cal
RT: 9.08 min Scan# 1296
Delta R.T. 0.00 min
Lab File: S6612.D
Acq: 9 Aug 2008 18:04

Tgt Ion:146 Resp: 312

Ion	Ratio	Lower	Upper
146	100		
111	0.0	6.1	66.1#
148	0.0	34.5	94.5#



Standards

METHOD 8260 - AQUEOUS (15% RSD)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000594-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Intrument ID: HP5973G Calibration Dates(s): 08/08/2008 08/08/2008

Heated Purge (Y/N): N Calibration Times: 16:36 18:32

GC Column: ZB-624 ID: 0.18(mm)

Lab File ID: RRF1 = G8175.RR RRF5 = G8176.RR RRF10 = G8177.RR
RRF25 = G8178.RR RRF50 = G8179.RR RRF100 = G8180.RR

COMPOUND	RRF1	RRF5	RRF10	RRF25	RRF50	RRF100	AVG RRF	% RSD
Acetone	0.164	0.146	0.136	0.134	0.132	0.136	0.1410	8.500
Benzene	1.561	1.599	1.558	1.603	1.647	1.653	1.6030	2.500
Bromodichloromethane	0.360	0.375	0.388	0.413	0.441	0.449	0.4040	8.900
Bromoform	0.290	0.329	0.351	0.410	0.469	0.524	0.3960	22.500
Bromomethane	0.091	0.109	0.089	0.100	0.096	0.091	0.0960	7.600
2-Butanone	0.231	0.219	0.216	0.210	0.211	0.218	0.2170	3.400
Methyl acetate	0.499	0.495	0.467	0.459	0.459	0.467	0.4740	3.800
Cyclohexane	0.637	0.718	0.750	0.767	0.767	0.754	0.7320	6.800
Methylcyclohexane	0.600	0.677	0.687	0.730	0.736	0.720	0.6910	7.300
Carbon Disulfide	0.993	1.057	1.062	1.106	1.128	1.145	1.0820	5.200
Carbon Tetrachloride	0.324	0.350	0.353	0.387	0.416	0.427	0.3760	10.800
Chlorobenzene	2.313	2.358	2.345	2.407	2.455	2.498	2.3960	3.000
Chloroethane	0.132	0.152	0.149	0.155	0.157	0.155	0.1500	6.100
Chloroform	0.569	0.593	0.567	0.590	0.615	0.610	0.5910	3.400
Chloromethane	0.440	0.459	0.435	0.441	0.440	0.428	0.4400	2.400
Dibromochloromethane	0.554	0.637	0.656	0.737	0.784	0.838	0.7010	14.900
1,2-Dibromo-3-chloropropane	0.115	0.141	0.143	0.153	0.165	0.177	0.1490	14.300
1,2-Dibromoethane	0.668	0.741	0.748	0.768	0.780	0.802	0.7510	6.200
1,2-Dichlorobenzene	1.746	1.807	1.782	1.854	1.905	1.915	1.8350	3.700
1,3-Dichlorobenzene	1.817	1.925	1.906	2.002	2.044	2.024	1.9530	4.400
1,4-Dichlorobenzene	1.986	1.937	1.931	2.019	2.049	2.037	1.9930	2.500
Dichlorodifluoromethane	0.195	0.225	0.241	0.255	0.257	0.247	0.2370	9.900
1,1-Dichloroethane	0.689	0.712	0.695	0.717	0.752	0.747	0.7190	3.600
1,2-Dichloroethane	0.508	0.511	0.504	0.515	0.533	0.532	0.5170	2.400
1,1-Dichloroethene	0.349	0.338	0.330	0.349	0.375	0.373	0.3530	5.200
cis-1,2-Dichloroethene	0.414	0.424	0.412	0.432	0.451	0.454	0.4310	4.200
trans-1,2-Dichloroethene	0.369	0.393	0.385	0.401	0.431	0.432	0.4020	6.300
1,2-Dichloropropane	0.380	0.402	0.395	0.403	0.427	0.425	0.4050	4.400
cis-1,3-Dichloropropene	0.504	0.558	0.572	0.599	0.627	0.643	0.5840	8.700
trans-1,3-Dichloropropene	1.062	1.160	1.184	1.262	1.294	1.332	1.2160	8.200
Ethylbenzene	3.652	3.826	3.814	3.917	4.042	4.087	3.8900	4.100
2-Hexanone	0.696	0.677	0.714	0.680	0.674	0.713	0.6920	2.600
Isopropylbenzene	4.228	4.336	4.320	4.352	4.425	4.351	4.3350	1.500
Methylene chloride	0.979	0.520	0.442	0.424	0.433	0.428	0.5380	40.700
4-Methyl-2-pentanone	1.065	1.065	1.077	1.057	1.027	1.050	1.0570	1.600
Styrene	2.272	2.516	2.522	2.687	2.763	2.808	2.5950	7.700
1,1,2,2-Tetrachloroethane	0.970	1.090	1.054	1.092	1.111	1.112	1.0720	5.000

METHOD 8260 - AQUEOUS (15% RSD)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000594-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Intrument ID: HP5973G Calibration Dates(s): 08/08/2008 08/08/2008

Heated Purge (Y/N): N Calibration Times: 16:36 18:32

GC Column: ZB-624 ID: 0.18(mm)

Lab File ID: RRF1 = G8175.RR RRF5 = G8176.RR RRF10 = G8177.RR
RRF25 = G8178.RR RRF50 = G8179.RR RRF100 = G8180.RR

COMPOUND	RRF1	RRF5	RRF10	RRF25	RRF50	RRF100	AVG RRF	% RSD
Tetrachloroethene	0.861	0.832	0.851	0.893	0.910	0.927	0.8790	4.200
Toluene	2.186	2.174	2.163	2.253	2.296	2.325	2.2330	3.100
1,2,4-Trichlorobenzene	0.978	1.051	1.073	1.125	1.150	1.194	1.0950	7.000
1,1,1-Trichloroethane	0.427	0.454	0.453	0.480	0.511	0.513	0.4730	7.300
1,1,2-Trichloroethane	0.571	0.601	0.614	0.633	0.641	0.651	0.6190	4.800
Trichloroethene	0.340	0.353	0.354	0.360	0.380	0.382	0.3610	4.500
Trichlorofluoromethane	0.298	0.341	0.335	0.365	0.376	0.365	0.3470	8.200
Vinyl chloride	0.405	0.441	0.434	0.447	0.446	0.425	0.4330	3.700
Total Xylenes	1.441	1.479	1.481	1.551	1.602	1.647	1.5330	5.200
Methyl-t-Butyl Ether (MTBE)	0.945	1.003	1.026	1.053	1.079	1.082	1.0310	5.100
1,1,2-Trichloro-1,2,2-trifl	0.295	0.311	0.319	0.329	0.338	0.332	0.3210	5.000
1,2-Dichloroethane-D4	0.277	0.343	0.263	0.309	0.296	0.296	0.2970	9.300
Toluene-D8	2.206	2.729	2.218	2.736	2.532	2.533	2.4920	9.400
p-Bromofluorobenzene	0.608	0.732	0.581	0.727	0.693	0.713	0.6760	9.600

Comments:

Response Factor Report HP5973G

Method Path : D:\MSDCHEM\G\METHODS\8260-5MLLOW\
Method File : A8I0000594-SIXTHPT.M
Title : 8260 5ML WATER
Last Update : Fri Aug 08 19:05:58 2008
Response Via : Initial Calibration

8260 (A8I... 0594)

Calibration Files
1 =G8175.D 2 =G8176.D 3 =G8177.D
4 =G8178.D 5 =G8179.D 6 =G8180.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	I	CI10 1,4-Difluoroben	ISTD							
2)	T	C290 Dichlorodiflu	0.195	0.225	0.241	0.255	0.257	0.247	0.237	9.91
3)	T	C010 Chloromethane	0.440	0.459	0.435	0.441	0.440	0.428	0.440	2.35
4)	T	C020 Vinyl chlorid	0.405	0.441	0.434	0.447	0.445	0.425	0.433	3.69
5)	T	C015 Bromomethane	0.091	0.109	0.089	0.100	0.096	0.091	0.096	7.65
6)	T	C025 Chloroethane	0.132	0.152	0.149	0.155	0.157	0.155	0.150	6.06
7)	T	C275 Trichlorofluo	0.298	0.341	0.335	0.365	0.375	0.365	0.347	8.16
8)	T	C045 1,1-Dichloroe	0.349	0.338	0.330	0.349	0.375	0.373	0.353	5.21
9)	T	C030 Methylene chl	0.979	0.520	0.442	0.424	0.433	0.428	-----	
							L	M= 0.425	R=1.000	
								B= 0.011		
10)	T	C040 Carbon disulf	0.993	1.057	1.062	1.106	1.128	1.145	1.082	5.17
11)	T	C036 Acrolein	0.083	0.084	0.081	0.079	0.078	0.077	0.080	3.56
12)	T	C038 Acrylonitrile	0.186	0.185	0.179	0.177	0.178	0.181	0.181	2.04
13)	T	C035 Acetone	0.163	0.146	0.136	0.134	0.132	0.136	0.141	8.45
14)	T	C300 Acetonitrile	0.063	0.065	0.062	0.060	0.059	0.060	0.061	3.65
15)	T	C276 Iodomethane	0.519	0.561	0.553	0.566	0.572	0.583	0.559	3.98
16)	T	C291 1,1,2-Trichlo	0.294	0.311	0.319	0.329	0.338	0.332	0.321	5.00
17)	T	C962 T-butyl Methy	0.945	1.003	1.026	1.053	1.079	1.082	1.031	5.07
18)	T	C057 trans-1,2-Dic	0.369	0.393	0.385	0.401	0.431	0.432	0.402	6.31
19)	T	C255 Methyl Acetat	0.499	0.495	0.467	0.459	0.459	0.467	0.474	3.78
20)	T	C050 1,1-Dichloroe	0.689	0.712	0.695	0.717	0.752	0.747	0.719	3.66
21)	T	C125 Vinyl Acetate	0.880	0.962	0.963	0.968	0.953	0.932	0.943	3.52
22)	T	C051 2,2-Dichlorop	0.404	0.423	0.411	0.436	0.459	0.452	0.431	5.14
23)	T	C056 cis-1,2-Dichl	0.414	0.424	0.412	0.432	0.451	0.454	0.431	4.16
24)	T	C272 Tetrahydrofur	0.162	0.155	0.152	0.149	0.148	0.154	0.153	3.31
25)	T	C222 Bromochlorome	0.187	0.207	0.200	0.214	0.224	0.225	0.210	6.95
26)	S	CS87 Dibromofluoro	0.214	0.284	0.226	0.275	0.267	0.267	0.255	11.13
27)	T	C060 Chloroform	0.569	0.593	0.567	0.590	0.615	0.610	0.591	3.40
28)	T	C115 1,1,1-Trichlo	0.427	0.454	0.453	0.480	0.511	0.512	0.473	7.28
29)	T	C120 Carbon tetrac	0.324	0.350	0.353	0.387	0.416	0.427	0.376	10.83
30)	T	C116 1,1-Dichlorop	0.451	0.478	0.472	0.491	0.516	0.518	0.488	5.41
31)	S	CS15 1,2-Dichloroe	0.277	0.343	0.263	0.309	0.296	0.296	0.297	9.30
32)	T	C165 Benzene	1.561	1.599	1.558	1.603	1.647	1.653	1.603	2.53
33)	T	C065 1,2-Dichloroe	0.508	0.511	0.504	0.515	0.533	0.532	0.517	2.41
34)	T	C110 2-Butanone	0.230	0.219	0.216	0.210	0.211	0.218	0.217	3.38
35)	T	C256 Cyclohexane	0.637	0.718	0.750	0.767	0.767	0.754	0.732	6.83
36)	T	C150 Trichloroethe	0.340	0.353	0.354	0.360	0.380	0.382	0.361	4.49
37)	T	C140 1,2-Dichlorop	0.380	0.402	0.395	0.403	0.427	0.425	0.405	4.41
38)	T	C278 Dibromomethan	0.178	0.211	0.210	0.214	0.219	0.222	0.209	7.66
39)	T	C130 Bromodichloro	0.360	0.375	0.388	0.413	0.441	0.449	0.404	8.90
40)	T	C161 2-Chloroethyl	0.248	0.274	0.293	0.290	0.296	0.299	0.283	6.81
41)	T	C012 Methylcyclohe	0.600	0.677	0.687	0.729	0.736	0.720	0.691	7.34
42)	T	C145 cis-1,3-Dichl	0.504	0.557	0.572	0.599	0.627	0.643	0.584	8.67
43)	I	CI20 Chlorobenzene-D	ISTD							
44)	S	CS05 Toluene-D8	2.206	2.729	2.218	2.736	2.532	2.533	2.492	9.43
45)	T	C230 Toluene	2.186	2.174	2.163	2.252	2.296	2.325	2.233	3.08
46)	T	C170 trans-1,3-Dic	1.062	1.160	1.184	1.261	1.294	1.332	1.216	8.18
47)	T	C284 Ethyl Methacr	0.977	1.058	1.143	1.165	1.170	1.252	1.127	8.55
48)	T	C160 1,1,2-Trichlo	0.571	0.601	0.614	0.633	0.641	0.651	0.619	4.76
49)	T	C210 4-Methyl-2-pe	1.065	1.065	1.077	1.057	1.027	1.049	1.057	1.63
50)	T	C220 Tetrachloroet	0.861	0.832	0.851	0.893	0.910	0.927	0.879	4.19
51)	T	C221 1,3-Dichlorop	1.263	1.313	1.343	1.386	1.388	1.420	1.352	4.27
52)	T	C155 Dibromochloro	0.554	0.637	0.656	0.737	0.784	0.838	0.701	14.92
53)	T	C163 1,2-Dibromoet	0.668	0.740	0.748	0.768	0.780	0.802	0.751	6.16

Response Factor Report HP5973G

Method Path : D:\MSDCHEM\G\METHODS\8260-5MLLOW\
Method File : A8I0000594-SIXTHPT.M
Title : 8260 5ML WATER
Last Update : Fri Aug 08 19:05:58 2008
Response Via : Initial Calibration

Calibration Files
1 =G8175.D 2 =G8176.D 3 =G8177.D
4 =G8178.D 5 =G8179.D 6 =G8180.D

54)	T	C215	2-Hexanone	0.696	0.677	0.714	0.680	0.674	0.713	0.692	2.58
55)	T	C235	Chlorobenzene	2.313	2.358	2.345	2.407	2.455	2.498	2.396	2.95
56)	T	C281	1,1,1,2-Tetra	0.604	0.665	0.672	0.733	0.768	0.793	0.706	10.10
57)	T	C240	Ethylbenzene	3.652	3.826	3.814	3.917	4.042	4.087	3.890	4.13
58)	T	C246	m,p-Xylene	1.475	1.541	1.543	1.607	1.656	1.681	1.584	4.93
59)	T	C247	o-Xylene	1.441	1.479	1.481	1.551	1.602	1.647	1.533	5.22
60)	T	C245	Styrene	2.272	2.516	2.522	2.687	2.763	2.808	2.595	7.68
61)	T	C180	Bromoform	0.290	0.329	0.351	0.410	0.469	0.524	-----	
								L	M= 0.531	R=0.996	
									B= -0.073		
62)	S	CS10	p-Bromofluoro	0.608	0.732	0.581	0.727	0.693	0.713	0.676	9.63
63)	I	CI30	1,4-Dichloroben	----------ISTD----------							
64)	T	C966	Isopropylbenz	4.228	4.335	4.320	4.352	4.425	4.351	4.335	1.47
65)	T	C301	Bromobenzene	1.065	1.096	1.086	1.110	1.118	1.106	1.097	1.74
66)	T	C225	1,1,2,2-Tetra	0.970	1.090	1.054	1.092	1.111	1.112	1.072	5.03
67)	T	C282	1,2,3-Trichlo	0.345	0.360	0.351	0.347	0.350	0.353	0.351	1.48
68)	T	C283	t-1,4-Dichlor	0.144	0.155	0.157	0.165	0.170	0.170	0.160	6.35
69)	T	C302	n-Propylbenze	5.077	5.358	5.313	5.418	5.524	5.442	5.355	2.89
70)	T	C303	2-Chlorotolue	1.002	1.071	1.040	1.047	1.060	1.052	1.045	2.27
71)	T	C289	4-Chlorotolue	1.048	1.074	1.068	1.106	1.116	1.103	1.086	2.44
72)	T	C304	1,3,5-Trimeth	3.256	3.462	3.470	3.555	3.607	3.588	3.490	3.70
73)	T	C306	tert-Butylben	0.798	0.786	0.802	0.816	0.838	0.830	0.812	2.46
74)	T	C307	1,2,4-Trimeth	3.127	3.414	3.406	3.523	3.550	3.533	3.425	4.64
75)	T	C308	sec-Butylbenz	3.918	4.065	4.139	4.291	4.367	4.359	4.190	4.30
76)	T	C260	1,3-Dichlorob	1.817	1.925	1.906	2.002	2.044	2.024	1.953	4.42
77)	T	C309	4-Isopropylto	3.343	3.555	3.592	3.760	3.896	3.854	3.666	5.72
78)	T	C267	1,4-Dichlorob	1.986	1.937	1.931	2.019	2.049	2.037	1.993	2.53
79)	T	C249	1,2-Dichlorob	1.746	1.807	1.782	1.854	1.905	1.915	1.835	3.71
80)	T	C310	n-Butylbenzen	2.802	2.999	3.119	3.313	3.421	3.448	3.184	8.03
81)	T	C286	1,2-Dibromo-3	0.115	0.141	0.143	0.153	0.165	0.176	0.149	14.26
82)	T	C313	1,2,4-Trichlo	0.978	1.051	1.073	1.125	1.150	1.194	1.095	7.04
83)	T	C316	Hexachlorobut	0.406	0.428	0.431	0.448	0.467	0.473	0.442	5.74
84)	T	C314	Naphthalene	2.776	3.054	3.143	3.216	3.264	3.332	3.131	6.34
85)	T	C934	1,2,3-Trichlo	0.950	0.998	1.008	1.035	1.049	1.058	1.016	3.93

Total Average %RSD 5.50

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

A8I0000594-SIXTHPT.M Fri Aug 08 19:06:18 2008 HP5973S

Date: 08/08/2008 ICC Profile Page: 1
Time: 22:06:28 Rept: AN0287R

ICC Profile Code: A00276 METHOD 8260 low 5ML PURGE 6PT 15% D
Fraction: MV

No of Points: 6 Default Min. RRF: 0.3000 QC Approver: LH
CCC Conc: 125.00 QC Date: 03/31/2008

Comments:

Seq		Parameter	ng On Column Point 1	Point 2	Point 3	Point 4	Point 5	Point 6
2	123-91-1	1,4-Dioxane	200.0000	1000.0000	2000.0000	5000.0000	10000.0000	20000.0000
7	77-73-6	Dicyclopentadiene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
8	526-73-8	1,2,3-Trimethylbenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
15	994-05-8	tert-Amyl Methyl Ether (TAME)	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
18	67-64-1	Acetone	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
20	71-43-2	Benzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
25	637-92-3	Ethyl-t-butyl ether (ETBE)	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
30	108-86-1	Bromobenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
40	74-97-5	Bromochloromethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
50	75-27-4	Bromodichloromethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
51	108-70-3	1,3,5-Trichlorobenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
60	75-25-2	Bromoform	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
70	74-83-9	Bromomethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
88	78-93-3	2-Butanone	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
90	104-51-8	n-Butylbenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
91	107-12-0	Propionitrile	50.0000	250.0000	500.0000	1250.0000	2500.0000	5000.0000
92	126-98-7	Methacrylonitrile	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
93	108-20-3	Isopropyl Ether (DIPE)	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
94	78-83-1	Isobutanol	200.0000	1000.0000	2000.0000	5000.0000	10000.0000	20000.0000
95	71-36-3	n-Butyl alcohol	200.0000	1000.0000	2000.0000	5000.0000	10000.0000	20000.0000
96	108-41-8	m-Chlorotoluene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
97	108-94-1	Cyclohexanone	50.0000	250.0000	500.0000	1250.0000	2500.0000	5000.0000
98	76-01-7	Pentachloroethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
99	75-65-0	tert-Butyl Alcohol (TBA)	100.0000	500.0000	1000.0000	2500.0000	5000.0000	10000.0000
100	135-98-8	sec-Butylbenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
101	79-20-9	Methyl acetate	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
102	110-82-7	Cyclohexane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
103	108-87-2	Methylcyclohexane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
104	98-56-6	p-Monochlorobenzotrifluoride	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
105	98-15-7	m-Monochlorobenzotrifluoride	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
106	88-16-4	o-Monochlorobenzotrifluoride	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
110	98-06-6	tert-Butylbenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
111	106-89-8	Epichlorohydrin	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
112	79-46-9	2-Nitropropane	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
114	TOTALVOA	Total Volatile Organic Compoun	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
120	554-14-3	2-Methyl Thiophene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
121	616-44-4	3-Methyl Thiophene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
128	75-15-0	Carbon Disulfide	5.0000	25.0000	50.0000	125.0000	125.0000	500.0000
130	56-23-5	Carbon Tetrachloride	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
140	108-90-7	Chlorobenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
145	104-76-7	2-Ethyl-1-hexanol	50.0000	500.0000	1250.0000	2500.0000	5000.0000	0.0000
150	75-00-3	Chloroethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
160	67-66-3	Chloroform	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
170	74-87-3	Chloromethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
180	95-49-8	o-Chlorotoluene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
190	106-43-4	p-Chlorotoluene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
200	124-48-1	Dibromochloromethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000

Date: 08/08/2008 ICC Profile Page: 2
Time: 22:06:28 Rept: AN0287R

ICC Profile Code: A00276 METHOD 8260 low 5ML PURGE 6PT 15% D (continued)

Seq		Parameter	ng On Column Point 1	Point 2	Point 3	Point 4	Point 5	Point 6
201	110-54-3	Hexane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
202	142-82-5	Heptane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
203	534-15-6	1,1-Dimethoxyethane	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
204	75-56-9	Propylene Oxide	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
210	96-12-8	1,2-Dibromo-3-chloropropane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
220	106-93-4	1,2-Dibromoethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
230	74-95-3	Dibromomethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
240	95-50-1	1,2-Dichlorobenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
250	541-73-1	1,3-Dichlorobenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
260	106-46-7	1,4-Dichlorobenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
270	75-71-8	Dichlorodifluoromethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
280	75-34-3	1,1-Dichloroethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
290	107-06-2	1,2-Dichloroethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
300	75-35-4	1,1-Dichloroethene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
307	109-99-9	Tetrahydrofuran	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
310	156-59-2	cis-1,2-Dichloroethene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
320	156-60-5	trans-1,2-Dichloroethene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
330	78-87-5	1,2-Dichloropropane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
340	142-28-9	1,3-Dichloropropane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
350	594-20-7	2,2-Dichloropropane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
360	563-58-6	1,1-Dichloropropene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
370	10061-01-5	cis-1,3-Dichloropropene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
380	10061-02-6	trans-1,3-Dichloropropene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
390	100-41-4	Ethylbenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
410	87-68-3	Hexachlorobutadiene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
418	591-78-6	2-Hexanone	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
420	98-82-8	Isopropylbenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
430	99-87-6	p-Cymene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
440	75-09-2	Methylene chloride	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
458	108-10-1	4-Methyl-2-pentanone	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
460	91-20-3	Naphthalene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
470	103-65-1	n-Propylbenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
480	100-42-5	Styrene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
490	630-20-6	1,1,1,2-Tetrachloroethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
500	79-34-5	1,1,2,2-Tetrachloroethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
510	127-18-4	Tetrachloroethene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
520	108-88-3	Toluene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
530	87-61-6	1,2,3-Trichlorobenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
540	120-82-1	1,2,4-Trichlorobenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
550	71-55-6	1,1,1-Trichloroethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
560	79-00-5	1,1,2-Trichloroethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
570	79-01-6	Trichloroethene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
580	75-69-4	Trichlorofluoromethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
590	96-18-4	1,2,3-Trichloropropane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
600	95-63-6	1,2,4-Trimethylbenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
610	108-67-8	1,3,5-Trimethylbenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
620	75-01-4	Vinyl chloride	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
630	1330-20-7	Total Xylenes	15.0000	75.0000	150.0000	375.0000	750.0000	1500.0000
646	SU107-06-2	1,2-Dichloroethane-D4	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
648	2037-26-5	Toluene-D8	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
650	460-00-4	p-Bromofluorobenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
660	SU95-50-1	1,2-Dichlorobenzene-d4	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000

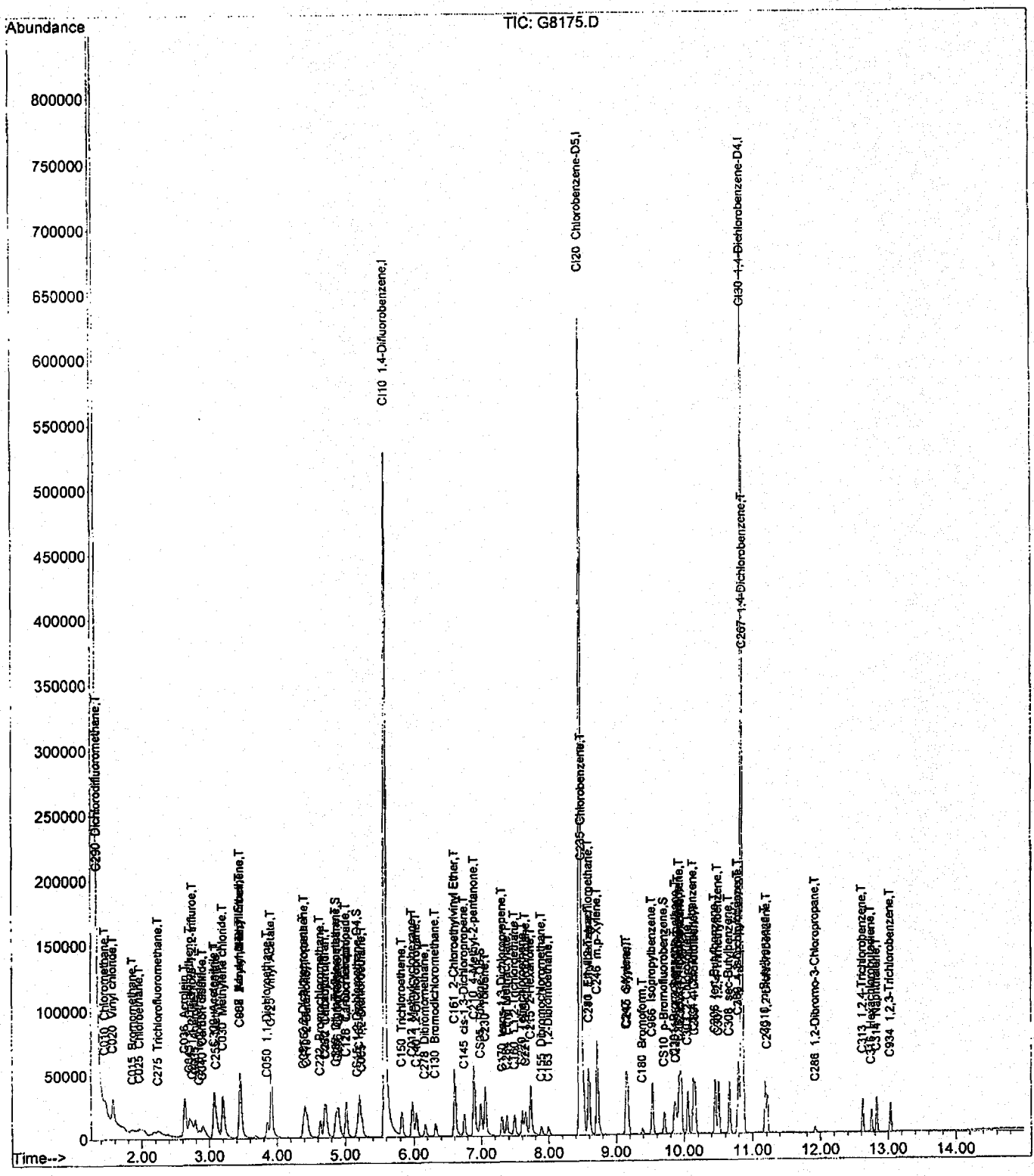
ICC Profile Code: A00276 METHOD 8260 low 5ML PURGE 6PT 15% D (continued)

Seq	Parameter	ng On Column Point 1	Point 2	Point 3	Point 4	Point 5	Point 6
670 SU106-46-7	1,4-Dichlorobenzene-D4	125.0000	125.0000	125.0000	125.0000	125.0000	125.0000
680 3114-55-4	Chlorobenzene-D5	125.0000	125.0000	125.0000	125.0000	125.0000	125.0000
690 540-36-3	1,4-Difluorobenzene	125.0000	125.0000	125.0000	125.0000	125.0000	0.0000
700 462-06-6	Fluorobenzene	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
800 1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
805 75-43-4	Dichlorofluoromethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
810 594-18-3	Dibromodichloromethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
815 107-02-8	Acrolein	100.0000	500.0000	1000.0000	2500.0000	5000.0000	10000.0000
820 76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
825 107-13-1	Acrylonitrile	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
830 80-62-6	Methyl methacrylate	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
840 540-59-0	1,2-Dichloroethene (Total)	10.0000	50.0000	100.0000	250.0000	500.0000	1000.0000
850 M/P XYLENE	m/p-Xylenes	10.0000	50.0000	100.0000	250.0000	500.0000	1000.0000
860 95-47-6	o-Xylene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
870 108-05-4	Vinyl acetate	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
880 110-75-8	2-Chloroethylvinyl ether	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
890 110-57-6	trans-1,4-Dichloro-2-butene	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
900 74-88-4	Iodomethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
910 97-63-2	Ethyl methacrylate	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
920 75-45-6	Chlorodifluoromethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
930 544-10-5	1-Chlorohexane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
935 106-99-0	1,3-Butadiene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
940 75-05-8	Acetonitrile	200.0000	1000.0000	2000.0000	5000.0000	10000.0000	20000.0000
950 60-29-7	Ethyl ether	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
951 108-38-3	m-Xylene	10.0000	50.0000	100.0000	250.0000	500.0000	1000.0000
952 106-42-3	p-Xylene	10.0000	50.0000	100.0000	250.0000	500.0000	1000.0000
962 542-75-6	1,3-Dichloropropene (Total)	10.0000	50.0000	100.0000	250.0000	500.0000	1000.0000
972 64-17-5	Ethanol	100.0000	1000.0000	2500.0000	5000.0000	10000.0000	0.0000
982 141-78-6	Ethyl acetate	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
992 107-05-1	3-Chloropropene (Allyl Chlor.)	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
993 126-99-8	2-Chloro-1,3-butadiene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
994 54-28-81TIC	Bis(chloromethyl) ether (VOA T	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\G\DATA\080808\G8175.D Vial: 3
Acq On : 8 Aug 2008 16:36 Operator: LH
Sample : VSTD001 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 08 18:58:46 2008 Results File: A8I0000...THPT.RES
Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\G\DATA\080808\G8175.D Vial: 3
Acq On : 8 Aug 2008 16:36 Operator: LH
Sample : VSTD001 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 18:58:46 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\080808\G8178.D (8 Aug 2008 17:45)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.58	114	566782	125.00	ng	0.00 96.70%
43) CI20	Chlorobenzene-D5	8.46	82	241285	125.00	ng	0.00 94.63%
63) CI30	1,4-Dichlorobenzene-	10.85	152	199491	125.00	ng	0.00 90.07%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.87	111	4849	4.18	NG	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery	=	3.34%#	
31) CS15	1,2-Dichloroethane-D	5.17	65	6273	4.65	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery	=	3.72%#	
44) CS05	Toluene-D8	6.99	98	21292	4.53	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery	=	3.62%#	
62) CS10	p-Bromofluorobenzene	9.71	174	5866	4.62	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery	=	3.70%#	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.34	85	4419	4.50	ng	# 100
3) C010	Chloromethane	1.46	50	9973	4.61	ng	98
4) C020	Vinyl chloride	1.57	62	9177	4.96	ng	92
5) C015	Bromomethane	1.87	94	2073	3.63	ng	76
6) C025	Chloroethane	1.97	64	3000	3.87	ng	100
7) C275	Trichlorofluorometha	2.24	101	6763m	4.48	ng	88
8) C045	1,1-Dichloroethene	2.70	96	7920	5.29	ng	94
9) C030	Methylene chloride	3.20	84	22194	9.75	ng	88
10) C040	Carbon disulfide	2.90	76	22504	4.92	ng	97
11) C036	Acrolein	2.63	56	37620	111.20	ng	100
12) C038	Acrylonitrile	3.45	53	21059	28.36	ng	97
13) C035	Acetone	2.79	43	18529	31.54	ng	97
14) C300	Acetonitrile	3.07	41	57039	223.59	ng	93
15) C276	Iodomethane	2.85	142	11762	4.76	ng	86
16) C291	1,1,2-Trichloro-1,2,	2.75	101	6676	5.38	ng	# 89
17) C962	T-butyl Methyl Ether	3.45	73	21414	4.34	ng	91
18) C057	trans-1,2-Dichloroet	3.45	96	8362	4.72	ng	96
19) C255	Methyl Acetate	3.10	43	11323	4.13	ng	99
20) C050	1,1-Dichloroethane	3.85	63	15611	4.81	ng	97
21) C125	Vinyl Acetate	3.91	43	99795	26.49	ng	100
22) C051	2,2-Dichloropropane	4.38	77	9155	4.31	ng	98
23) C056	cis-1,2-Dichloroethe	4.40	96	9386	4.92	ng	97
24) C272	Tetrahydrofuran	4.70	42	18365	28.78	ng	96
25) C222	Bromochloromethane	4.63	128	4250	4.62	ng	92
27) C060	Chloroform	4.71	83	12898	4.78	ng	96
28) C115	1,1,1-Trichloroethan	4.86	97	9679	4.45	ng	93
29) C120	Carbon tetrachloride	5.01	117	7338	4.17	ng	98
30) C116	1,1-Dichloropropene	5.01	75	10218	4.84	ng	93
32) C165	Benzene	5.21	78	35383	5.02	ng	98
33) C065	1,2-Dichloroethane	5.24	62	11508	4.79	ng	94
34) C110	2-Butanone	4.44	43	26127	28.92	ng	91
35) C256	Cyclohexane	4.89	56	14433	4.69	ng	97
36) C150	Trichloroethene	5.82	95	7712	4.79	ng	88
37) C140	1,2-Dichloropropane	6.04	63	8610	4.65	ng	99
38) C278	Dibromomethane	6.16	93	4028	4.30	ng	91

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\G\DATA\080808\G8175.D Vial: 3
Acq On : 8 Aug 2008 16:36 Operator: LH
Sample : VSTD001 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 18:58:46 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\080808\G8178.D (8 Aug 2008 17:45)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
39) C130	Bromodichloromethane	6.32	83	8167	4.22	ng		97
40) C161	2-Chloroethylvinyl E	6.60	63	28138	22.86	ng		98
41) C012	Methylcyclohexane	5.98	83	13595	4.88	ng		98
42) C145	cis-1,3-Dichloroprop	6.74	75	11420	4.20	ng		91
45) C230	Toluene	7.05	92	21096	5.07	ng		92
46) C170	trans-1,3-Dichloropr	7.30	75	10250	4.23	ng		97
47) C284	Ethyl Methacrylate	7.37	69	9431	4.40	ng	#	94
48) C160	1,1,2-Trichloroethan	7.49	83	5514	4.75	ng		90
49) C210	4-Methyl-2-pentanone	6.89	43	51388	27.15	ng		95
50) C220	Tetrachloroethene	7.60	166	8313	5.23	ng		96
51) C221	1,3-Dichloropropane	7.65	76	12185	4.79	ng		95
52) C155	Dibromochloromethane	7.89	129	5351	3.69	ng		95
53) C163	1,2-Dibromoethane	7.99	107	6450	4.57	ng		98
54) C215	2-Hexanone	7.73	43	33572	26.39	ng		93
55) C235	Chlorobenzene	8.49	112	22326	4.92	ng		99
56) C281	1,1,1,2-Tetrachloroe	8.59	131	5828	4.05	ng		94
57) C240	Ethylbenzene	8.60	91	35248	4.77	ng		98
58) C246	m,p-Xylene	8.72	106	28478	9.59	ng		90
59) C247	o-Xylene	9.14	106	13908	4.77	ng		95
60) C245	Styrene	9.16	104	21927	4.34	ng		94
61) C180	Bromoform	9.39	173	2801	3.52	ng		92
64) C966	Isopropylbenzene	9.53	105	33740	4.74	ng		96
65) C301	Bromobenzene	9.86	156	8501	4.72	ng		100
66) C225	1,1,2,2-Tetrachloroe	9.88	83	7743	4.70	ng		98
67) C282	1,2,3-Trichloropropa	9.91	110	2752	5.14	ng		100
68) C283	t-1,4-Dichloro-2-But	9.93	51	5729	19.29	ng	#	48
69) C302	n-Propylbenzene	9.96	91	40509	4.54	ng		94
70) C303	2-Chlorotoluene	10.05	126	7995	4.69	ng		100
71) C289	4-Chlorotoluene	10.16	126	8361	4.67	ng		100
72) C304	1,3,5-Trimethylbenze	10.13	105	25984	4.46	ng		99
73) C306	tert-Butylbenzene	10.45	134	6370	4.97	ng	#	89
74) C307	1,2,4-Trimethylbenze	10.51	105	24949	4.39	ng		97
75) C308	sec-Butylbenzene	10.66	105	31261	4.68	ng		99
76) C260	1,3-Dichlorobenzene	10.79	146	14497	4.54	ng		95
77) C309	4-Isopropyltoluene	10.80	119	26672	4.53	ng		98
78) C267	1,4-Dichlorobenzene	10.87	146	15847	4.86	ng		93
79) C249	1,2-Dichlorobenzene	11.21	146	13933	4.68	ng		91
80) C310	n-Butylbenzene	11.18	91	22360	4.34	ng		95
81) C286	1,2-Dibromo-3-Chloro	11.93	75	918	3.69	ng		86
82) C313	1,2,4-Trichlorobenze	12.62	180	7807	4.36	ng		81
83) C316	Hexachlorobutadiene	12.76	225	3241	5.15	ng		98
84) C314	Naphthalene	12.83	128	22155	4.66	ng		99
85) C934	1,2,3-Trichlorobenze	13.04	180	7578	4.89	ng		93

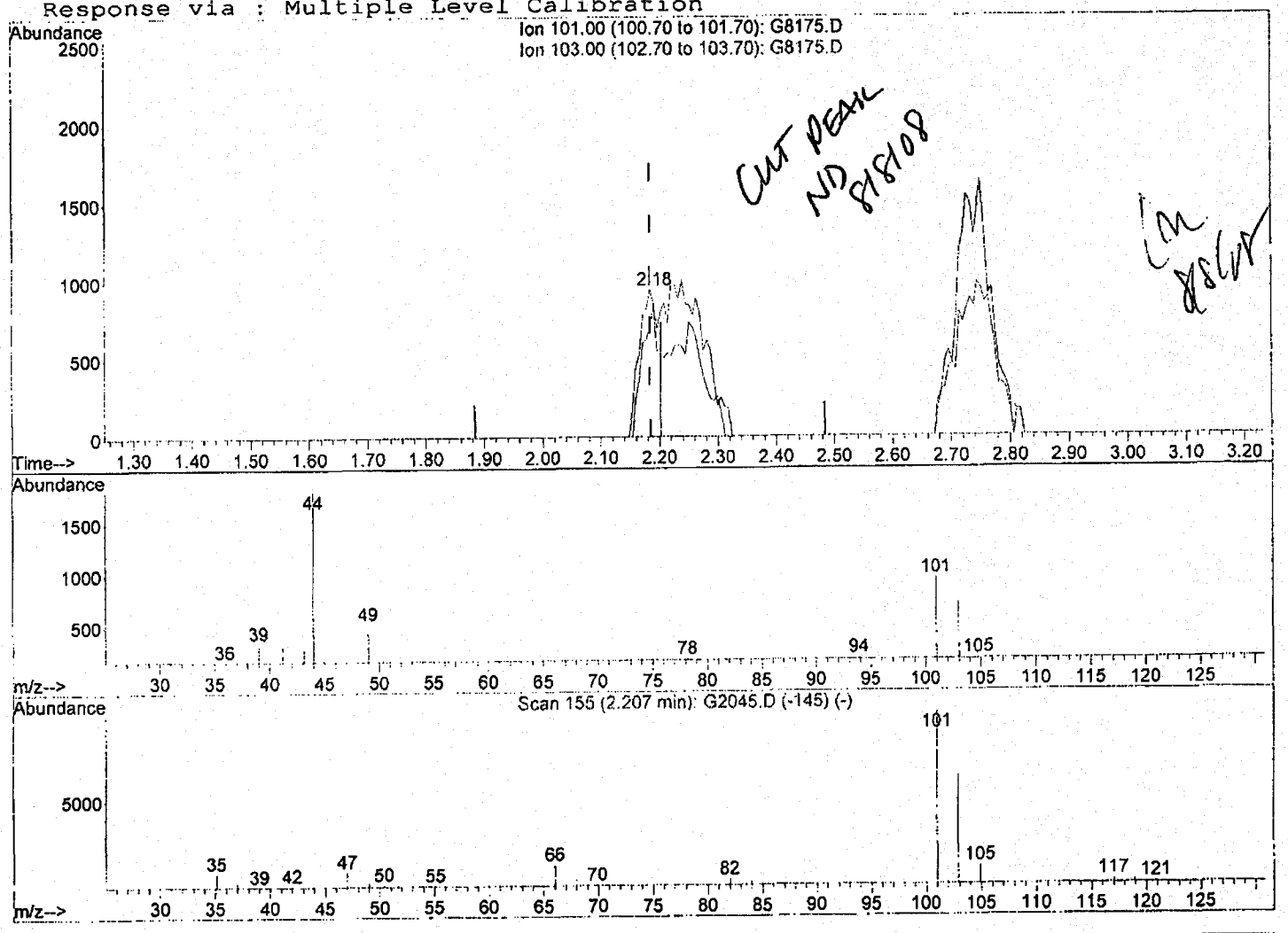
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data File : D:\MSDChem\G\Data\080808\G8175.D
Acq On : 8 Aug 2008 16:36
Sample : VSTD001
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 08 18:58:27 2008

Vial: 3
Operator: LH
Inst : HP5973G
Multiplr: 1.00

Method : D:\MSDCHEM\G\MET...000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Multiple Level Calibration



TIC: G8175.D

(7) C275 Trichlorofluoromethane (T)

2.18min (-0.000) 1.46ng

response 2202

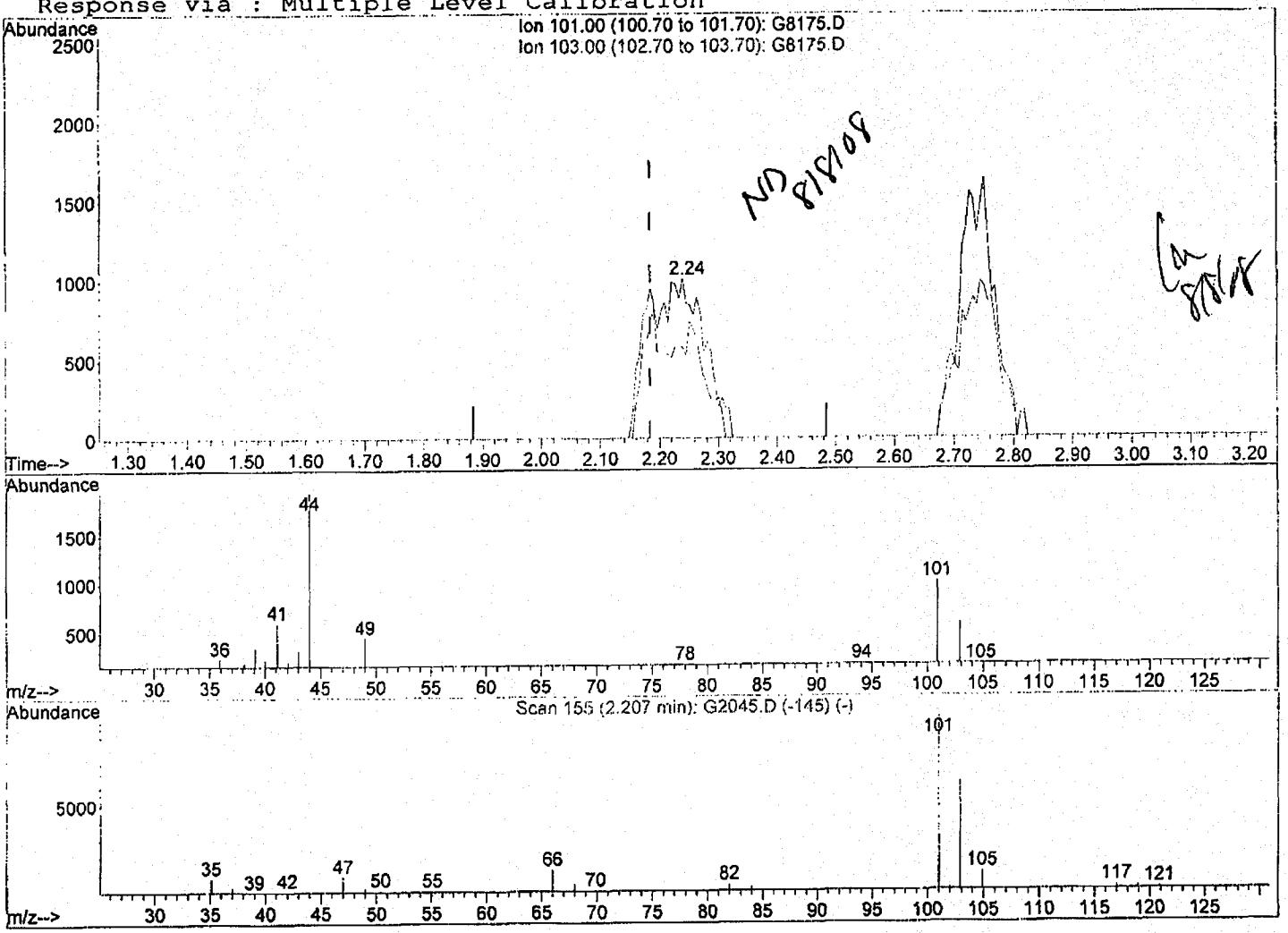
Ion	Exp%	Act%
101.00	100	100
103.00	64.90	74.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDChem\G\Data\080808\G8175.D
Acq On : 8 Aug 2008 16:36
Sample : VSTD001
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 08 18:58:27 2008

Vial: 3
Operator: LH
Inst : HP5973G
Multiplr: 1.00

Method : D:\MSDCHEM\G\MET...000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Multiple Level Calibration



TIC: G8175.D

(7) C275 Trichlorofluoromethane (T)

2.24min (+0.055) 4.48ng m

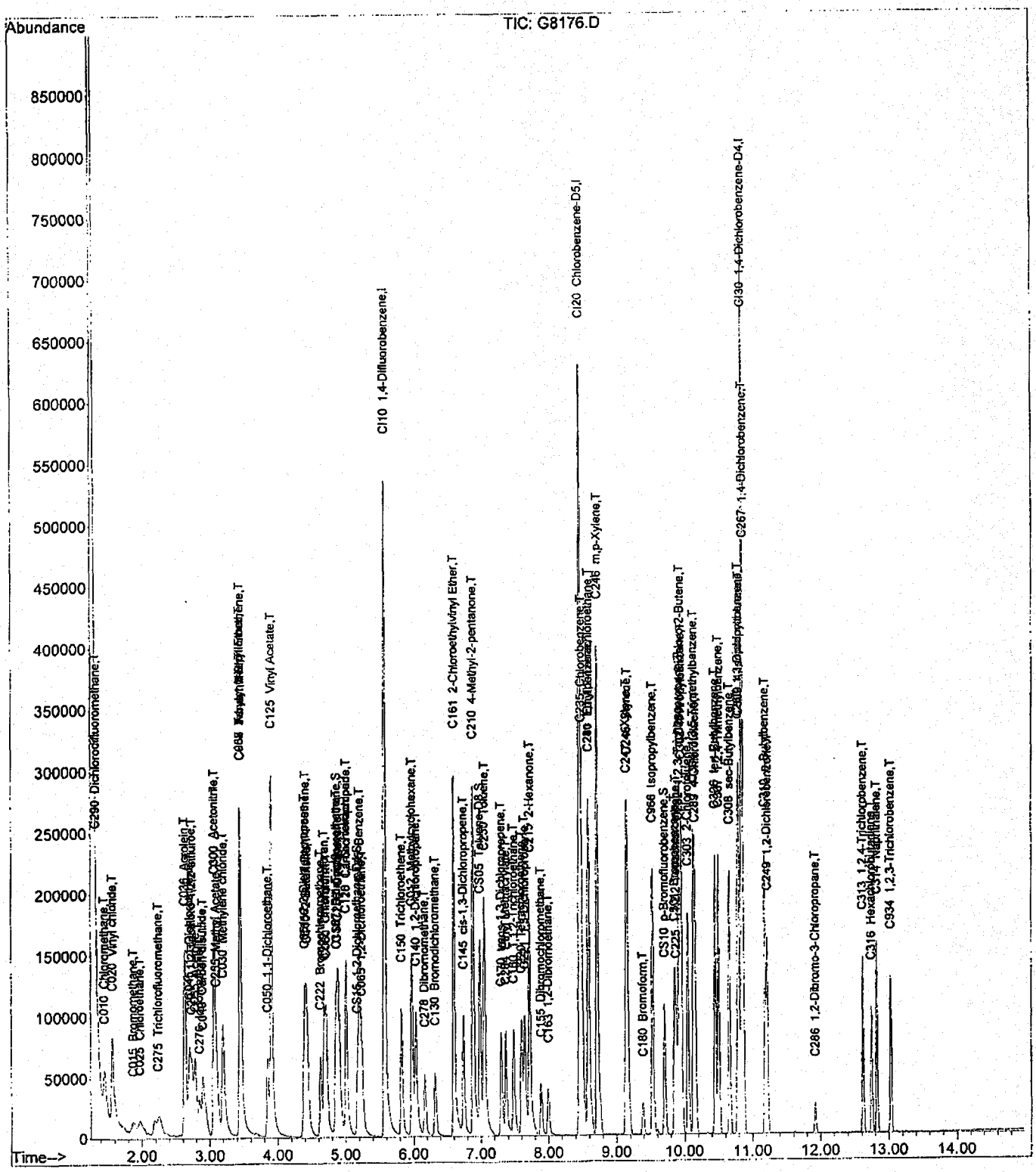
response 6763

Ion	Exp%	Act%
101.00	100	100
103.00	64.90	57.40
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\G\DATA\080808\G8176.D Vial: 4
Acq On : 8 Aug 2008 16:59 Operator: LH
Sample : VSTD005 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 08 18:59:55 2008 Results File: A8I0000...THPT.RES
Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\G\DATA\080808\G8176.D Vial: 4
Acq On : 8 Aug 2008 16:59 Operator: LH
Sample : VSTD005 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 18:59:55 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\080808\G8178.D (8 Aug 2008 17:45)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.58	114	569592	125.00	ng	0.00 97.18%
43) CI20	Chlorobenzene-D5	8.46	82	244592	125.00	ng	0.00 95.93%
63) CI30	1,4-Dichlorobenzene-	10.85	152	203737	125.00	ng	0.00 91.99%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.87	111	32345	27.77	NG	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery	=	22.22%#	
31) CS15	1,2-Dichloroethane-D	5.17	65	39075	28.83	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery	=	23.06%#	
44) CS05	Toluene-D8	6.99	98	133520	28.02	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery	=	22.42%#	
62) CS10	p-Bromofluorobenzene	9.71	174	35798	27.81	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery	=	22.25%#	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.34	85	25677	26.02	ng	# 100
3) C010	Chloromethane	1.45	50	52284	24.04	ng	97
4) C020	Vinyl chloride	1.57	62	50248	27.02	ng	87
5) C015	Bromomethane	1.87	94	12373	21.57	ng	79
6) C025	Chloroethane	1.96	64	17311	22.25	ng	87
7) C275	Trichlorofluorometha	2.24	101	38877m	25.63	ng	99
8) C045	1,1-Dichloroethene	2.70	96	38490	25.60	ng	95
9) C030	Methylene chloride	3.20	84	59244	25.89	ng	95
10) C040	Carbon disulfide	2.90	76	120437	26.22	ng	99
11) C036	Acrolein	2.63	56	191016	561.83	ng	96
12) C038	Acrylonitrile	3.45	53	105429	141.27	ng	93
13) C035	Acetone	2.79	43	82930	140.47	ng	99
14) C300	Acetonitrile	3.07	41	296332	1155.87	ng	96
15) C276	Iodomethane	2.85	142	63888	25.73	ng	87
16) C291	1,1,2-Trichloro-1,2,	2.74	101	35431	28.41	ng	95
17) C962	T-butyl Methyl Ether	3.45	73	114260	23.03	ng	87
18) C057	trans-1,2-Dichloroet	3.45	96	44738	25.11	ng	97
19) C255	Methyl Acetate	3.10	43	56342	20.43	ng	99
20) C050	1,1-Dichloroethane	3.85	63	81133	24.89	ng	98
21) C125	Vinyl Acetate	3.91	43	547778	144.68	ng	100
22) C051	2,2-Dichloropropane	4.39	77	48171	22.59	ng	97
23) C056	cis-1,2-Dichloroethe	4.41	96	48351	25.21	ng	93
24) C272	Tetrahydrofuran	4.68	42	88220	137.56	ng	97
25) C222	Bromochloromethane	4.63	128	23578	25.48	ng	95
27) C060	Chloroform	4.72	83	67514	24.90	ng	97
28) C115	1,1,1-Trichloroethan	4.86	97	51714	23.68	ng	98
29) C120	Carbon tetrachloride	5.01	117	39910	22.57	ng	93
30) C116	1,1-Dichloropropene	5.01	75	54424	25.66	ng	97
32) C165	Benzene	5.21	78	182154	25.70	ng	99
33) C065	1,2-Dichloroethane	5.24	62	58238	24.11	ng	95
34) C110	2-Butanone	4.43	43	124802	137.47	ng	97
35) C256	Cyclohexane	4.89	56	81743	26.41	ng	93
36) C150	Trichloroethene	5.82	95	40249	24.90	ng	96
37) C140	1,2-Dichloropropane	6.04	63	45845	24.66	ng	100
38) C278	Dibromomethane	6.16	93	24078	25.57	ng	88

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\G\DATA\080808\G8176.D Vial: 4
Acq On : 8 Aug 2008 16:59 Operator: LH
Sample : VSTD005 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 18:59:55 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\080808\G8178.D (8 Aug 2008 17:45)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
39) C130	Bromodichloromethane	6.32	83	42739	21.95	ng		96
40) C161	2-Chloroethylvinyl E	6.60	63	156073	126.15	ng		98
41) C012	Methylcyclohexane	5.98	83	77108	27.57	ng		99
42) C145	cis-1,3-Dichloroprop	6.74	75	63506	23.23	ng		98
45) C230	Toluene	7.06	92	106353	25.22	ng		91
46) C170	trans-1,3-Dichloropr	7.31	75	56727	23.08	ng		90
47) C284	Ethyl Methacrylate	7.37	69	51748	23.83	ng	#	98
48) C160	1,1,2-Trichloroethan	7.49	83	29406	24.99	ng		95
49) C210	4-Methyl-2-pentanone	6.88	43	260451	135.75	ng		96
50) C220	Tetrachloroethene	7.60	166	40690	25.23	ng		96
51) C221	1,3-Dichloropropane	7.65	76	64249	24.90	ng		97
52) C155	Dibromochloromethane	7.89	129	31154	21.18	ng		97
53) C163	1,2-Dibromoethane	7.99	107	36224	25.33	ng		96
54) C215	2-Hexanone	7.73	43	165686	128.50	ng		97
55) C235	Chlorobenzene	8.49	112	115353	25.07	ng		96
56) C281	1,1,1,2-Tetrachloroe	8.59	131	32536	22.32	ng		93
57) C240	Ethylbenzene	8.60	91	187178	24.99	ng		100
58) C246	m,p-Xylene	8.72	106	150727	50.08	ng		96
59) C247	o-Xylene	9.14	106	72340	24.45	ng		99
60) C245	Styrene	9.16	104	123061	24.00	ng		91
61) C180	Bromoform	9.39	173	16108	19.97	ng		98
64) C966	Isopropylbenzene	9.53	105	176659	24.32	ng		99
65) C301	Bromobenzene	9.86	156	44651	24.30	ng		97
66) C225	1,1,2,2-Tetrachloroe	9.88	83	44406	26.38	ng		98
67) C282	1,2,3-Trichloropropa	9.91	110	14663	26.83	ng		100
68) C283	t-1,4-Dichloro-2-But	9.93	51	31625	104.25	ng	#	59
69) C302	n-Propylbenzene	9.96	91	218315	23.95	ng		98
70) C303	2-Chlorotoluene	10.05	126	43629	25.06	ng		100
71) C289	4-Chlorotoluene	10.16	126	43764	23.93	ng		100
72) C304	1,3,5-Trimethylbenze	10.13	105	141058	23.71	ng		98
73) C306	tert-Butylbenzene	10.45	134	32015	24.43	ng		100
74) C307	1,2,4-Trimethylbenze	10.51	105	139095	23.97	ng		98
75) C308	sec-Butylbenzene	10.66	105	165642	24.27	ng		100
76) C260	1,3-Dichlorobenzene	10.79	146	78442	24.05	ng		97
77) C309	4-Isopropyltoluene	10.80	119	144842	24.11	ng		97
78) C267	1,4-Dichlorobenzene	10.87	146	78939	23.69	ng		99
79) C249	1,2-Dichlorobenzene	11.22	146	73616	24.19	ng		98
80) C310	n-Butylbenzene	11.18	91	122191	23.22	ng		100
81) C286	1,2-Dibromo-3-Chloro	11.92	75	5762	22.71	ng		82
82) C313	1,2,4-Trichlorobenze	12.62	180	42834	23.44	ng		94
83) C316	Hexachlorobutadiene	12.76	225	17452	27.16	ng		98
84) C314	Naphthalene	12.83	128	124428	25.65	ng		96
85) C934	1,2,3-Trichlorobenze	13.04	180	40659	25.67	ng		97

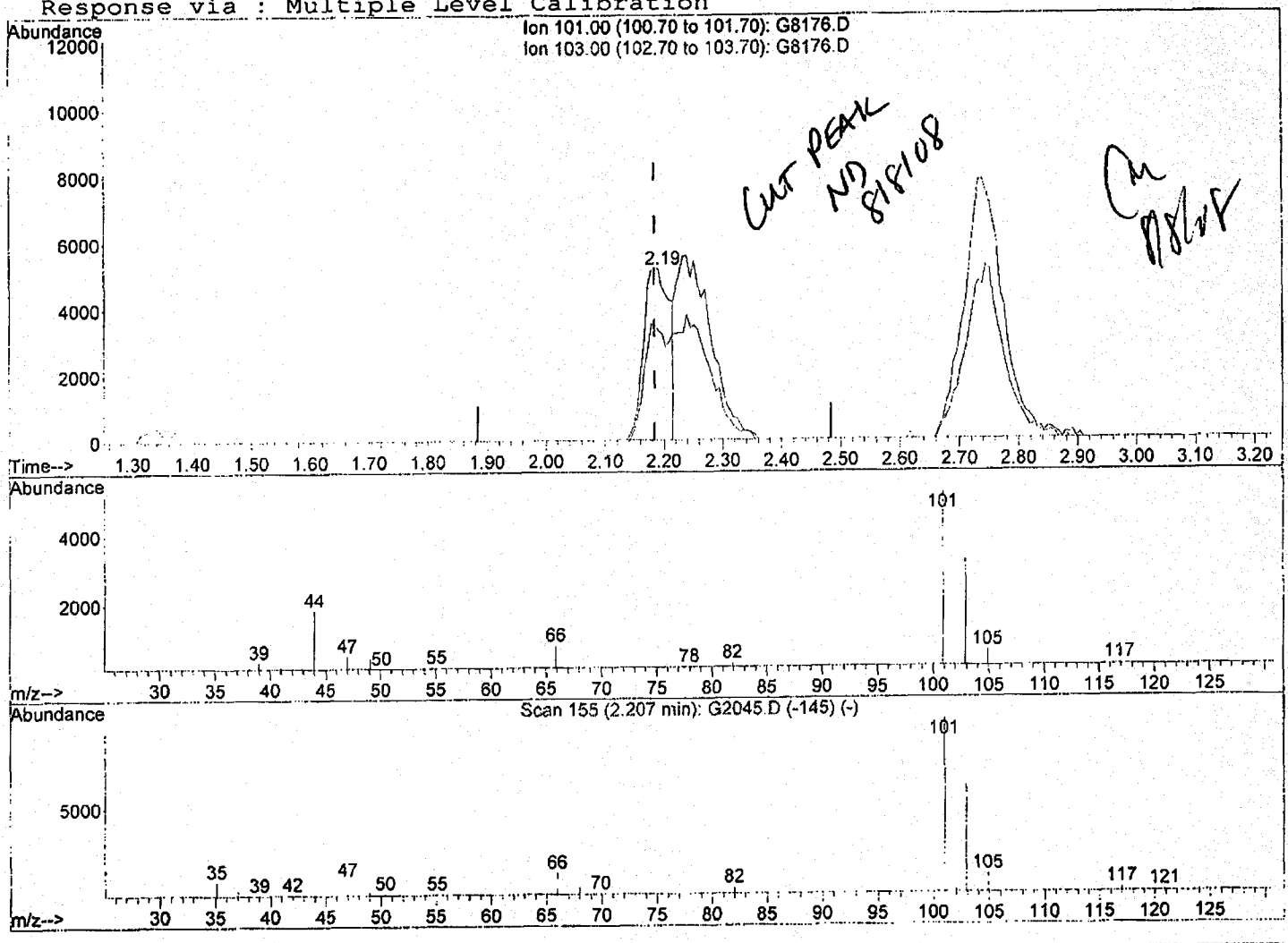
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data File : D:\MSDChem\G\Data\080808\G8176.D
Acq On : 8 Aug 2008 16:59
Sample : VSTD005
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 08 18:59:31 2008

Vial: 4
Operator: LH
Inst : HP5973G
Multiplr: 1.00

Method : D:\MSDCHEM\G\MET...000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Multiple Level Calibration



TIC: G8176.D

(7) C275 Trichlorofluoromethane (T)

2.19min (+0.006) 10.66ng

response 16163

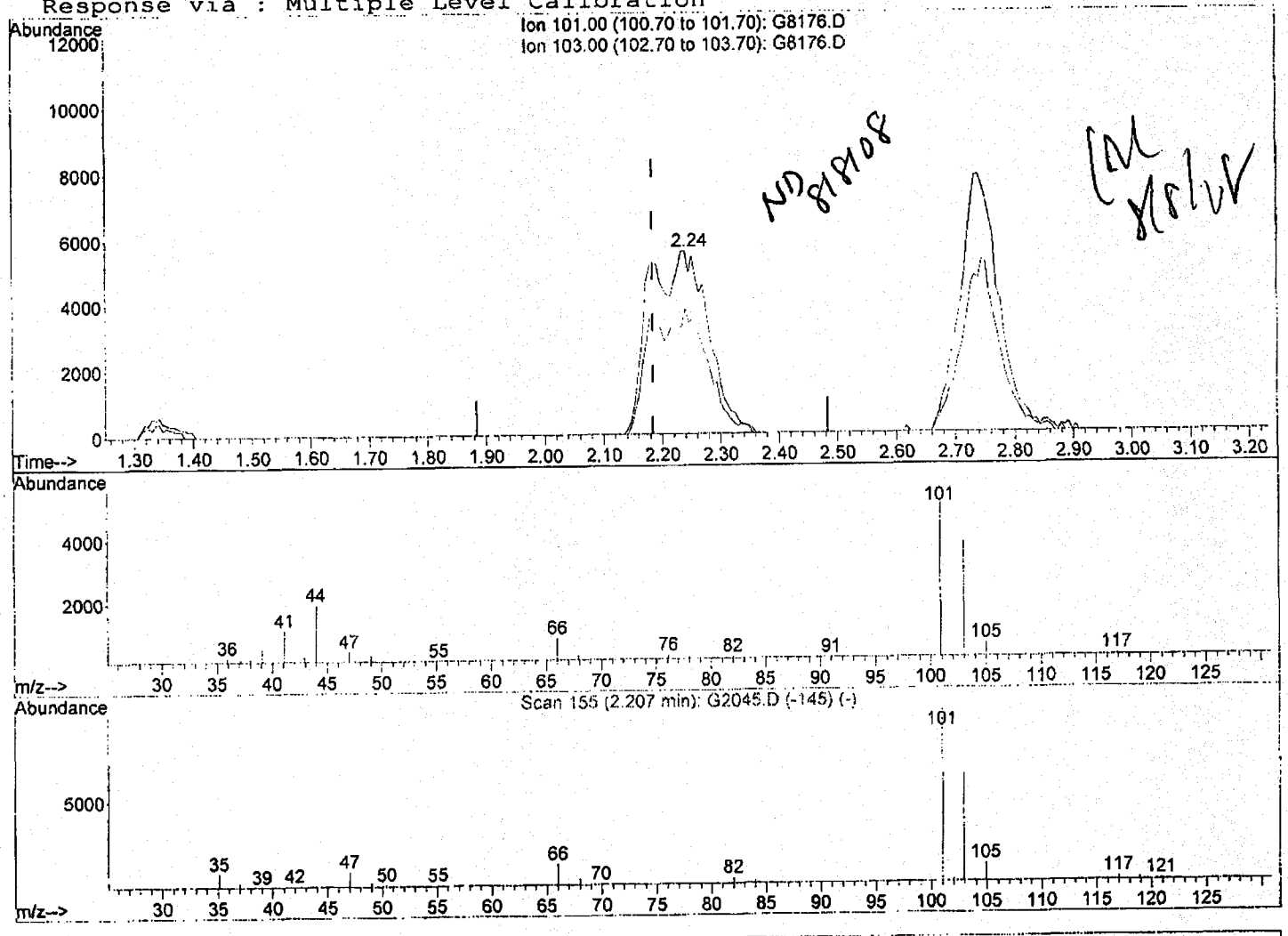
Ion	Exp%	Act%
101.00	100	100
103.00	64.90	63.83
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDChem\G\Data\080808\G8176.D
Acq On : 8 Aug 2008 16:59
Sample : VSTD005
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 08 18:59:31 2008

Vial: 4
Operator: LH
Inst : HP5973G
Multiplr: 1.00

Method : D:\MSDCHEM\G\MET...000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Multiple Level Calibration



TIC: G8176.D

(7) C275 Trichlorofluoromethane (T)

2.24min (+0.055) 25.63ng m

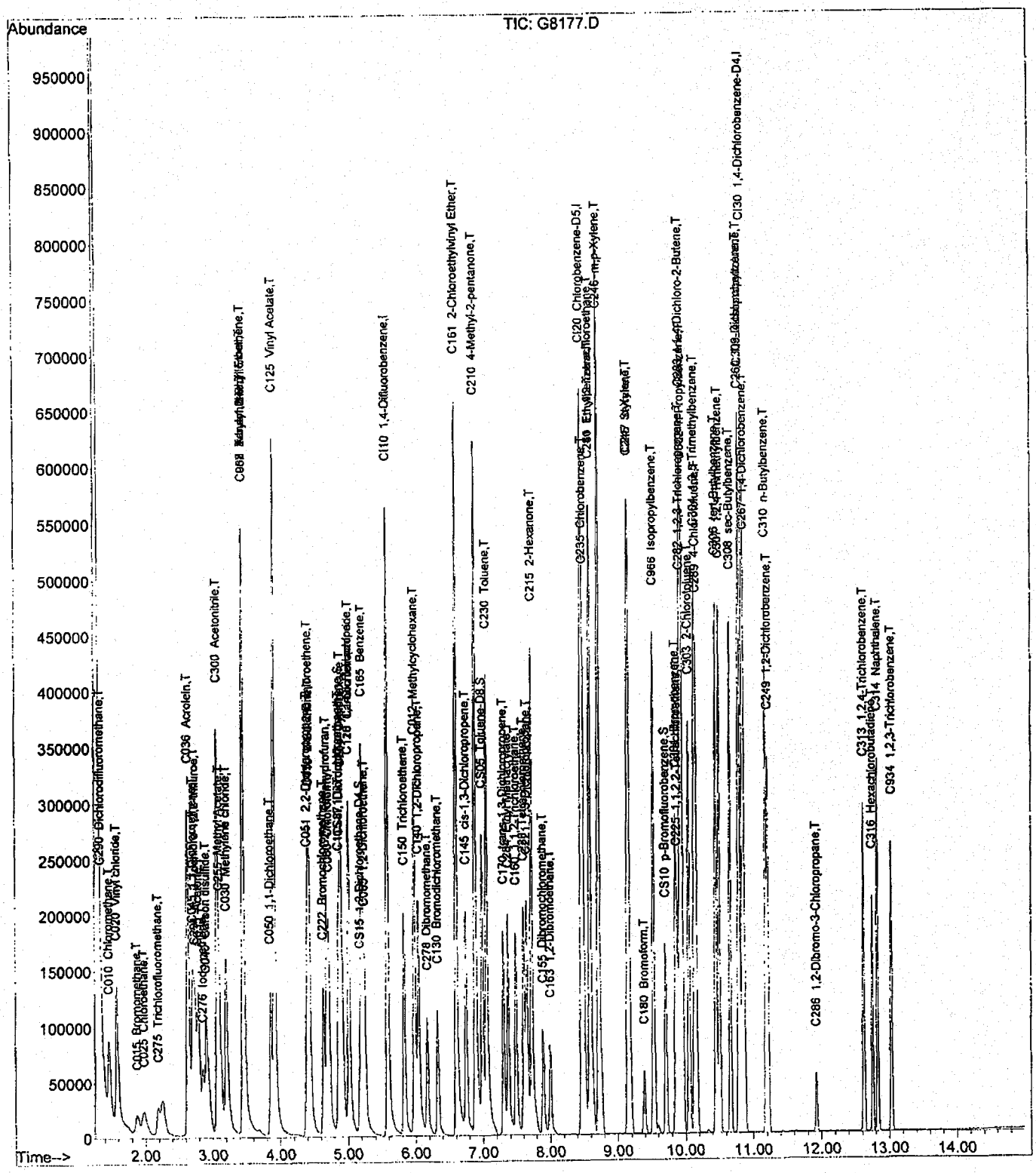
response 38877

Ion	Exp%	Act%
101.00	100	100
103.00	64.90	67.77
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\G\DATA\080808\G8177.D Vial: 5
Acq On : 8 Aug 2008 17:22 Operator: LH
Sample : VSTD010 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 08 19:00:55 2008 Results File: A8I0000...THPT.RES
Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\G\DATA\080808\G8177.D Vial: 5
Acq On : 8 Aug 2008 17:22 Operator: LH
Sample : VSTD010 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 19:00:55 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\080808\G8178.D (8 Aug 2008 17:45)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.58	114	585229	125.00	ng	0.00 99.85%
43) CI20	Chlorobenzene-D5	8.46	82	254381	125.00	ng	0.00 99.77%
63) CI30	1,4-Dichlorobenzene-	10.85	152	210043	125.00	ng	0.00 94.83%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.87	111	52891	44.20	NG	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery	=	35.36%#	
31) CS15	1,2-Dichloroethane-D	5.18	65	61621	44.25	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery	=	35.40%#	
44) CS05	Toluene-D8	6.99	98	225697	45.54	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery	=	36.43%#	
62) CS10	p-Bromofluorobenzene	9.71	174	59073	44.12	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery	=	35.30%#	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.34	85	56389	55.61	ng	# 100
3) C010	Chloromethane	1.46	50	101746	45.54	ng	100
4) C020	Vinyl chloride	1.58	62	101556	53.15	ng	91
5) C015	Bromomethane	1.88	94	20840	35.36	ng	80
6) C025	Chloroethane	1.97	64	34915	43.68	ng	91
7) C275	Trichlorofluorometha	2.18	101	78505m	50.37	ng	96
8) C045	1,1-Dichloroethene	2.70	96	77298	50.04	ng	97
9) C030	Methylene chloride	3.20	84	103506	44.02	ng	96
10) C040	Carbon disulfide	2.91	76	248659	52.68	ng	100
11) C036	Acrolein	2.64	56	377342	1080.21	ng	96
12) C038	Acrylonitrile	3.45	53	209804	273.62	ng	92
13) C035	Acetone	2.79	43	159020	262.16	ng	96
14) C300	Acetonitrile	3.07	41	577485	2192.35	ng	99
15) C276	Iodomethane	2.85	142	129388	50.71	ng	86
16) C291	1,1,2-Trichloro-1,2,	2.74	101	74616	58.22	ng	95
17) C962	T-butyl Methyl Ether	3.45	73	240236	47.12	ng	92
18) C057	trans-1,2-Dichloroet	3.45	96	90158	49.26	ng	95
19) C255	Methyl Acetate	3.10	43	109342	38.59	ng	99
20) C050	1,1-Dichloroethane	3.85	63	162758	48.59	ng	98
21) C125	Vinyl Acetate	3.91	43	1126612	289.61	ng	99
22) C051	2,2-Dichloropropane	4.39	77	96298	43.95	ng	95
23) C056	cis-1,2-Dichloroethe	4.41	96	96536	48.99	ng	93
24) C272	Tetrahydrofuran	4.68	42	177757	269.78	ng	99
25) C222	Bromochloromethane	4.64	128	46882	49.31	ng	95
27) C060	Chloroform	4.72	83	132753	47.66	ng	100
28) C115	1,1,1-Trichloroethan	4.86	97	106033	47.25	ng	96
29) C120	Carbon tetrachloride	5.01	117	82593	45.47	ng	97
30) C116	1,1-Dichloropropene	5.01	75	110424	50.66	ng	97
32) C165	Benzene	5.21	78	364738	50.08	ng	99
33) C065	1,2-Dichloroethane	5.24	62	117973	47.53	ng	95
34) C110	2-Butanone	4.43	43	252560	270.77	ng	96
35) C256	Cyclohexane	4.90	56	175542	55.20	ng	93
36) C150	Trichloroethene	5.82	95	82881	49.90	ng	100
37) C140	1,2-Dichloropropane	6.04	63	92533	48.45	ng	98
38) C278	Dibromomethane	6.17	93	49231	50.88	ng	93

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\G\DATA\080808\G8177.D Vial: 5
Acq On : 8 Aug 2008 17:22 Operator: LH
Sample : VSTD010 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 19:00:55 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\080808\G8178.D (8 Aug 2008 17:45)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
39) C130	Bromodichloromethane	6.32	83	90865	45.42	ng		98
40) C161	2-Chloroethylvinyl E	6.60	63	342764	269.65	ng		98
41) C012	Methylcyclohexane	5.98	83	160717	55.93	ng		97
42) C145	cis-1,3-Dichloroprop	6.74	75	133875	47.67	ng		98
45) C230	Toluene	7.05	92	220044	50.16	ng		92
46) C170	trans-1,3-Dichloropr	7.30	75	120502	47.13	ng		90
47) C284	Ethyl Methacrylate	7.37	69	116260	51.49	ng	#	97
48) C160	1,1,2-Trichloroethan	7.49	83	62519	51.09	ng		98
49) C210	4-Methyl-2-pentanone	6.88	43	547892	274.57	ng		98
50) C220	Tetrachloroethene	7.61	166	86618	51.65	ng		96
51) C221	1,3-Dichloropropane	7.65	76	136615	50.90	ng		99
52) C155	Dibromochloromethane	7.89	129	66723	43.62	ng		97
53) C163	1,2-Dibromoethane	8.00	107	76098	51.15	ng		99
54) C215	2-Hexanone	7.73	43	363313	270.92	ng		96
55) C235	Chlorobenzene	8.49	112	238631	49.86	ng		96
56) C281	1,1,1,2-Tetrachloroe	8.59	131	68426	45.13	ng		95
57) C240	Ethylbenzene	8.60	91	388116	49.83	ng		98
58) C246	m,p-Xylene	8.72	106	314076	100.33	ng		95
59) C247	o-Xylene	9.15	106	150711	48.98	ng		93
60) C245	Styrene	9.16	104	256621	48.12	ng		93
61) C180	Bromoform	9.39	173	35716	42.57	ng		98
64) C966	Isopropylbenzene	9.53	105	362950	48.46	ng		97
65) C301	Bromobenzene	9.86	156	91229	48.16	ng		99
66) C225	1,1,2,2-Tetrachloroe	9.88	83	88547	51.03	ng		100
67) C282	1,2,3-Trichloropropa	9.91	110	29493	52.35	ng		100
68) C283	t-1,4-Dichloro-2-But	9.93	51	65830	210.49	ng	#	66
69) C302	n-Propylbenzene	9.96	91	446401	47.51	ng		98
70) C303	2-Chlorotoluene	10.05	126	87372	48.67	ng		100
71) C289	4-Chlorotoluene	10.16	126	89721	47.58	ng		100
72) C304	1,3,5-Trimethylbenze	10.13	105	291574	47.54	ng		100
73) C306	tert-Butylbenzene	10.45	134	67386	49.89	ng		99
74) C307	1,2,4-Trimethylbenze	10.50	105	286129	47.82	ng		99
75) C308	sec-Butylbenzene	10.66	105	347775	49.43	ng		97
76) C260	1,3-Dichlorobenzene	10.79	146	160134	47.61	ng		97
77) C309	4-Isopropyltoluene	10.80	119	301751	48.73	ng		96
78) C267	1,4-Dichlorobenzene	10.87	146	162243	47.24	ng		99
79) C249	1,2-Dichlorobenzene	11.22	146	149731	47.73	ng		100
80) C310	n-Butylbenzene	11.18	91	262061	48.31	ng		99
81) C286	1,2-Dibromo-3-Chloro	11.93	75	12045	46.05	ng		97
82) C313	1,2,4-Trichlorobenze	12.62	180	90127	47.84	ng		95
83) C316	Hexachlorobutadiene	12.76	225	36207	54.65	ng		94
84) C314	Naphthalene	12.83	128	264060	52.80	ng		97
85) C934	1,2,3-Trichlorobenze	13.04	180	84690	51.86	ng		99

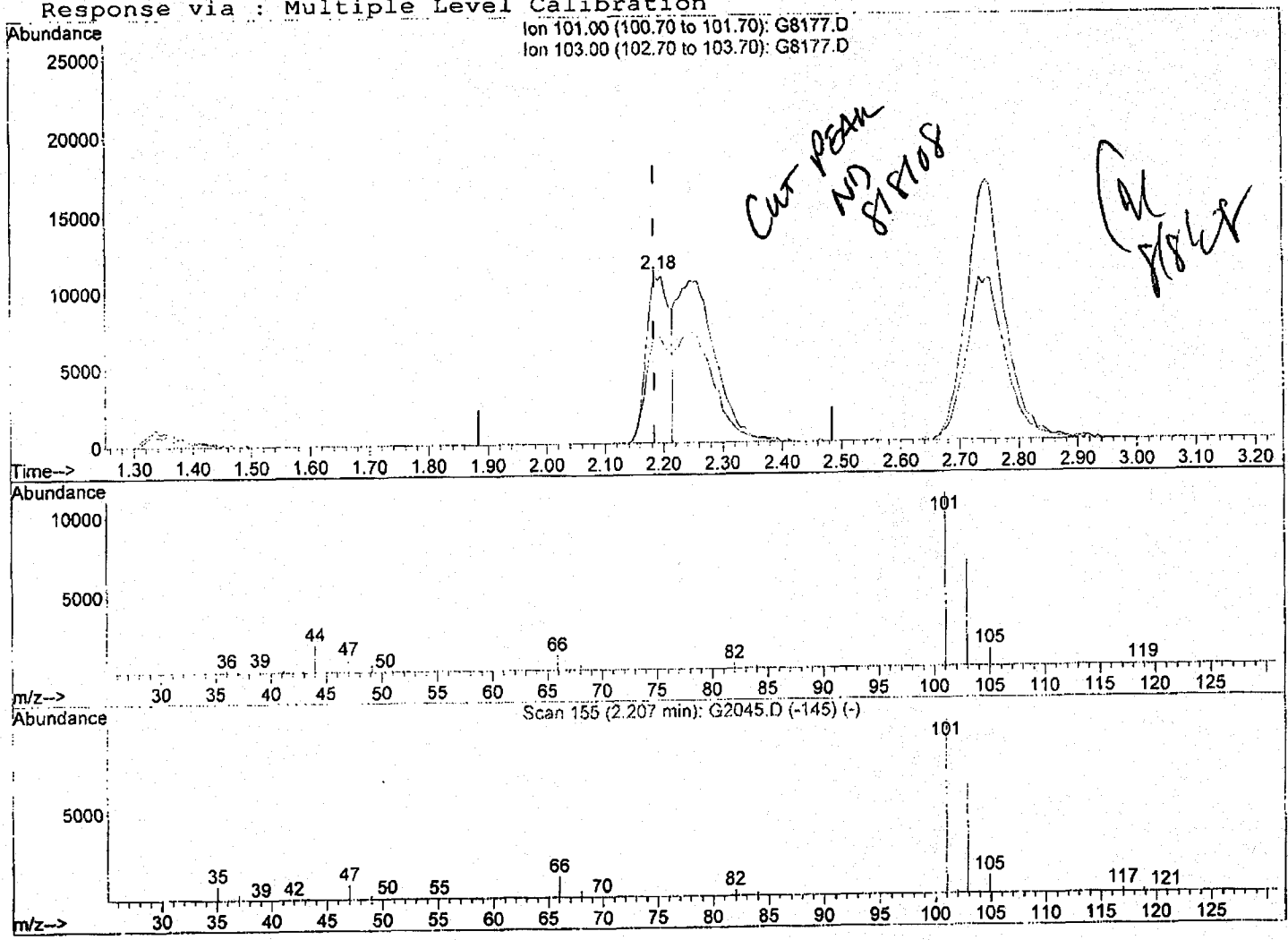
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data File : D:\MSDChem\G\Data\080808\G8177.D
Acq On : 8 Aug 2008 17:22
Sample : VSTD010
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 08 19:00:29 2008

Vial: 5
Operator: LH
Inst : HP5973G
Multiplr: 1.00

Method : D:\MSDCHEM\G\MET...000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Multiple Level Calibration



TIC: G8177.D

(7) C275 Trichlorofluoromethane (T)

2.18min (-0.000) 19.60ng

response 30542

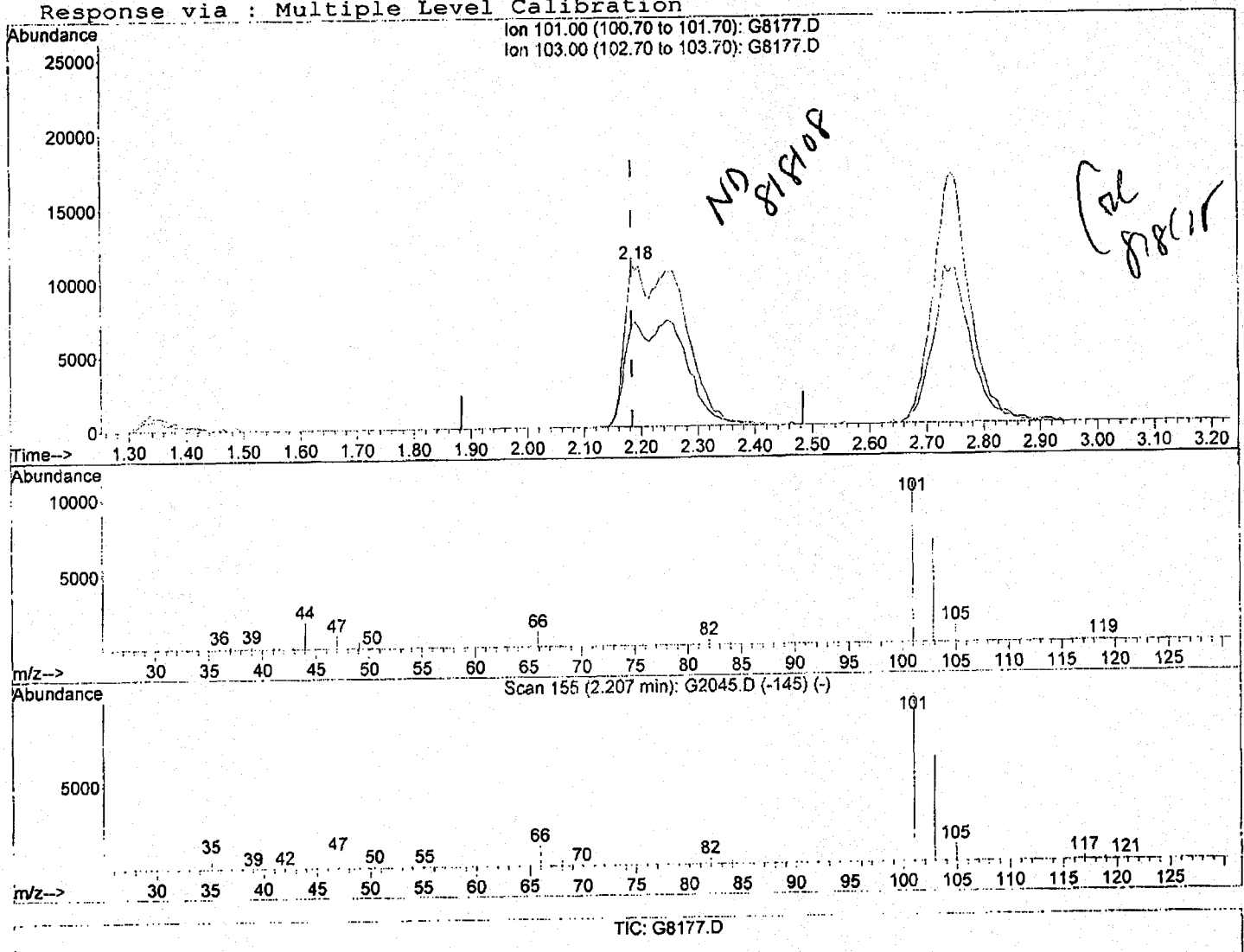
Ion	Exp%	Act%
101.00	100	100
103.00	64.90	61.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDChem\G\Data\080808\G8177.D
Acq On : 8 Aug 2008 17:22
Sample : VSTD010
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 08 19:00:29 2008

Vial: 5
Operator: LH
Inst : HP5973G
Multiplr: 1.00

Method : D:\MSDCHEM\G\MET...000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Multiple Level Calibration



TIC: G8177.D

(7) C275 Trichlorofluoromethane (T)

2.18min (-0.000) 50.37ng m

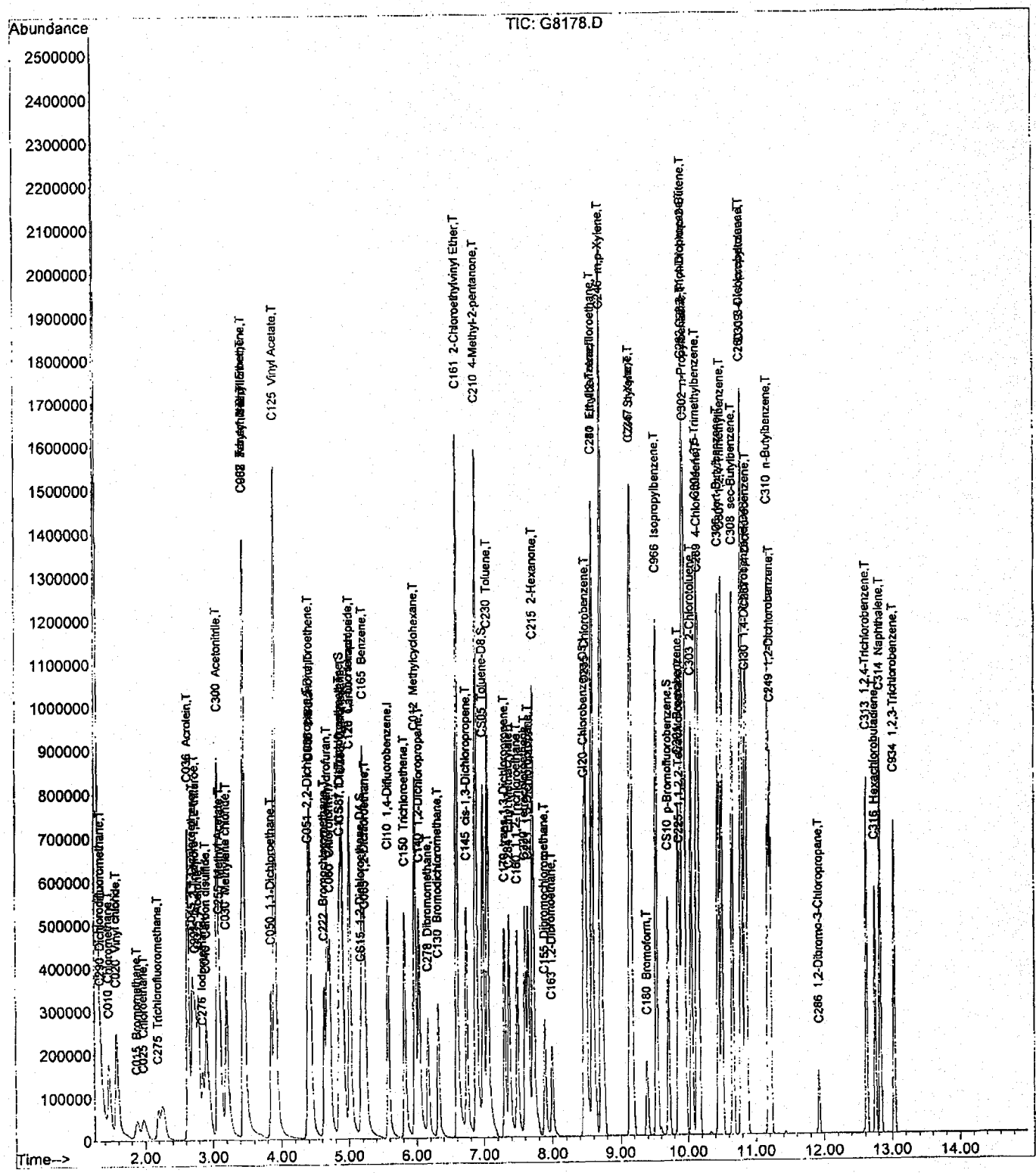
response 78505

Ion	Exp%	Act%
101.00	100	100
103.00	64.90	61.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\G\DATA\080808\G8178.D Vial: 6
Acq On : 8 Aug 2008 17:45 Operator: LH
Sample : VSTD025 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 08 18:57:42 2008 Results File: A8I0000...THPT.RES
Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:56:48 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\G\DATA\080808\G8178.D Vial: 6
Acq On : 8 Aug 2008 17:45 Operator: LH
Sample : VSTD025 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 18:57:42 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:56:48 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\080808\G8178.D (8 Aug 2008 17:45)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.58	114	586114	125.00	ng	0.00 100.00%
43) CI20	Chlorobenzene-D5	8.46	82	254975	125.00	ng	0.00 100.00%
63) CI30	1,4-Dichlorobenzene-	10.85	152	221489	125.00	ng	0.00 100.00%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.87	111	161134	134.45	NG	0.00
Spiked Amount	125.000 Range	70 - 130		Recovery =	107.56%		
31) CS15	1,2-Dichloroethane-D	5.17	65	181279	129.98	ng	0.00
Spiked Amount	125.000 Range	66 - 137		Recovery =	103.98%		
44) CS05	Toluene-D8	6.99	98	697706	140.45	ng	0.00
Spiked Amount	125.000 Range	71 - 126		Recovery =	112.36%		
62) CS10	p-Bromofluorobenzene	9.71	174	185394	138.15	ng	0.00
Spiked Amount	125.000 Range	73 - 120		Recovery =	110.52%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.34	85	149707	147.42	ng	# 100
3) C010	Chloromethane	1.46	50	258478	115.51	ng	97
4) C020	Vinyl chloride	1.58	62	261803	136.80	ng	87
5) C015	Bromomethane	1.88	94	58721	99.50	ng	85
6) C025	Chloroethane	1.98	64	90827	113.45	ng	88
7) C275	Trichlorofluorometha	2.18	101	214132m	137.18	ng	100
8) C045	1,1-Dichloroethene	2.70	96	204597	132.24	ng	90
9) C030	Methylene chloride	3.20	84	248650	105.59	ng	94
10) C040	Carbon disulfide	2.90	76	648032	137.09	ng	98
11) C036	Acrolein	2.63	56	924443	2642.39	ng	96
12) C038	Acrylonitrile	3.45	53	517712	674.17	ng	93
13) C035	Acetone	2.79	43	392247	645.69	ng	100
14) C300	Acetonitrile	3.07	41	1395791	5290.94	ng	99
15) C276	Iodomethane	2.85	142	331712	129.81	ng	86
16) C291	1,1,2-Trichloro-1,2,	2.74	101	192876	150.27	ng	94
17) C962	T-butyl Methyl Ether	3.45	73	617342	120.91	ng	90
18) C057	trans-1,2-Dichloroet	3.45	96	235149	128.28	ng	97
19) C255	Methyl Acetate	3.10	43	269148	94.84	ng	99
20) C050	1,1-Dichloroethane	3.85	63	420355	125.30	ng	98
21) C125	Vinyl Acetate	3.91	43	2836708	728.10	ng	98
22) C051	2,2-Dichloropropane	4.39	77	255319	116.34	ng	97
23) C056	cis-1,2-Dichloroethe	4.41	96	253126	128.27	ng	94
24) C272	Tetrahydrofuran	4.68	42	436128	660.90	ng	98
25) C222	Bromochloromethane	4.63	128	125694	132.01	ng	96
27) C060	Chloroform	4.72	83	345768	123.95	ng	100
28) C115	1,1,1-Trichloroethan	4.86	97	281415	125.23	ng	96
29) C120	Carbon tetrachloride	5.01	117	226766	124.65	ng	94
30) C116	1,1-Dichloropropene	5.01	75	287663	131.78	ng	95
32) C165	Benzene	5.21	78	939574	128.81	ng	100
33) C065	1,2-Dichloroethane	5.24	62	301963	121.47	ng	96
34) C110	2-Butanone	4.43	43	615870	659.27	ng	95
35) C256	Cyclohexane	4.90	56	449379	141.10	ng	94
36) C150	Trichloroethene	5.82	95	210896	126.78	ng	97
37) C140	1,2-Dichloropropane	6.04	63	236336	123.56	ng	99
38) C278	Dibromomethane	6.17	93	125566	129.59	ng	95

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\G\DATA\080808\G8178.D
Acq On : 8 Aug 2008 17:45
Sample : VSTD025
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 08 18:57:42 2008

Vial: 6
Operator: LH
Inst : HP5973G
Multiplr: 1.00
Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:56:48 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\080808\G8178.D (8 Aug 2008 17:45)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
39) C130	Bromodichloromethane	6.32	83	242213	120.89	ng		98
40) C161	2-Chloroethylvinyl E	6.60	63	851180	668.60	ng		97
41) C012	Methylcyclohexane	5.98	83	427562	148.57	ng		97
42) C145	cis-1,3-Dichloroprop	6.74	75	351301	124.91	ng		98
45) C230	Toluene	7.06	92	574323	130.62	ng		94
46) C170	trans-1,3-Dichloropr	7.31	75	321640	125.51	ng		91
47) C284	Ethyl Methacrylate	7.37	69	296996	131.22	ng	#	98
48) C160	1,1,2-Trichloroethan	7.49	83	161472	131.64	ng		100
49) C210	4-Methyl-2-pentanone	6.88	43	1347884	673.90	ng		97
50) C220	Tetrachloroethene	7.61	166	227656	135.43	ng		96
51) C221	1,3-Dichloropropane	7.65	76	353429	131.37	ng		97
52) C155	Dibromochloromethane	7.89	129	187877	122.55	ng		99
53) C163	1,2-Dibromoethane	7.99	107	195859	131.35	ng		98
54) C215	2-Hexanone	7.73	43	867192	645.16	ng		95
55) C235	Chlorobenzene	8.49	112	613685	127.92	ng		97
56) C281	1,1,1,2-Tetrachloroe	8.59	131	186772	122.90	ng		96
57) C240	Ethylbenzene	8.60	91	998823	127.94	ng		98
58) C246	m,p-Xylene	8.72	106	819312	261.12	ng		95
59) C247	o-Xylene	9.15	106	395445	128.23	ng		95
60) C245	Styrene	9.16	104	685229	128.20	ng		92
61) C180	Bromoform	9.39	173	104565	124.34	ng		97
64) C966	Isopropylbenzene	9.53	105	963813	122.05	ng		99
65) C301	Bromobenzene	9.86	156	245798	123.05	ng		98
66) C225	1,1,2,2-Tetrachloroe	9.88	83	241859	132.17	ng		99
67) C282	1,2,3-Trichloropropa	9.92	110	76826	129.32	ng		100
68) C283	t-1,4-Dichloro-2-But	9.93	51	183278	555.74	ng	#	72
69) C302	n-Propylbenzene	9.96	91	1200005	121.10	ng		99
70) C303	2-Chlorotoluene	10.05	126	231992	122.56	ng		100
71) C289	4-Chlorotoluene	10.16	126	244901	123.16	ng		100
72) C304	1,3,5-Trimethylbenze	10.13	105	787440	121.76	ng		100
73) C306	tert-Butylbenzene	10.45	134	180841	126.96	ng		95
74) C307	1,2,4-Trimethylbenze	10.50	105	780381	123.68	ng		99
75) C308	sec-Butylbenzene	10.66	105	950372	128.11	ng		97
76) C260	1,3-Dichlorobenzene	10.79	146	443333	125.01	ng		97
77) C309	4-Isopropyltoluene	10.80	119	832805	127.53	ng		98
78) C267	1,4-Dichlorobenzene	10.87	146	447112	123.45	ng		99
79) C249	1,2-Dichlorobenzene	11.22	146	410615	124.13	ng		98
80) C310	n-Butylbenzene	11.18	91	733859	128.28	ng		98
81) C286	1,2-Dibromo-3-Chloro	11.92	75	33811	122.57	ng		89
82) C313	1,2,4-Trichlorobenze	12.62	180	249099	125.39	ng		97
83) C316	Hexachlorobutadiene	12.76	225	99156	141.93	ng		93
84) C314	Naphthalene	12.83	128	712370	135.08	ng		98
85) C934	1,2,3-Trichlorobenze	13.03	180	229178	133.09	ng		100

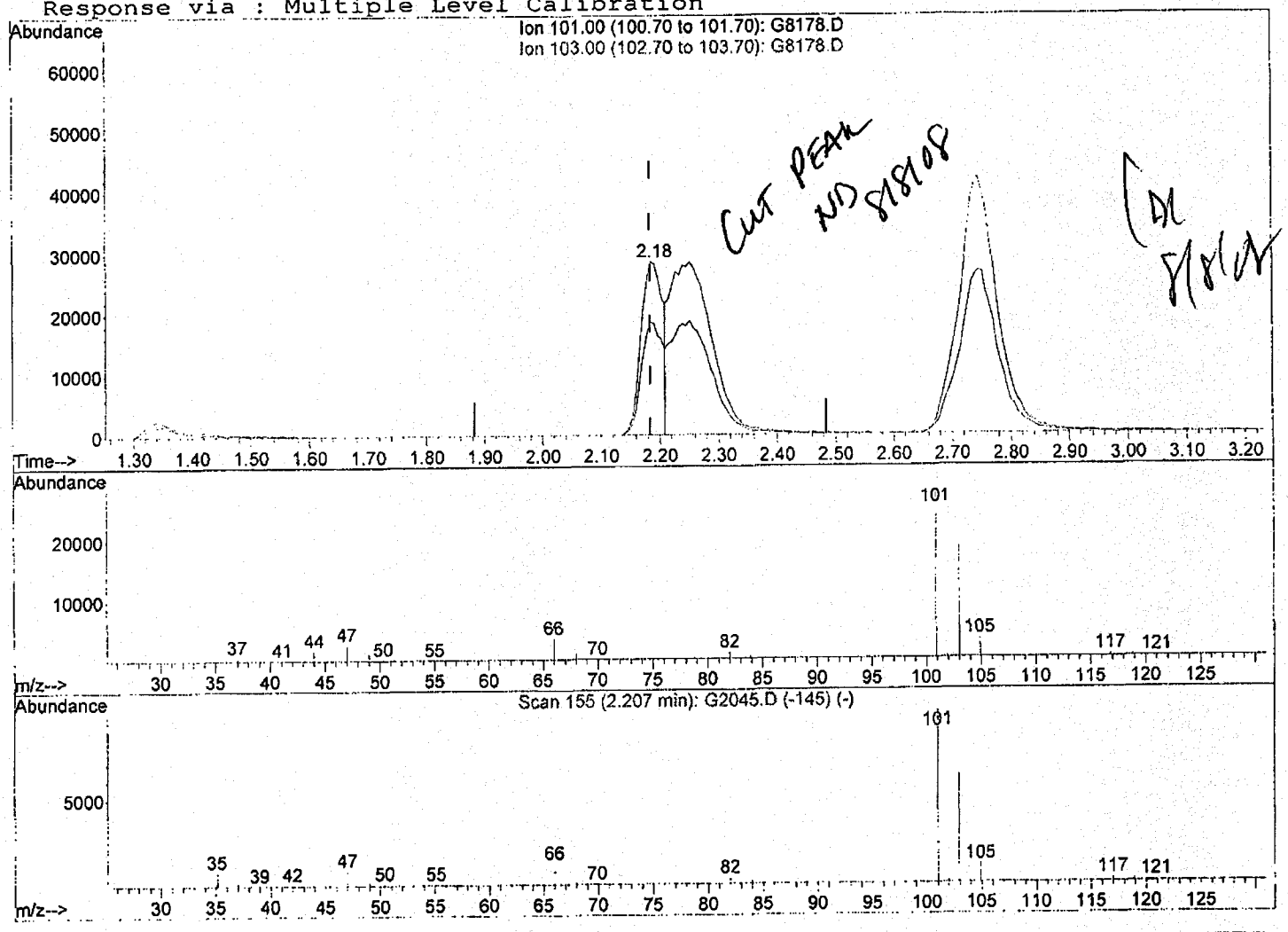
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data File : D:\MSDChem\G\Data\080808\G8178.D
Acq On : 8 Aug 2008 17:45
Sample : VSTD025
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 08 18:57:03 2008

Vial: 6
Operator: LH
Inst : HP5973G
Multiplr: 1.00

Method : D:\MSDCHEM\G\MET...000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:56:48 2008
Response via : Multiple Level Calibration



TIC: G8178.D

(7) C275 Trichlorofluoromethane (T)

2.18min (0.000) 46.75ng

response 72969

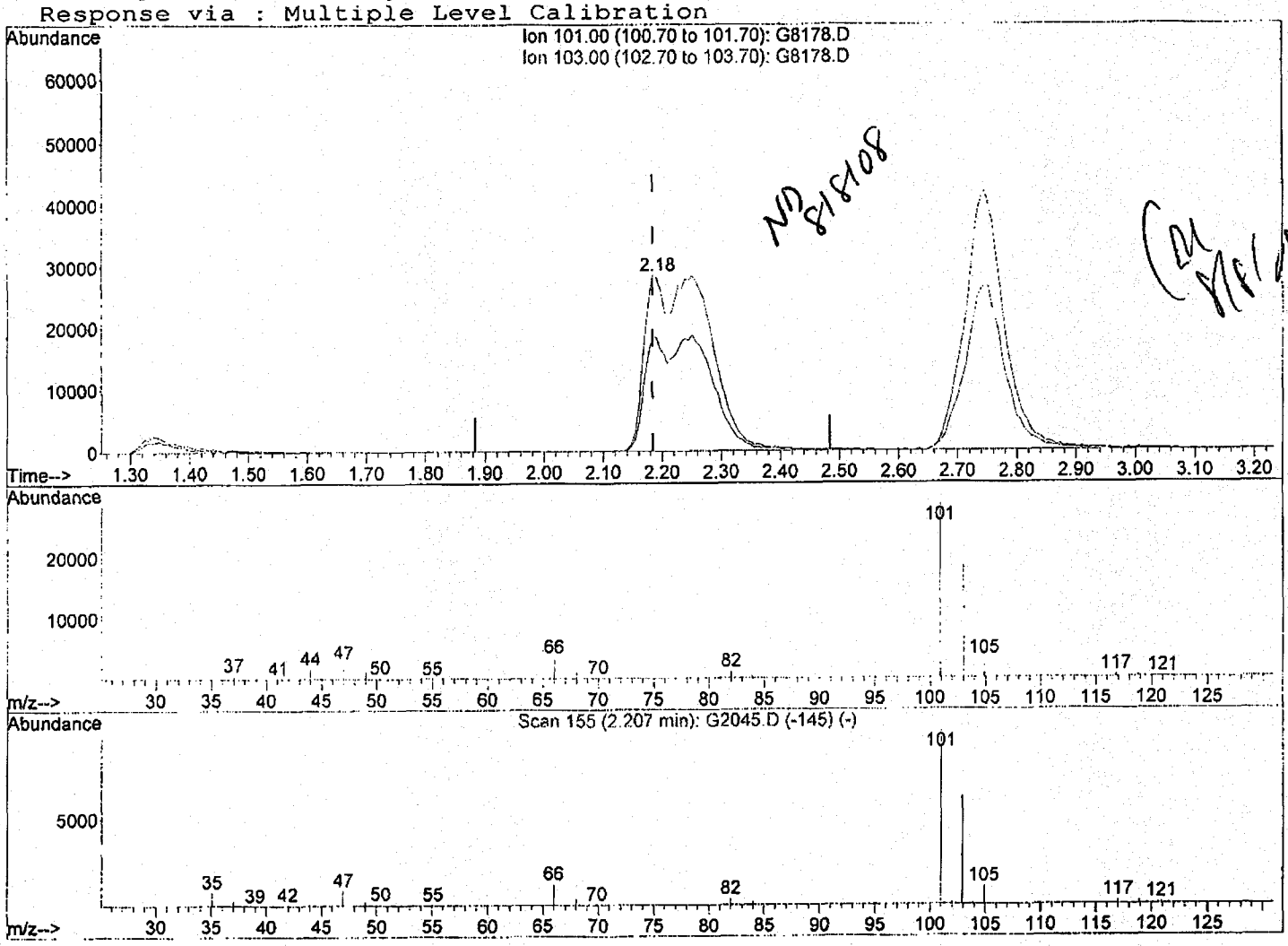
Ion	Exp%	Act%
101.00	100	100
103.00	64.90	64.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDChem\G\Data\080808\G8178.D
Acq On : 8 Aug 2008 17:45
Sample : VSTD025
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 08 18:57:03 2008

Vial: 6
Operator: LH
Inst : HP5973G
Multiplr: 1.00

Method : D:\MSDCHEM\G\MET...000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:56:48 2008
Response via : Multiple Level Calibration



TIC: G8178.D

(7) C275 Trichlorofluoromethane (T)

2.18min (0.000) 137.18ng m

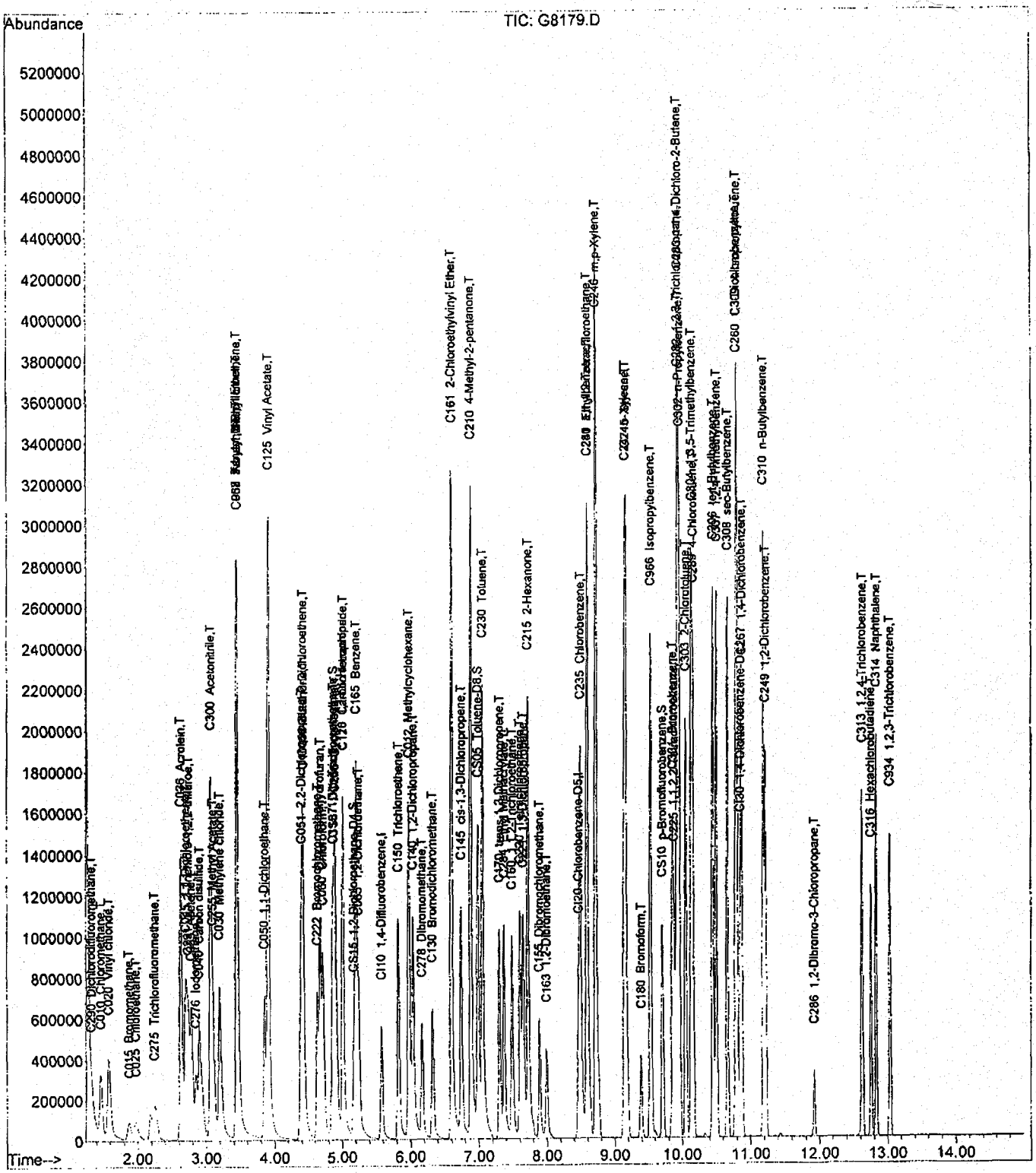
response 214132

Ion	Exp%	Act%
101.00	100	100
103.00	64.90	64.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\G\DATA\080808\G8179.D Vial: 7
Acq On : 8 Aug 2008 18:09 Operator: LH
Sample : VSTD050 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 08 19:01:48 2008 Results File: A8I0000...THPT.RES
Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\G\DATA\080808\G8179.D Vial: 7
Acq On : 8 Aug 2008 18:09 Operator: LH
Sample : VSTD050 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 19:01:48 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\080808\G8178.D (8 Aug 2008 17:45)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.58	114	583134	125.00	ng	0.00 99.49%
43) CI20	Chlorobenzene-D5	8.46	82	261344	125.00	ng	0.00 102.50%
63) CI30	1,4-Dichlorobenzene-	10.85	152	229818	125.00	ng	0.00 103.76%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.87	111	310814	260.68	NG	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery	=	208.54%#	
31) CS15	1,2-Dichloroethane-D	5.17	65	345137	248.74	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery	=	198.99%#	
44) CS05	Toluene-D8	6.99	98	1323267	259.89	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery	=	207.91%#	
62) CS10	p-Bromofluorobenzene	9.71	174	362233	263.34	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery	=	210.67%#	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.34	85	299758	296.68	ng	# 100
3) C010	Chloromethane	1.46	50	513503	230.65	ng	99
4) C020	Vinyl chloride	1.59	62	519562	272.87	ng	86
5) C015	Bromomethane	1.88	94	111571	190.01	ng	85
6) C025	Chloroethane	1.98	64	182954	229.68	ng	92
7) C275	Trichlorofluorometha	2.25	101	437931m	281.99	ng	97
8) C045	1,1-Dichloroethene	2.70	96	437645	284.32	ng	93
9) C030	Methylene chloride	3.20	84	505029	215.55	ng	90
10) C040	Carbon disulfide	2.90	76	1315302	279.66	ng	99
11) C036	Acrolein	2.63	56	1817784	5222.44	ng	96
12) C038	Acrylonitrile	3.45	53	1040310	1361.62	ng	94
13) C035	Acetone	2.79	43	769336	1272.90	ng	98
14) C300	Acetonitrile	3.07	41	2768624	10548.50	ng	99
15) C276	Iodomethane	2.85	142	667171	262.43	ng	86
16) C291	1,1,2-Trichloro-1,2,	2.74	101	394621	309.02	ng	94
17) C962	T-butyl Methyl Ether	3.45	73	1258483	247.75	ng	90
18) C057	trans-1,2-Dichloroet	3.45	96	502283	275.41	ng	96
19) C255	Methyl Acetate	3.10	43	535400	189.63	ng	98
20) C050	1,1-Dichloroethane	3.85	63	877556	262.91	ng	99
21) C125	Vinyl Acetate	3.91	43	5557424	1433.72	ng	97
22) C051	2,2-Dichloropropane	4.39	77	535681	245.34	ng	97
23) C056	cis-1,2-Dichloroethe	4.41	96	526069	267.95	ng	93
24) C272	Tetrahydrofuran	4.68	42	863206	1314.77	ng	97
25) C222	Bromochloromethane	4.63	128	261758	276.31	ng	97
27) C060	Chloroform	4.72	83	717661	258.58	ng	100
28) C115	1,1,1-Trichloroethan	4.86	97	595639	266.41	ng	97
29) C120	Carbon tetrachloride	5.01	117	485628	268.31	ng	97
30) C116	1,1-Dichloropropene	5.01	75	602001	277.19	ng	95
32) C165	Benzene	5.21	78	1921255	264.75	ng	100
33) C065	1,2-Dichloroethane	5.24	62	622044	251.50	ng	94
34) C110	2-Butanone	4.43	43	1230570	1324.03	ng	95
35) C256	Cyclohexane	4.90	56	894143	282.19	ng	94
36) C150	Trichloroethene	5.82	95	442955	267.64	ng	96
37) C140	1,2-Dichloropropane	6.04	63	497730	261.55	ng	99
38) C278	Dibromomethane	6.16	93	255614	265.15	ng	93

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\G\DATA\080808\G8179.D Vial: 7
Acq On : 8 Aug 2008 18:09 Operator: LH
Sample : VSTD050 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 19:01:48 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\080808\G8178.D (8 Aug 2008 17:45)

Internal Standards			R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
39)	C130	Bromodichloromethane	6.32	83	513975	257.83	ng		98
40)	C161	2-Chloroethylvinyl E	6.60	63	1723955	1361.09	ng		97
41)	C012	Methylcyclohexane	5.98	83	857811	299.59	ng		99
42)	C145	cis-1,3-Dichloroprop	6.74	75	731042	261.25	ng		97
45)	C230	Toluene	7.05	92	1200323	266.35	ng		94
46)	C170	trans-1,3-Dichloropr	7.30	75	676248	257.46	ng		89
47)	C284	Ethyl Methacrylate	7.37	69	611623	263.65	ng	#	98
48)	C160	1,1,2-Trichloroethan	7.49	83	334901	266.37	ng		99
49)	C210	4-Methyl-2-pentanone	6.88	43	2683563	1309.01	ng		95
50)	C220	Tetrachloroethene	7.60	166	475796	276.14	ng		97
51)	C221	1,3-Dichloropropane	7.65	76	725296	263.03	ng		98
52)	C155	Dibromochloromethane	7.89	129	409893	260.86	ng		98
53)	C163	1,2-Dibromoethane	7.99	107	407788	266.82	ng		98
54)	C215	2-Hexanone	7.72	43	1762134	1279.01	ng		95
55)	C235	Chlorobenzene	8.49	112	1283396	261.01	ng		97
56)	C281	1,1,1,2-Tetrachloroe	8.59	131	401386	257.68	ng		94
57)	C240	Ethylbenzene	8.60	91	2112505	264.00	ng		97
58)	C246	m,p-Xylene	8.72	106	1731322	538.33	ng		95
59)	C247	o-Xylene	9.15	106	837481	264.94	ng		95
60)	C245	Styrene	9.16	104	1444247	263.62	ng		92
61)	C180	Bromoform	9.39	173	245054	284.29	ng		99
64)	C966	Isopropylbenzene	9.53	105	2033902	248.22	ng		100
65)	C301	Bromobenzene	9.86	156	513989	247.98	ng		97
66)	C225	1,1,2,2-Tetrachloroe	9.88	83	510709	268.98	ng		99
67)	C282	1,2,3-Trichloropropa	9.92	110	161056	261.28	ng		100
68)	C283	t-1,4-Dichloro-2-But	9.93	51	389765	1139.03	ng	#	76
69)	C302	n-Propylbenzene	9.96	91	2538930	246.94	ng		98
70)	C303	2-Chlorotoluene	10.05	126	487151	248.04	ng		100
71)	C289	4-Chlorotoluene	10.16	126	513008	248.64	ng		100
72)	C304	1,3,5-Trimethylbenze	10.13	105	1657953	247.08	ng		100
73)	C306	tert-Butylbenzene	10.45	134	385003	260.50	ng		94
74)	C307	1,2,4-Trimethylbenze	10.51	105	1631647	249.22	ng		98
75)	C308	sec-Butylbenzene	10.66	105	2007196	260.76	ng		98
76)	C260	1,3-Dichlorobenzene	10.79	146	939430	255.30	ng		97
77)	C309	4-Isopropyltoluene	10.80	119	1790652	264.27	ng		96
78)	C267	1,4-Dichlorobenzene	10.87	146	941795	250.60	ng		99
79)	C249	1,2-Dichlorobenzene	11.22	146	875389	255.05	ng		98
80)	C310	n-Butylbenzene	11.18	91	1572231	264.87	ng		99
81)	C286	1,2-Dibromo-3-Chloro	11.92	75	75651	264.32	ng		90
82)	C313	1,2,4-Trichlorobenze	12.62	180	528781	256.53	ng		99
83)	C316	Hexachlorobutadiene	12.76	225	214725	296.21	ng		94
84)	C314	Naphthalene	12.83	128	1500096	274.13	ng		97
85)	C934	1,2,3-Trichlorobenze	13.04	180	482102	269.83	ng		99

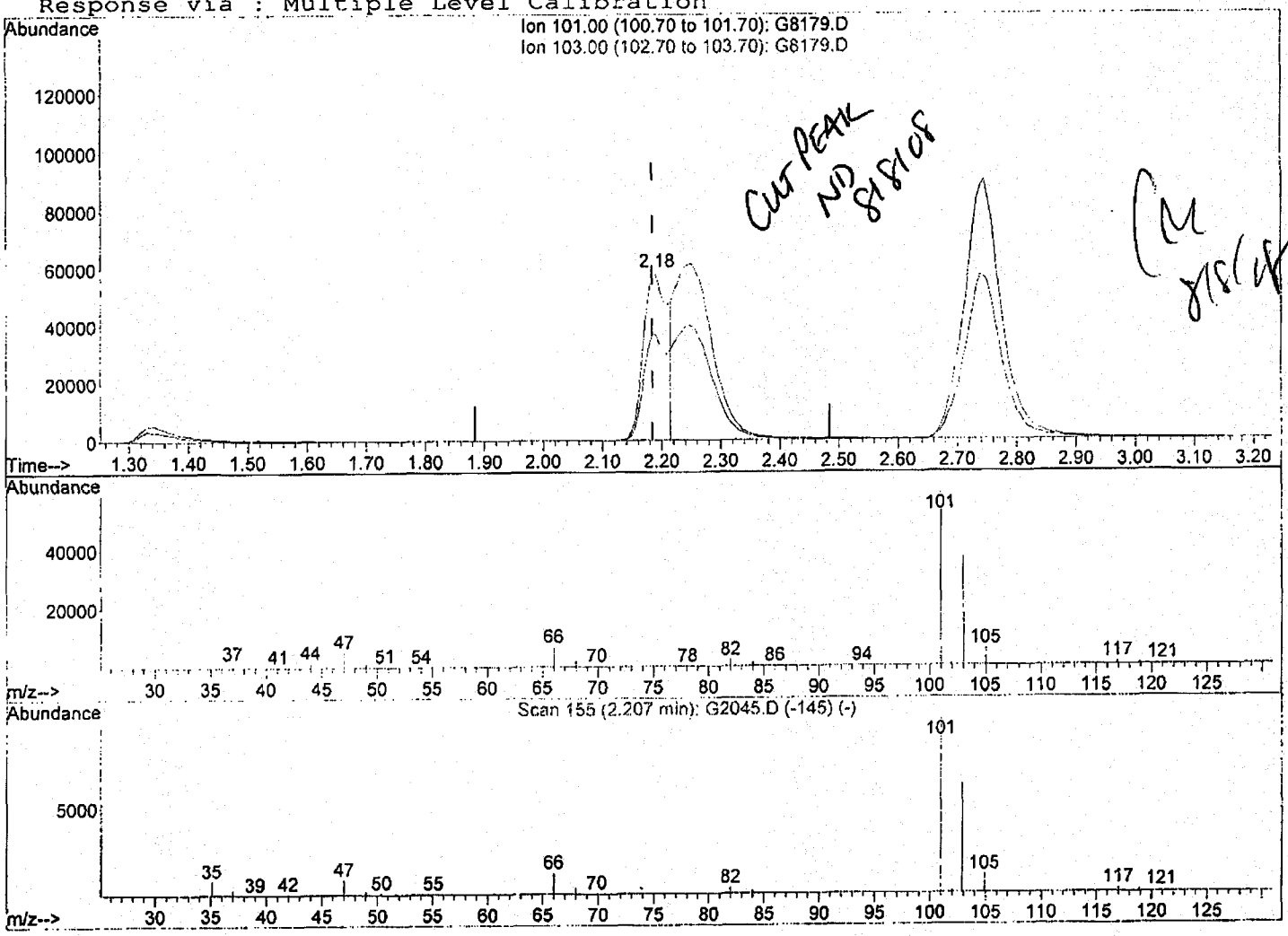
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data File : D:\MSDChem\G\Data\080808\G8179.D
Acq On : 8 Aug 2008 18:09
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 08 19:01:28 2008

Vial: 7
Operator: LH
Inst : HP5973G
Multiplr: 1.00

Method : D:\MSDCHEM\G\MET...000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Multiple Level Calibration



TIC: G8179.D

(7) C275 Trichlorofluoromethane (T)

2.18min (-0.000) 107.54ng

response 167003

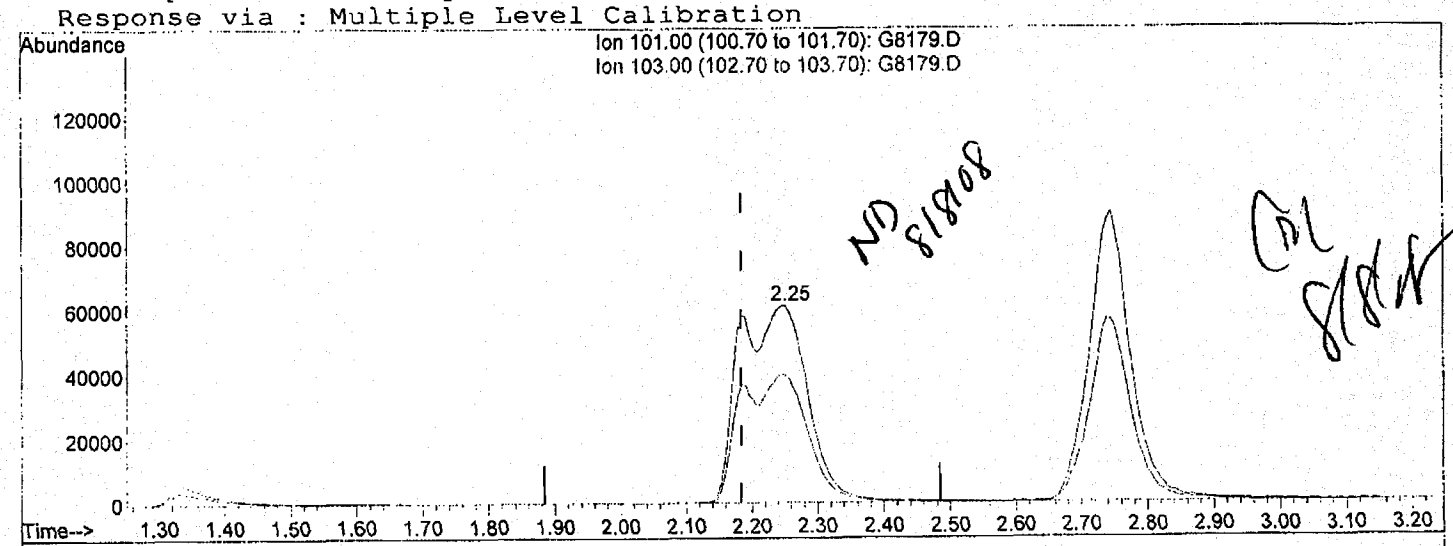
Ion	Exp%	Act%
101.00	100	100
103.00	64.90	62.66
0.00	0.00	0.00
0.00	0.00	0.00

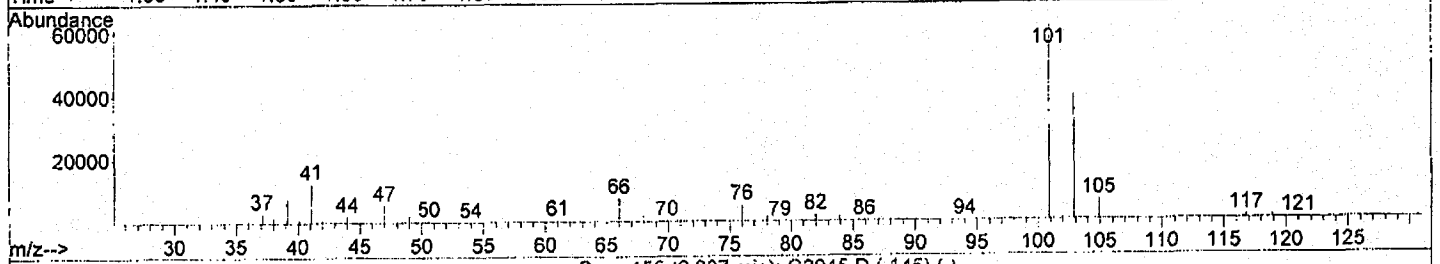
Quantitation Report (Qedit)

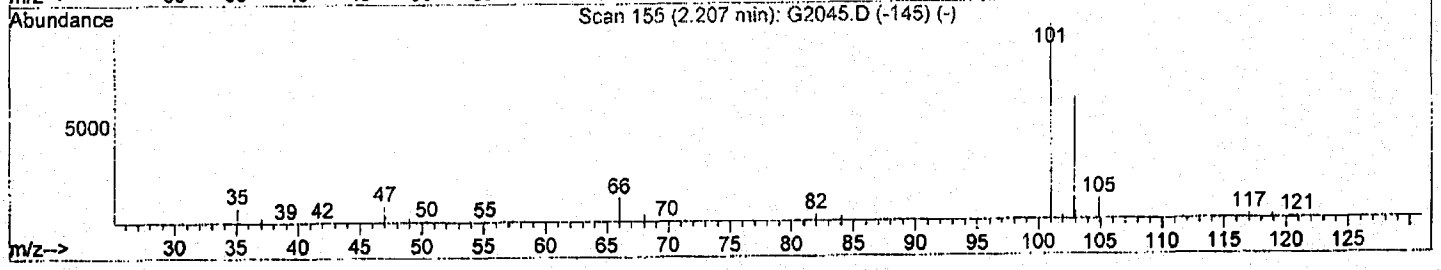
Data File : D:\MSDChem\G\Data\080808\G8179.D
Acq On : 8 Aug 2008 18:09
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 08 19:01:28 2008

Vial: 7
Operator: LH
Inst : HP5973G
Multiplr: 1.00

Method : D:\MSDCHEM\G\MET...000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Multiple Level Calibration







TIC: G8179.D

(7) C275 Trichlorofluoromethane (T)

2.25min (+0.067) 281.99ng m

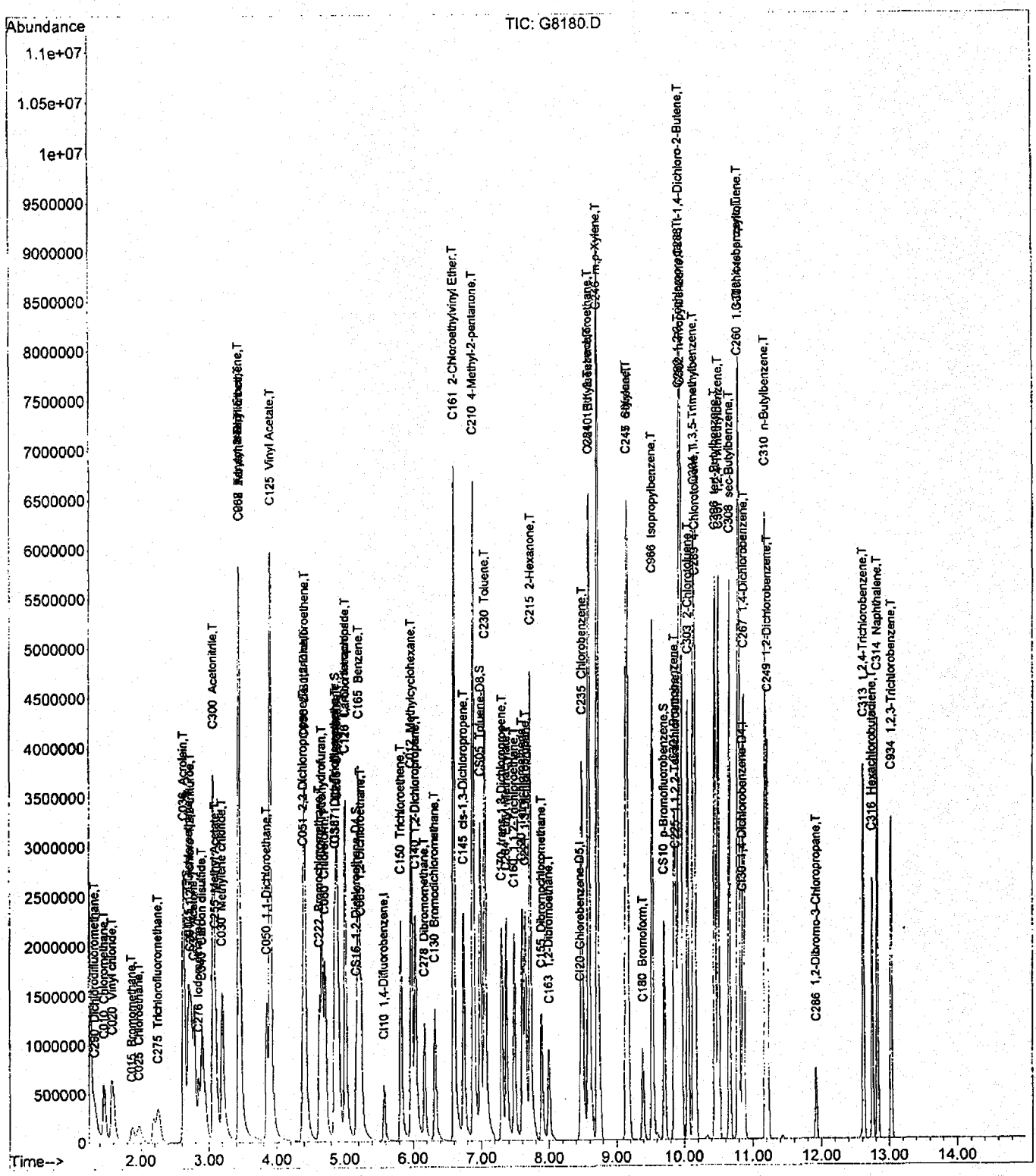
response 437931

Ion	Exp%	Act%
101.00	100	100
103.00	64.90	64.55
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\G\DATA\080808\G8180.D Vial: 8
Acq On : 8 Aug 2008 18:32 Operator: LH
Sample : VSTD100 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 08 19:02:54 2008 Results File: A8I0000...THPT.RES
Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\G\DATA\080808\G8180.D Vial: 8
Acq On : 8 Aug 2008 18:32 Operator: LH
Sample : VSTD100 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 19:02:54 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\080808\G8178.D (8 Aug 2008 17:45)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.58	114	600539	125.00	ng	0.00 102.46%
43) CI20	Chlorobenzene-D5	8.46	82	268401	125.00	ng	0.00 105.27%
63) CI30	1,4-Dichlorobenzene-	10.85	152	245748	125.00	ng	0.00 110.95%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.87	111	640906	521.94	NG	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery	=	417.55%#	
31) CS15	1,2-Dichloroethane-D	5.17	65	711698	498.05	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery	=	398.44%#	
44) CS05	Toluene-D8	6.99	98	2719649	520.10	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery	=	416.08%#	
62) CS10	p-Bromofluorobenzene	9.71	174	765449	541.84	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery	=	433.47%#	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.34	85	592179	569.11	ng	# 100
3) C010	Chloromethane	1.46	50	1027911	448.32	ng	97
4) C020	Vinyl chloride	1.59	62	1020048	520.19	ng	88
5) C015	Bromomethane	1.87	94	219011	362.17	ng	89
6) C025	Chloroethane	1.98	64	372339	453.89	ng	87
7) C275	Trichlorofluorometha	2.25	101	876172m	547.83	ng	100
8) C045	1,1-Dichloroethene	2.70	96	896873	565.78	ng	92
9) C030	Methylene chloride	3.20	84	1029151	426.52	ng	89
10) C040	Carbon disulfide	2.90	76	2750413	567.85	ng	99
11) C036	Acrolein	2.63	56	3681966	10271.60	ng	96
12) C038	Acrylonitrile	3.45	53	2172993	2761.72	ng	94
13) C035	Acetone	2.79	43	1632578	2622.89	ng	98
14) C300	Acetonitrile	3.07	41	5764797	21327.39	ng	99
15) C276	Iodomethane	2.85	142	1401410	535.25	ng	85
16) C291	1,1,2-Trichloro-1,2,	2.74	101	796344	605.53	ng	94
17) C962	T-butyl Methyl Ether	3.45	73	2599144	496.85	ng	90
18) C057	trans-1,2-Dichloroet	3.45	96	1038375	552.85	ng	99
19) C255	Methyl Acetate	3.10	43	1122470	386.04	ng	97
20) C050	1,1-Dichloroethane	3.85	63	1794971	522.18	ng	99
21) C125	Vinyl Acetate	3.91	43	11196120	2804.70	ng	95
22) C051	2,2-Dichloropropane	4.39	77	1085869	482.92	ng	94
23) C056	cis-1,2-Dichloroethe	4.41	96	1090608	539.39	ng	96
24) C272	Tetrahydrofuran	4.67	42	1845985	2730.18	ng	95
25) C222	Bromochloromethane	4.63	128	540422	553.93	ng	96
27) C060	Chloroform	4.72	83	1464980	512.55	ng	99
28) C115	1,1,1-Trichloroethan	4.86	97	1231056	534.64	ng	97
29) C120	Carbon tetrachloride	5.01	117	1026201	550.56	ng	97
30) C116	1,1-Dichloropropene	5.01	75	1245022	556.66	ng	96
32) C165	Benzene	5.21	78	3969852	531.19	ng	99
33) C065	1,2-Dichloroethane	5.24	62	1276902	501.30	ng	95
34) C110	2-Butanone	4.42	43	2614997	2732.06	ng	94
35) C256	Cyclohexane	4.90	56	1810709	554.89	ng	95
36) C150	Trichloroethene	5.82	95	916654	537.80	ng	98
37) C140	1,2-Dichloropropane	6.04	63	1019744	520.33	ng	99
38) C278	Dibromomethane	6.17	93	532739	536.59	ng	95

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\G\DATA\080808\G8180.D Vial: 8
Acq On : 8 Aug 2008 18:32 Operator: LH
Sample : VSTD100 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 19:02:54 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\080808\G8178.D (8 Aug 2008 17:45)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
39) C130	Bromodichloromethane	6.32	83	1079166	525.66	ng		97
40) C161	2-Chloroethylvinyl E	6.60	63	3592279	2753.97	ng		96
41) C012	Methylcyclohexane	5.98	83	1730051	586.70	ng		99
42) C145	cis-1,3-Dichloroprop	6.74	75	1543504	535.61	ng		97
45) C230	Toluene	7.06	92	2496443	539.39	ng		95
46) C170	trans-1,3-Dichloropr	7.31	75	1429891	530.06	ng		89
47) C284	Ethyl Methacrylate	7.37	69	1344243	564.21	ng	#	99
48) C160	1,1,2-Trichloroethan	7.49	83	699333	541.60	ng		100
49) C210	4-Methyl-2-pentanone	6.88	43	5633716	2675.81	ng		94
50) C220	Tetrachloroethene	7.60	166	995098	562.35	ng		97
51) C221	1,3-Dichloropropane	7.65	76	1524483	538.32	ng		99
52) C155	Dibromochloromethane	7.89	129	900090	557.76	ng		97
53) C163	1,2-Dibromoethane	8.00	107	861029	548.57	ng		99
54) C215	2-Hexanone	7.72	43	3825106	2703.37	ng		93
55) C235	Chlorobenzene	8.49	112	2681952	531.09	ng		97
56) C281	1,1,1,2-Tetrachloroe	8.59	131	851850	532.49	ng		95
57) C240	Ethylbenzene	8.60	91	4387856	533.94	ng		96
58) C246	m,p-Xylene	8.72	106	3609620	1092.86	ng		93
59) C247	o-Xylene	9.15	106	1767699	544.52	ng		93
60) C245	Styrene	9.16	104	3014981	535.86	ng		92
61) C180	Bromoform	9.39	173	562578	635.49	ng		98
64) C966	Isopropylbenzene	9.53	105	4277020	488.13	ng		99
65) C301	Bromobenzene	9.86	156	1086924	490.41	ng		99
66) C225	1,1,2,2-Tetrachloroe	9.88	83	1093052	538.36	ng		99
67) C282	1,2,3-Trichloropropa	9.92	110	346537	525.74	ng		100
68) C283	t-1,4-Dichloro-2-But	9.93	51	833309	2277.36	ng	#	82
69) C302	n-Propylbenzene	9.96	91	5349707	486.59	ng		99
70) C303	2-Chlorotoluene	10.05	126	1033796	492.25	ng		100
71) C289	4-Chlorotoluene	10.16	126	1083890	491.27	ng		100
72) C304	1,3,5-Trimethylbenze	10.13	105	3526563	491.48	ng		99
73) C306	tert-Butylbenzene	10.45	134	816260	516.49	ng		97
74) C307	1,2,4-Trimethylbenze	10.51	105	3473228	496.11	ng		98
75) C308	sec-Butylbenzene	10.66	105	4285025	520.60	ng		98
76) C260	1,3-Dichlorobenzene	10.79	146	1989477	505.61	ng		98
77) C309	4-Isopropyltoluene	10.80	119	3788457	522.87	ng		96
78) C267	1,4-Dichlorobenzene	10.87	146	2001938	498.17	ng		100
79) C249	1,2-Dichlorobenzene	11.22	146	1882544	512.94	ng		99
80) C310	n-Butylbenzene	11.18	91	3389593	534.03	ng		99
81) C286	1,2-Dibromo-3-Chloro	11.92	75	173483	566.84	ng		92
82) C313	1,2,4-Trichlorobenze	12.62	180	1173301	532.32	ng		97
83) C316	Hexachlorobutadiene	12.76	225	465053	599.95	ng		94
84) C314	Naphthalene	12.83	128	3275647	559.80	ng		98
85) C934	1,2,3-Trichlorobenze	13.04	180	1039625	544.15	ng		99

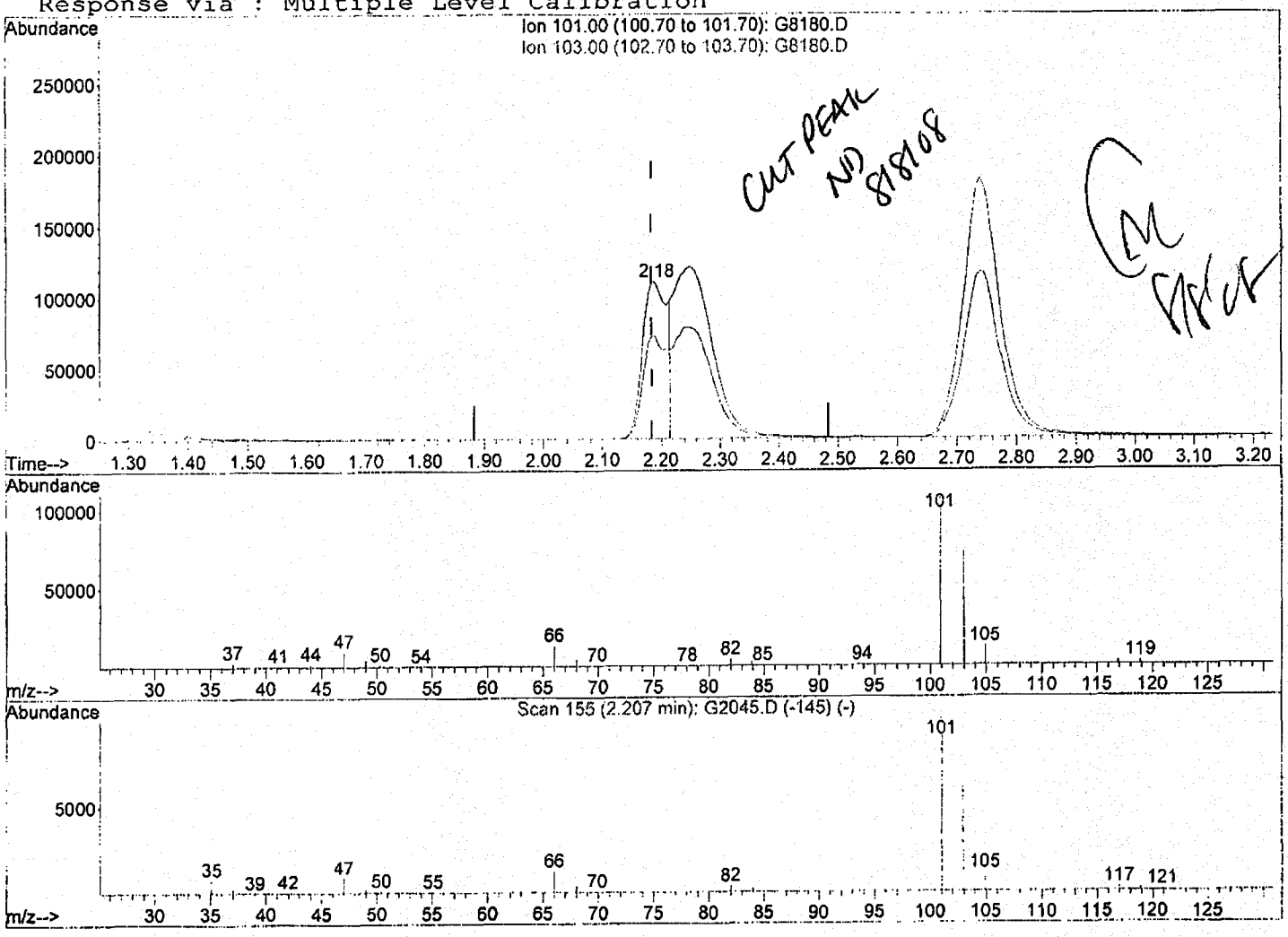
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data File : D:\MSDChem\G\Data\080808\G8180.D
Acq On : 8 Aug 2008 18:32
Sample : VSTD100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 08 19:02:24 2008

Vial: 8
Operator: LH
Inst : HP5973G
Multiplr: 1.00

Method : D:\MSDCHEM\G\MET...000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Multiple Level Calibration



TIC: G8180.D

(7) C275 Trichlorofluoromethane (T)

2.18min (+0.000) 206.16ng

response 329727

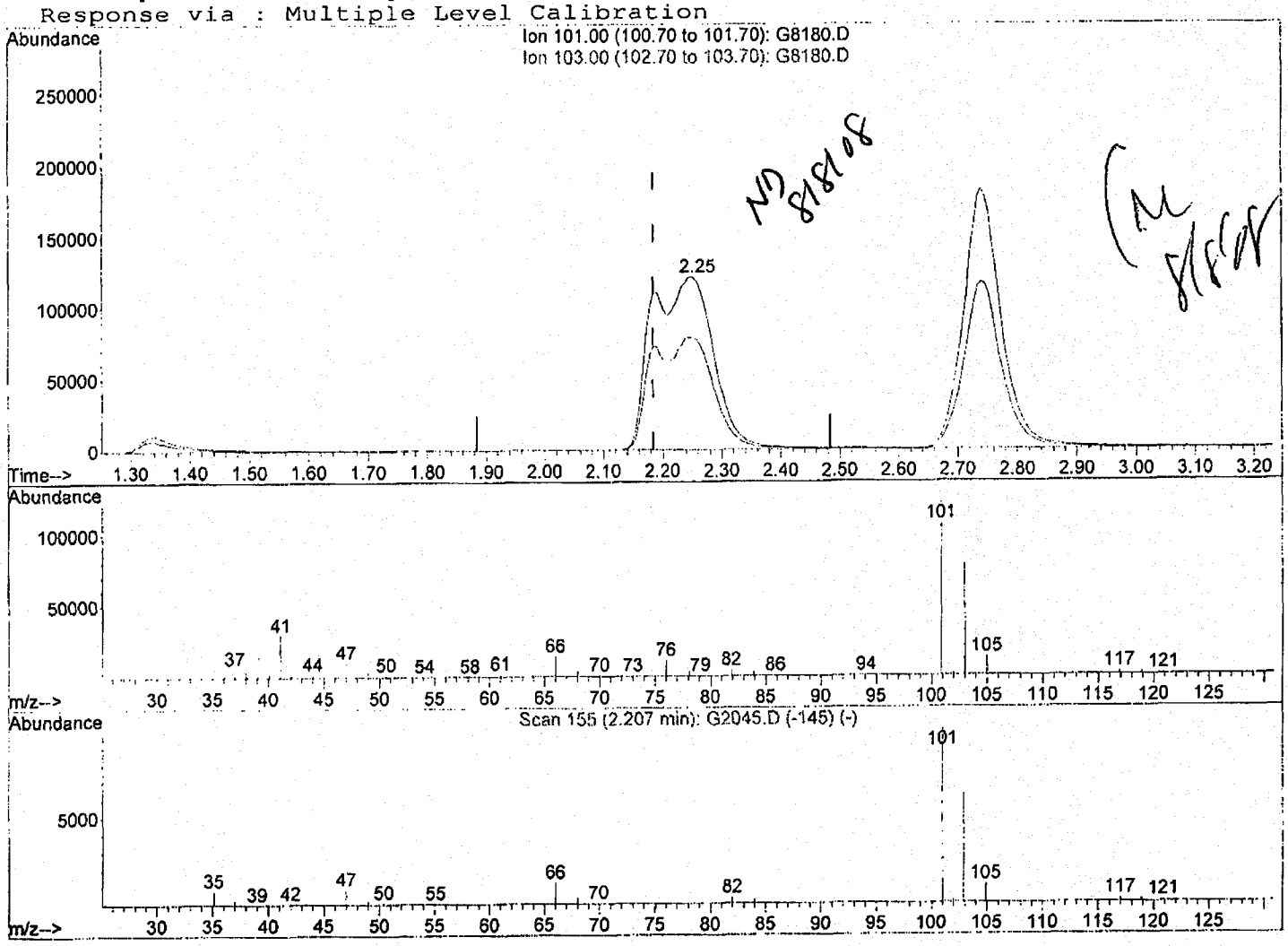
Ion	Exp%	Act%
101.00	100	100
103.00	64.90	65.12
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDChem\G\Data\080808\G8180.D
Acq On : 8 Aug 2008 18:32
Sample : VSTD100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 08 19:02:24 2008

Vial: 8
Operator: LH
Inst : HP5973G
Multiplr: 1.00

Method : D:\MSDCHEM\G\MET...000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:58:14 2008
Response via : Multiple Level Calibration



TIC: G8180.D

(7) C275 Trichlorofluoromethane (T)

2.25min (+0.067) 547.83ng m

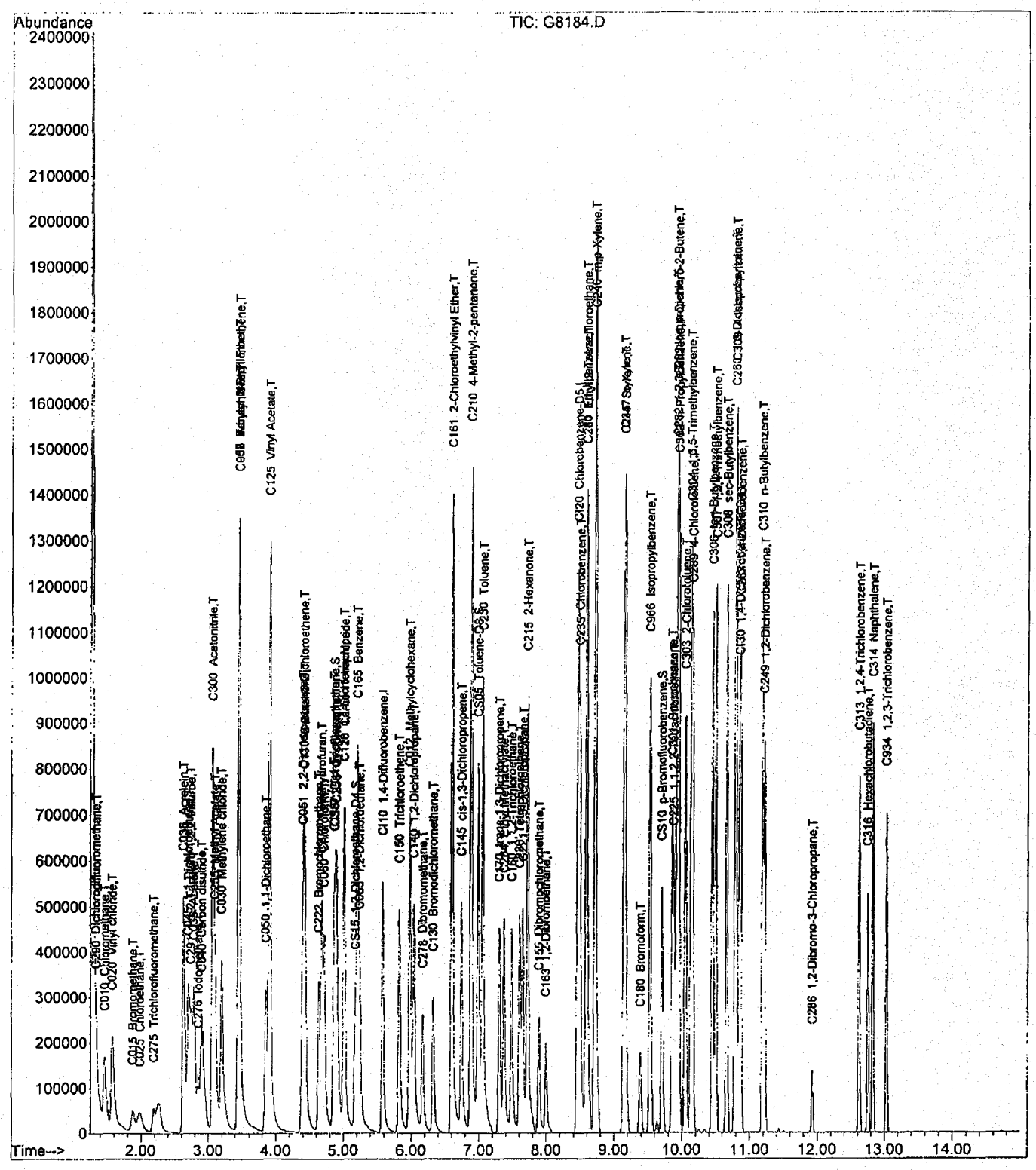
response 876172

Ion	Exp%	Act%
101.00	100	100
103.00	64.90	64.47
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\G\DATA\080808\G8184.D Vial: 1
Acq On : 8 Aug 2008 20:01 Operator: LH
Sample : SSCAL/MSB Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 08 20:40:05 2008 Results File: A8I0000...THPT.RES
Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 20:39:34 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\G\DATA\080808\G8184.D Vial: 1
Acq On : 8 Aug 2008 20:01 Operator: LH
Sample : SSCAL/MSB Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 20:40:05 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 20:39:34 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDCHEM\G\DATA\080808\G8183.D (8 Aug 2008 19:38)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.58	114	584627	125.00	ng	0.00 100.99%
43) CI20	Chlorobenzene-D5	8.46	82	256013	125.00	ng	0.00 101.06%
63) CI30	1,4-Dichlorobenzene-	10.85	152	220919	125.00	ng	0.00 100.71%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.87	111	158083	132.38	NG	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery	=	105.90%	
31) CS15	1,2-Dichloroethane-D	5.17	65	175415	126.11	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery	=	100.89%	
44) CS05	Toluene-D8	6.99	98	674384	132.11	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery	=	105.69%	
62) CS10	p-Bromofluorobenzene	9.71	174	183330	132.50	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery	=	106.00%	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.34	85	132427	119.62	ng	# 100
3) C010	Chloromethane	1.46	50	242984	117.95	ng	98
4) C020	Vinyl chloride	1.58	62	233908	115.57	ng	85
5) C015	Bromomethane	1.87	94	58365	129.97	ng	83
6) C025	Chloroethane	1.98	64	84551	120.48	ng	88
7) C275	Trichlorofluorometha	2.19	101	175206m	108.03	ng	99
8) C045	1,1-Dichloroethene	2.70	96	188850	114.54	ng	92
9) C030	Methylene chloride	3.20	84	249554	121.74	ng	93
10) C040	Carbon disulfide	2.90	76	602345	119.06	ng	99
11) C036	Acrolein	2.63	56	672192	1793.40	ng	95
12) C038	Acrylonitrile	3.45	53	507446	599.38	ng	94
13) C035	Acetone	2.79	43	384151	582.10	ng	98
14) C300	Acetonitrile	3.06	41	1351076	4703.76	ng	99
15) C276	Iodomethane	2.85	142	255731	97.82	ng	86
16) C291	1,1,2-Trichloro-1,2,	2.74	101	165904	110.67	ng	93
17) C962	T-butyl Methyl Ether	3.45	73	618783	128.28	ng	90
18) C057	trans-1,2-Dichloroet	3.45	96	228347	121.51	ng	96
19) C255	Methyl Acetate	3.10	43	303306	136.69	ng	99
20) C050	1,1-Dichloroethane	3.85	63	400403	119.10	ng	98
21) C125	Vinyl Acetate	3.90	43	2375569	538.65	ng	98
22) C051	2,2-Dichloropropane	4.39	77	247879	123.02	ng	93
23) C056	cis-1,2-Dichloroethe	4.41	96	243319	120.62	ng	95
24) C272	Tetrahydrofuran	4.68	42	411820	574.68	ng	97
25) C222	Bromochloromethane	4.63	128	119699	122.01	ng	98
27) C060	Chloroform	4.72	83	333170	120.61	ng	99
28) C115	1,1,1-Trichloroethan	4.86	97	259716	117.43	ng	97
29) C120	Carbon tetrachloride	5.01	117	206760	117.50	ng	97
30) C116	1,1-Dichloropropene	5.01	75	262160	114.96	ng	95
32) C165	Benzene	5.21	78	899086	119.89	ng	99
33) C065	1,2-Dichloroethane	5.24	62	284379	117.57	ng	95
34) C110	2-Butanone	4.43	43	576350	566.89	ng	94
35) C256	Cyclohexane	4.90	56	380868	111.27	ng	95
36) C150	Trichloroethene	5.82	95	198098	117.18	ng	97
37) C140	1,2-Dichloropropane	6.04	63	229142	120.87	ng	99
38) C278	Dibromomethane	6.16	93	119647	122.35	ng	94

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\G\DATA\080808\G8184.D Vial: 1
Acq On : 8 Aug 2008 20:01 Operator: LH
Sample : SSCAL/MSB Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 20:40:05 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 20:39:34 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDCHEM\G\DATA\080808\G8183.D (8 Aug 2008 19:38)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
39) C130	Bromodichloromethane	6.32	83	238048	125.84	ng		99
40) C161	2-Chloroethylvinyl E	6.60	63	756401	570.72	ng		97
41) C012	Methylcyclohexane	5.98	83	364116	112.60	ng		98
42) C145	cis-1,3-Dichloroprop	6.74	75	342503	125.47	ng		98
45) C230	Toluene	7.05	92	542443	118.62	ng		91
46) C170	trans-1,3-Dichloropr	7.30	75	305936	122.89	ng		90
47) C284	Ethyl Methacrylate	7.37	69	281196	121.78	ng	#	99
48) C160	1,1,2-Trichloroethan	7.49	83	161288	127.28	ng		97
49) C210	4-Methyl-2-pentanone	6.88	43	1248729	576.98	ng		97
50) C220	Tetrachloroethene	7.60	166	206025	114.43	ng		98
51) C221	1,3-Dichloropropane	7.65	76	331318	119.65	ng		98
52) C155	Dibromochloromethane	7.89	129	181363	126.31	ng		97
53) C163	1,2-Dibromoethane	7.99	107	188609	122.60	ng		98
54) C215	2-Hexanone	7.72	43	793061	559.26	ng		94
55) C235	Chlorobenzene	8.49	112	589884	120.20	ng		97
56) C281	1,1,1,2-Tetrachloroe	8.59	131	180278	124.70	ng		95
57) C240	Ethylbenzene	8.60	91	944139	118.51	ng		97
58) C246	m,p-Xylene	8.72	106	771282	237.76	ng		96
59) C247	o-Xylene	9.15	106	378431	120.49	ng		97
60) C245	Styrene	9.16	104	664471	125.04	ng		91
61) C180	Bromoform	9.39	173	108059	114.75	ng		98
64) C966	Isopropylbenzene	9.53	105	815663	106.46	ng		100
65) C301	Bromobenzene	9.86	156	232342	119.86	ng		98
66) C225	1,1,2,2-Tetrachloroe	9.88	83	237595	125.46	ng		99
67) C282	1,2,3-Trichloropropa	9.92	110	66703	107.55	ng		100
68) C283	t-1,4-Dichloro-2-But	9.93	51	158189	559.32	ng	#	72
69) C302	n-Propylbenzene	9.96	91	1099095	116.13	ng		98
70) C303	2-Chlorotoluene	10.05	126	219612	118.88	ng		100
71) C289	4-Chlorotoluene	10.16	126	230263	120.00	ng		100
72) C304	1,3,5-Trimethylbenze	10.13	105	731623	118.62	ng		99
73) C306	tert-Butylbenzene	10.45	134	162967	113.59	ng		98
74) C307	1,2,4-Trimethylbenze	10.51	105	736078	121.59	ng		99
75) C308	sec-Butylbenzene	10.66	105	919029	124.11	ng		97
76) C260	1,3-Dichlorobenzene	10.79	146	421946	122.25	ng		97
77) C309	4-Isopropyltoluene	10.80	119	748232	115.47	ng		97
78) C267	1,4-Dichlorobenzene	10.87	146	429960	122.06	ng		98
79) C249	1,2-Dichlorobenzene	11.22	146	396222	122.19	ng		99
80) C310	n-Butylbenzene	11.18	91	667158	118.57	ng		97
81) C286	1,2-Dibromo-3-Chloro	11.93	75	31566	119.93	ng		96
82) C313	1,2,4-Trichlorobenze	12.62	180	244912	126.53	ng		99
83) C316	Hexachlorobutadiene	12.76	225	92203	117.97	ng		92
84) C314	Naphthalene	12.83	128	685176	123.83	ng		96
85) C934	1,2,3-Trichlorobenze	13.04	180	223314	124.35	ng		99

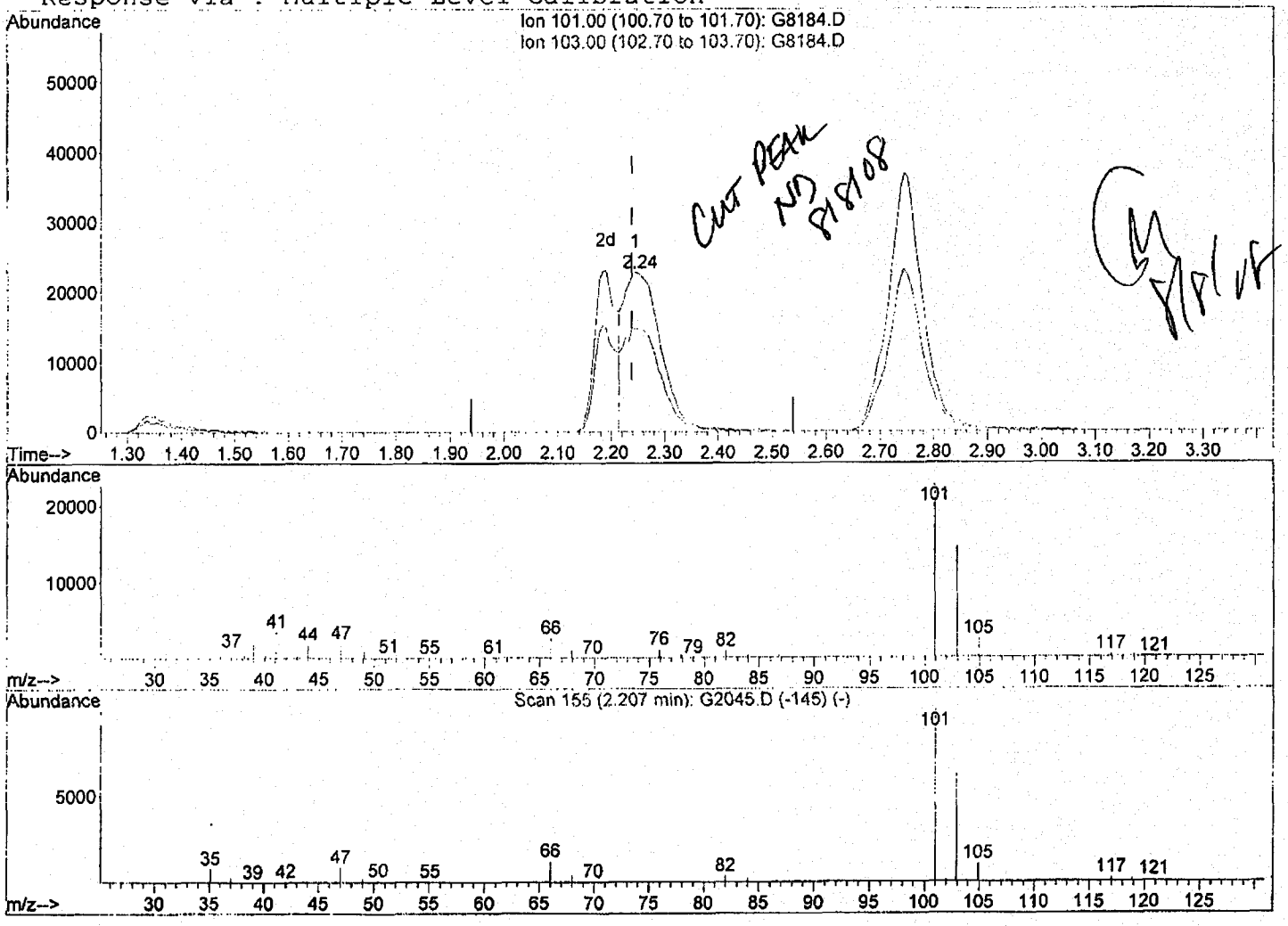
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\G\DATA\080808\G8184.D
Acq On : 8 Aug 2008 20:01
Sample : SSCAL/MSB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 08 20:39:44 2008

Vial: 1
Operator: LH
Inst : HP5973G
Multiplr: 1.00

Method : D:\MSDCHEM\G\MET...000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 20:39:34 2008
Response via : Multiple Level Calibration



TIC: G8184.D

(7) C275 Trichlorofluoromethane (T)

2.24min (+0.006) 67.39ng

response 109296

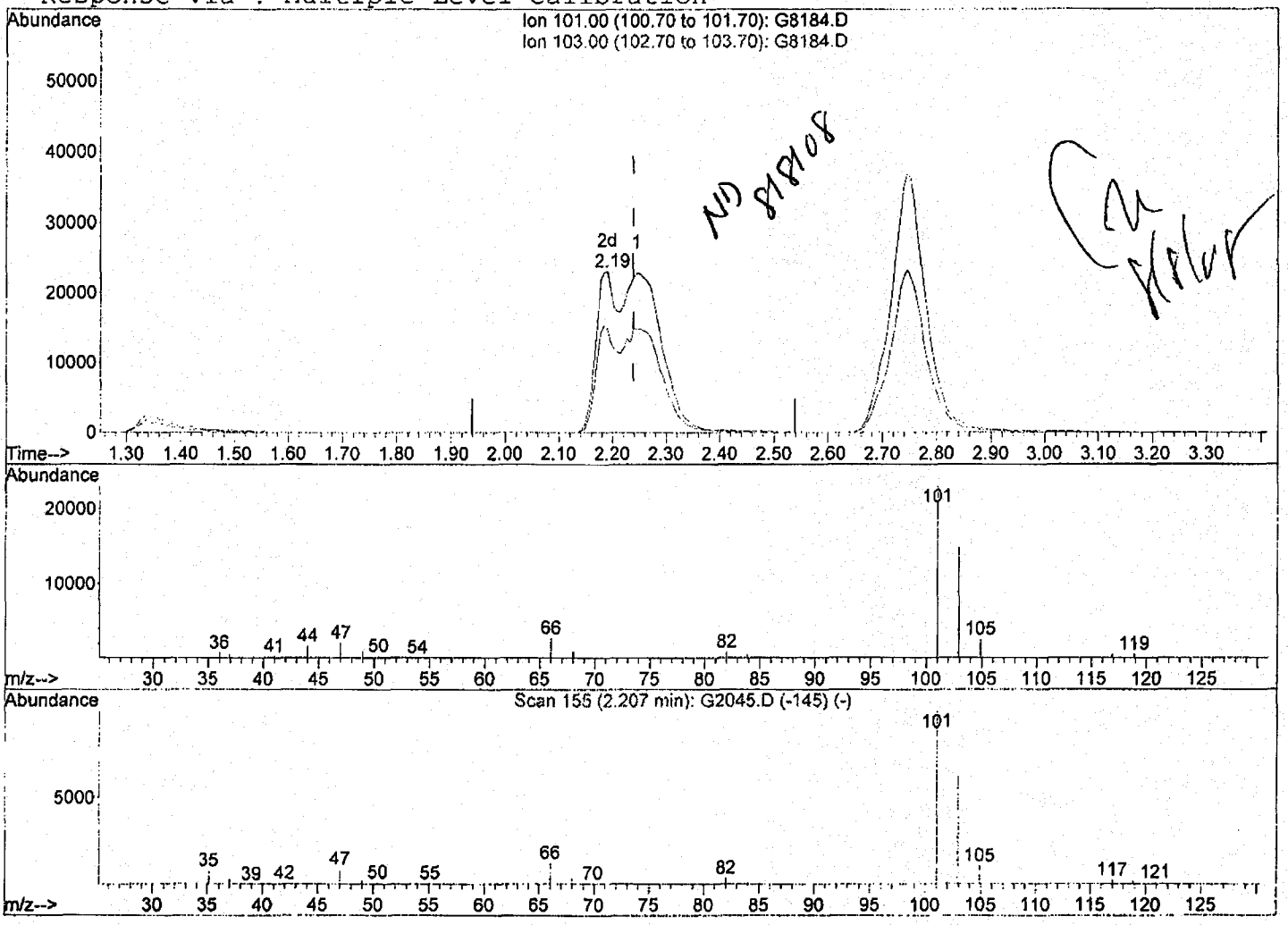
Ion	Exp%	Act%
101.00	100	100
103.00	64.90	64.40
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : D:\MSDCHEM\G\DATA\080808\G8184.D
Acq On : 8 Aug 2008 20:01
Sample : SSCAL/MSB
Misc :
Vial: 1
Operator: LH
Inst : HP5973G
Multiplr: 1.00

MS Integration Params: RTEINT.P
Quant Time: Aug 08 20:39:44 2008

Method : D:\MSDCHEM\G\MET...000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 20:39:34 2008
Response via : Multiple Level Calibration



TIC: G8184.D

(7) C275 Trichlorofluoromethane (T)

2.19min (-0.049) 108.03ng m

response 175206

Ion	Exp%	Act%
101.00	100	100
103.00	64.90	64.42
0.00	0.00	0.00
0.00	0.00	0.00

METHOD 8260 - AQUEOUS (15% RSD)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000584-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Intrument ID: HP5973S Calibration Dates(s): 08/08/2008 08/08/2008

Heated Purge (Y/N): N Calibration Times: 16:45 19:28

GC Column: ZB-624 ID: 0.18(mm)

Lab File ID: RRF1 = S6558.RR RRF5 = S6551.RR RRF10 = S6552.RR
RRF25 = S6553.RR RRF50 = S6554.RR RRF100 = S6555.RR

COMPOUND	RRF1	RRF5	RRF10	RRF25	RRF50	RRF100	AVG RRF	% RSD
Chloromethane	0.516	0.464	0.445	0.460	0.410	0.445	0.4560	7.600
Bromomethane	0.112	0.026	0.034	0.048	0.064	0.091	0.0620	53.900
Vinyl chloride	0.418	0.403	0.409	0.428	0.390	0.421	0.4120	3.400
Chloroethane	0.091	0.099	0.085	0.086	0.079	0.084	0.0870	7.700
Methylene chloride	1.742	0.520	0.493	0.438	0.396	0.404	0.6650	79.600
Acetone	0.220	0.109	0.106	0.105	0.097	0.101	0.1230	39.000
Carbon Disulfide	1.389	1.151	1.109	1.164	1.064	1.102	1.1630	10.000
1,1-Dichloroethene	0.437	0.351	0.390	0.371	0.343	0.337	0.3720	10.100
1,1-Dichloroethane	0.886	0.757	0.806	0.779	0.722	0.754	0.7840	7.300
cis-1,2-Dichloroethene	0.529	0.440	0.475	0.448	0.411	0.420	0.4540	9.500
trans-1,2-Dichloroethene	0.506	0.401	0.440	0.422	0.382	0.380	0.4220	11.200
Chloroform	0.833	0.682	0.733	0.704	0.656	0.679	0.7140	8.900
1,2-Dichloroethane	0.622	0.538	0.589	0.559	0.524	0.552	0.5640	6.400
2-Butanone	0.165	0.154	0.155	0.159	0.144	0.150	0.1540	4.700
1,1,1-Trichloroethane	0.696	0.585	0.654	0.628	0.595	0.612	0.6280	6.500
Carbon Tetrachloride	0.545	0.438	0.501	0.498	0.484	0.502	0.4950	7.000
Bromodichloromethane	0.530	0.456	0.511	0.497	0.477	0.507	0.4960	5.300
1,2-Dichloropropane	0.480	0.408	0.450	0.424	0.397	0.405	0.4270	7.500
cis-1,3-Dichloropropene	0.718	0.600	0.652	0.629	0.602	0.624	0.6370	6.800
Trichloroethene	0.508	0.417	0.453	0.423	0.393	0.405	0.4330	9.700
Dibromochloromethane	0.636	0.561	0.632	0.623	0.601	0.630	0.6140	4.700
1,1,2-Trichloroethane	0.543	0.494	0.550	0.515	0.479	0.483	0.5100	6.000
Benzene	2.002	1.705	1.831	1.718	1.572	1.544	1.7280	9.800
trans-1,3-Dichloropropene	1.220	0.998	1.122	1.111	1.050	1.090	1.0980	6.800
Bromoform	0.311	0.290	0.339	0.346	0.340	0.364	0.3320	8.000
4-Methyl-2-pentanone	0.606	0.606	0.628	0.640	0.578	0.576	0.6060	4.200
2-Hexanone	0.420	0.415	0.428	0.432	0.396	0.397	0.4150	3.700
Tetrachloroethene	0.928	0.752	0.811	0.772	0.702	0.688	0.7760	11.300
1,1,2,2-Tetrachloroethane	0.959	0.838	0.952	0.888	0.827	0.861	0.8870	6.400
Toluene	2.459	2.051	2.198	2.060	1.912	1.877	2.0930	10.200
Chlorobenzene	2.650	2.136	2.269	2.134	1.968	1.952	2.1850	11.800
Ethylbenzene	4.811	3.984	4.216	4.022	3.627	3.444	4.0170	11.900
Styrene	2.537	2.245	2.479	2.407	2.195	2.136	2.3330	7.000
Total Xylenes	1.598	1.381	1.519	1.451	1.308	1.281	1.4230	8.700
1,1,2-Trichloro-1,2,2-trifl	0.325	0.375	0.374	0.396	0.351	0.339	0.3600	7.200
1,2,4-Trichlorobenzene	1.458	1.016	1.169	1.082	1.015	1.028	1.1280	15.300
1,2-Dibromo-3-chloropropane	0.159	0.146	0.165	0.167	0.161	0.177	0.1620	6.400

METHOD 8260 - AQUEOUS (15% RSD)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000584-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Intrument ID: HP5973S Calibration Dates(s): 08/08/2008 08/08/2008

Heated Purge (Y/N): N Calibration Times: 16:45 19:28

GC Column: ZB-624 ID: 0.18(mm)

Lab File ID: RRF1 = S6558.RR RRF5 = S6551.RR RRF10 = S6552.RR
RRF25 = S6553.RR RRF50 = S6554.RR RRF100 = S6555.RR

COMPOUND	RRF1	RRF5	RRF10	RRF25	RRF50	RRF100	AVG RRF	% RSD
1,2-Dibromoethane	0.705	0.595	0.646	0.615	0.568	0.588	0.6200	8.000
1,2-Dichlorobenzene	2.155	1.779	1.922	1.786	1.638	1.631	1.8180	10.800
1,3-Dichlorobenzene	2.412	1.860	2.028	1.856	1.612	1.539	1.8840	16.700
1,4-Dichlorobenzene	2.648	1.915	2.083	1.904	1.733	1.723	2.0010	17.200
Cyclohexane	0.736	0.817	0.825	0.849	0.755	0.731	0.7860	6.500
Dichlorodifluoromethane	0.355	0.365	0.370	0.400	0.363	0.394	0.3740	4.800
Methyl acetate	0.982	0.466	0.418	0.381	0.365	0.334	0.4910	49.800
Trichlorofluoromethane	0.474	0.456	0.461	0.498	0.442	0.477	0.4680	4.200
Methyl-t-Butyl Ether (MTBE)	0.933	0.968	0.966	1.005	0.931	0.962	0.9610	2.800
Isopropylbenzene	5.397	4.591	5.131	4.760	4.411	4.440	4.7880	8.300
Methylcyclohexane	0.656	0.769	0.745	0.784	0.708	0.703	0.7280	6.600
Toluene-D8	3.619	2.847	2.846	2.816	2.606	2.647	2.8970	12.700
p-Bromofluorobenzene	0.963	0.743	0.761	0.743	0.673	0.679	0.7600	13.900
1,2-Dichloroethane-D4	0.525	0.410	0.434	0.438	0.405	0.429	0.4400	9.900

Comments:

Response Factor Report HP5973S

Method Path : D:\MSDCHEM\S\METHODS\82605MLLOW\
Method File : A8I0000584-SIXPT.M
Title : 8260 5ML WATER
Last Update : Fri Aug 08 20:28:42 2008
Response Via : Initial Calibration

8260 (A8I...0584)

Calibration Files
1 =S6558.D 2 =S6551.D 3 =S6552.D
4 =S6553.D 5 =S6554.D 6 =S6555.D

			Compound	1	2	3	4	5	6	Avg	%RSD
1)	I	CI10	1,4-Difluoroben	ISTD							
2)	T	C290	Dichlorodiflu	0.355	0.365	0.370	0.400	0.363	0.394	0.374	4.85
3)	T	C010	Chloromethane	0.516	0.464	0.445	0.460	0.410	0.445	0.456	7.56
4)	T	C020	Vinyl chlorid	0.418	0.403	0.409	0.428	0.390	0.421	0.412	3.39
5)	T	C015	Bromomethane	0.112	0.026	0.034	0.048	0.064	0.091	-----	
								Q	A= 0.014 R=1.000		
									B= 0.035		
									C= -0.001		
6)	T	C025	Chloroethane	0.090	0.099	0.085	0.086	0.079	0.084	0.087	7.73
7)	T	C275	Trichlorofluo	0.474	0.456	0.461	0.498	0.442	0.477	0.468	4.16
8)	T	C045	1,1-Dichloroe	0.437	0.351	0.390	0.371	0.343	0.337	0.372	10.14
9)	T	C030	Methylene chl	1.742	0.520	0.493	0.438	0.396	0.404	-----	
								Q	A= 0.005 R=0.999		
									B= 0.370		
									C= 0.049		
10)	T	C040	Carbon disulf	1.389	1.151	1.109	1.164	1.064	1.102	1.163	10.01
11)	T	C036	Acrolein	0.062	0.057	0.057	0.058	0.052	0.053	0.056	6.39
12)	T	C038	Acrylonitrile	0.140	0.130	0.130	0.132	0.120	0.126	0.130	4.98
13)	T	C035	Acetone	0.220	0.109	0.105	0.105	0.096	0.101	-----	
								Q	A= 0.000 R=0.999		
									B= 0.093		
									C= 0.028		
14)	T	C300	Acetonitrile	0.058	0.049	0.049	0.049	0.045	0.045	0.049	10.00
15)	T	C276	Iodomethane	0.424	0.146	0.243	0.371	0.420	0.472	-----	
								Q	A= 0.025 R=0.999		
									B= 0.379		
									C= -0.032		
16)	T	C291	1,1,2-Trichlo	0.325	0.375	0.374	0.395	0.351	0.339	0.360	7.25
17)	T	C962	T-butyl Methy	0.933	0.968	0.966	1.004	0.931	0.962	0.961	2.82
18)	T	C057	trans-1,2-Dic	0.506	0.401	0.440	0.422	0.382	0.380	0.422	11.21
19)	T	C255	Methyl Acetat	0.982	0.466	0.418	0.381	0.365	0.334	-----	
								Q	A= -0.012 R=1.000		
									B= 0.375		
									C= 0.020		
20)	T	C050	1,1-Dichloroe	0.886	0.757	0.806	0.779	0.722	0.754	0.784	7.33
21)	T	C125	Vinyl Acetate	0.815	0.806	0.817	0.843	0.740	0.761	0.797	4.87
22)	T	C051	2,2-Dichlorop	0.672	0.573	0.629	0.612	0.576	0.609	0.612	6.01
23)	T	C056	cis-1,2-Dichl	0.529	0.440	0.475	0.448	0.411	0.420	0.454	9.49
24)	T	C272	Tetrahydrofur	0.098	0.093	0.099	0.100	0.090	0.094	0.096	3.88
25)	T	C222	Bromochlorome	0.220	0.178	0.191	0.184	0.168	0.172	0.186	10.18
26)	S	CS87	Dibromofluoro	0.425	0.349	0.347	0.349	0.323	0.341	0.356	9.97
27)	T	C060	Chloroform	0.833	0.682	0.733	0.704	0.656	0.679	0.714	8.93
28)	T	C115	1,1,1-Trichlo	0.696	0.585	0.654	0.628	0.595	0.612	0.628	6.54
29)	T	C120	Carbon tetrac	0.544	0.438	0.501	0.498	0.484	0.502	0.495	6.95
30)	T	C116	1,1-Dichlorop	0.642	0.536	0.589	0.560	0.530	0.533	0.565	7.72
31)	S	CS15	1,2-Dichloroe	0.525	0.410	0.434	0.438	0.405	0.429	0.440	9.90
32)	T	C165	Benzene	2.002	1.705	1.831	1.718	1.571	1.544	1.728	9.84
33)	T	C065	1,2-Dichloroe	0.622	0.538	0.589	0.559	0.524	0.552	0.564	6.39
34)	T	C110	2-Butanone	0.165	0.154	0.155	0.159	0.144	0.150	0.154	4.75
35)	T	C256	Cyclohexane	0.736	0.817	0.825	0.849	0.755	0.731	0.786	6.48
36)	T	C150	Trichloroethe	0.508	0.417	0.453	0.423	0.393	0.405	0.433	9.70
37)	T	C140	1,2-Dichlorop	0.480	0.408	0.450	0.424	0.397	0.405	0.427	7.50
38)	T	C278	Dibromomethan	0.258	0.206	0.222	0.210	0.197	0.205	0.216	10.02
39)	T	C130	Bromodichloro	0.530	0.456	0.511	0.497	0.477	0.507	0.496	5.32
40)	T	C161	2-Chloroethyl	0.217	0.220	0.220	0.219	0.197	0.192	0.211	6.11
41)	T	C012	Methylcyclohe	0.656	0.769	0.745	0.784	0.708	0.703	0.728	6.55

Response Factor Report HP5973S

Method Path : D:\MSDCHEM\S\METHODS\82605MLLOW\
Method File : A8I0000584-SIXPT.M
Title : 8260 5ML WATER
Last Update : Fri Aug 08 20:28:42 2008
Response Via : Initial Calibration

Calibration Files
1 =S6558.D 2 =S6551.D 3 =S6552.D
4 =S6553.D 5 =S6554.D 6 =S6555.D

42)	T	C145	cis-1,3-Dichl	0.718	0.600	0.652	0.629	0.602	0.624	0.637	6.86
43)	I	CI20	Chlorobenzene-D	----------	ISTD	----------					
44)	S	CS05	Toluene-D8	3.619	2.847	2.846	2.816	2.606	2.647	2.897	12.72
45)	T	C230	Toluene	2.459	2.051	2.198	2.060	1.912	1.877	2.093	10.19
46)	T	C170	trans-1,3-Dic	1.219	0.998	1.121	1.111	1.050	1.089	1.098	6.80
47)	T	C284	Ethyl Methacr	0.735	0.784	0.812	0.863	0.803	0.826	0.804	5.32
48)	T	C160	1,1,2-Trichlo	0.543	0.494	0.550	0.515	0.479	0.483	0.510	5.98
49)	T	C210	4-Methyl-2-pe	0.606	0.606	0.628	0.640	0.578	0.576	0.606	4.24
50)	T	C220	Tetrachloroet	0.928	0.752	0.811	0.772	0.702	0.688	0.776	11.27
51)	T	C221	1,3-Dichlorop	1.315	1.101	1.209	1.146	1.052	1.071	1.149	8.60
52)	T	C155	Dibromochloro	0.636	0.561	0.632	0.623	0.600	0.630	0.614	4.70
53)	T	C163	1,2-Dibromoet	0.705	0.595	0.646	0.615	0.568	0.588	0.620	8.00
54)	T	C215	2-Hexanone	0.420	0.415	0.428	0.432	0.396	0.397	0.415	3.69
55)	T	C235	Chlorobenzene	2.650	2.136	2.269	2.134	1.968	1.952	2.185	11.75
56)	T	C281	1,1,1,2-Tetra	0.750	0.652	0.710	0.692	0.628	0.603	0.673	8.13
57)	T	C240	Ethylbenzene	4.811	3.984	4.216	4.022	3.627	3.444	4.017	11.95
58)	T	C246	m,p-Xylene	1.754	1.489	1.598	1.506	1.314	1.242	1.484	12.56
59)	T	C247	o-Xylene	1.598	1.381	1.519	1.451	1.308	1.281	1.423	8.67
60)	T	C245	Styrene	2.537	2.244	2.479	2.407	2.195	2.136	2.333	7.02
61)	T	C180	Bromoform	0.311	0.290	0.339	0.346	0.340	0.363	0.332	7.96
62)	S	CS10	p-Bromofluoro	0.963	0.743	0.761	0.743	0.673	0.679	0.760	13.90
63)	I	CI30	1,4-Dichloroben	----------	ISTD	----------					
64)	T	C966	Isopropylbenz	5.397	4.591	5.131	4.760	4.411	4.440	4.788	8.30
65)	T	C301	Bromobenzene	1.165	0.936	1.033	0.939	0.880	0.873	0.971	11.42
66)	T	C225	1,1,2,2-Tetra	0.959	0.838	0.952	0.888	0.827	0.861	0.887	6.36
67)	T	C282	1,2,3-Trichlo	0.283	0.267	0.299	0.266	0.233	0.224	0.262	11.02
68)	T	C283	t-1,4-Dichlor	0.202	0.199	0.208	0.204	0.178	0.170	0.194	8.04
69)	T	C302	n-Propylbenze	6.974	5.898	6.629	6.091	5.367	5.152	6.019	11.70
70)	T	C303	2-Chlorotolue	1.267	1.021	1.160	1.054	0.976	0.990	1.078	10.54
71)	T	C289	4-Chlorotolue	1.268	1.056	1.184	1.100	1.004	1.017	1.105	9.31
72)	T	C304	1,3,5-Trimeth	4.474	3.749	4.180	3.916	3.627	3.648	3.932	8.53
73)	T	C306	tert-Butylben	0.970	0.788	0.877	0.833	0.761	0.762	0.832	9.74
74)	T	C307	1,2,4-Trimeth	4.269	3.741	4.183	3.873	3.559	3.597	3.870	7.70
75)	T	C308	sec-Butylbenz	5.494	4.490	5.225	4.920	4.554	4.575	4.876	8.44
76)	T	C260	1,3-Dichlorob	2.412	1.860	2.028	1.856	1.612	1.539	-----	
								Q	A= -0.061 R=0.999		
									B= 1.760		
									C= 0.075		
77)	T	C309	4-Isopropylto	4.498	3.892	4.422	4.085	3.692	3.592	4.030	9.28
78)	T	C267	1,4-Dichlorob	2.648	1.915	2.083	1.904	1.733	1.723	-----	
								Q	A= -0.023 R=0.999		
									B= 1.791		
									C= 0.074		
79)	T	C249	1,2-Dichlorob	2.155	1.779	1.922	1.786	1.638	1.631	1.818	10.84
80)	T	C310	n-Butylbenzen	4.571	3.707	4.251	4.070	3.803	3.835	4.040	8.12
81)	T	C286	1,2-Dibromo-3	0.159	0.145	0.165	0.167	0.160	0.177	0.162	6.37
82)	T	C313	1,2,4-Trichlo	1.458	1.015	1.169	1.082	1.015	1.028	-----	
								Q	A= -0.002 R=1.000		
									B= 1.026		
									C= 0.030		
83)	T	C316	Hexachlorobut	0.668	0.423	0.491	0.475	0.437	0.455	-----	
								Q	A= 0.003 R=0.999		
									B= 0.438		
									C= 0.014		
84)	T	C314	Naphthalene	3.638	2.567	2.989	2.837	2.653	2.772	2.909	13.26
85)	T	C934	1,2,3-Trichlo	1.216	0.942	1.050	0.977	0.903	0.912	1.000	11.83

Response Factor Report HP5973S

Method Path : D:\MSDCHEM\S\METHODS\82605MLLOW\
Method File : A8I0000584-SIXPT.M
Title : 8260 5ML WATER
Last Update : Fri Aug 08 20:28:42 2008
Response Via : Initial Calibration

Calibration Files

1	=S6558.D	2	=S6551.D	3	=S6552.D
4	=S6553.D	5	=S6554.D	6	=S6555.D

Total Average %RSD 8.16

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

A8I0000584-SIXPT.M Fri Aug 08 20:32:26 2008 HP5973S

Date: 08/08/2008 ICC Profile Page: 1
Time: 22:21:59 Rept: AN0287R

ICC Profile Code: A00276 METHOD 8260 low 5ML PURGE 6PT 15% D
Fraction: MV

No of Points: 6 Default Min. RRF: 0.3000 QC Approver: LH
CCC Conc: 125.00 QC Date: 03/31/2008

Comments:

Seq		Parameter	ng On Column Point 1	Point 2	Point 3	Point 4	Point 5	Point 6
2	123-91-1	1,4-Dioxane	200.0000	1000.0000	2000.0000	5000.0000	10000.0000	20000.0000
7	77-73-6	Dicyclopentadiene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
8	526-73-8	1,2,3-Trimethylbenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
15	994-05-8	tert-Amyl Methyl Ether (TAME)	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
18	67-64-1	Acetone	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
20	71-43-2	Benzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
25	637-92-3	Ethyl-t-butyl ether (ETBE)	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
30	108-86-1	Bromobenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
40	74-97-5	Bromochloromethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
50	75-27-4	Bromodichloromethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
51	108-70-3	1,3,5-Trichlorobenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
60	75-25-2	Bromoform	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
70	74-83-9	Bromomethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
88	78-93-3	2-Butanone	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
90	104-51-8	n-Butylbenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
91	107-12-0	Propionitrile	50.0000	250.0000	500.0000	1250.0000	2500.0000	5000.0000
92	126-98-7	Methacrylonitrile	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
93	108-20-3	Isopropyl Ether (DIPE)	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
94	78-83-1	Isobutanol	200.0000	1000.0000	2000.0000	5000.0000	10000.0000	20000.0000
95	71-36-3	n-Butyl alcohol	200.0000	1000.0000	2000.0000	5000.0000	10000.0000	20000.0000
96	108-41-8	m-Chlorotoluene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
97	108-94-1	Cyclohexanone	50.0000	250.0000	500.0000	1250.0000	2500.0000	5000.0000
98	76-01-7	Pentachloroethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
99	75-65-0	tert-Butyl Alcohol (TBA)	100.0000	500.0000	1000.0000	2500.0000	5000.0000	10000.0000
100	135-98-8	sec-Butylbenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
101	79-20-9	Methyl acetate	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
102	110-82-7	Cyclohexane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
103	108-87-2	Methylcyclohexane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
104	98-56-6	p-Monochlorobenzotrifluoride	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
105	98-15-7	m-Monochlorobenzotrifluoride	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
106	88-16-4	o-Monochlorobenzotrifluoride	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
110	98-06-6	tert-Butylbenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
111	106-89-8	Epichlorohydrin	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
112	79-46-9	2-Nitropropane	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
114	TOTALVOA	Total Volatile Organic Compoun	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
120	554-14-3	2-Methyl Thiophene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
121	616-44-4	3-Methyl Thiophene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
128	75-15-0	Carbon Disulfide	5.0000	25.0000	50.0000	125.0000	125.0000	500.0000
130	56-23-5	Carbon Tetrachloride	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
140	108-90-7	Chlorobenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
145	104-76-7	2-Ethyl-1-hexanol	50.0000	500.0000	1250.0000	2500.0000	5000.0000	0.0000
150	75-00-3	Chloroethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
160	67-66-3	Chloroform	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
170	74-87-3	Chloromethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
180	95-49-8	o-Chlorotoluene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
190	106-43-4	p-Chlorotoluene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
200	124-48-1	Dibromochloromethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000

Date: 08/08/2008 ICC Profile Page: 2
Time: 22:21:59 Rept: AN0287R

ICC Profile Code: A00276 METHOD 8260 low 5ML PURGE 6PT 15% D (continued)

Seq		Parameter	ng On Column Point 1	Point 2	Point 3	Point 4	Point 5	Point 6
201	110-54-3	Hexane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
202	142-82-5	Heptane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
203	534-15-6	1,1-Dimethoxyethane	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
204	75-56-9	Propylene Oxide	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
210	96-12-8	1,2-Dibromo-3-chloropropane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
220	106-93-4	1,2-Dibromoethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
230	74-95-3	Dibromomethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
240	95-50-1	1,2-Dichlorobenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
250	541-73-1	1,3-Dichlorobenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
260	106-46-7	1,4-Dichlorobenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
270	75-71-8	Dichlorodifluoromethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
280	75-34-3	1,1-Dichloroethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
290	107-06-2	1,2-Dichloroethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
300	75-35-4	1,1-Dichloroethene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
307	109-99-9	Tetrahydrofuran	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
310	156-59-2	cis-1,2-Dichloroethene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
320	156-60-5	trans-1,2-Dichloroethene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
330	78-87-5	1,2-Dichloropropane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
340	142-28-9	1,3-Dichloropropane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
350	594-20-7	2,2-Dichloropropane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
360	563-58-6	1,1-Dichloropropene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
370	10061-01-5	cis-1,3-Dichloropropene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
380	10061-02-6	trans-1,3-Dichloropropene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
390	100-41-4	Ethylbenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
410	87-68-3	Hexachlorobutadiene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
418	591-78-6	2-Hexanone	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
420	98-82-8	Isopropylbenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
430	99-87-6	p-Cymene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
440	75-09-2	Methylene chloride	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
458	108-10-1	4-Methyl-2-pentanone	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
460	91-20-3	Naphthalene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
470	103-65-1	n-Propylbenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
480	100-42-5	Styrene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
490	630-20-6	1,1,1,2-Tetrachloroethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
500	79-34-5	1,1,2,2-Tetrachloroethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
510	127-18-4	Tetrachloroethene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
520	108-88-3	Toluene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
530	87-61-6	1,2,3-Trichlorobenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
540	120-82-1	1,2,4-Trichlorobenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
550	71-55-6	1,1,1-Trichloroethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
560	79-00-5	1,1,2-Trichloroethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
570	79-01-6	Trichloroethene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
580	75-69-4	Trichlorofluoromethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
590	96-18-4	1,2,3-Trichloropropane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
600	95-63-6	1,2,4-Trimethylbenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
610	108-67-8	1,3,5-Trimethylbenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
620	75-01-4	Vinyl chloride	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
630	1330-20-7	Total Xylenes	15.0000	75.0000	150.0000	375.0000	750.0000	1500.0000
646	SU107-06-2	1,2-Dichloroethane-D4	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
648	2037-26-5	Toluene-D8	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
650	460-00-4	p-Bromofluorobenzene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
660	SU95-50-1	1,2-Dichlorobenzene-d4	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000

Date: 08/08/2008 ICC Profile Page: 3
Time: 22:21:59 Rept: AN0287R

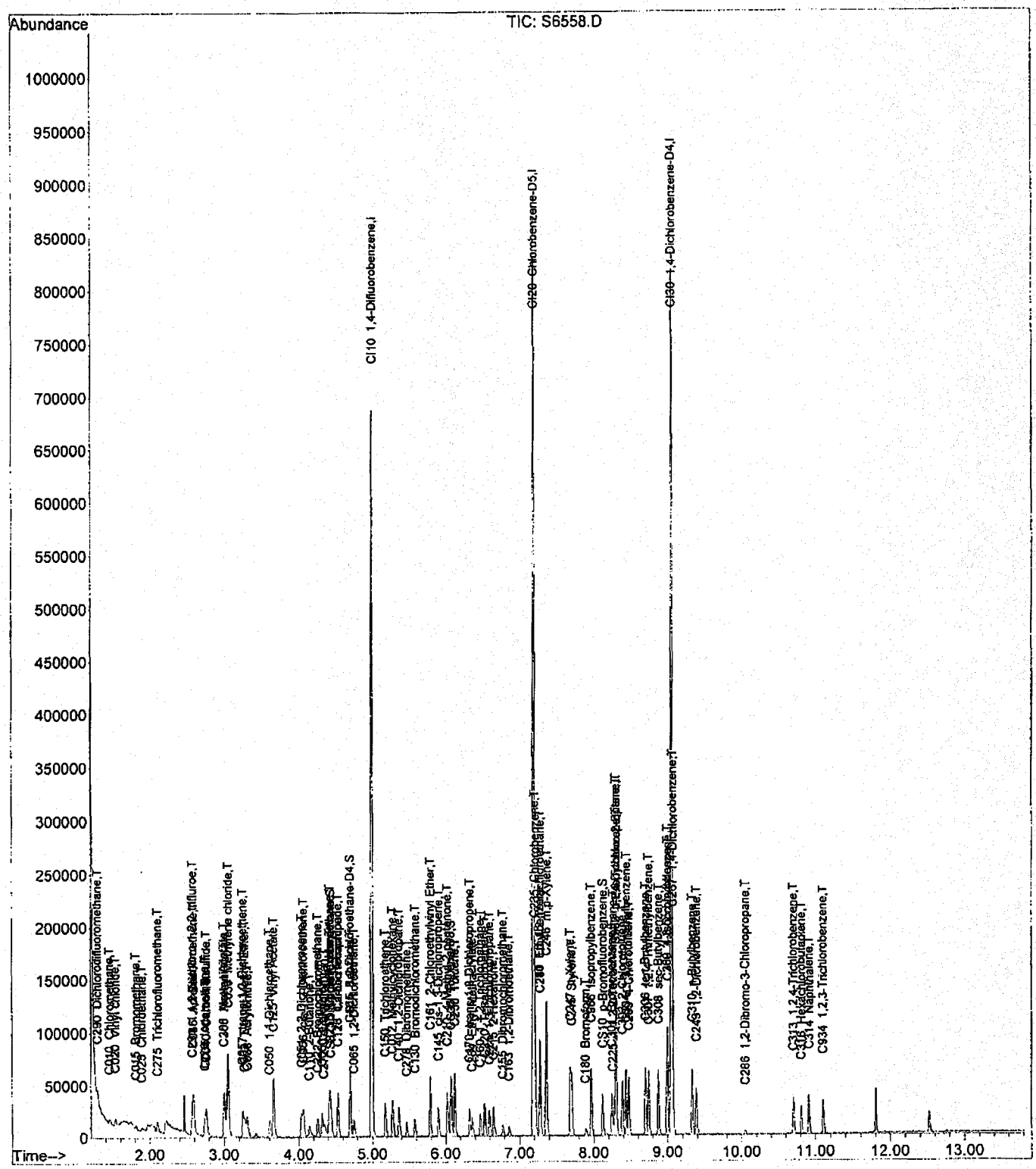
ICC Profile Code: A00276 METHOD 8260 low 5ML PURGE 6PT 15% D (continued)

			ng On Column					
Seq		Parameter	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6
670	SU106-46-7	1,4-Dichlorobenzene-D4	125.0000	125.0000	125.0000	125.0000	125.0000	125.0000
680	3114-55-4	Chlorobenzene-D5	125.0000	125.0000	125.0000	125.0000	125.0000	125.0000
690	540-36-3	1,4-Difluorobenzene	125.0000	125.0000	125.0000	125.0000	125.0000	0.0000
700	462-06-6	Fluorobenzene	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
800	1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
805	75-43-4	Dichlorofluoromethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
810	594-18-3	Dibromodichloromethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
815	107-02-8	Acrolein	100.0000	500.0000	1000.0000	2500.0000	5000.0000	10000.0000
820	76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
825	107-13-1	Acrylonitrile	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
830	80-62-6	Methyl methacrylate	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
840	540-59-0	1,2-Dichloroethene (Total)	10.0000	50.0000	100.0000	250.0000	500.0000	1000.0000
850	M/P XYLENE	m/p-Xylenes	10.0000	50.0000	100.0000	250.0000	500.0000	1000.0000
860	95-47-6	o-Xylene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
870	108-05-4	Vinyl acetate	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
880	110-75-8	2-Chloroethylvinyl ether	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
890	110-57-6	trans-1,4-Dichloro-2-butene	25.0000	125.0000	250.0000	625.0000	1250.0000	2500.0000
900	74-88-4	Iodomethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
910	97-63-2	Ethyl methacrylate	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
920	75-45-6	Chlorodifluoromethane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
930	544-10-5	1-Chlorohexane	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
935	106-99-0	1,3-Butadiene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
940	75-05-8	Acetonitrile	200.0000	1000.0000	2000.0000	5000.0000	10000.0000	20000.0000
950	60-29-7	Ethyl ether	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
951	108-38-3	m-Xylene	10.0000	50.0000	100.0000	250.0000	500.0000	1000.0000
952	106-42-3	p-Xylene	10.0000	50.0000	100.0000	250.0000	500.0000	1000.0000
962	542-75-6	1,3-Dichloropropene (Total)	10.0000	50.0000	100.0000	250.0000	500.0000	1000.0000
972	64-17-5	Ethanol	100.0000	1000.0000	2500.0000	5000.0000	10000.0000	0.0000
982	141-78-6	Ethyl acetate	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
992	107-05-1	3-Chloropropene (Allyl Chlor.)	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
993	126-99-8	2-Chloro-1,3-butadiene	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000
994	54-28-81TIC	Bis(chloromethyl) ether (VOA T	5.0000	25.0000	50.0000	125.0000	250.0000	500.0000

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\S\DATA\080808\S6558.D Vial: 10
Acq On : 8 Aug 2008 19:28 Operator: LH
Sample : VSTD001 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 08 20:28:04 2008 Results File: A8I0000...IXPT.RES
Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 19:26:36 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\S\DATA\080808\S6558.D Vial: 10
Acq On : 8 Aug 2008 19:28 Operator: LH
Sample : VSTD001 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 20:28:04 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 19:26:36 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDCHEM\S\DATA\080808\S6553.D (8 Aug 2008 17:31)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.00	114	414850	125.00	ng	0.00 100.58%
43) CI20	Chlorobenzene-D5	7.19	82	207321	125.00	ng	0.00 99.64%
63) CI30	1,4-Dichlorobenzene-	9.06	152	168200	125.00	ng	0.00 99.00%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.44	111	7058	5.99	NG	0.00
Spiked Amount	125.000	Range	70 - 130		Recovery =		4.79%#
31) CS15	1,2-Dichloroethane-D	4.69	65	8714	5.94	ng	0.00
Spiked Amount	125.000	Range	66 - 137		Recovery =		4.75%#
44) CS05	Toluene-D8	6.07	98	30008	6.30	ng	0.00
Spiked Amount	125.000	Range	71 - 126		Recovery =		5.04%#
62) CS10	p-Bromofluorobenzene	8.12	174	7986	6.27	ng	0.00
Spiked Amount	125.000	Range	73 - 120		Recovery =		5.02%#
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.29	85	5893	4.77	ng	# 100
3) C010	Chloromethane	1.46	50	8556	5.74	ng	95
4) C020	Vinyl chloride	1.54	62	6939	5.12	ng	95
5) C015	Bromomethane	1.82	94	1858	9.51	ng	92
6) C025	Chloroethane	1.90	64	1501	5.09	ng	98
7) C275	Trichlorofluorometha	2.11	101	7865	5.07	ng	99
8) C045	1,1-Dichloroethene	2.59	96	7259	6.04	ng	94
9) C030	Methylene chloride	3.06	84	28899	13.06	ng	95
10) C040	Carbon disulfide	2.77	76	23052	5.93	ng	96
11) C036	Acrolein	2.58	56	20557	109.80	ng	100
12) C038	Acrylonitrile	3.31	53	11607	26.72	ng	93
13) C035	Acetone	2.75	43	18283	44.96	ng	95
14) C300	Acetonitrile	3.00	41	38803	231.98	ng	95
15) C276	Iodomethane	2.74	142	7035	6.18	ng	87
16) C291	1,1,2-Trichloro-1,2,	2.57	101	5397	4.57	ng	89
17) C962	T-butyl Methyl Ether	3.28	73	15474	4.89	ng	89
18) C057	trans-1,2-Dichloroet	3.25	96	8400	6.04	ng	93
19) C255	Methyl Acetate	3.00	43	16296	9.46	ng	96
20) C050	1,1-Dichloroethane	3.61	63	14708	5.73	ng	97
21) C125	Vinyl Acetate	3.67	43	67648	25.52	ng	99
22) C051	2,2-Dichloropropane	4.04	77	11154	5.54	ng	94
23) C056	cis-1,2-Dichloroethe	4.07	96	8773	5.84	ng	97
24) C272	Tetrahydrofuran	4.35	42	8149	25.61	ng	91
25) C222	Bromochloromethane	4.26	128	3657	5.97	ng	# 71
27) C060	Chloroform	4.32	83	13830	5.91	ng	92
28) C115	1,1,1-Trichloroethan	4.42	97	11543	5.60	ng	96
29) C120	Carbon tetrachloride	4.53	117	9035	5.59	ng	90
30) C116	1,1-Dichloropropene	4.54	75	10648	5.77	ng	98
32) C165	Benzene	4.71	78	33217	5.85	ng	100
33) C065	1,2-Dichloroethane	4.75	62	10325	5.49	ng	92
34) C110	2-Butanone	4.15	43	13719	26.57	ng	92
35) C256	Cyclohexane	4.43	56	12209	4.76	ng	92
36) C150	Trichloroethene	5.18	95	8431	5.94	ng	82
37) C140	1,2-Dichloropropane	5.36	63	7970	5.72	ng	86
38) C278	Dibromomethane	5.47	93	4275	5.91	ng	# 74

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\S\DATA\080808\S6558.D Vial: 10
Acq On : 8 Aug 2008 19:28 Operator: LH
Sample : VSTD001 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 20:28:04 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 19:26:36 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDCHEM\S\DATA\080808\S6553.D (8 Aug 2008 17:31)

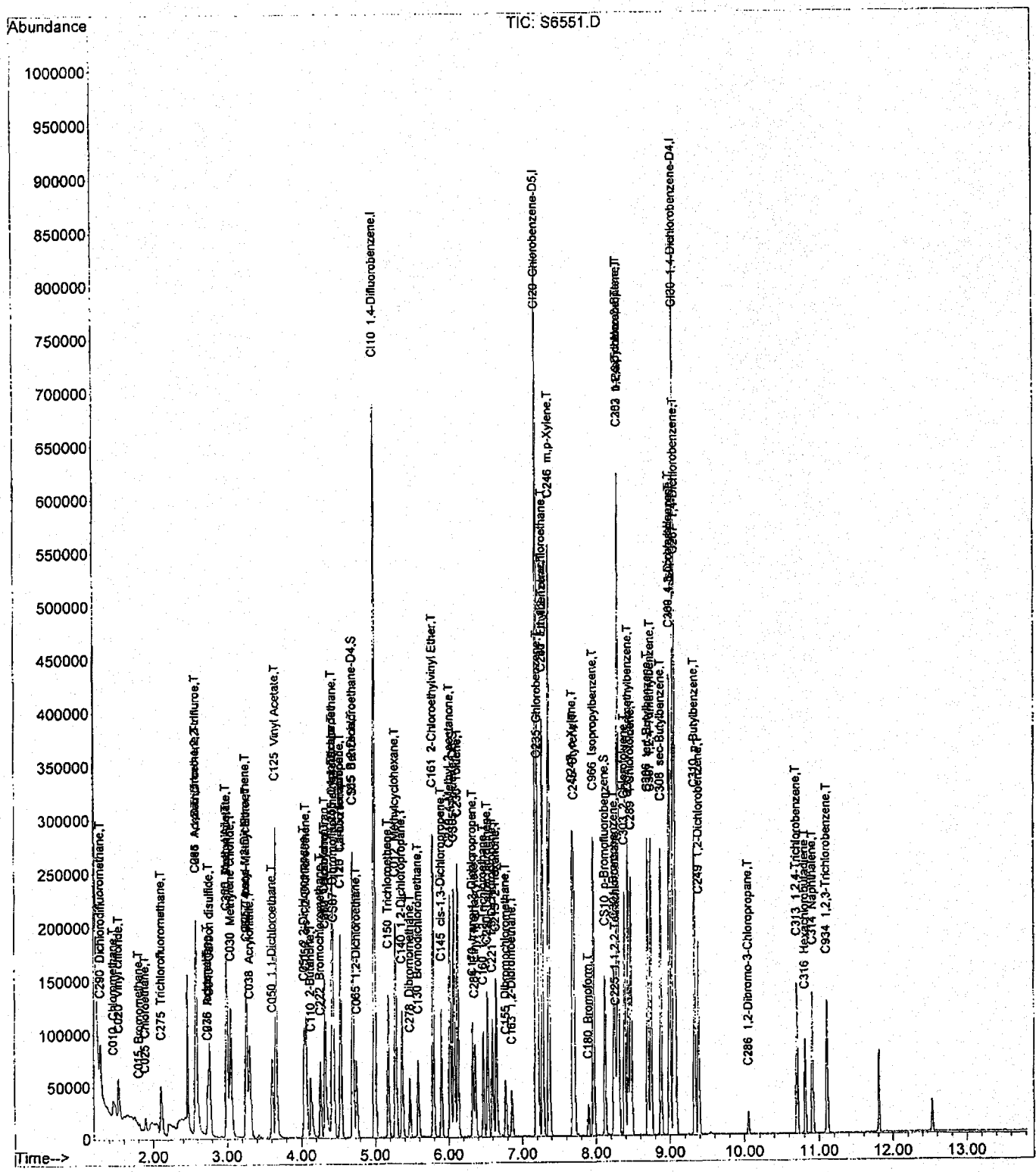
Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
39) C130	Bromodichloromethane	5.59	83	8801	5.38	ng		99
40) C161	2-Chloroethylvinyl E	5.79	63	17978	25.79	ng		95
41) C012	Methylcyclohexane	5.28	83	10881	4.58	ng		93
42) C145	cis-1,3-Dichloroprop	5.90	75	11907	5.61	ng		99
45) C230	Toluene	6.13	92	20392	5.95	ng		93
46) C170	trans-1,3-Dichloropr	6.33	75	10113	5.41	ng		96
47) C284	Ethyl Methacrylate	6.37	69	6098	4.61	ng	#	91
48) C160	1,1,2-Trichloroethan	6.48	83	4499	5.24	ng		92
49) C210	4-Methyl-2-pentanone	6.03	43	25136	24.88	ng		98
50) C220	Tetrachloroethene	6.54	166	7698	6.07	ng		90
51) C221	1,3-Dichloropropane	6.60	76	10904	5.74	ng		99
52) C155	Dibromochloromethane	6.78	129	5272	5.18	ng		84
53) C163	1,2-Dibromoethane	6.86	107	5849	5.72	ng		92
54) C215	2-Hexanone	6.65	43	17403	25.14	ng		98
55) C235	Chlorobenzene	7.22	112	21976	6.13	ng		96
56) C281	1,1,1,2-Tetrachloroe	7.29	131	6216	5.66	ng		97
57) C240	Ethylbenzene	7.28	91	39899	6.05	ng		97
58) C246	m,p-Xylene	7.37	106	29086	11.97	ng		95
59) C247	o-Xylene	7.69	106	13255	5.67	ng		95
60) C245	Styrene	7.71	104	21039	5.48	ng		92
61) C180	Bromoform	7.90	173	2578	4.73	ng		95
64) C966	Isopropylbenzene	7.97	105	36308	5.70	ng		95
65) C301	Bromobenzene	8.25	156	7835	6.00	ng		85
66) C225	1,1,2,2-Tetrachloroe	8.27	83	6450	5.40	ng		94
67) C282	1,2,3-Trichloropropa	8.30	110	1903	5.34	ng		100
68) C283	t-1,4-Dichloro-2-But	8.30	51	6807	25.73	ng	#	41
69) C302	n-Propylbenzene	8.30	91	46919	5.86	ng		96
70) C303	2-Chlorotoluene	8.39	126	8525	5.96	ng		100
71) C289	4-Chlorotoluene	8.48	126	8528	5.74	ng		100
72) C304	1,3,5-Trimethylbenze	8.44	105	30101	5.76	ng		93
73) C306	tert-Butylbenzene	8.70	134	6525	5.95	ng	#	84
74) C307	1,2,4-Trimethylbenze	8.75	105	28722	5.49	ng		97
75) C308	sec-Butylbenzene	8.88	105	36961	5.68	ng		93
76) C260	1,3-Dichlorobenzene	9.00	146	16228	6.38	ng		93
77) C309	4-Isopropyltoluene	8.99	119	30261	5.57	ng		97
78) C267	1,4-Dichlorobenzene	9.08	146	17815	6.62	ng		93
79) C249	1,2-Dichlorobenzene	9.39	146	14497	5.86	ng		91
80) C310	n-Butylbenzene	9.34	91	30757	5.65	ng		91
81) C286	1,2-Dibromo-3-Chloro	10.05	75	1071	4.75	ng	#	68
82) C313	1,2,4-Trichlorobenze	10.71	180	9812	6.30	ng		96
83) C316	Hexachlorobutadiene	10.81	225	4492	6.24	ng		96
84) C314	Naphthalene	10.92	128	24477	6.08	ng		96
85) C934	1,2,3-Trichlorobenze	11.11	180	8178	5.69	ng		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\S\DATA\080808\S6551.D Vial: 3
Acq On : 8 Aug 2008 16:45 Operator: LH
Sample : VSTD005 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 08 18:12:25 2008 Results File: A8I0000...IXPT.RES
Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:09:35 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\S\DATA\080808\S6551.D Vial: 3
Acq On : 8 Aug 2008 16:45 Operator: LH
Sample : VSTD005 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 18:12:25 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:09:35 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\080808\S6553.D (8 Aug 2008 17:31)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.99	114	414785	125.00	ng	0.00 100.56%
43) CI20	Chlorobenzene-D5	7.19	82	209684	125.00	ng	0.00 100.78%
63) CI30	1,4-Dichlorobenzene-	9.06	152	171482	125.00	ng	0.00 100.93%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.44	111	28915	24.84	NG	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery =	19.87%#		
31) CS15	1,2-Dichloroethane-D	4.69	65	34046	23.49	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery =	18.79%#		
44) CS05	Toluene-D8	6.07	98	119398	25.11	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery =	20.09%#		
62) CS10	p-Bromofluorobenzene	8.12	174	31139	24.81	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery =	19.85%#		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.29	85	30260	27.89	ng	# 100
3) C010	Chloromethane	1.47	50	38457	28.27	ng	96
4) C020	Vinyl chloride	1.54	62	33419	26.51	ng	88
5) C015	Bromomethane	1.81	94	2153	6.29	ng	# 56
6) C025	Chloroethane	1.90	64	8178	31.27	ng	86
7) C275	Trichlorofluorometha	2.11	101	37826	30.90	ng	93
8) C045	1,1-Dichloroethene	2.59	96	29116	26.99	ng	99
9) C030	Methylene chloride	3.06	84	43124	25.75	ng	93
10) C040	Carbon disulfide	2.77	76	95472	326.31	ng	99
11) C036	Acrolein	2.58	56	94101	547.42	ng	99
12) C038	Acrylonitrile	3.31	53	53878	117.37	ng	93
13) C035	Acetone	2.74	43	45242	117.81	ng	94
14) C300	Acetonitrile	3.00	41	162192	910.11	ng	99
15) C276	Iodomethane	2.74	142	12135	29.82	ng	94
16) C291	1,1,2-Trichloro-1,2,	2.58	101	31127	168.38	ng	88
17) C962	T-butyl Methyl Ether	3.27	73	80283	26.36	ng	91
18) C057	trans-1,2-Dichloroet	3.25	96	33256	26.19	ng	93
19) C255	Methyl Acetate	3.00	43	38658	21.41	ng	96
20) C050	1,1-Dichloroethane	3.61	63	62771	25.99	ng	96
21) C125	Vinyl Acetate	3.66	43	334355	156.43	ng	100
22) C051	2,2-Dichloropropane	4.04	77	47536	26.34	ng	97
23) C056	cis-1,2-Dichloroethe	4.07	96	36478	25.91	ng	94
24) C272	Tetrahydrofuran	4.33	42	38716	108.63	ng	93
25) C222	Bromochloromethane	4.26	128	14757	24.55	ng	# 81
27) C060	Chloroform	4.32	83	56563	25.54	ng	98
28) C115	1,1,1-Trichloroethan	4.42	97	48504	26.23	ng	95
29) C120	Carbon tetrachloride	4.53	117	36334	24.67	ng	94
30) C116	1,1-Dichloropropene	4.54	75	44460	26.97	ng	94
32) C165	Benzene	4.70	78	141405	26.51	ng	99
33) C065	1,2-Dichloroethane	4.75	62	44619	24.17	ng	95
34) C110	2-Butanone	4.13	43	63719	108.29	ng	100
35) C256	Cyclohexane	4.43	56	67783	92.51	ng	96
36) C150	Trichloroethene	5.18	95	34555	26.75	ng	88
37) C140	1,2-Dichloropropane	5.36	63	33817	24.73	ng	99
38) C278	Dibromomethane	5.47	93	17124	23.82	ng	# 81

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\S\DATA\080808\S6551.D Vial: 3
Acq On : 8 Aug 2008 16:45 Operator: LH
Sample : VSTD005 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 18:12:25 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:09:35 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\080808\S6553.D (8 Aug 2008 17:31)

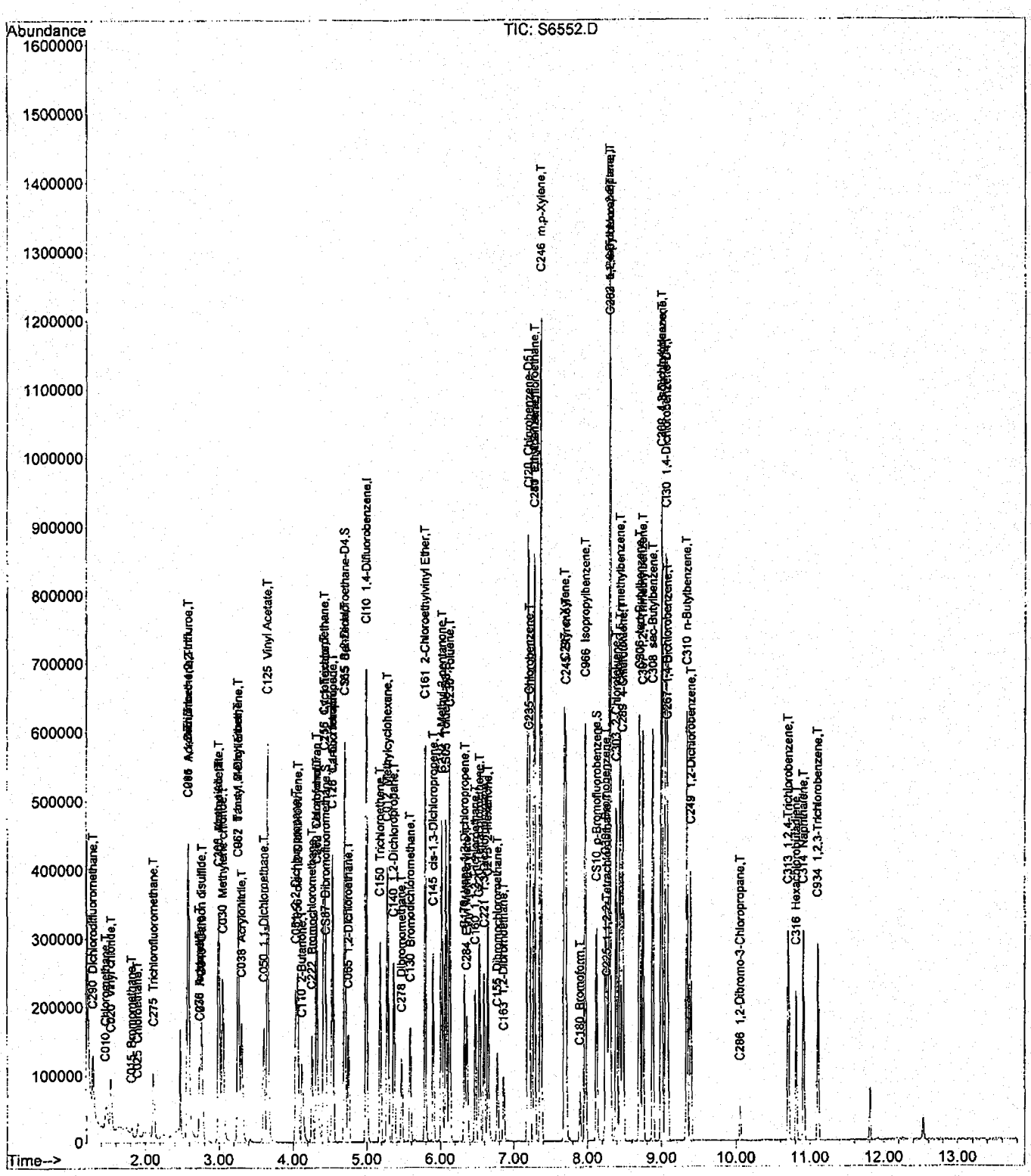
Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
39) C130	Bromodichloromethane	5.58	83	37847	23.64	ng		99
40) C161	2-Chloroethylvinyl E	5.79	63	91309	117.15	ng		97
41) C012	Methylcyclohexane	5.28	83	63808	55.93	ng		93
42) C145	cis-1,3-Dichloroprop	5.90	75	49780	24.34	ng		99
45) C230	Toluene	6.13	92	86004	26.29	ng		93
46) C170	trans-1,3-Dichloropr	6.33	75	41840	22.48	ng		99
47) C284	Ethyl Methacrylate	6.37	69	32897	21.49	ng	#	97
48) C160	1,1,2-Trichloroethan	6.48	83	20724	23.17	ng		98
49) C210	4-Methyl-2-pentanone	6.02	43	127142	108.99	ng		97
50) C220	Tetrachloroethene	6.54	166	31524	27.37	ng		93
51) C221	1,3-Dichloropropane	6.60	76	46183	23.63	ng		95
52) C155	Dibromochloromethane	6.78	129	23508	22.26	ng		99
53) C163	1,2-Dibromoethane	6.86	107	24970	23.36	ng		96
54) C215	2-Hexanone	6.65	43	86995	106.42	ng		99
55) C235	Chlorobenzene	7.22	112	89592	25.99	ng		99
56) C281	1,1,1,2-Tetrachloroe	7.29	131	27363	25.53	ng		96
57) C240	Ethylbenzene	7.28	91	167068	27.15	ng		99
58) C246	m,p-Xylene	7.37	106	124882	54.23	ng		96
59) C247	o-Xylene	7.69	106	57924	25.36	ng		92
60) C245	Styrene	7.71	104	94127	25.13	ng		98
61) C180	Bromoform	7.90	173	12176	20.10	ng		93
64) C966	Isopropylbenzene	7.97	105	157447	26.47	ng		97
65) C301	Bromobenzene	8.25	156	32105	25.11	ng	#	75
66) C225	1,1,2,2-Tetrachloroe	8.27	83	28751	22.41	ng		99
67) C282	1,2,3-Trichloropropa	8.30	110	9169	24.26	ng		100
68) C283	t-1,4-Dichloro-2-But	8.30	51	34071	126.16	ng	#	41
69) C302	n-Propylbenzene	8.30	91	202284	27.15	ng		92
70) C303	2-Chlorotoluene	8.39	126	35012	25.47	ng		100
71) C289	4-Chlorotoluene	8.48	126	36231	25.52	ng		100
72) C304	1,3,5-Trimethylbenze	8.44	105	128583	26.10	ng		97
73) C306	tert-Butylbenzene	8.70	134	27021	26.46	ng	#	85
74) C307	1,2,4-Trimethylbenze	8.75	105	128301	25.85	ng		97
75) C308	sec-Butylbenzene	8.88	105	154006	25.72	ng		92
76) C260	1,3-Dichlorobenzene	9.00	146	63800	26.33	ng		95
77) C309	4-Isopropyltoluene	8.99	119	133466	26.69	ng		97
78) C267	1,4-Dichlorobenzene	9.07	146	65693	25.71	ng		92
79) C249	1,2-Dichlorobenzene	9.39	146	61001	25.47	ng		95
80) C310	n-Butylbenzene	9.34	91	127123	25.56	ng		94
81) C286	1,2-Dibromo-3-Chloro	10.05	75	4990	19.89	ng	#	51
82) C313	1,2,4-Trichlorobenze	10.71	180	34827	23.69	ng		99
83) C316	Hexachlorobutadiene	10.81	225	14503	25.71	ng		90
84) C314	Naphthalene	10.92	128	88048	21.17	ng		98
85) C934	1,2,3-Trichlorobenze	11.11	180	32297	24.25	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\S\DATA\080808\S6552.D Vial: 4
Acq On : 8 Aug 2008 17:08 Operator: LH
Sample : VSTD010 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 08 18:13:13 2008 Results File: A8I0000...IXPT.RES
Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:09:35 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\S\DATA\080808\S6552.D Vial: 4
Acq On : 8 Aug 2008 17:08 Operator: LH
Sample : VSTD010 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 18:13:13 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:09:35 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\080808\S6553.D (8 Aug 2008 17:31)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.00	114	418386	125.00	ng	0.00
							101.44%
43) CI20	Chlorobenzene-D5	7.19	82	212016	125.00	ng	0.00
							101.90%
63) CI30	1,4-Dichlorobenzene-	9.06	152	166548	125.00	ng	0.00
							98.03%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.45	111	58091	49.47	NG	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery =	39.58%#		
31) CS15	1,2-Dichloroethane-D	4.69	65	72589	49.65	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery =	39.72%#		
44) CS05	Toluene-D8	6.07	98	241339	50.20	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery =	40.16%#		
62) CS10	p-Bromofluorobenzene	8.12	174	64574	50.89	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery =	40.71%#		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.29	85	61892	56.56	ng	# 100
3) C010	Chloromethane	1.47	50	74417	54.23	ng	98
4) C020	Vinyl chloride	1.54	62	68380	53.77	ng	86
5) C015	Bromomethane	1.82	94	5663	16.39	ng	72
6) C025	Chloroethane	1.90	64	14243	53.99	ng	89
7) C275	Trichlorofluorometha	2.11	101	77217	62.54	ng	98
8) C045	1,1-Dichloroethene	2.59	96	65188	59.92	ng	99
9) C030	Methylene chloride	3.05	84	82507	48.83	ng	97
10) C040	Carbon disulfide	2.76	76	185622	628.97	ng	100
11) C036	Acrolein	2.58	56	190665	1099.63	ng	97
12) C038	Acrylonitrile	3.31	53	108923	235.24	ng	92
13) C035	Acetone	2.74	43	88244	227.80	ng	99
14) C300	Acetonitrile	3.00	41	330923	1840.92	ng	100
15) C276	Iodomethane	2.73	142	40689	99.13	ng	97
16) C291	1,1,2-Trichloro-1,2,	2.58	101	62570	335.56	ng	89
17) C962	T-butyl Methyl Ether	3.26	73	161629	52.61	ng	90
18) C057	trans-1,2-Dichloroet	3.25	96	73617	57.48	ng	98
19) C255	Methyl Acetate	2.99	43	69991	38.43	ng	97
20) C050	1,1-Dichloroethane	3.61	63	134961	55.39	ng	98
21) C125	Vinyl Acetate	3.66	43	683925	317.22	ng	100
22) C051	2,2-Dichloropropane	4.04	77	105346	57.87	ng	97
23) C056	cis-1,2-Dichloroethe	4.07	96	79531	56.00	ng	92
24) C272	Tetrahydrofuran	4.32	42	82639	229.87	ng	97
25) C222	Bromochloromethane	4.26	128	31998	52.78	ng	87
27) C060	Chloroform	4.32	83	122644	54.90	ng	99
28) C115	1,1,1-Trichloroethan	4.42	97	109425	58.67	ng	95
29) C120	Carbon tetrachloride	4.53	117	83911	56.48	ng	96
30) C116	1,1-Dichloropropene	4.54	75	98558	59.27	ng	97
32) C165	Benzene	4.70	78	306386	56.95	ng	99
33) C065	1,2-Dichloroethane	4.75	62	98646	52.97	ng	95
34) C110	2-Butanone	4.12	43	129506	218.20	ng	99
35) C256	Cyclohexane	4.43	56	138140	186.91	ng	93
36) C150	Trichloroethene	5.18	95	75754	58.15	ng	88
37) C140	1,2-Dichloropropane	5.37	63	75294	54.59	ng	99
38) C278	Dibromomethane	5.47	93	37136	51.21	ng	# 81

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\S\DATA\080808\S6552.D Vial: 4
Acq On : 8 Aug 2008 17:08 Operator: LH
Sample : VSTD010 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 18:13:13 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:09:35 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\080808\S6553.D (8 Aug 2008 17:31)

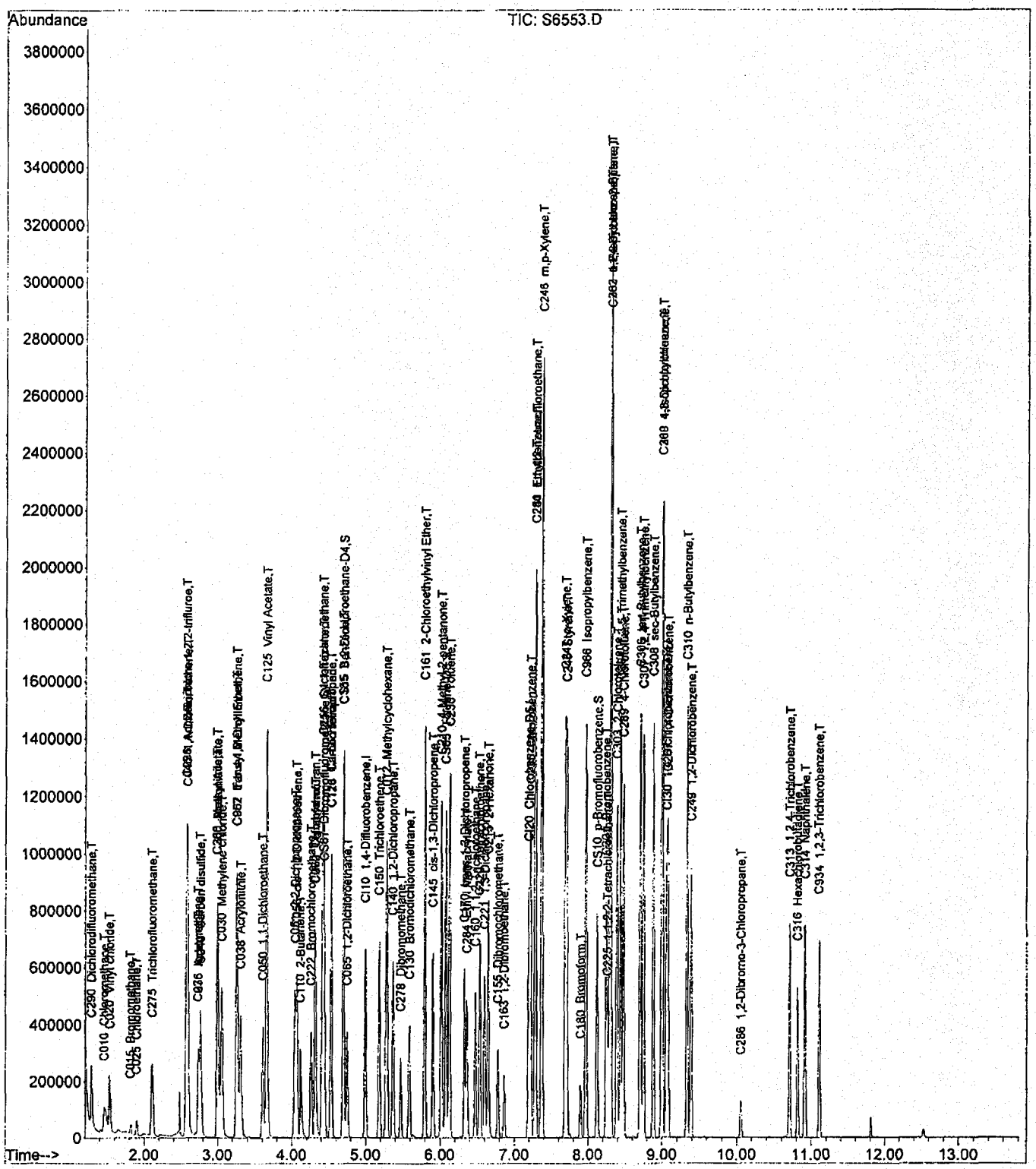
Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
39) C130	Bromodichloromethane	5.59	83	85590	53.00	ng		99
40) C161	2-Chloroethylvinyl E	5.79	63	184111	234.18	ng		97
41) C012	Methylcyclohexane	5.28	83	124751	108.41	ng		94
42) C145	cis-1,3-Dichloroprop	5.90	75	109184	52.92	ng		98
45) C230	Toluene	6.13	92	186403	56.35	ng		92
46) C170	trans-1,3-Dichloropr	6.33	75	95108	50.54	ng		96
47) C284	Ethyl Methacrylate	6.36	69	68851	44.49	ng	#	96
48) C160	1,1,2-Trichloroethan	6.48	83	46638	51.58	ng		98
49) C210	4-Methyl-2-pentanone	6.02	43	266407	225.87	ng		98
50) C220	Tetrachloroethene	6.54	166	68806	59.08	ng		93
51) C221	1,3-Dichloropropane	6.60	76	102569	51.91	ng		99
52) C155	Dibromochloromethane	6.78	129	53560	50.16	ng		95
53) C163	1,2-Dibromoethane	6.86	107	54777	50.68	ng		98
54) C215	2-Hexanone	6.65	43	181458	219.53	ng		98
55) C235	Chlorobenzene	7.22	112	192422	55.22	ng		97
56) C281	1,1,1,2-Tetrachloroe	7.29	131	60254	55.59	ng		95
57) C240	Ethylbenzene	7.28	91	357516	57.47	ng		99
58) C246	m,p-Xylene	7.37	106	271121	116.45	ng		96
59) C247	o-Xylene	7.69	106	128826	55.79	ng		92
60) C245	Styrene	7.70	104	210226	55.50	ng		98
61) C180	Bromoform	7.90	173	28747	46.93	ng		100
64) C966	Isopropylbenzene	7.97	105	341792	59.16	ng		97
65) C301	Bromobenzene	8.25	156	68849	55.44	ng	#	77
66) C225	1,1,2,2-Tetrachloroe	8.27	83	63395	50.88	ng		96
67) C282	1,2,3-Trichloropropa	8.30	110	19951	54.35	ng		100
68) C283	t-1,4-Dichloro-2-But	8.30	51	69270	264.09	ng	#	44
69) C302	n-Propylbenzene	8.30	91	441593	61.03	ng		92
70) C303	2-Chlorotoluene	8.39	126	77258	57.86	ng		100
71) C289	4-Chlorotoluene	8.48	126	78885	57.22	ng		100
72) C304	1,3,5-Trimethylbenze	8.44	105	278459	58.19	ng		93
73) C306	tert-Butylbenzene	8.70	134	58403	58.88	ng	#	76
74) C307	1,2,4-Trimethylbenze	8.75	105	278639	57.81	ng		95
75) C308	sec-Butylbenzene	8.88	105	348073	59.84	ng		92
76) C260	1,3-Dichlorobenzene	9.01	146	135076	57.40	ng		98
77) C309	4-Isopropyltoluene	8.99	119	294566	60.65	ng		98
78) C267	1,4-Dichlorobenzene	9.08	146	138755	55.90	ng		95
79) C249	1,2-Dichlorobenzene	9.39	146	128018	55.05	ng		95
80) C310	n-Butylbenzene	9.34	91	283220	58.62	ng		93
81) C286	1,2-Dibromo-3-Chloro	10.05	75	10996	45.13	ng	#	64
82) C313	1,2,4-Trichlorobenze	10.71	180	77855	54.52	ng		100
83) C316	Hexachlorobutadiene	10.82	225	32740	59.77	ng		93
84) C314	Naphthalene	10.92	128	199143	49.31	ng		99
85) C934	1,2,3-Trichlorobenze	11.11	180	69919	54.06	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\S\DATA\080808\S6553.D Vial: 5
Acq On : 8 Aug 2008 17:31 Operator: LH
Sample : VSTD025 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 08 18:09:43 2008 Results File: A8I0000...IXPT.RES
Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:09:35 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\S\DATA\080808\S6553.D Vial: 5
Acq On : 8 Aug 2008 17:31 Operator: LH
Sample : VSTD025 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 18:09:43 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:09:35 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\080808\S6553.D (8 Aug 2008 17:31)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.00	114	412464	125.00	ng	0.00 100.00%
43) CI20	Chlorobenzene-D5	7.19	82	208069	125.00	ng	0.00 100.00%
63) CI30	1,4-Dichlorobenzene-	9.06	152	169902	125.00	ng	0.00 100.00%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.44	111	143902	124.30	NG	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery =	99.44%		
31) CS15	1,2-Dichloroethane-D	4.69	65	180534	125.25	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery =	100.20%		
44) CS05	Toluene-D8	6.07	98	585846	124.17	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery =	99.34%		
62) CS10	p-Bromofluorobenzene	8.12	174	154606	124.16	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery =	99.33%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.29	85	164885	152.83	ng	# 100
3) C010	Chloromethane	1.46	50	189536	140.11	ng	99
4) C020	Vinyl chloride	1.54	62	176712	140.95	ng	86
5) C015	Bromomethane	1.82	94	19647	57.69	ng	87
6) C025	Chloroethane	1.90	64	35349	135.92	ng	85
7) C275	Trichlorofluorometha	2.11	101	205437	168.79	ng	99
8) C045	1,1-Dichloroethene	2.59	96	153032	142.67	ng	99
9) C030	Methylene chloride	3.05	84	180768	108.53	ng	95
10) C040	Carbon disulfide	2.77	76	480020	1649.87	ng	99
11) C036	Acrolein	2.57	56	479778	2806.77	ng	96
12) C038	Acrylonitrile	3.31	53	272517	596.99	ng	91
13) C035	Acetone	2.73	43	216726	567.51	ng	98
14) C300	Acetonitrile	2.99	41	812662	4585.75	ng	99
15) C276	Iodomethane	2.73	142	153006	378.13	ng	100
16) C291	1,1,2-Trichloro-1,2,	2.58	101	163111	887.31	ng	88
17) C962	T-butyl Methyl Ether	3.26	73	414300	136.80	ng	90
18) C057	trans-1,2-Dichloroet	3.25	96	173874	137.71	ng	95
19) C255	Methyl Acetate	2.98	43	157297	87.61	ng	99
20) C050	1,1-Dichloroethane	3.61	63	321245	133.74	ng	98
21) C125	Vinyl Acetate	3.66	43	1739245	818.28	ng	100
22) C051	2,2-Dichloropropane	4.04	77	252628	140.76	ng	98
23) C056	cis-1,2-Dichloroethe	4.07	96	184609	131.85	ng	95
24) C272	Tetrahydrofuran	4.31	42	205230	579.06	ng	98
25) C222	Bromochloromethane	4.26	128	75837	126.88	ng	# 86
27) C060	Chloroform	4.32	83	290297	131.81	ng	100
28) C115	1,1,1-Trichloroethan	4.42	97	259192	140.95	ng	97
29) C120	Carbon tetrachloride	4.53	117	205436	140.26	ng	98
30) C116	1,1-Dichloropropene	4.54	75	230987	140.90	ng	97
32) C165	Benzene	4.70	78	708502	133.58	ng	99
33) C065	1,2-Dichloroethane	4.75	62	230604	125.60	ng	97
34) C110	2-Butanone	4.12	43	327127	559.07	ng	100
35) C256	Cyclohexane	4.43	56	350112	480.52	ng	93
36) C150	Trichloroethene	5.18	95	174525	135.89	ng	88
37) C140	1,2-Dichloropropane	5.36	63	174874	128.61	ng	98
38) C278	Dibromomethane	5.47	93	86563	121.07	ng	86

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\S\DATA\080808\S6553.D Vial: 5
Acq On : 8 Aug 2008 17:31 Operator: LH
Sample : VSTD025 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 18:09:43 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:09:35 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\080808\S6553.D (8 Aug 2008 17:31)

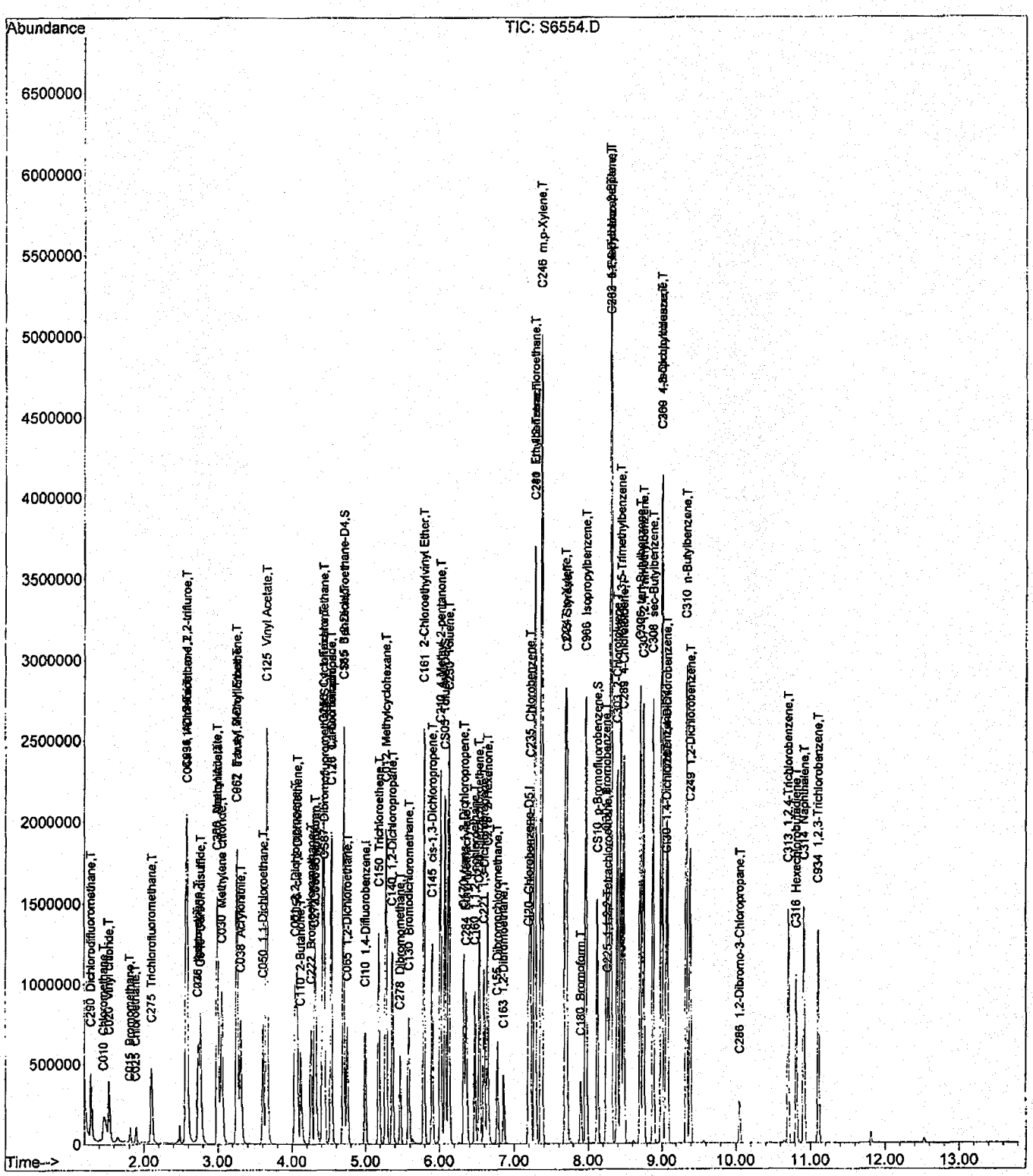
Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
39) C130	Bromodichloromethane	5.59	83	204834	128.66	ng		98
40) C161	2-Chloroethylvinyl E	5.79	63	451487	582.52	ng		97
41) C012	Methylcyclohexane	5.28	83	323367	285.04	ng		94
42) C145	cis-1,3-Dichloroprop	5.90	75	259453	127.56	ng		99
45) C230	Toluene	6.13	92	428558	132.02	ng		91
46) C170	trans-1,3-Dichloropr	6.33	75	231132	125.14	ng		95
47) C284	Ethyl Methacrylate	6.36	69	179560	118.23	ng	#	97
48) C160	1,1,2-Trichloroethan	6.48	83	107132	120.73	ng		99
49) C210	4-Methyl-2-pentanone	6.01	43	665587	575.02	ng		98
50) C220	Tetrachloroethene	6.54	166	160685	140.58	ng		94
51) C221	1,3-Dichloropropane	6.60	76	238439	122.96	ng		100
52) C155	Dibromochloromethane	6.78	129	129640	123.71	ng		98
53) C163	1,2-Dibromoethane	6.86	107	127866	120.54	ng		96
54) C215	2-Hexanone	6.65	43	449775	554.46	ng		97
55) C235	Chlorobenzene	7.22	112	444056	129.84	ng		96
56) C281	1,1,1,2-Tetrachloroe	7.29	131	143914	135.30	ng		98
57) C240	Ethylbenzene	7.28	91	836895	137.08	ng		97
58) C246	m,p-Xylene	7.37	106	626576	274.22	ng		93
59) C247	o-Xylene	7.69	106	301979	133.26	ng		90
60) C245	Styrene	7.71	104	500865	134.74	ng		99
61) C180	Bromoform	7.90	173	72052	119.86	ng		97
64) C966	Isopropylbenzene	7.97	105	808653	137.21	ng		98
65) C301	Bromobenzene	8.25	156	159577	125.95	ng	#	76
66) C225	1,1,2,2-Tetrachloroe	8.27	83	150844	118.67	ng		98
67) C282	1,2,3-Trichloropropa	8.30	110	45269	120.88	ng		100
68) C283	t-1,4-Dichloro-2-But	8.30	51	173686	649.10	ng	#	45
69) C302	n-Propylbenzene	8.30	91	1034950	140.20	ng		92
70) C303	2-Chlorotoluene	8.39	126	179126	131.50	ng		100
71) C289	4-Chlorotoluene	8.48	126	186951	132.93	ng		100
72) C304	1,3,5-Trimethylbenze	8.44	105	665296	136.27	ng		93
73) C306	tert-Butylbenzene	8.70	134	141587	139.93	ng	#	80
74) C307	1,2,4-Trimethylbenze	8.75	105	658105	133.84	ng		93
75) C308	sec-Butylbenzene	8.88	105	835989	140.89	ng		94
76) C260	1,3-Dichlorobenzene	9.00	146	315256	131.32	ng		94
77) C309	4-Isopropyltoluene	8.99	119	694021	140.07	ng		95
78) C267	1,4-Dichlorobenzene	9.08	146	323462	127.75	ng		97
79) C249	1,2-Dichlorobenzene	9.39	146	303373	127.87	ng		95
80) C310	n-Butylbenzene	9.34	91	691535	140.32	ng		92
81) C286	1,2-Dibromo-3-Chloro	10.05	75	28351	114.05	ng	#	69
82) C313	1,2,4-Trichlorobenze	10.71	180	183861	126.20	ng		100
83) C316	Hexachlorobutadiene	10.81	225	80655	144.33	ng		91
84) C314	Naphthalene	10.92	128	481933	116.97	ng		98
85) C934	1,2,3-Trichlorobenze	11.11	180	165997	125.80	ng		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report TA Buffalo (Not Reviewed)

Data File : D:\MSDCHEM\S\DATA\080808\S6554.D Vial: 6
Acq On : 8 Aug 2008 17:54 Operator: LH
Sample : VSTD050 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 08 18:14:02 2008 Results File: A8I0000...IXPT.RES
Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:09:35 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (Not Reviewed)

Data File : D:\MSDCHEM\S\DATA\080808\S6554.D Vial: 6
Acq On : 8 Aug 2008 17:54 Operator: LH
Sample : VSTD050 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 18:14:02 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:09:35 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\080808\S6553.D (8 Aug 2008 17:31)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.00	114	423817	125.00	ng	0.00 102.75%
43) CI20	Chlorobenzene-D5	7.19	82	218017	125.00	ng	0.00 104.78%
63) CI30	1,4-Dichlorobenzene-	9.06	152	178001	125.00	ng	0.00 104.77%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.44	111	274092	230.41	NG	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery	=	184.33%#	
31) CS15	1,2-Dichloroethane-D	4.69	65	343614	232.00	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery	=	185.60%#	
44) CS05	Toluene-D8	6.07	98	1136418	229.88	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery	=	183.90%#	
62) CS10	p-Bromofluorobenzene	8.12	174	293427	224.89	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery	=	179.91%#	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.29	85	307871	277.72	ng	# 100
3) C010	Chloromethane	1.46	50	347871	250.27	ng	97
4) C020	Vinyl chloride	1.54	62	330506	256.55	ng	86
5) C015	Bromomethane	1.82	94	54338	155.29	ng	83
6) C025	Chloroethane	1.90	64	66817	250.03	ng	88
7) C275	Trichlorofluorometha	2.11	101	374574	299.51	ng	99
8) C045	1,1-Dichloroethene	2.59	96	291010	264.04	ng	96
9) C030	Methylene chloride	3.05	84	335295	195.91	ng	99
10) C040	Carbon disulfide	2.77	76	901692	3016.17	ng	99
11) C036	Acrolein	2.57	56	886182	5045.42	ng	96
12) C038	Acrylonitrile	3.31	53	510219	1087.77	ng	92
13) C035	Acetone	2.73	43	408805	1041.81	ng	99
14) C300	Acetonitrile	2.99	41	1511929	8303.08	ng	99
15) C276	Iodomethane	2.73	142	355989	856.21	ng	99
16) C291	1,1,2-Trichloro-1,2,	2.57	101	297314	1574.05	ng	88
17) C962	T-butyl Methyl Ether	3.26	73	789198	253.61	ng	91
18) C057	trans-1,2-Dichloroet	3.25	96	323891	249.65	ng	95
19) C255	Methyl Acetate	2.98	43	308978	167.48	ng	100
20) C050	1,1-Dichloroethane	3.61	63	611741	247.86	ng	100
21) C125	Vinyl Acetate	3.65	43	3136837	1436.28	ng	100
22) C051	2,2-Dichloropropane	4.04	77	488056	264.66	ng	96
23) C056	cis-1,2-Dichloroethe	4.07	96	348686	242.36	ng	94
24) C272	Tetrahydrofuran	4.30	42	382584	1050.56	ng	96
25) C222	Bromochloromethane	4.26	128	142449	231.94	ng	89
27) C060	Chloroform	4.32	83	556188	245.77	ng	99
28) C115	1,1,1-Trichloroethan	4.42	97	504628	267.08	ng	98
29) C120	Carbon tetrachloride	4.53	117	410374	272.67	ng	98
30) C116	1,1-Dichloropropene	4.54	75	449543	266.88	ng	98
32) C165	Benzene	4.70	78	1332017	244.41	ng	99
33) C065	1,2-Dichloroethane	4.75	62	444171	235.43	ng	97
34) C110	2-Butanone	4.12	43	609944	1014.48	ng	99
35) C256	Cyclohexane	4.43	56	639810	854.61	ng	94
36) C150	Trichloroethene	5.18	95	332719	252.12	ng	89
37) C140	1,2-Dichloropropane	5.36	63	336320	240.72	ng	98
38) C278	Dibromomethane	5.47	93	167383	227.84	ng	84

Quantitation Report TA Buffalo (Not Reviewed)

Data File : D:\MSDCHEM\S\DATA\080808\S6554.D Vial: 6
Acq On : 8 Aug 2008 17:54 Operator: LH
Sample : VSTD050 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 18:14:02 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:09:35 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\080808\S6553.D (8 Aug 2008 17:31)

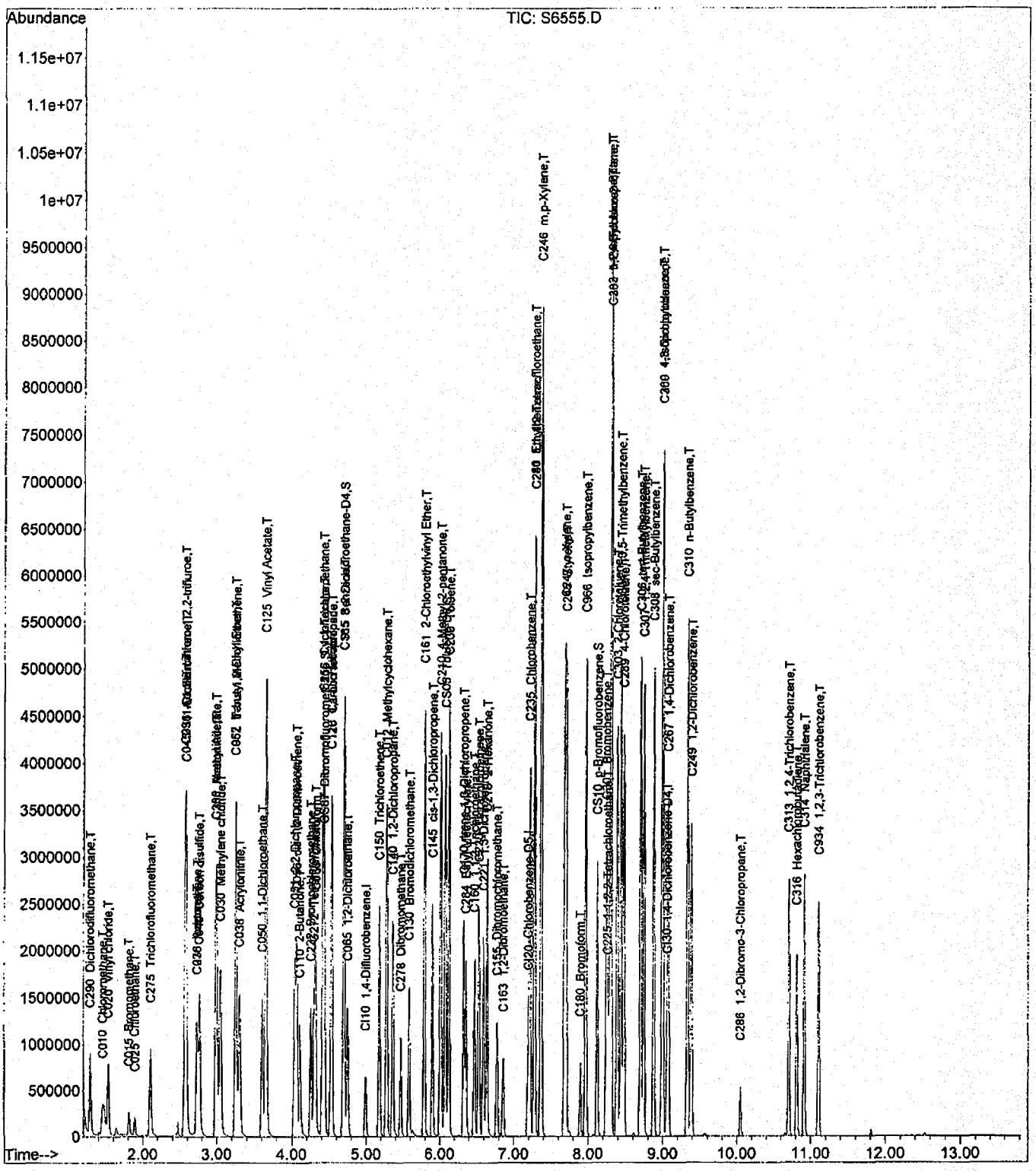
Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
39) C130	Bromodichloromethane	5.59	83	404209	247.09	ng		98
40) C161	2-Chloroethylvinyl E	5.79	63	834864	1048.30	ng		96
41) C012	Methylcyclohexane	5.28	83	600440	515.10	ng		93
42) C145	cis-1,3-Dichloroprop	5.90	75	509915	243.99	ng		98
45) C230	Toluene	6.13	92	833570	245.06	ng		95
46) C170	trans-1,3-Dichloropr	6.33	75	457998	236.66	ng		98
47) C284	Ethyl Methacrylate	6.36	69	350089	219.99	ng	#	98
48) C160	1,1,2-Trichloroethan	6.48	83	208720	224.47	ng		99
49) C210	4-Methyl-2-pentanone	6.01	43	1260651	1039.41	ng		97
50) C220	Tetrachloroethene	6.54	166	306175	255.65	ng		93
51) C221	1,3-Dichloropropane	6.60	76	458869	225.84	ng		99
52) C155	Dibromochloromethane	6.78	129	261826	238.44	ng		99
53) C163	1,2-Dibromoethane	6.86	107	247855	222.99	ng		96
54) C215	2-Hexanone	6.65	43	863541	1015.95	ng		97
55) C235	Chlorobenzene	7.22	112	858115	239.46	ng		95
56) C281	1,1,1,2-Tetrachloroe	7.29	131	273623	245.50	ng		95
57) C240	Ethylbenzene	7.28	91	1581557	247.23	ng		97
58) C246	m,p-Xylene	7.37	106	1145757	478.56	ng		90
59) C247	o-Xylene	7.69	106	570145	240.12	ng		90
60) C245	Styrene	7.70	104	957038	245.70	ng		96
61) C180	Bromoform	7.90	173	148114	235.14	ng		100
64) C966	Isopropylbenzene	7.97	105	1570307	254.33	ng		96
65) C301	Bromobenzene	8.25	156	313397	236.11	ng	#	75
66) C225	1,1,2,2-Tetrachloroe	8.27	83	294532	221.17	ng		99
67) C282	1,2,3-Trichloropropa	8.30	110	82877	211.24	ng		100
68) C283	t-1,4-Dichloro-2-But	8.31	51	317684	1133.22	ng	#	46
69) C302	n-Propylbenzene	8.30	91	1910801	247.07	ng		91
70) C303	2-Chlorotoluene	8.39	126	347296	243.36	ng		100
71) C289	4-Chlorotoluene	8.48	126	357518	242.64	ng		100
72) C304	1,3,5-Trimethylbenze	8.44	105	1291098	252.42	ng		94
73) C306	tert-Butylbenzene	8.70	134	270953	255.60	ng	#	76
74) C307	1,2,4-Trimethylbenze	8.75	105	1267122	245.98	ng		94
75) C308	sec-Butylbenzene	8.88	105	1621345	260.81	ng		93
76) C260	1,3-Dichlorobenzene	9.01	146	573876	228.17	ng		97
77) C309	4-Isopropyltoluene	8.99	119	1314475	253.22	ng		95
78) C267	1,4-Dichlorobenzene	9.08	146	616945	232.57	ng		95
79) C249	1,2-Dichlorobenzene	9.39	146	583069	234.58	ng		95
80) C310	n-Butylbenzene	9.34	91	1353837	262.20	ng		92
81) C286	1,2-Dibromo-3-Chloro	10.05	75	57131	219.38	ng	#	71
82) C313	1,2,4-Trichlorobenze	10.71	180	361443	236.81	ng		97
83) C316	Hexachlorobutadiene	10.82	225	155539	265.66	ng		96
84) C314	Naphthalene	10.92	128	944340	218.78	ng		98
85) C934	1,2,3-Trichlorobenze	11.11	180	321391	232.49	ng		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\S\DATA\080808\S6555.D Vial: 7
Acq On : 8 Aug 2008 18:16 Operator: LH
Sample : VSTD100 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 08 18:40:35 2008 Results File: A8I0000...IXPT.RES
Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:40:28 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\S\DATA\080808\S6555.D Vial: 7
Acq On : 8 Aug 2008 18:16 Operator: LH
Sample : VSTD100 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 18:40:35 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:40:28 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDCHEM\S\DATA\080808\S6553.D (8 Aug 2008 17:31)

	Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1)	CI10	1,4-Difluorobenzene	5.00	114	401610	125.00	ng	0.00 97.37%
43)	CI20	Chlorobenzene-D5	7.19	82	208069	125.00	ng	0.00 100.00%
63)	CI30	1,4-Dichlorobenzene-	9.06	152	165615	125.00	ng	0.00 97.48%
	System Monitoring Compounds							
26)	CS87	Dibromofluoromethane	4.44	111	547446	462.63	NG	0.00
	Spiked Amount	125.000	Range	70 - 130		Recovery =	370.10%#	
31)	CS15	1,2-Dichloroethane-D	4.69	65	688779	462.62	ng	0.00
	Spiked Amount	125.000	Range	66 - 137		Recovery =	370.10%#	
44)	CS05	Toluene-D8	6.08	98	2203404	438.35	ng	0.00
	Spiked Amount	125.000	Range	71 - 126		Recovery =	350.68%#	
62)	CS10	p-Bromofluorobenzene	8.12	174	565435	414.69	ng	0.00
	Spiked Amount	125.000	Range	73 - 120		Recovery =	331.75%#	
	Target Compounds							Qvalue
2)	C290	Dichlorodifluorometh	1.29	85	633315	541.95	ng	# 100
3)	C010	Chloromethane	1.46	50	715047	492.54	ng	100
4)	C020	Vinyl chloride	1.54	62	676770	521.64	ng	85
5)	C015	Bromomethane	1.82	94	146763	910.50	ng	86
6)	C025	Chloroethane	1.90	64	135028	489.13	ng	91
7)	C275	Trichlorofluorometha	2.11	101	766611	542.37	ng	98
8)	C045	1,1-Dichloroethene	2.59	96	541096	479.55	ng	93
9)	C030	Methylene chloride	3.05	84	648477	376.85	ng	97
10)	C040	Carbon disulfide	2.77	76	1770382	578.61	ng	99
11)	C036	Acrolein	2.57	56	1692625	9756.09	ng	97
12)	C038	Acrylonitrile	3.31	53	1013898	2494.04	ng	92
13)	C035	Acetone	2.73	43	813997	2315.39	ng	97
14)	C300	Acetonitrile	2.99	41	2915139	18923.28	ng	99
15)	C276	Iodomethane	2.73	142	758029	1055.40	ng	98
16)	C291	1,1,2-Trichloro-1,2,	2.57	101	545077	544.56	ng	# 86
17)	C962	T-butyl Methyl Ether	3.26	73	1545750	515.63	ng	91
18)	C057	trans-1,2-Dichloroet	3.25	96	611157	472.71	ng	91
19)	C255	Methyl Acetate	2.98	43	536738	342.00	ng	100
20)	C050	1,1-Dichloroethane	3.61	63	1211801	498.97	ng	98
21)	C125	Vinyl Acetate	3.65	43	6108711	2536.46	ng	100
22)	C051	2,2-Dichloropropane	4.04	77	978642	518.95	ng	95
23)	C056	cis-1,2-Dichloroethe	4.07	96	674174	476.05	ng	92
24)	C272	Tetrahydrofuran	4.30	42	753676	2476.87	ng	97
25)	C222	Bromochloromethane	4.26	128	277003	478.95	ng	86
27)	C060	Chloroform	4.32	83	1089984	492.74	ng	99
28)	C115	1,1,1-Trichloroethan	4.42	97	983041	513.00	ng	97
29)	C120	Carbon tetrachloride	4.53	117	806939	537.16	ng	99
30)	C116	1,1-Dichloropropene	4.54	75	856839	494.12	ng	99
32)	C165	Benzene	4.70	78	2479851	458.94	ng	100
33)	C065	1,2-Dichloroethane	4.75	62	886482	492.91	ng	98
34)	C110	2-Butanone	4.11	43	1204062	2437.94	ng	99
35)	C256	Cyclohexane	4.43	56	1174824	532.94	ng	94
36)	C150	Trichloroethene	5.18	95	650665	483.53	ng	86
37)	C140	1,2-Dichloropropane	5.36	63	651053	479.80	ng	98
38)	C278	Dibromomethane	5.47	93	329851	487.56	ng	# 83

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\S\DATA\080808\S6555.D Vial: 7
Acq On : 8 Aug 2008 18:16 Operator: LH
Sample : VSTD100 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 18:40:35 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 18:40:28 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDCHEM\S\DATA\080808\S6553.D (8 Aug 2008 17:31)

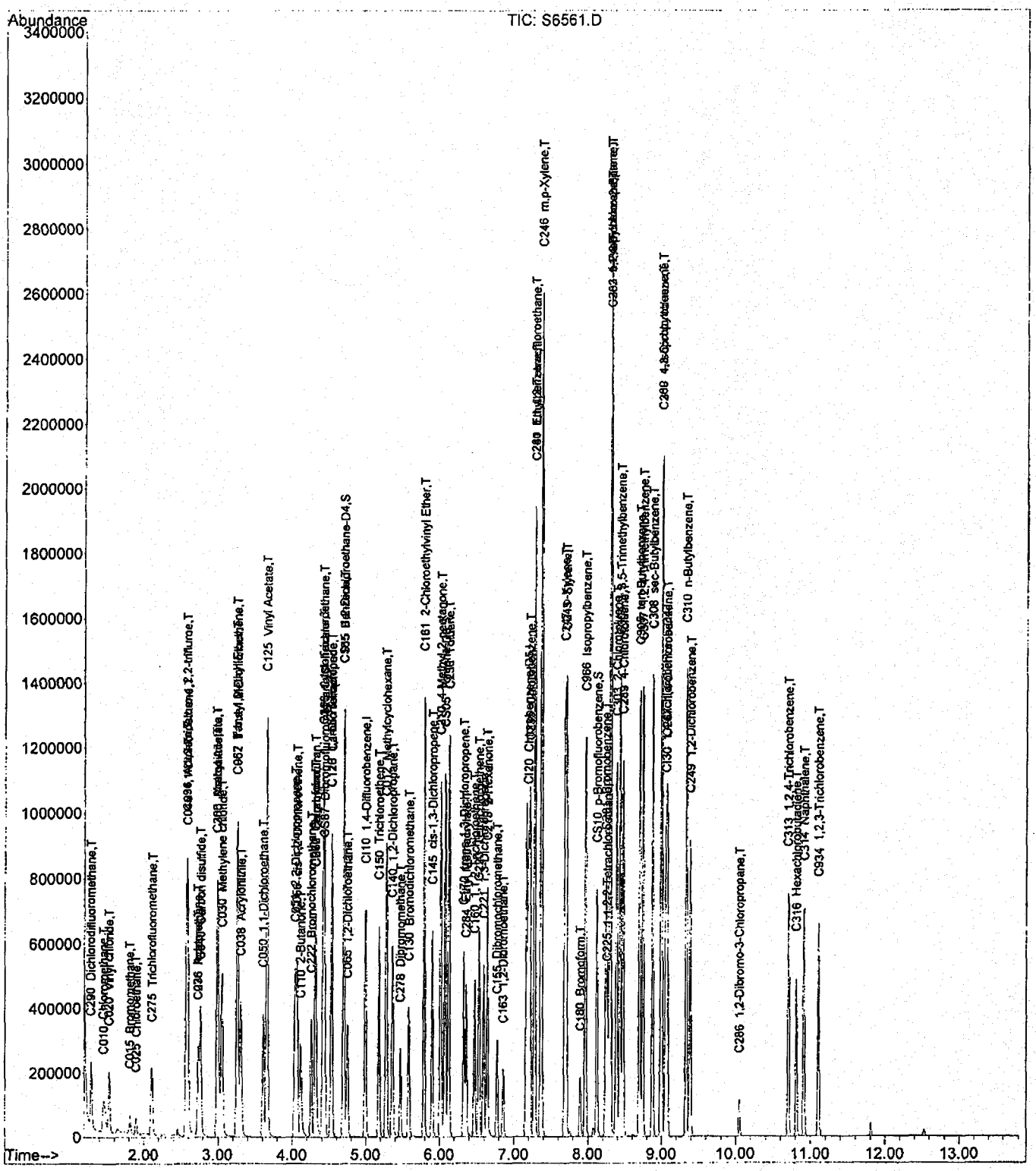
Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
39) C130	Bromodichloromethane	5.59	83	814806	522.69	ng		97
40) C161	2-Chloroethylvinyl E	5.79	63	1539513	2294.13	ng		97
41) C012	Methylcyclohexane	5.28	83	1129641	531.99	ng		93
42) C145	cis-1,3-Dichloroprop	5.90	75	1002752	505.92	ng		99
45) C230	Toluene	6.13	92	1562449	457.00	ng		93
46) C170	trans-1,3-Dichloropr	6.33	75	906734	506.03	ng		98
47) C284	Ethyl Methacrylate	6.36	69	687670	511.88	ng	#	97
48) C160	1,1,2-Trichloroethan	6.48	83	401630	467.69	ng		99
49) C210	4-Methyl-2-pentanone	6.01	43	2397899	2375.02	ng		97
50) C220	Tetrachloroethene	6.54	166	572606	456.38	ng		93
51) C221	1,3-Dichloropropane	6.60	76	891637	470.70	ng		97
52) C155	Dibromochloromethane	6.78	129	524339	516.97	ng		99
53) C163	1,2-Dibromoethane	6.87	107	488984	481.36	ng		96
54) C215	2-Hexanone	6.65	43	1652426	2379.95	ng		96
55) C235	Chlorobenzene	7.22	112	1624521	459.09	ng		95
56) C281	1,1,1,2-Tetrachloroe	7.29	131	502236	461.59	ng		98
57) C240	Ethylbenzene	7.28	91	2866446	445.45	ng		97
58) C246	m,p-Xylene	7.37	106	2067619	861.45	ng		90
59) C247	o-Xylene	7.69	106	1065905	457.64	ng		89
60) C245	Styrene	7.71	104	1777581	468.77	ng		98
61) C180	Bromoform	7.90	173	302515	548.30	ng		99
64) C966	Isopropylbenzene	7.97	105	2941511	483.96	ng		96
65) C301	Bromobenzene	8.25	156	578069	460.86	ng	#	67
66) C225	1,1,2,2-Tetrachloroe	8.27	83	570150	492.69	ng		99
67) C282	1,2,3-Trichloropropa	8.30	110	148506	421.93	ng		100
68) C283	t-1,4-Dichloro-2-But	8.31	51	563158	2241.72	ng	#	48
69) C302	n-Propylbenzene	8.30	91	3413325	446.52	ng		91
70) C303	2-Chlorotoluene	8.39	126	655733	475.19	ng		100
71) C289	4-Chlorotoluene	8.48	126	673811	473.17	ng		100
72) C304	1,3,5-Trimethylbenze	8.44	105	2416408	481.30	ng		93
73) C306	tert-Butylbenzene	8.70	134	504934	482.52	ng	#	70
74) C307	1,2,4-Trimethylbenze	8.75	105	2383077	480.47	ng		95
75) C308	sec-Butylbenzene	8.88	105	3030664	490.38	ng		92
76) C260	1,3-Dichlorobenzene	9.01	146	1019615	424.91	ng		95
77) C309	4-Isopropyltoluene	8.99	119	2379737	463.73	ng		94
78) C267	1,4-Dichlorobenzene	9.08	146	1141182	450.88	ng		94
79) C249	1,2-Dichlorobenzene	9.39	146	1080413	458.01	ng		93
80) C310	n-Butylbenzene	9.34	91	2540476	501.22	ng		90
81) C286	1,2-Dibromo-3-Chloro	10.05	75	117152	553.68	ng	#	70
82) C313	1,2,4-Trichlorobenze	10.71	180	681078	482.21	ng		100
83) C316	Hexachlorobutadiene	10.82	225	301175	511.04	ng		94
84) C314	Naphthalene	10.92	128	1836176	488.49	ng		98
85) C934	1,2,3-Trichlorobenze	11.11	180	604295	474.29	ng		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\S\DATA\080808\S6561.D Vial: 2
Acq On : 8 Aug 2008 21:35 Operator: ND
Sample : SSCAL Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 08 22:01:24 2008 Results File: A8I0000...IXPT.RES
Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 22:01:03 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\S\DATA\080808\S6561.D Vial: 2
Acq On : 8 Aug 2008 21:35 Operator: ND
Sample : SSCAL Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 22:01:24 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 22:01:03 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDCHEM\S\DATA\080808\S6560.D (8 Aug 2008 21:12)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.00	114	426470	125.00	ng	0.00 100.93%
43) CI20	Chlorobenzene-D5	7.19	82	219033	125.00	ng	0.00 102.64%
63) CI30	1,4-Dichlorobenzene-	9.06	152	172974	125.00	ng	0.00 97.59%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.44	111	140305	115.62	NG	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery =	92.50%		
31) CS15	1,2-Dichloroethane-D	4.69	65	175595	116.92	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery =	93.54%		
44) CS05	Toluene-D8	6.07	98	578247	113.92	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery =	91.14%		
62) CS10	p-Bromofluorobenzene	8.12	174	151428	113.65	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery =	90.92%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.29	85	154549	120.96	ng	# 100
3) C010	Chloromethane	1.46	50	180273	115.75	ng	98
4) C020	Vinyl chloride	1.54	62	162029	115.40	ng	86
5) C015	Bromomethane	1.82	94	34762	183.38	ng	85
6) C025	Chloroethane	1.90	64	36129	121.55	ng	93
7) C275	Trichlorofluorometha	2.11	101	171935	107.66	ng	99
8) C045	1,1-Dichloroethene	2.59	96	145671	114.92	ng	99
9) C030	Methylene chloride	3.06	84	174117	121.44	ng	98
10) C040	Carbon disulfide	2.77	76	443084	111.65	ng	100
11) C036	Acrolein	2.58	56	354980	1842.94	ng	97
12) C038	Acrylonitrile	3.31	53	261729	591.08	ng	90
13) C035	Acetone	2.73	43	205702	607.63	ng	98
14) C300	Acetonitrile	2.99	41	776236	4612.04	ng	100
15) C276	Iodomethane	2.74	142	146682	116.67	ng	100
16) C291	1,1,2-Trichloro-1,2,	2.58	101	141435	115.16	ng	88
17) C962	T-butyl Methyl Ether	3.26	73	417747	127.46	ng	90
18) C057	trans-1,2-Dichloroet	3.25	96	167188	116.16	ng	95
19) C255	Methyl Acetate	2.99	43	172575	132.07	ng	98
20) C050	1,1-Dichloroethane	3.61	63	305083	114.05	ng	99
21) C125	Vinyl Acetate	3.66	43	1513204	556.40	ng	100
22) C051	2,2-Dichloropropane	4.04	77	245398	117.52	ng	96
23) C056	cis-1,2-Dichloroethe	4.07	96	176144	113.79	ng	98
24) C272	Tetrahydrofuran	4.31	42	194500	595.98	ng	97
25) C222	Bromochloromethane	4.26	128	72171	113.95	ng	86
27) C060	Chloroform	4.32	83	281307	115.41	ng	99
28) C115	1,1,1-Trichloroethan	4.42	97	242840	113.28	ng	97
29) C120	Carbon tetrachloride	4.53	117	196972	116.70	ng	96
30) C116	1,1-Dichloropropene	4.54	75	219130	113.67	ng	97
32) C165	Benzene	4.70	78	676081	114.66	ng	99
33) C065	1,2-Dichloroethane	4.75	62	217832	113.19	ng	97
34) C110	2-Butanone	4.12	43	307464	583.81	ng	100
35) C256	Cyclohexane	4.43	56	307049	114.57	ng	94
36) C150	Trichloroethene	5.18	95	169795	114.94	ng	86
37) C140	1,2-Dichloropropane	5.36	63	167021	114.56	ng	98
38) C278	Dibromomethane	5.47	93	83590	113.20	ng	# 82

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDCHEM\S\DATA\080808\S6561.D Vial: 2
Acq On : 8 Aug 2008 21:35 Operator: ND
Sample : SSCAL Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 08 22:01:24 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Fri Aug 08 22:01:03 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDCHEM\S\DATA\080808\S6560.D (8 Aug 2008 21:12)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
39) C130	Bromodichloromethane	5.59	83	202262	119.41	ng		99
40) C161	2-Chloroethylvinyl E	5.79	63	425429	591.71	ng		97
41) C012	Methylcyclohexane	5.28	83	284705	114.68	ng		94
42) C145	cis-1,3-Dichloroprop	5.90	75	257272	118.29	ng		100
45) C230	Toluene	6.13	92	414292	112.98	ng		91
46) C170	trans-1,3-Dichloropr	6.33	75	222038	115.38	ng		96
47) C284	Ethyl Methacrylate	6.36	69	174478	123.85	ng	#	97
48) C160	1,1,2-Trichloroethan	6.48	83	103141	115.31	ng		99
49) C210	4-Methyl-2-pentanone	6.01	43	623649	587.46	ng		97
50) C220	Tetrachloroethene	6.54	166	149930	110.32	ng		94
51) C221	1,3-Dichloropropane	6.60	76	227018	112.74	ng		97
52) C155	Dibromochloromethane	6.78	129	127136	118.25	ng		97
53) C163	1,2-Dibromoethane	6.87	107	122341	112.70	ng		95
54) C215	2-Hexanone	6.65	43	418106	575.41	ng		96
55) C235	Chlorobenzene	7.22	112	435372	113.72	ng		98
56) C281	1,1,1,2-Tetrachloroe	7.29	131	138900	117.87	ng		97
57) C240	Ethylbenzene	7.28	91	805645	114.45	ng		98
58) C246	m,p-Xylene	7.37	106	588393	226.31	ng		93
59) C247	o-Xylene	7.69	106	285731	114.59	ng		92
60) C245	Styrene	7.71	104	485115	118.66	ng		99
61) C180	Bromoform	7.90	173	69366	119.38	ng		99
64) C966	Isopropylbenzene	7.97	105	703710	106.21	ng		98
65) C301	Bromobenzene	8.25	156	156164	116.22	ng	#	76
66) C225	1,1,2,2-Tetrachloroe	8.27	83	146298	119.14	ng		97
67) C282	1,2,3-Trichloropropa	8.30	110	39142	107.89	ng		100
68) C283	t-1,4-Dichloro-2-But	8.30	51	150658	562.20	ng	#	43
69) C302	n-Propylbenzene	8.30	91	958332	115.07	ng		91
70) C303	2-Chlorotoluene	8.39	126	173515	116.33	ng		100
71) C289	4-Chlorotoluene	8.48	126	175714	114.92	ng		100
72) C304	1,3,5-Trimethylbenze	8.44	105	643315	118.23	ng		94
73) C306	tert-Butylbenzene	8.70	134	133535	116.01	ng	#	81
74) C307	1,2,4-Trimethylbenze	8.75	105	652397	121.81	ng		94
75) C308	sec-Butylbenzene	8.88	105	830270	123.04	ng		93
76) C260	1,3-Dichlorobenzene	9.00	146	300776	124.41	ng		96
77) C309	4-Isopropyltoluene	8.99	119	637393	114.29	ng		95
78) C267	1,4-Dichlorobenzene	9.08	146	316003	125.38	ng		96
79) C249	1,2-Dichlorobenzene	9.39	146	293434	116.63	ng		93
80) C310	n-Butylbenzene	9.34	91	647606	115.85	ng		92
81) C286	1,2-Dibromo-3-Chloro	10.05	75	25208	112.23	ng	#	70
82) C313	1,2,4-Trichlorobenze	10.71	180	182730	126.35	ng		97
83) C316	Hexachlorobutadiene	10.82	225	74372	119.68	ng		97
84) C314	Naphthalene	10.92	128	458571	113.91	ng		98
85) C934	1,2,3-Trichlorobenze	11.11	180	158061	114.25	ng		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

METHOD 8260 - AQUEOUS (15% RSD)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001979-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: G8213.RR Calibration Date: 08/10/2008 Time: 11:38

Intrument ID: HP5973G Init. Calib. Date(s): 08/08/2008 08/08/2008

Heated Purge (Y/N): N Init. Calib. Times: 16:36 18:32

GC Column: ZB-624 ID: 0.18(mm)

COMPOUND	AVG RRF	RRF25	MIN RRF	% D	MAX % D
Acetone	0.1410	0.1461	0.0100	-3.600	100.00
Benzene	1.6030	1.4993	0.0100	6.500	100.00
Bromodichloromethane	0.4040	0.3990	0.0100	1.200	100.00
Bromoform	0.3960	0.4099	0.1000	-3.500	100.00
Bromomethane	0.0960	0.0850	0.0100	11.400	100.00
2-Butanone	0.2170	0.2072	0.0100	4.500	100.00
Methyl acetate	0.4740	0.4769	0.0100	-0.600	100.00
Cyclohexane	0.7320	0.5960	0.0100	18.600	100.00
Methylcyclohexane	0.6910	0.5537	0.0100	19.900	100.00
Carbon Disulfide	1.0820	0.9851	0.0100	9.000	100.00
Carbon Tetrachloride	0.3760	0.3386	0.0100	9.900	100.00
Chlorobenzene	2.3960	2.2732	0.3000	5.100	100.00
Chloroethane	0.1500	0.1351	0.0100	9.900	100.00
Chloroform	0.5910	0.5670	0.0100	4.100	20.00
Chloromethane	0.4400	0.4197	0.1000	4.600	100.00
Dibromochloromethane	0.7010	0.7087	0.0100	-1.100	100.00
1,2-Dibromo-3-chloropropane	0.1490	0.1530	0.0100	-2.700	100.00
1,2-Dibromoethane	0.7510	0.7356	0.0100	2.000	100.00
1,2-Dichlorobenzene	1.8350	1.7447	0.0100	4.900	100.00
1,3-Dichlorobenzene	1.9530	1.8666	0.0100	4.400	100.00
1,4-Dichlorobenzene	1.9930	1.8928	0.0100	5.000	100.00
Dichlorodifluoromethane	0.2370	0.1860	0.0100	21.500	100.00
1,1-Dichloroethane	0.7190	0.6977	0.1000	3.000	100.00
1,2-Dichloroethane	0.5170	0.4927	0.0100	4.700	100.00
1,1-Dichloroethene	0.3530	0.3171	0.0100	10.200	20.00
cis-1,2-Dichloroethene	0.4310	0.4158	0.0100	3.500	100.00
trans-1,2-Dichloroethene	0.4020	0.3864	0.0100	3.900	100.00
1,2-Dichloropropane	0.4050	0.3908	0.0100	3.500	20.00
cis-1,3-Dichloropropene	0.5840	0.5694	0.0100	2.500	100.00
trans-1,3-Dichloropropene	1.2160	1.1890	0.0100	2.200	100.00
Ethylbenzene	3.8900	3.6540	0.0100	6.100	20.00
2-Hexanone	0.6920	0.6582	0.0100	4.900	100.00
Isopropylbenzene	4.3350	3.9223	0.0100	9.500	100.00
Methylene chloride	0.5380	0.4154	0.0100	22.800	100.00
4-Methyl-2-pentanone	1.0570	0.9941	0.0100	6.000	100.00
Styrene	2.5950	2.5406	0.0100	2.100	100.00
1,1,2,2-Tetrachloroethane	1.0720	1.0522	0.3000	1.800	100.00
Tetrachloroethene	0.8790	0.7689	0.0100	12.500	100.00
Toluene	2.2330	2.0758	0.0100	7.000	20.00

METHOD 8260 - AQUEOUS (15% RSD)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001979-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: G8213.RR Calibration Date: 08/10/2008 Time: 11:38

Intrument ID: HP5973G Init. Calib. Date(s): 08/08/2008 08/08/2008

Heated Purge (Y/N): N Init. Calib. Times: 16:36 18:32

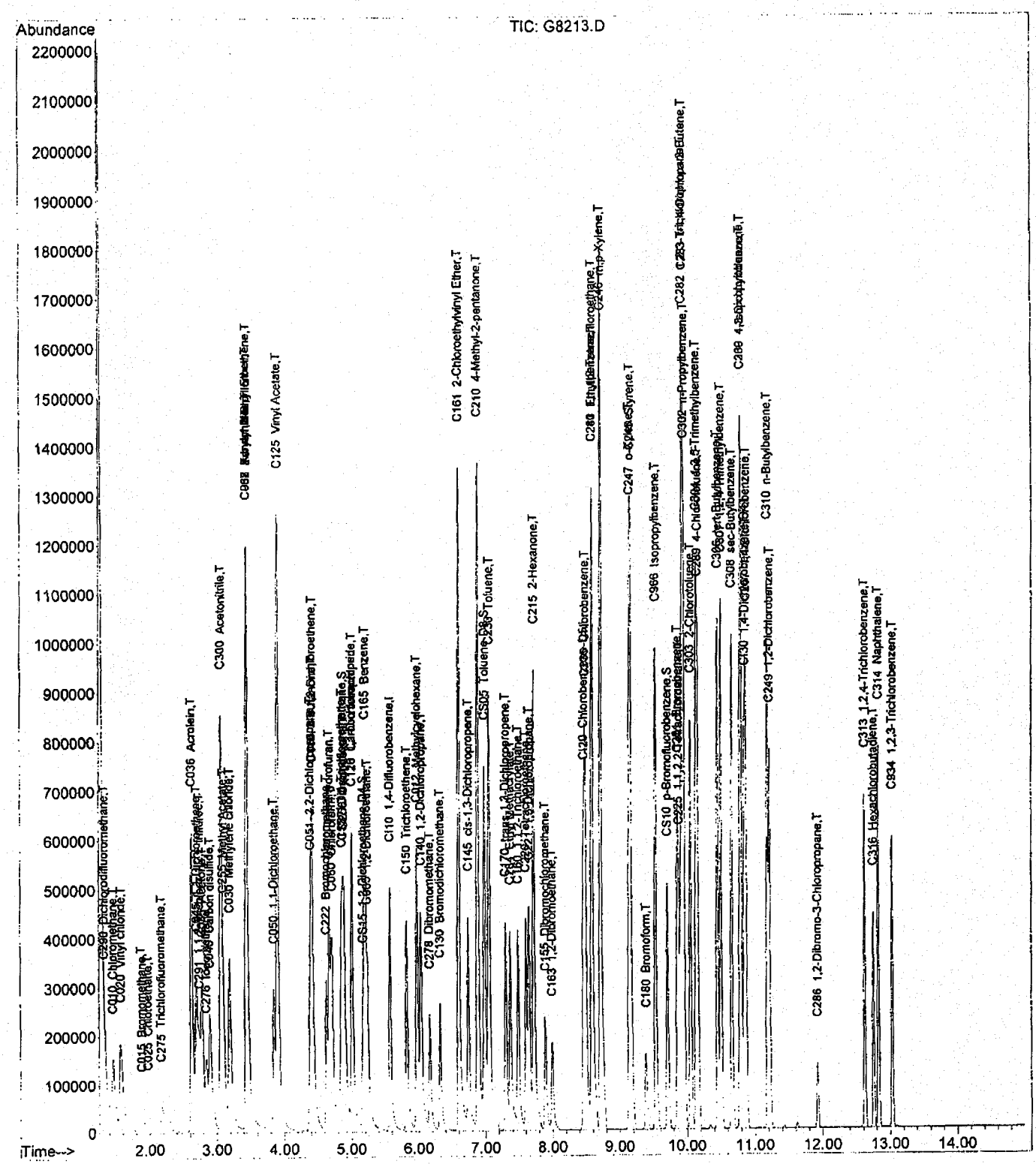
GC Column: ZB-624 ID: 0.18(mm)

COMPOUND	AVG RRF	RRF25	MIN RRF	% D	MAX % D
1,2,4-Trichlorobenzene	1.0950	1.0292	0.0100	6.000	100.00
1,1,1-Trichloroethane	0.4730	0.4396	0.0100	7.100	100.00
1,1,2-Trichloroethane	0.6190	0.6012	0.0100	2.900	100.00
Trichloroethene	0.3610	0.3374	0.0100	6.500	100.00
Trichlorofluoromethane	0.3470	0.3104	0.0100	10.500	100.00
Vinyl chloride	0.4330	0.4034	0.0100	6.800	20.00
Total Xylenes	1.5330	1.4597	0.0100	4.800	100.00
Methyl-t-Butyl Ether (MTBE)	1.0310	1.0039	0.0100	2.600	100.00
1,1,2-Trichloro-1,2,2-trifluoro	0.3210	0.2564	0.0100	20.100	100.00
1,2-Dichloroethane-D4	0.2970	0.3069	0.0100	-3.300	100.00
Toluene-D8	2.4920	2.6797	0.0100	-7.500	100.00
p-Bromofluorobenzene	0.6760	0.7268	0.0100	-7.500	100.00

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDChem\G\Data\081008\G8213.D Vial: 1
Acq On : 10 Aug 2008 11:38 Operator: ND
Sample : VSTD025 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 10 12:17:52 2008 Results File: A8I0000...THPT.RES
Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sun Aug 10 10:39:28 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDChem\G\Data\081008\G8213.D Vial: 1
Acq On : 10 Aug 2008 11:38 Operator: ND
Sample : VSTD025 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 10 12:17:52 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sun Aug 10 10:39:28 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDCHEM\G\DATA\080808\G8183.D (8 Aug 2008 19:38)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.57	114	528717	125.00	ng	0.00 91.33%
43) CI20	Chlorobenzene-D5	8.46	82	235308	125.00	ng	0.00 92.88%
63) CI30	1,4-Dichlorobenzene-	10.85	152	205496	125.00	ng	0.00 93.68%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.87	111	146425	135.58	NG	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery =	108.46%		
31) CS15	1,2-Dichloroethane-D	5.17	65	162281	129.00	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery =	103.20%		
44) CS05	Toluene-D8	6.99	98	630547	134.39	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery =	107.51%		
62) CS10	p-Bromofluorobenzene	9.71	174	171011	134.48	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery =	107.58%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.34	85	98316	98.20	ng	# 100
3) C010	Chloromethane	1.46	50	221891	119.10	ng	99
4) C020	Vinyl chloride	1.58	62	213275	116.52	ng	88
5) C015	Bromomethane	1.88	94	44958	110.70	ng	88
6) C025	Chloroethane	1.97	64	71413	112.52	ng	87
7) C275	Trichlorofluorometha	2.18	101	164096m	111.88	ng	98
8) C045	1,1-Dichloroethene	2.70	96	167669	112.45	ng	91
9) C030	Methylene chloride	3.19	84	219607	118.35	ng	95
10) C040	Carbon disulfide	2.90	76	520863	113.84	ng	100
11) C036	Acrolein	2.62	56	771598	2276.31	ng	95
12) C038	Acrylonitrile	3.44	53	463134	604.89	ng	95
13) C035	Acetone	2.78	43	386126	646.96	ng	97
14) C300	Acetonitrile	3.06	41	1352241	5205.66	ng	99
15) C276	Iodomethane	2.84	142	281878	119.23	ng	86
16) C291	1,1,2-Trichloro-1,2,	2.74	101	135583	100.00	ng	94
17) C962	T-butyl Methyl Ether	3.45	73	530800	121.68	ng	90
18) C057	trans-1,2-Dichloroet	3.45	96	204283	120.20	ng	97
19) C255	Methyl Acetate	3.10	43	252128	125.64	ng	99
20) C050	1,1-Dichloroethane	3.85	63	368864	121.32	ng	98
21) C125	Vinyl Acetate	3.90	43	2317975	581.17	ng	98
22) C051	2,2-Dichloropropane	4.38	77	225192	123.57	ng	96
23) C056	cis-1,2-Dichloroethe	4.40	96	219849	120.51	ng	93
24) C272	Tetrahydrofuran	4.67	42	379489	585.57	ng	99
25) C222	Bromochloromethane	4.63	128	109722	123.67	ng	96
27) C060	Chloroform	4.71	83	299771	119.99	ng	99
28) C115	1,1,1-Trichloroethan	4.85	97	232427	116.21	ng	94
29) C120	Carbon tetrachloride	5.01	117	179045	112.51	ng	93
30) C116	1,1-Dichloropropene	5.01	75	229532	111.30	ng	97
32) C165	Benzene	5.20	78	792725	116.88	ng	99
33) C065	1,2-Dichloroethane	5.24	62	260479	119.08	ng	94
34) C110	2-Butanone	4.42	43	547863	595.86	ng	97
35) C256	Cyclohexane	4.89	56	315104	101.79	ng	94
36) C150	Trichloroethene	5.82	95	178384	116.68	ng	95
37) C140	1,2-Dichloropropane	6.04	63	206638	120.53	ng	99
38) C278	Dibromomethane	6.16	93	107467	121.52	ng	97

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDChem\G\Data\081008\G8213.D Vial: 1
Acq On : 10 Aug 2008 11:38 Operator: ND
Sample : VSTD025 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 10 12:17:52 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sun Aug 10 10:39:28 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDCHEM\G\DATA\080808\G8183.D (8 Aug 2008 19:38)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
39) C130	Bromodichloromethane	6.32	83	210934	123.30	ng		99
40) C161	2-Chloroethylvinyl E	6.60	63	704905	588.11	ng		98
41) C012	Methylcyclohexane	5.98	83	292765	100.11	ng		98
42) C145	cis-1,3-Dichloroprop	6.74	75	301075	121.96	ng		98
45) C230	Toluene	7.05	92	488460	116.21	ng		93
46) C170	trans-1,3-Dichloropr	7.30	75	279792	122.28	ng		92
47) C284	Ethyl Methacrylate	7.37	69	249678	117.64	ng	#	97
48) C160	1,1,2-Trichloroethan	7.49	83	141472	121.47	ng		99
49) C210	4-Methyl-2-pentanone	6.88	43	1169598	587.97	ng		97
50) C220	Tetrachloroethene	7.60	166	180938	109.34	ng		97
51) C221	1,3-Dichloropropane	7.65	76	305446	120.01	ng		98
52) C155	Dibromochloromethane	7.89	129	166766	126.36	ng		99
53) C163	1,2-Dibromoethane	7.99	107	173100	122.42	ng		96
54) C215	2-Hexanone	7.72	43	774391	594.14	ng		96
55) C235	Chlorobenzene	8.49	112	534908	118.59	ng		96
56) C281	1,1,1,2-Tetrachloroe	8.59	131	164025	123.44	ng		96
57) C240	Ethylbenzene	8.60	91	859807	117.42	ng		97
58) C246	m,p-Xylene	8.72	106	705517	236.63	ng		96
59) C247	o-Xylene	9.14	106	343490	118.99	ng		96
60) C245	Styrene	9.16	104	597822	122.39	ng		91
61) C180	Bromoform	9.39	173	96443	111.87	ng		95
64) C966	Isopropylbenzene	9.53	105	806027	113.10	ng		100
65) C301	Bromobenzene	9.86	156	212703	117.97	ng		96
66) C225	1,1,2,2-Tetrachloroe	9.88	83	216232	122.75	ng		99
67) C282	1,2,3-Trichloropropa	9.92	110	69385	120.27	ng		100
68) C283	t-1,4-Dichloro-2-But	9.93	51	166126	631.47	ng	#	76
69) C302	n-Propylbenzene	9.96	91	1027685	116.73	ng		99
70) C303	2-Chlorotoluene	10.05	126	201087	117.02	ng		100
71) C289	4-Chlorotoluene	10.16	126	213303	119.51	ng		100
72) C304	1,3,5-Trimethylbenze	10.13	105	672782	117.27	ng		99
73) C306	tert-Butylbenzene	10.45	134	149854	112.29	ng		96
74) C307	1,2,4-Trimethylbenze	10.50	105	660996	117.38	ng		99
75) C308	sec-Butylbenzene	10.66	105	780641	113.33	ng		96
76) C260	1,3-Dichlorobenzene	10.79	146	383576	119.48	ng		98
77) C309	4-Isopropyltoluene	10.80	119	701131	116.32	ng		98
78) C267	1,4-Dichlorobenzene	10.87	146	388968	118.71	ng		98
79) C249	1,2-Dichlorobenzene	11.22	146	358534	118.87	ng		99
80) C310	n-Butylbenzene	11.18	91	612597	117.04	ng		97
81) C286	1,2-Dibromo-3-Chloro	11.93	75	31432	128.39	ng		96
82) C313	1,2,4-Trichlorobenze	12.62	180	211495	117.47	ng		98
83) C316	Hexachlorobutadiene	12.76	225	78093	107.42	ng		93
84) C314	Naphthalene	12.83	128	612755	119.05	ng		97
85) C934	1,2,3-Trichlorobenze	13.04	180	191152	114.43	ng		99

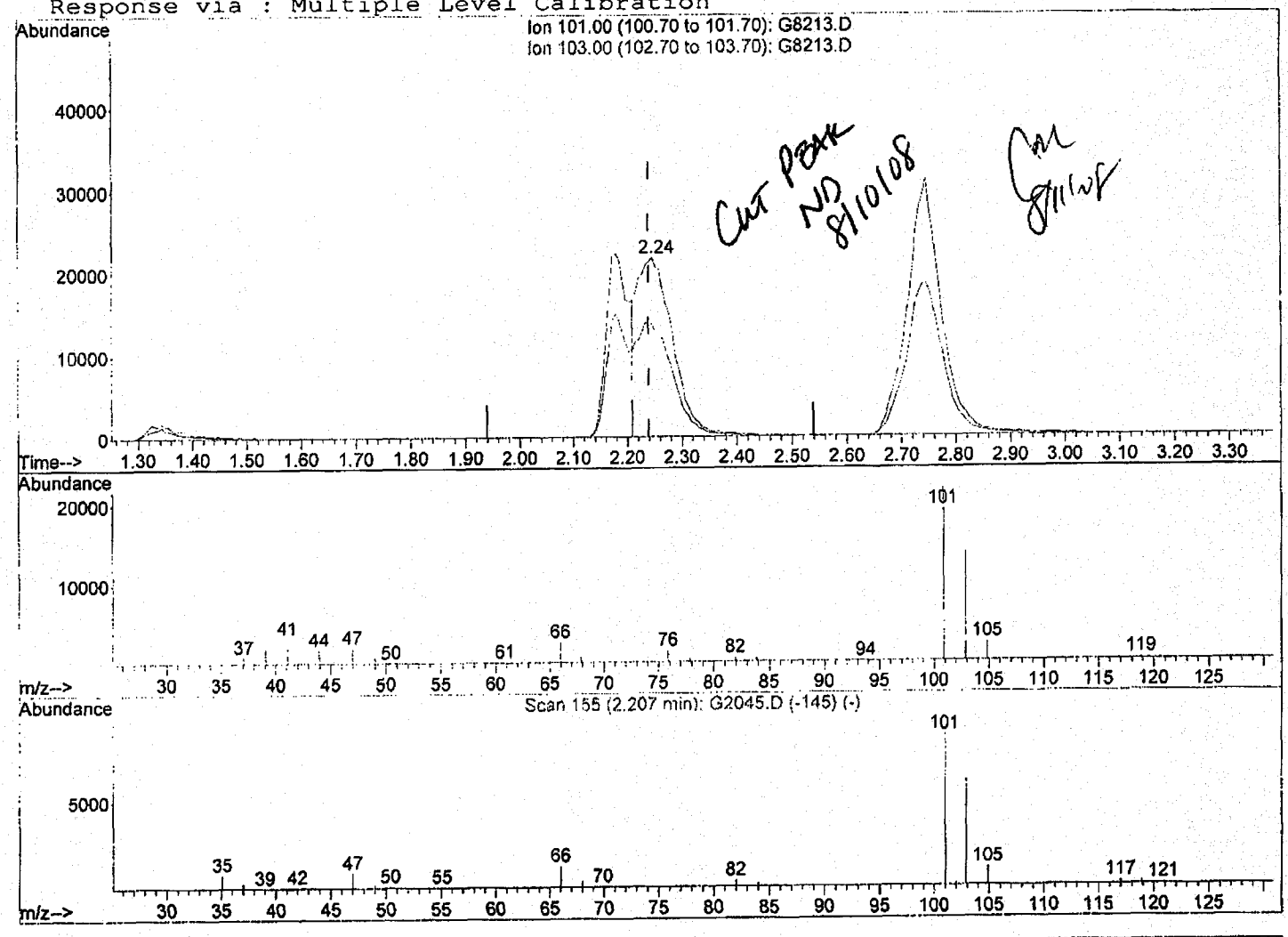
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data File : D:\MSDChem\G\Data\081008\G8213.D
Acq On : 10 Aug 2008 11:38
Sample : VSTD025
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 10 12:17:30 2008

Vial: 1
Operator: ND
Inst : HP5973G
Multiplr: 1.00

Method : D:\MSDCHEM\G\MET...000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sun Aug 10 10:39:28 2008
Response via : Multiple Level Calibration



TIC: G8213.D

(7) C275 Trichlorofluoromethane (T)

2.24min (+0.006) 67.29ng

response 98693

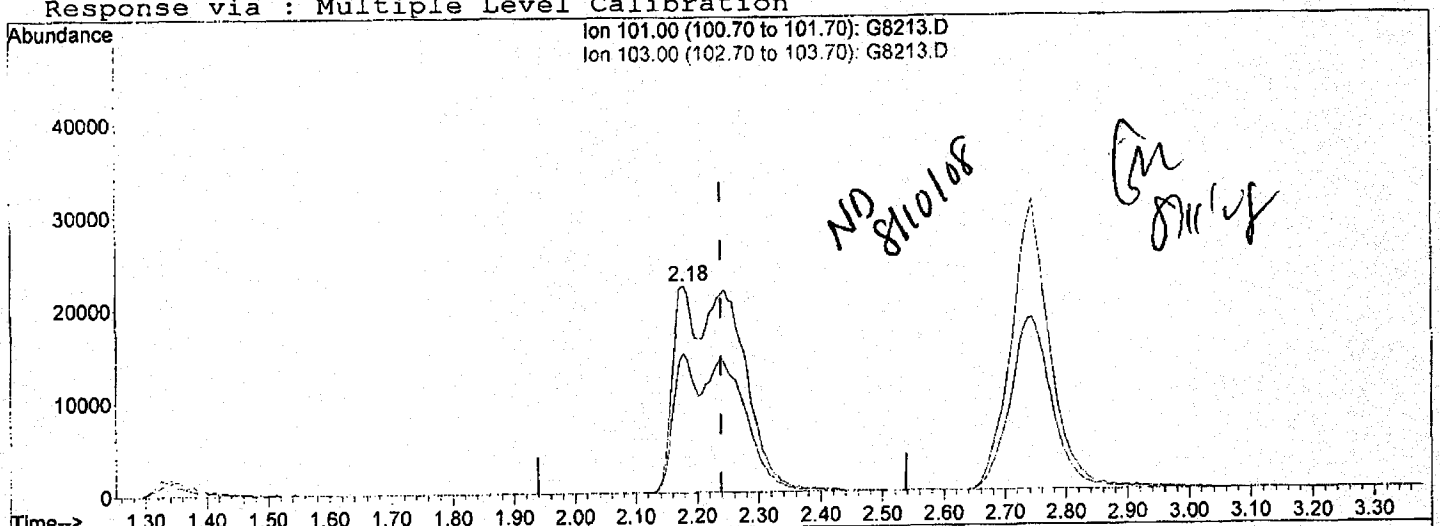
Ion	Exp%	Act%
101.00	100	100
103.00	64.90	62.97
0.00	0.00	0.00
0.00	0.00	0.00

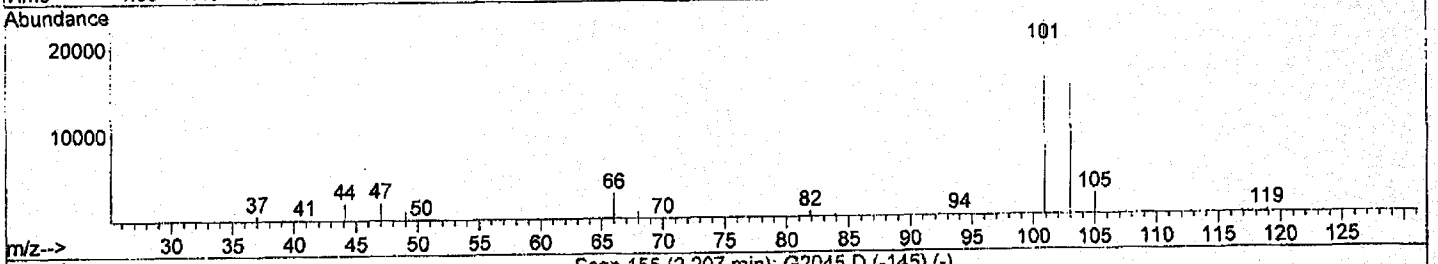
Quantitation Report (Qedit)

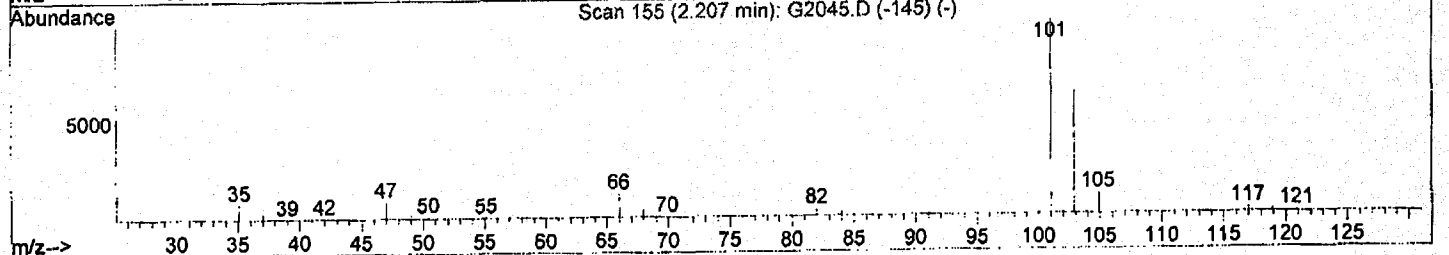
Data File : D:\MSDChem\G\Data\081008\G8213.D
Acq On : 10 Aug 2008 11:38
Sample : VSTD025
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 10 12:17:30 2008

Vial: 1
Operator: ND
Inst : HP5973G
Multiplr: 1.00

Method : D:\MSDCHEM\G\MET...000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sun Aug 10 10:39:28 2008
Response via : Multiple Level Calibration







TIC: G8213.D

(7) C275 Trichlorofluoromethane (T)

2.18min (-0.061) 111.88ng m

response 164096

Ion	Exp%	Act%
101.00	100	100
103.00	64.90	67.10
0.00	0.00	0.00
0.00	0.00	0.00

METHOD 8260 - AQUEOUS (15% RSD)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001965-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: S6601.RR Calibration Date: 08/09/2008 Time: 13:01

Intrument ID: HP5973S Init. Calib. Date(s): 08/08/2008 08/08/2008

Heated Purge (Y/N): N Init. Calib. Times: 16:45 19:28

GC Column: ZB-624 ID: 0.18(mm)

COMPOUND	AVG RRF	RRF25	MIN RRF	% D	MAX % D
Chloromethane	0.4560	0.3680	0.1000	19.300	100.00
Bromomethane	0.0620	0.0757	0.0100	-22.100	100.00
Vinyl chloride	0.4120	0.3807	0.0100	7.600	20.00
Chloroethane	0.0870	0.0926	0.0100	-6.400	100.00
Methylene chloride	0.6650	0.4123	0.0100	38.000	100.00
Acetone	0.1230	0.0931	0.0100	24.300	100.00
Carbon Disulfide	1.1630	0.9292	0.0100	20.100	100.00
1,1-Dichloroethene	0.3720	0.3272	0.0100	12.000	20.00
1,1-Dichloroethane	0.7840	0.6867	0.1000	12.400	100.00
cis-1,2-Dichloroethene	0.4540	0.4031	0.0100	11.200	100.00
trans-1,2-Dichloroethene	0.4220	0.3753	0.0100	11.100	100.00
Chloroform	0.7140	0.6393	0.0100	10.500	20.00
1,2-Dichloroethane	0.5640	0.4964	0.0100	12.000	100.00
2-Butanone	0.1540	0.1355	0.0100	12.000	100.00
1,1,1-Trichloroethane	0.6280	0.5469	0.0100	12.900	100.00
Carbon Tetrachloride	0.4950	0.4381	0.0100	11.500	100.00
Bromodichloromethane	0.4960	0.4470	0.0100	9.900	100.00
1,2-Dichloropropane	0.4270	0.3821	0.0100	10.500	20.00
cis-1,3-Dichloropropene	0.6370	0.5665	0.0100	11.100	100.00
Trichloroethene	0.4330	0.3776	0.0100	12.800	100.00
Dibromochloromethane	0.6140	0.5566	0.0100	9.300	100.00
1,1,2-Trichloroethane	0.5100	0.4617	0.0100	9.500	100.00
Benzene	1.7280	1.5476	0.0100	10.400	100.00
trans-1,3-Dichloropropene	1.0980	0.9725	0.0100	11.400	100.00
Bromoform	0.3320	0.2930	0.1000	11.700	100.00
4-Methyl-2-pentanone	0.6060	0.5352	0.0100	11.700	100.00
2-Hexanone	0.4150	0.3672	0.0100	11.500	100.00
Tetrachloroethene	0.7760	0.6753	0.0100	13.000	100.00
1,1,2,2-Tetrachloroethane	0.8870	0.7871	0.3000	11.300	100.00
Toluene	2.0930	1.8760	0.0100	10.400	20.00
Chlorobenzene	2.1850	1.9384	0.3000	11.300	100.00
Ethylbenzene	4.0170	3.5920	0.0100	10.600	20.00
Styrene	2.3330	2.1381	0.0100	8.400	100.00
Total Xylenes	1.4230	1.2814	0.0100	10.000	100.00
1,1,2-Trichloro-1,2,2-trifluoro	0.3600	0.3132	0.0100	13.000	100.00
1,2,4-Trichlorobenzene	1.1280	0.9452	0.0100	16.200	100.00
1,2-Dibromo-3-chloropropane	0.1620	0.1331	0.0100	17.800	100.00
1,2-Dibromoethane	0.6200	0.5431	0.0100	12.400	100.00
1,2-Dichlorobenzene	1.8180	1.5793	0.0100	13.100	100.00

METHOD 8260 - AQUEOUS (15% RSD)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001965-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: S6601.RR Calibration Date: 08/09/2008 Time: 13:01

Intrument ID: HP5973S Init. Calib. Date(s): 08/08/2008 08/08/2008

Heated Purge (Y/N): N Init. Calib. Times: 16:45 19:28

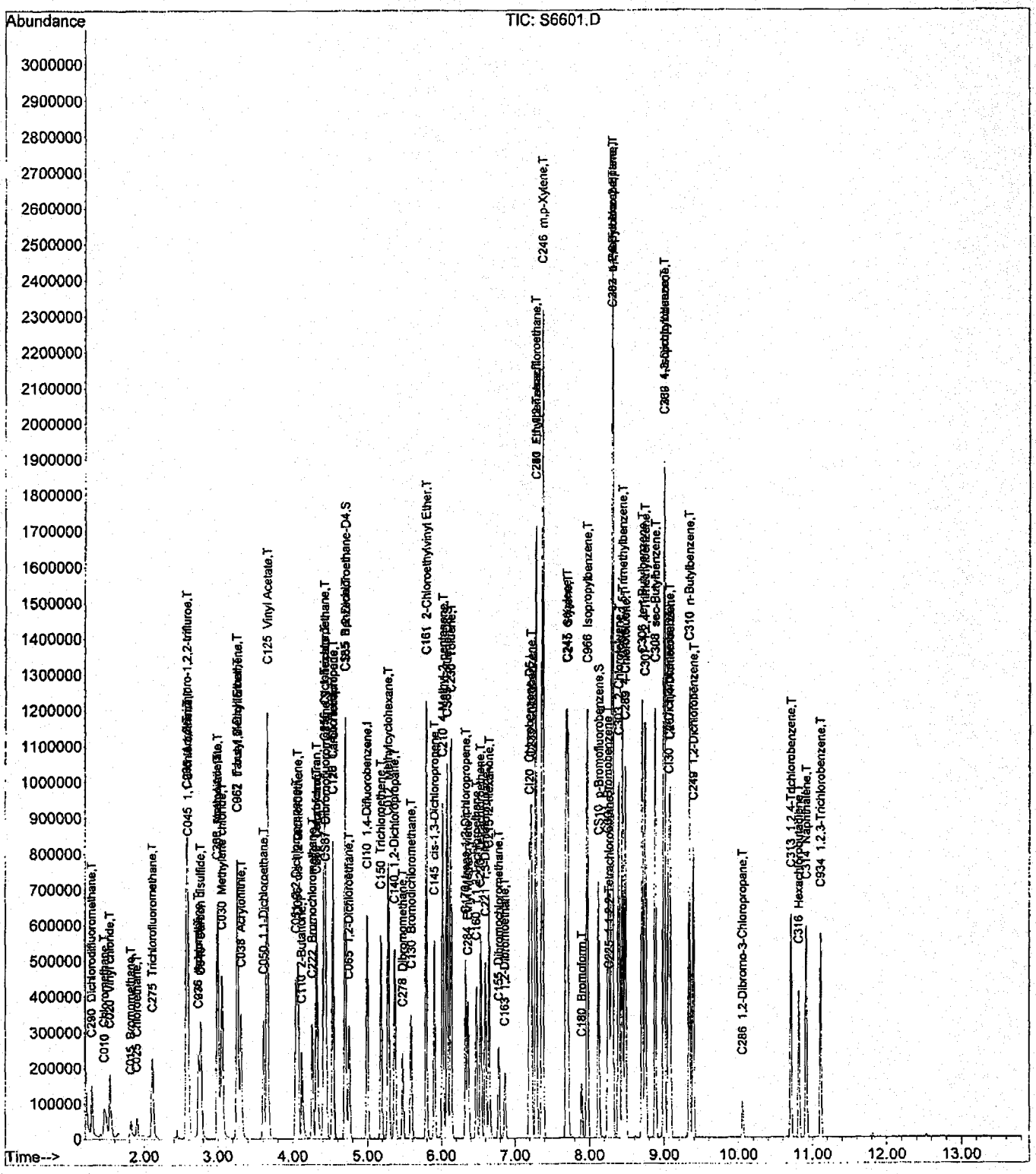
GC Column: ZB-624 ID: 0.18(mm)

COMPOUND	AVG RRF	RRF25	MIN RRF	% D	MAX % D
1,3-Dichlorobenzene	1.8840	1.6583	0.0100	12.000	100.00
1,4-Dichlorobenzene	2.0010	1.7052	0.0100	14.800	100.00
Cyclohexane	0.7860	0.6718	0.0100	14.500	100.00
Dichlorodifluoromethane	0.3740	0.2760	0.0100	26.200	100.00
Methyl acetate	0.4910	0.3215	0.0100	34.500	100.00
Trichlorofluoromethane	0.4680	0.4670	0.0100	0.200	100.00
Methyl-t-Butyl Ether (MTBE)	0.9610	0.8451	0.0100	12.100	100.00
Isopropylbenzene	4.7880	4.1867	0.0100	12.600	100.00
Methylcyclohexane	0.7280	0.6150	0.0100	15.500	100.00
Toluene-D8	2.8970	2.7426	0.0100	5.300	100.00
p-Bromofluorobenzene	0.7600	0.7156	0.0100	5.800	100.00
1,2-Dichloroethane-D4	0.4400	0.4216	0.0100	4.200	100.00

Quantitation Report TA Buffalo (Not Reviewed)

Data File : D:\MSDChem\S\Data\080908\S6601.D Vial: 2
Acq On : 9 Aug 2008 13:01 Operator: DHC
Sample : VSTD025 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 09 13:30:30 2008 Results File: A8I0000...IXPT.RES
Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sat Aug 09 11:17:29 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (Not Reviewed)

Data File : D:\MSDChem\S\Data\080908\S6601.D Vial: 2
Acq On : 9 Aug 2008 13:01 Operator: DHC
Sample : VSTD025 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 09 13:30:30 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sat Aug 09 11:17:29 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDCHEM\S\DATA\080808\S6560.D (8 Aug 2008 21:12)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.00	114	385944	125.00	ng	0.00 91.34%
43) CI20	Chlorobenzene-D5	7.19	82	194488	125.00	ng	0.00 91.14%
63) CI30	1,4-Dichlorobenzene-	9.06	152	161147	125.00	ng	0.00 90.92%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.44	111	130702	119.02	NG	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery =	95.22%		
31) CS15	1,2-Dichloroethane-D	4.69	65	162721	119.73	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery =	95.78%		
44) CS05	Toluene-D8	6.07	98	533405	118.35	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery =	94.68%		
62) CS10	p-Bromofluorobenzene	8.12	174	139180	117.64	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery =	94.11%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.29	85	106526	92.13	ng	# 100
3) C010	Chloromethane	1.46	50	142038	100.78	ng	99
4) C020	Vinyl chloride	1.54	62	146943	115.64	ng	84
5) C015	Bromomethane	1.82	94	29230	173.82	ng	89
6) C025	Chloroethane	1.90	64	35740	132.87	ng	89
7) C275	Trichlorofluorometha	2.11	101	180253	124.72	ng	100
8) C045	1,1-Dichloroethene	2.59	96	126298	110.10	ng	96
9) C030	Methylene chloride	3.06	84	159118	122.76	ng	97
10) C040	Carbon disulfide	2.77	76	358602	99.85	ng	100
11) C036	Acrolein	2.57	56	390291	2239.03	ng	96
12) C038	Acrylonitrile	3.31	53	222557	555.39	ng	92
13) C035	Acetone	2.73	43	179592	585.38	ng	99
14) C300	Acetonitrile	2.99	41	658642	4324.27	ng	99
15) C276	Iodomethane	2.74	142	108506	98.10	ng	100
16) C291	1,1,2-Trichloro-1,2,	2.58	101	120865	108.75	ng	88
17) C962	T-butyl Methyl Ether	3.26	73	326175	109.97	ng	91
18) C057	trans-1,2-Dichloroet	3.25	96	144827	111.19	ng	99
19) C255	Methyl Acetate	2.98	43	124062	102.70	ng	99
20) C050	1,1-Dichloroethane	3.61	63	265011	109.47	ng	98
21) C125	Vinyl Acetate	3.66	43	1411458	573.49	ng	100
22) C051	2,2-Dichloropropane	4.04	77	206274	109.16	ng	97
23) C056	cis-1,2-Dichloroethe	4.07	96	155568	111.05	ng	92
24) C272	Tetrahydrofuran	4.31	42	160246	542.58	ng	95
25) C222	Bromochloromethane	4.26	128	64838	113.12	ng	90
27) C060	Chloroform	4.32	83	246738	111.86	ng	99
28) C115	1,1,1-Trichloroethan	4.42	97	211057	108.80	ng	97
29) C120	Carbon tetrachloride	4.53	117	169063	110.68	ng	100
30) C116	1,1-Dichloropropene	4.54	75	191589	109.82	ng	97
32) C165	Benzene	4.70	78	597299	111.93	ng	100
33) C065	1,2-Dichloroethane	4.75	62	191598	110.01	ng	95
34) C110	2-Butanone	4.12	43	261461	548.59	ng	99
35) C256	Cyclohexane	4.43	56	259262	106.89	ng	94
36) C150	Trichloroethene	5.18	95	145751	109.02	ng	88
37) C140	1,2-Dichloropropane	5.36	63	147481	111.78	ng	98
38) C278	Dibromomethane	5.47	93	73533	110.04	ng	84

Quantitation Report TA Buffalo (Not Reviewed)

Data File : D:\MSDChem\S\Data\080908\S6601.D Vial: 2
Acq On : 9 Aug 2008 13:01 Operator: DHC
Sample : VSTD025 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 09 13:30:30 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sat Aug 09 11:17:29 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDCHEM\S\DATA\080808\S6560.D (8 Aug 2008 21:12)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
39) C130	Bromodichloromethane	5.59	83	172534	112.56	ng		99
40) C161	2-Chloroethylvinyl E	5.79	63	377916	580.82	ng		97
41) C012	Methylcyclohexane	5.28	83	237352	105.65	ng		95
42) C145	cis-1,3-Dichloroprop	5.90	75	218635	111.08	ng		99
45) C230	Toluene	6.13	92	364863	112.05	ng		90
46) C170	trans-1,3-Dichloropr	6.33	75	189141	110.69	ng		94
47) C284	Ethyl Methacrylate	6.36	69	140341	112.19	ng	#	97
48) C160	1,1,2-Trichloroethan	6.48	83	89790	113.05	ng		97
49) C210	4-Methyl-2-pentanone	6.01	43	520403	552.07	ng		97
50) C220	Tetrachloroethene	6.54	166	131331	108.83	ng		95
51) C221	1,3-Dichloropropane	6.60	76	200150	111.94	ng		97
52) C155	Dibromochloromethane	6.78	129	108256	113.40	ng		98
53) C163	1,2-Dibromoethane	6.86	107	105627	109.58	ng		97
54) C215	2-Hexanone	6.65	43	357036	553.38	ng		97
55) C235	Chlorobenzene	7.22	112	376996	110.90	ng		97
56) C281	1,1,1,2-Tetrachloroe	7.29	131	119675	114.37	ng		98
57) C240	Ethylbenzene	7.28	91	698607	111.77	ng		98
58) C246	m,p-Xylene	7.37	106	519558	225.05	ng		93
59) C247	o-Xylene	7.69	106	249223	112.56	ng		94
60) C245	Styrene	7.71	104	415832	114.55	ng		98
61) C180	Bromoform	7.90	173	56985	110.45	ng		98
64) C966	Isopropylbenzene	7.97	105	674670	109.30	ng		97
65) C301	Bromobenzene	8.25	156	135787	108.47	ng	#	78
66) C225	1,1,2,2-Tetrachloroe	8.27	83	126832	110.87	ng		99
67) C282	1,2,3-Trichloropropa	8.30	110	37856	112.00	ng		100
68) C283	t-1,4-Dichloro-2-But	8.31	51	141655	567.40	ng	#	40
69) C302	n-Propylbenzene	8.30	91	869163	112.02	ng		90
70) C303	2-Chlorotoluene	8.39	126	151541	109.05	ng		100
71) C289	4-Chlorotoluene	8.48	126	157725	110.72	ng		100
72) C304	1,3,5-Trimethylbenze	8.44	105	560076	110.48	ng		95
73) C306	tert-Butylbenzene	8.70	134	116120	108.28	ng	#	84
74) C307	1,2,4-Trimethylbenze	8.75	105	552876	110.80	ng		96
75) C308	sec-Butylbenzene	8.88	105	686800	109.25	ng		93
76) C260	1,3-Dichlorobenzene	9.01	146	267234	118.21	ng		97
77) C309	4-Isopropyltoluene	8.99	119	585351	112.67	ng		96
78) C267	1,4-Dichlorobenzene	9.08	146	274780	116.61	ng		96
79) C249	1,2-Dichlorobenzene	9.39	146	254503	108.58	ng		97
80) C310	n-Butylbenzene	9.34	91	577766	110.94	ng		92
81) C286	1,2-Dibromo-3-Chloro	10.05	75	21448	102.49	ng	#	74
82) C313	1,2,4-Trichlorobenze	10.71	180	152311	112.68	ng		97
83) C316	Hexachlorobutadiene	10.82	225	63874	110.13	ng		94
84) C314	Naphthalene	10.92	128	386308	103.00	ng		99
85) C934	1,2,3-Trichlorobenze	11.11	180	133811	103.82	ng		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

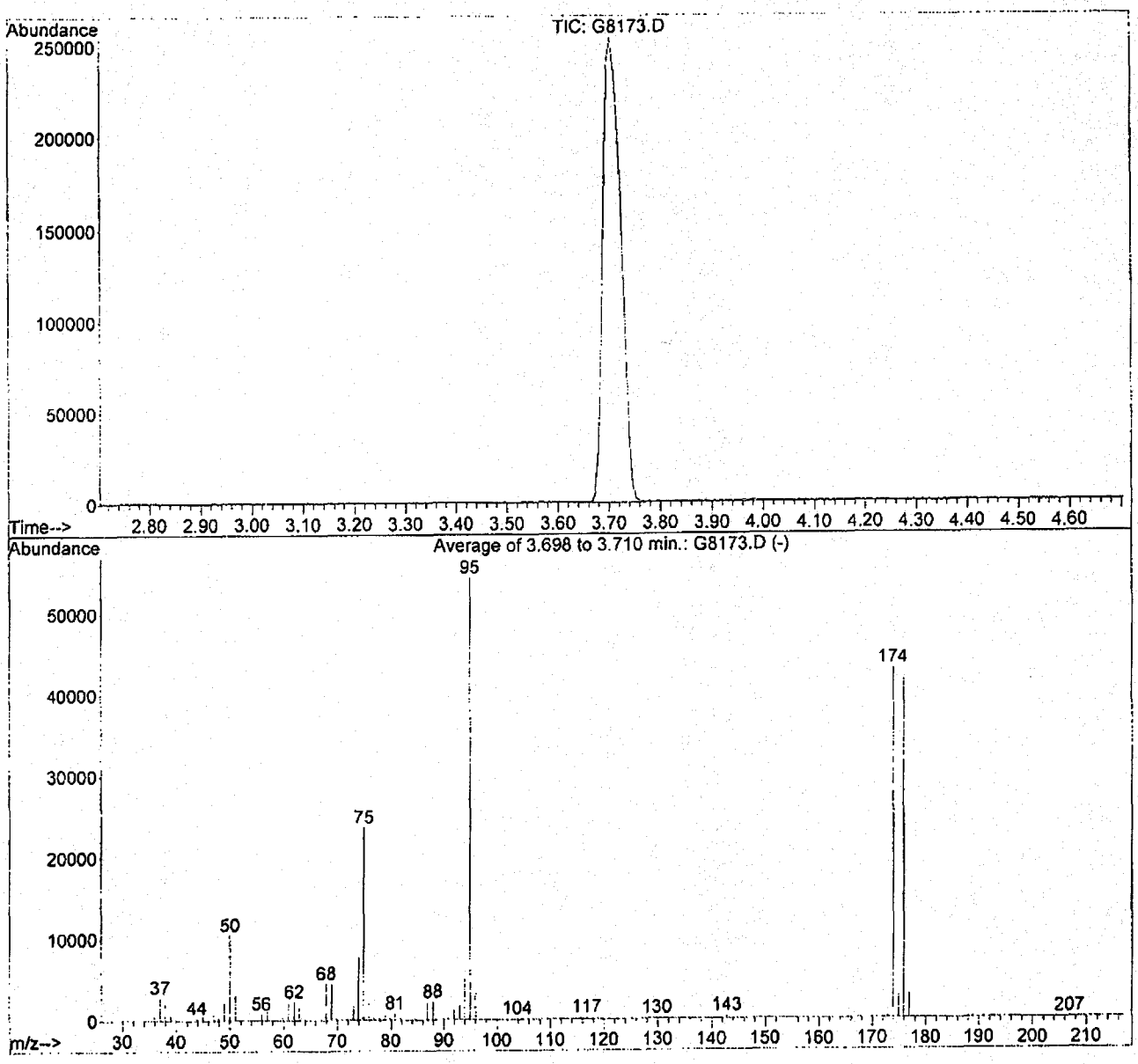
Raw QC Data

BFB Tune Evaluation

Data File : D:\MSDChem\G\Data\080808\G8173.D
Acq On : 8 Aug 2008 15:34
Sample : 0808BFBG1
Misc :
MS Integration Params: RTEINT.P

Vial: 1
Operator: LH
Inst : HP5973G
Multiplr: 1.00

Method : D:\MSDCHEM\G\MET...000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER



Peak Apex is scan: 376 (3.70 min)
Average of 3 scans: 375,376,377 minus background scan 356 (3.58 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	10475	PASS
75	95	30	60	43.6	23650	PASS
95	95	100	100	100.0	54298	PASS
96	95	5	9	6.7	3654	PASS
173	174	0	2	0.6	246	PASS
174	95	50	100	79.1	42936	PASS
175	174	5	9	7.3	3135	PASS
176	174	95	101	96.9	41610	PASS
177	176	5	9	7.1	2958	PASS

G8173.D A8I0000594-SIXTHPT.M Fri Aug 08 19:06:32 2008 HP5973S

Average of 3.698 to 3.710 min.: G8173.D
0808BFBG1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	492	56.00	762	75.00	23650	140.85	305
37.10	2793	57.00	1219	76.00	2030	142.95	347
38.05	2310	59.95	442	78.95	689	174.00	42936
39.05	989	61.05	2111	80.90	788	174.95	3135
43.95	292	62.05	2228	86.95	2076	176.00	41610
45.05	499	63.00	1629	88.00	2201	177.00	2958
47.10	878	68.00	4462	92.00	1218		
47.95	336	69.00	4426	93.00	1702		
49.05	2218	69.95	366	94.05	4998		
50.05	10475	73.05	1833	95.00	54298		
51.10	3131	74.05	7772	96.05	3654		

BFB

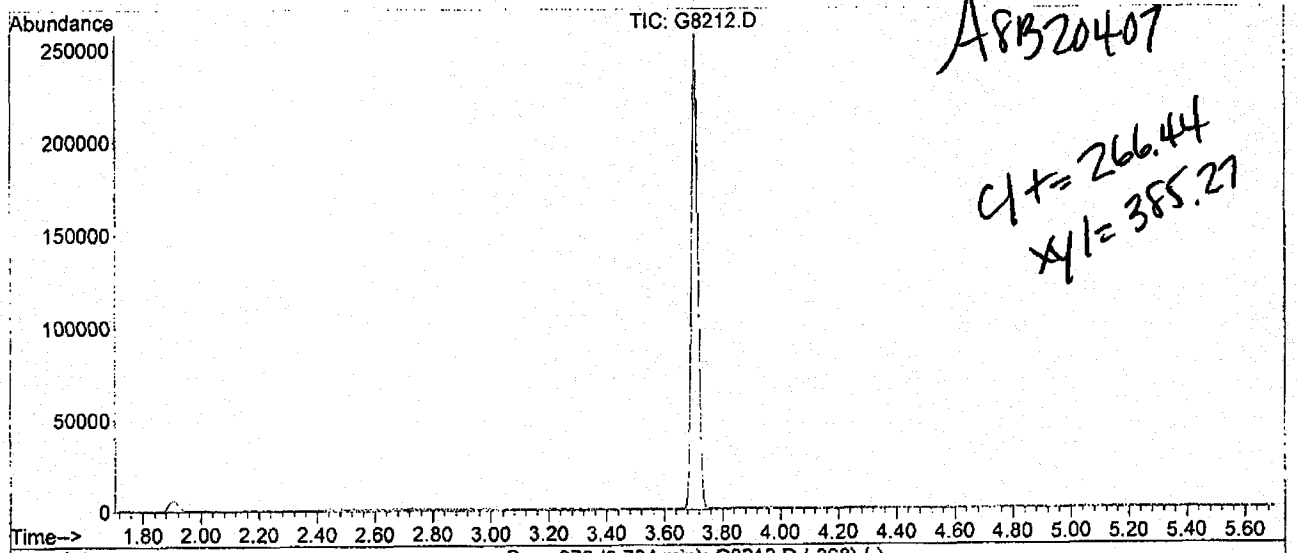
Data File : D:\MSDChem\G\Data\081008\G8212.D
Acq On : 10 Aug 2008 11:17
Sample : 0810BFBG1
Misc :
MS Integration Params: NA

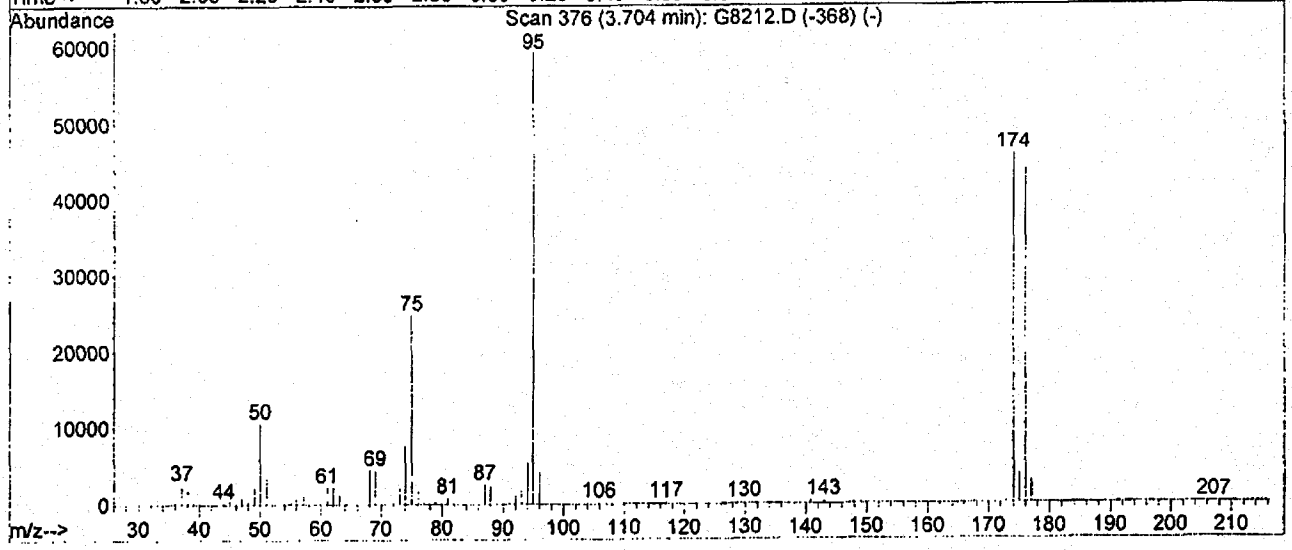
Vial: 1
Operator: ND
Inst : HP5973G
Multiplr: 1.00

Method : D:\MSDCHEM\G\MET...000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sun Aug 10 12:21:26 2008
Response via : Initial Calibration

A8B20407

Ct = 266.44
As = 385.27





Spectrum Information: Scan 376

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.0	10654	PASS
75	95	30	60	41.7	24736	PASS
95	95	100	100	100.0	59272	PASS
96	95	5	9	7.0	4163	PASS
173	174	0.00	2	0.8	370	PASS
174	95	50	100	77.2	45760	PASS
175	174	5	9	8.2	3770	PASS
176	174	95	101	95.5	43688	PASS
177	176	5	9	7.0	3050	PASS

Scan 376 (3.704 min): G8212.D (-368)
0810BFBG1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	574	51.00	3411	70.10	395	81.90	172
37.10	2607	55.10	157	72.00	299	87.00	2624
38.10	2414	56.00	725	73.00	2127	87.90	2363
39.00	873	57.10	1167	74.00	7642	92.00	1117
40.00	198	59.90	450	75.00	24736	93.00	1724
44.00	267	61.00	2250	76.00	2087	94.00	5375
45.00	485	62.00	2209	77.00	260	95.00	59272
47.00	910	63.00	1332	77.90	267	96.00	4163
48.00	415	64.20	181	78.90	741	104.00	171
49.10	2329	68.00	4500	79.90	227	105.90	229
50.00	10654	69.00	4533	80.90	862	117.00	228

Scan 376 (3.704 min): G8212.D (-368)
0810BFBG1
Modified:subtracted

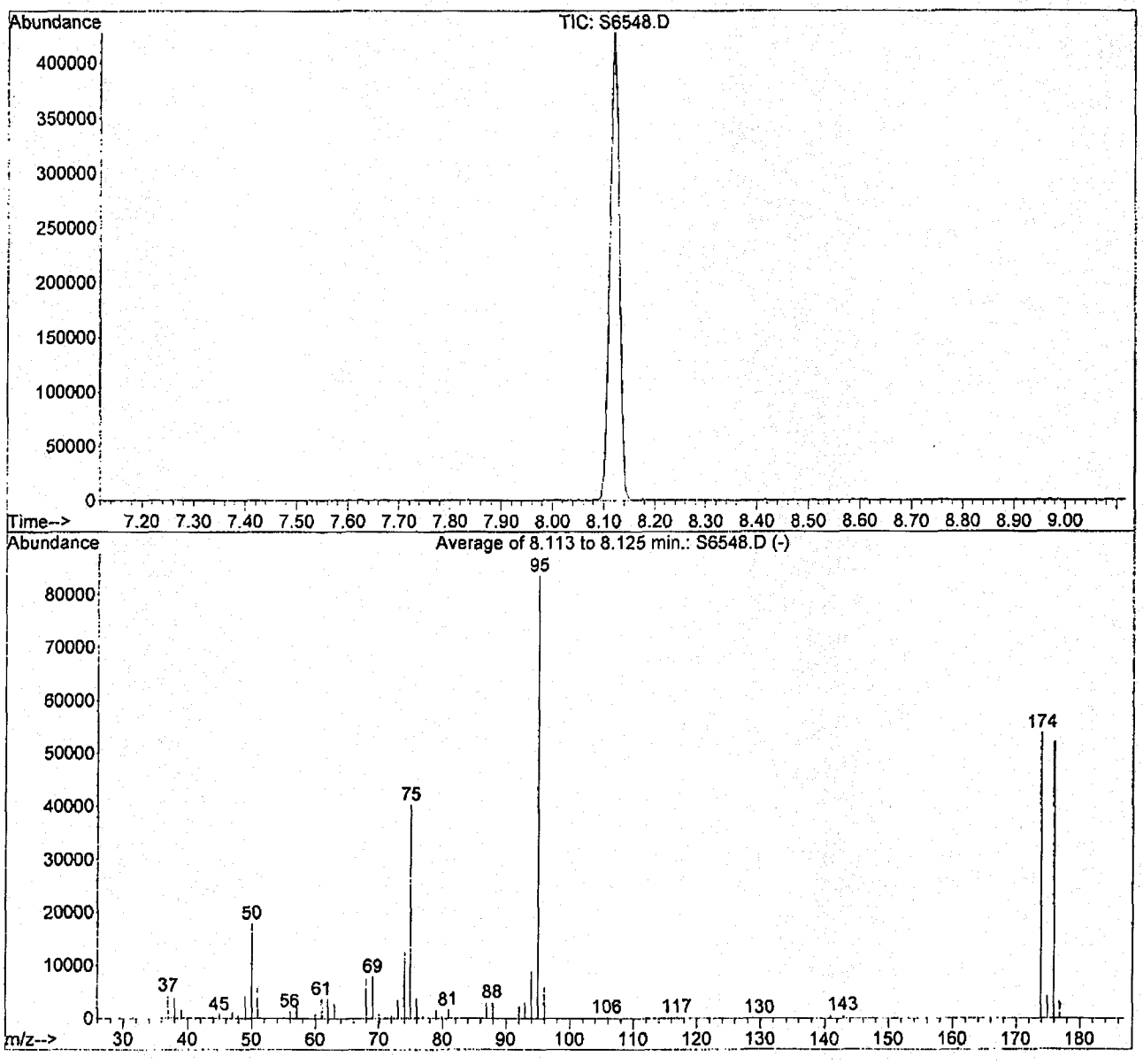
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
118.70	151						
129.90	226						
140.80	356						
143.00	446						
147.80	199						
172.90	370						
174.00	45760						
175.00	3770						
176.00	43688						
177.00	3050						
207.10	21						

BFB Tune Evaluation

Data File : D:\MSDCHEM\S\DATA\080808\S6548.D
Acq On : 8 Aug 2008 15:34
Sample : 0808BFBS1
Misc :
MS Integration Params: RTEINT.P

Vial: 1
Operator: LH
Inst : HP5973S
Multiplr: 1.00

Method : D:\MSDCHEM\S\MET...I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER



Peak Apex is scan: 1138 (8.12 min)
Average of 3 scans: 1137,1138,1139 minus background scan 1118 (8.00 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	21.5	17991	PASS
75	95	30	60	48.3	40338	PASS
95	95	100	100	100.0	83589	PASS
96	95	5	9	7.1	5932	PASS
173	174	0	2	0.3	162	PASS
174	95	50	100	64.5	53898	PASS
175	174	5	9	7.6	4104	PASS
176	174	95	101	96.9	52237	PASS
177	176	5	9	6.1	3171	PASS

Average of 8.113 to 8.125 min.: S6548.D
0808BFBS1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	693	57.00	2246	75.00	40338	95.00	83589
37.00	4242	59.95	817	76.00	3731	96.00	5932
38.00	3816	61.00	3706	76.95	517	140.90	554
39.00	1595	62.00	3653	78.90	1578	142.90	636
45.00	825	63.00	2789	79.90	481	173.90	53898
47.00	1137	68.00	7493	80.90	1673	174.90	4104
47.95	640	69.00	7878	86.95	3050	175.90	52237
49.00	4297	70.00	875	87.90	3101	176.90	3171
50.00	17991	72.00	455	92.00	2229		
51.00	5845	73.00	3442	93.00	3114		
56.00	1370	74.00	12550	94.00	8901		

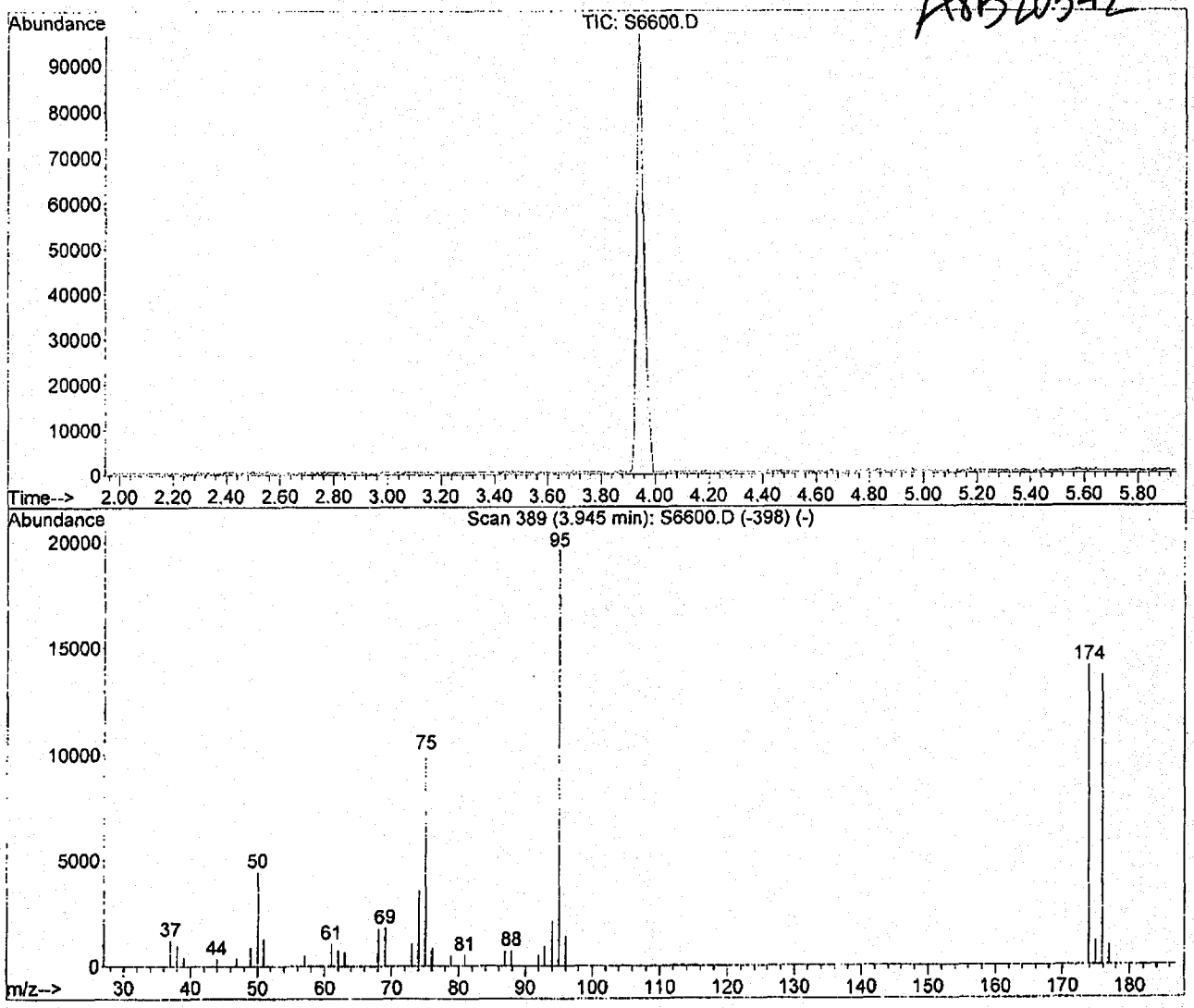
BFB

Data File : D:\MSDChem\S\Data\080908\S6600.D
Acq On : 9 Aug 2008 12:40
Sample : 0809BFBS1
Misc :
MS Integration Params: NA

Vial: 1
Operator: DHC
Inst : HP5973S
Multiplr: 1.00

Method : D:\MSDCHEM\S\MET...I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sat Aug 09 11:17:29 2008
Response via : Initial Calibration

A8B20342



Spectrum Information: Scan 389

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.7	4459	PASS
75	95	30	60	51.1	10029	PASS
95	95	100	100	100.0	19608	PASS
96	95	5	9	7.3	1430	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	71.8	14086	PASS
175	174	5	9	8.1	1147	PASS
176	174	95	101	97.0	13658	PASS
177	176	5	9	6.8	928	PASS

Scan 389 (3.945 min): S6600.D (-398)
0809BFBS1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
37.00	1218	63.00	687	92.00	513		
38.00	986	68.00	1759	92.90	924		
39.00	402	69.00	1800	94.00	2123		
43.95	329	73.00	1045	95.00	19608		
46.90	384	74.00	3591	96.00	1430		
49.00	869	75.00	10029	173.90	14086		
50.00	4459	76.00	826	174.90	1147		
50.90	1280	78.90	464	175.90	13658		
57.00	520	80.90	512	176.90	928		
61.00	1049	86.90	696				
62.00	744	87.90	728				

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK93

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8B2034202

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6604.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/09/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK93

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8B2034202

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6604.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/09/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

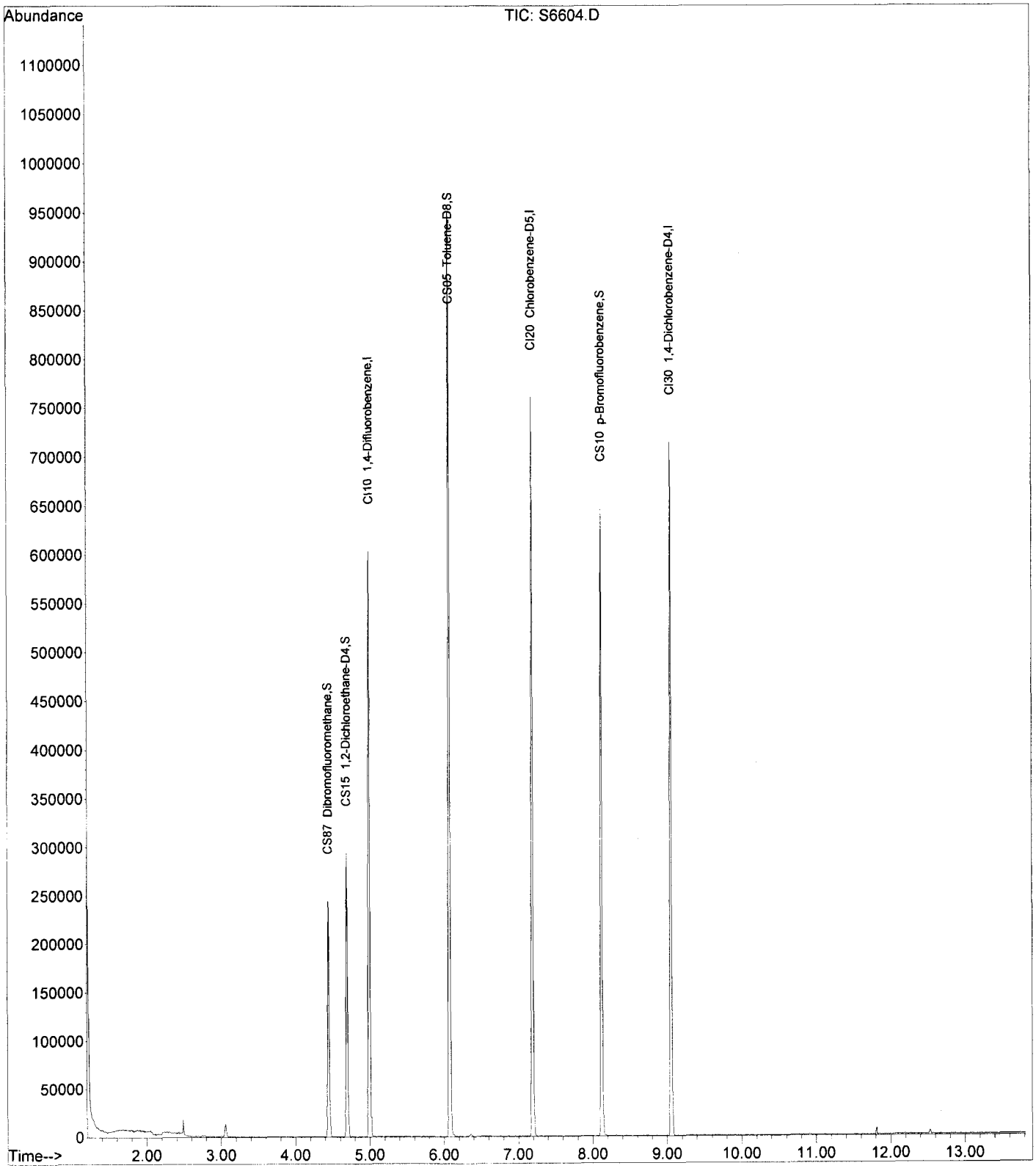
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Quantitation Report TA Buffalo (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\S6604.D Vial: 5
Acq On : 9 Aug 2008 14:44 Operator: DHC
Sample : VBLK93 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 09 15:05:26 2008 Results File: A8I0000...IXPT.RES
Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sat Aug 09 13:32:04 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\S6604.D Vial: 5
Acq On : 9 Aug 2008 14:44 Operator: DHC
Sample : VBLK93 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 09 15:05:26 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sat Aug 09 13:32:04 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\080908\S6601.D (9 Aug 2008 13:01)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.00	114	365045	125.00	ng	0.00 94.58%
43) CI20	Chlorobenzene-D5	7.19	82	178796	125.00	ng	0.00 91.93%
63) CI30	1,4-Dichlorobenzene-	9.06	152	144944	125.00	ng	0.00 89.95%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.44	111	123124	118.54	NG	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery =	94.83%		
31) CS15	1,2-Dichloroethane-D	4.69	65	149491	116.29	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery =	93.03%		
44) CS05	Toluene-D8	6.08	98	500240	120.73	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery =	96.58%		
62) CS10	p-Bromofluorobenzene	8.12	174	126309	116.13	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery =	92.90%		

Target Compounds							Qvalue
2) C290	Dichlorodifluorome	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluoromet	0.00	101	0	N.D.		
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
9) C030	Methylene chloride	3.06	84	4680	Below Cal		98
10) C040	Carbon disulfide	2.78	76	1230	N.D.		
11) C036	Acrolein	0.00	56	0	N.D.		
12) C038	Acrylonitrile	0.00	53	0	N.D.		
13) C035	Acetone	2.75	43	142	Below Cal	#	43
14) C300	Acetonitrile	3.00	41	144	N.D.		
15) C276	Iodomethane	0.00	142	0	N.D. d		
16) C291	1,1,2-Trichloro-1,	0.00	101	0	N.D.		
17) C962	T-butyl Methyl Eth	0.00	73	0	N.D.		
18) C057	trans-1,2-Dichloro	0.00	96	0	N.D.		
19) C255	Methyl Acetate	3.00	43	286	Below Cal	#	56
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropan	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroet	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
27) C060	Chloroform	0.00	83	0	N.D.		
28) C115	1,1,1-Trichloroeth	0.00	97	0	N.D.		
29) C120	Carbon tetrachlori	0.00	117	0	N.D.		
30) C116	1,1-Dichloropropen	0.00	75	0	N.D.		
32) C165	Benzene	4.71	78	291	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	0.00	43	0	N.D.		
35) C256	Cyclohexane	0.00	56	0	N.D.		
36) C150	Trichloroethene	0.00	95	0	N.D.		
37) C140	1,2-Dichloropropan	0.00	63	0	N.D.		
38) C278	Dibromomethane	0.00	93	0	N.D.		

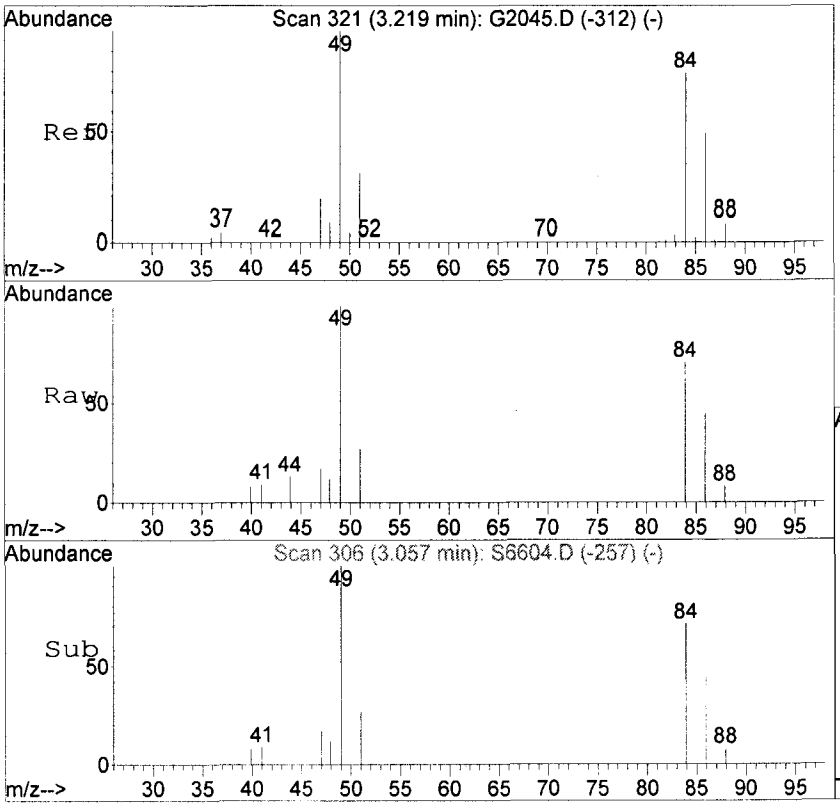
Quantitation Report TA Buffalo (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\S6604.D Vial: 5
Acq On : 9 Aug 2008 14:44 Operator: DHC
Sample : VBLK93 Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 09 15:05:26 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sat Aug 09 13:32:04 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\080908\S6601.D (9 Aug 2008 13:01)

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	0.00	83	0	N.D.	
40) C161	2-Chloroethylvinyl	0.00	63	0	N.D.	
41) C012	Methylcyclohexane	0.00	83	0	N.D.	
42) C145	cis-1,3-Dichloropr	0.00	75	0	N.D.	
45) C230	Toluene	6.12	92	476	N.D.	
46) C170	trans-1,3-Dichloro	0.00	75	0	N.D.	
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48) C160	1,1,2-Trichloroeth	0.00	83	0	N.D.	
49) C210	4-Methyl-2-pentano	6.07	43	2702	N.D.	
50) C220	Tetrachloroethene	0.00	166	0	N.D.	
51) C221	1,3-Dichloropropan	0.00	76	0	N.D.	
52) C155	Dibromochlorometha	0.00	129	0	N.D.	
53) C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54) C215	2-Hexanone	0.00	43	0	N.D.	
55) C235	Chlorobenzene	7.22	112	285	N.D.	
56) C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.	
57) C240	Ethylbenzene	7.19	91	530	N.D.	
58) C246	m,p-Xylene	0.00	106	0	N.D.	
59) C247	o-Xylene	0.00	106	0	N.D.	
60) C245	Styrene	0.00	104	0	N.D.	
61) C180	Bromoform	0.00	173	0	N.D.	
64) C966	Isopropylbenzene	0.00	105	0	N.D.	
65) C301	Bromobenzene	0.00	156	0	N.D.	
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.	
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.	
68) C283	t-1,4-Dichloro-2-B	0.00	51	0	N.D.	
69) C302	n-Propylbenzene	8.12	91	346	N.D.	
70) C303	2-Chlorotoluene	0.00	126	0	N.D.	
71) C289	4-Chlorotoluene	0.00	126	0	N.D.	
72) C304	1,3,5-Trimethylben	0.00	105	0	N.D.	
73) C306	tert-Butylbenzene	0.00	134	0	N.D.	
74) C307	1,2,4-Trimethylben	8.75	105	132	N.D.	
75) C308	sec-Butylbenzene	8.75	105	132	N.D.	
76) C260	1,3-Dichlorobenzene	9.00	146	154	Below Cal #	25
77) C309	4-Isopropyltoluene	0.00	119	0	N.D.	
78) C267	1,4-Dichlorobenzene	9.07	146	680	Below Cal #	30
79) C249	1,2-Dichlorobenzen	0.00	146	0	N.D.	
80) C310	n-Butylbenzene	0.00	91	0	N.D.	
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.	
82) C313	1,2,4-Trichloroben	0.00	180	0	N.D.	
83) C316	Hexachlorobutadien	0.00	225	0	N.D.	
84) C314	Naphthalene	10.91	128	1079	N.D.	
85) C934	1,2,3-Trichloroben	0.00	180	0	N.D.	

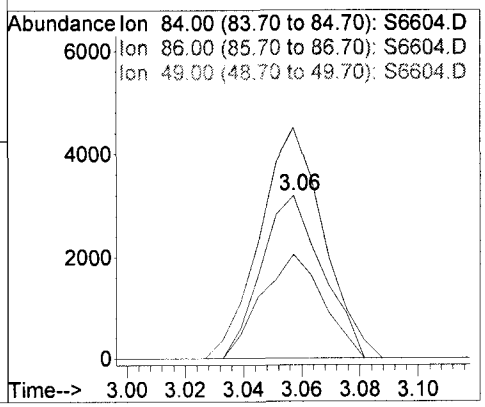
(#) = qualifier out of range (m) = manual integration (+) = signals summed

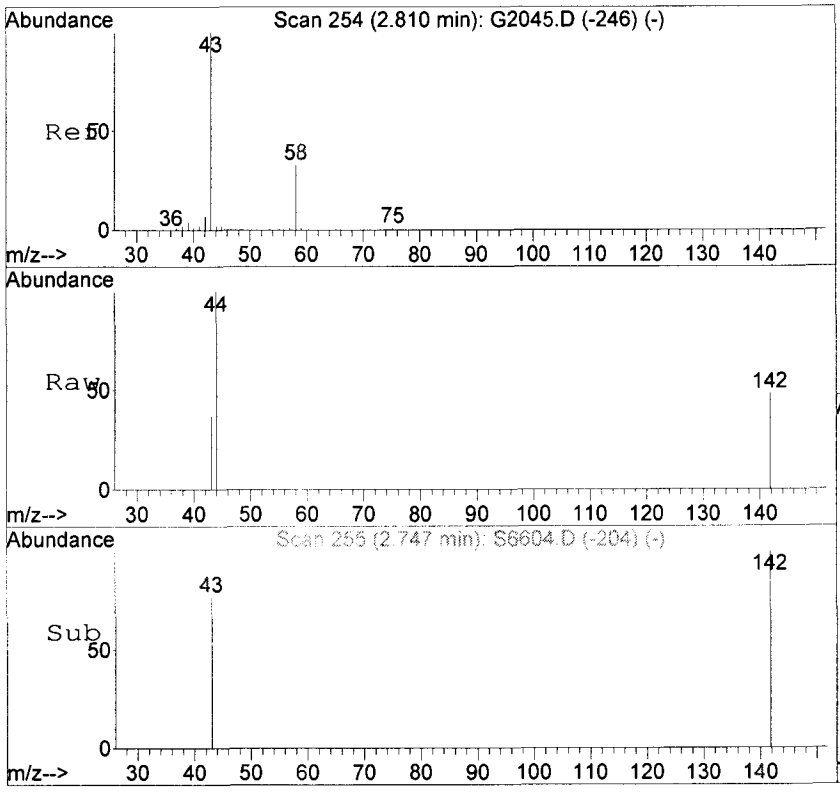


#9
C030 Methylene chloride
Concen: ~~Below Cal~~
RT: 3.06 min Scan# 306
Delta R.T. ~~0.00~~ min
Lab File: S6604.D
Acq: 9 Aug 2008 14:44

Tgt Ion: 84 Resp: 4680

Ion	Ratio	Lower	Upper
84	100		
86	64.1	31.9	91.9
49	141.1	112.6	172.6

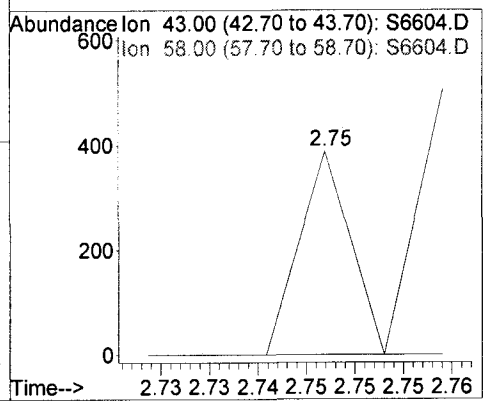


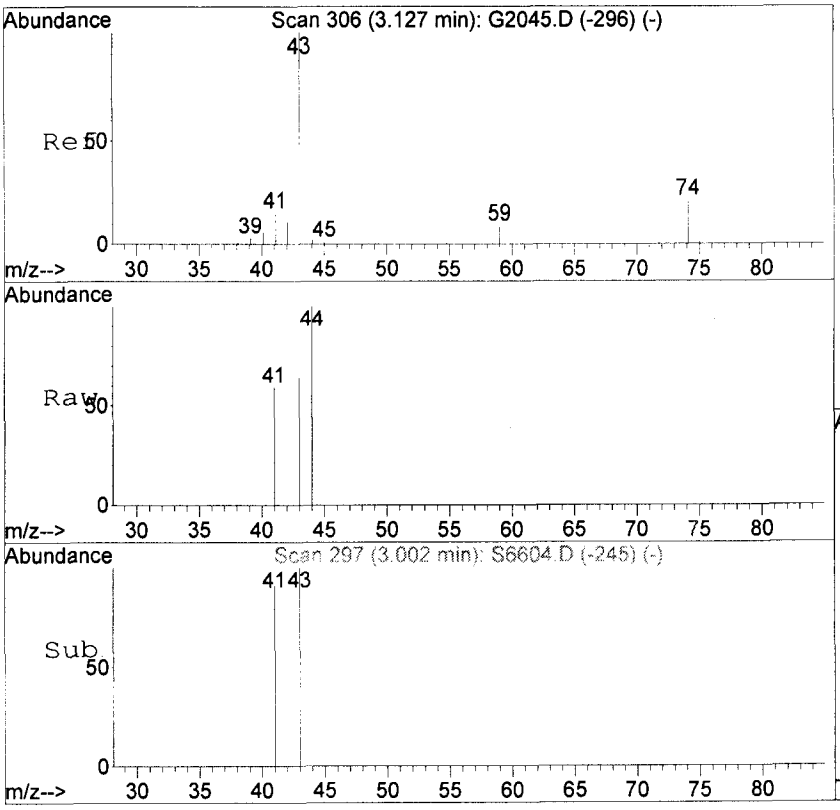


#13
C035 Acetone
Concen: ~~Below Cal~~
RT: 2.75 min Scan# 255
Delta R.T. 0.01 min
Lab File: S6604.D
Acq: 9 Aug 2008 14:44

Tgt Ion: 43 Resp: 142

Ion	Ratio	Lower	Upper
43	100		
58	0.0	1.4	61.4#

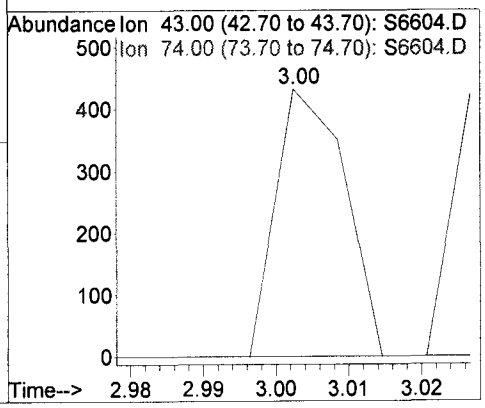


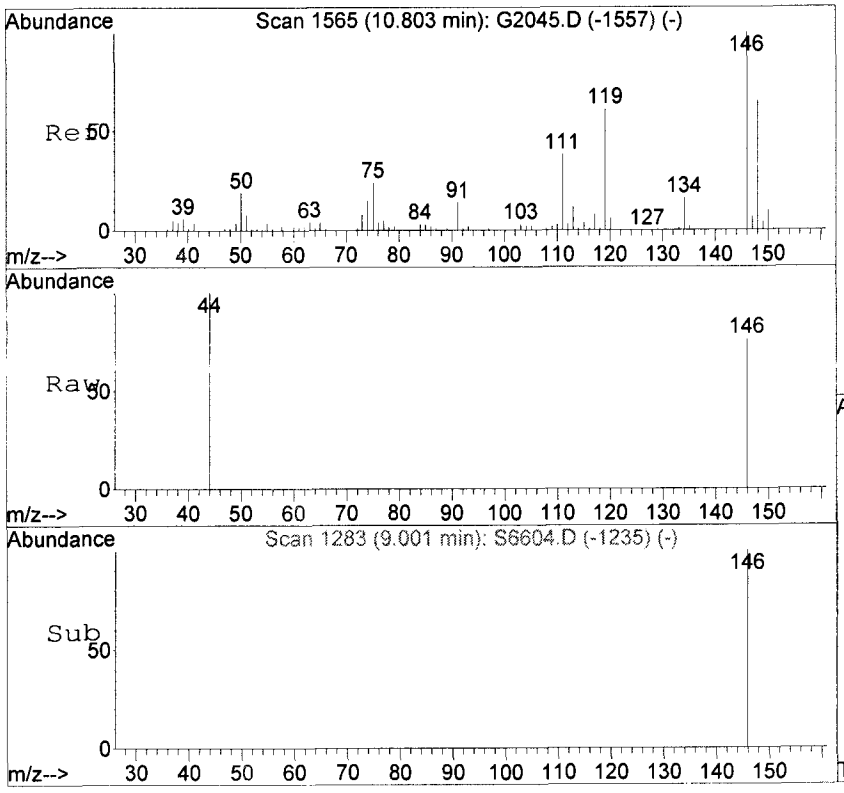


#19
C255 Methyl Acetate
Concen: Below Cal
RT: 3.00 min Scan# 297
Delta R.T. 0.02 min
Lab File: S6604.D
Acq: 9 Aug 2008 14:44

Tgt Ion: 43 Resp: 286

Ion	Ratio	Lower	Upper
43	100		
74	0.0	16.2	24.4#

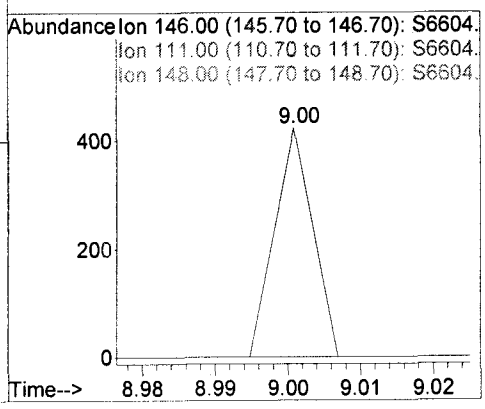


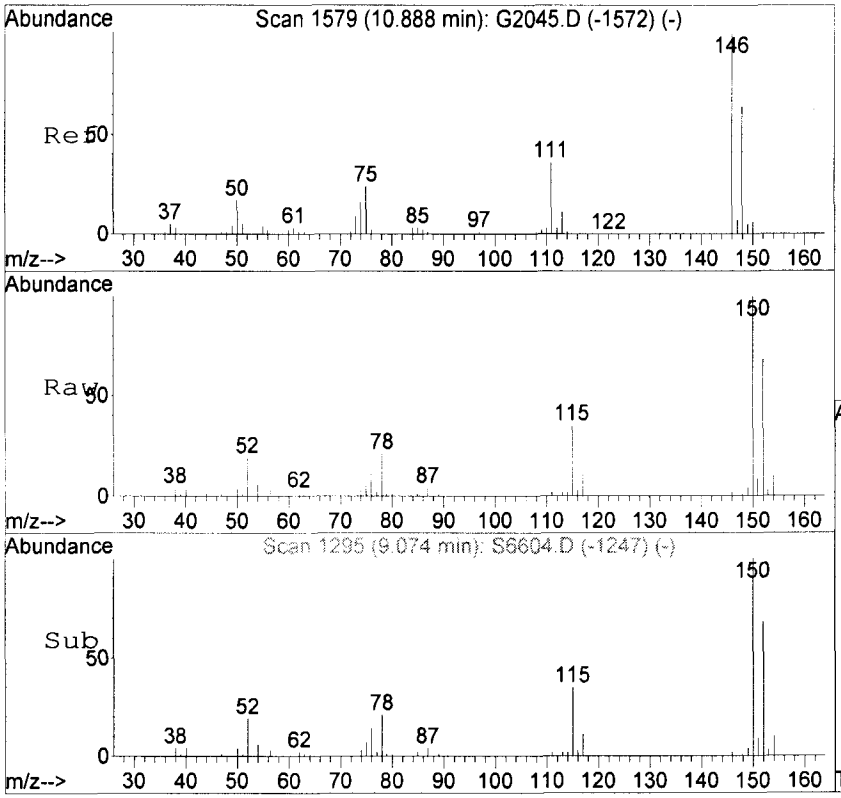


#76
C260 1,3-Dichlorobenzene
Concen: Below Cal
RT: 9.00 min Scan# 1283
Delta R.T. -0.01 min
Lab File: S6604.D
Acq: 9 Aug 2008 14:44

Tgt Ion:146 Resp: 154

Ion	Ratio	Lower	Upper
146	100		
111	0.0	9.6	69.6#
148	0.0	33.5	93.5#

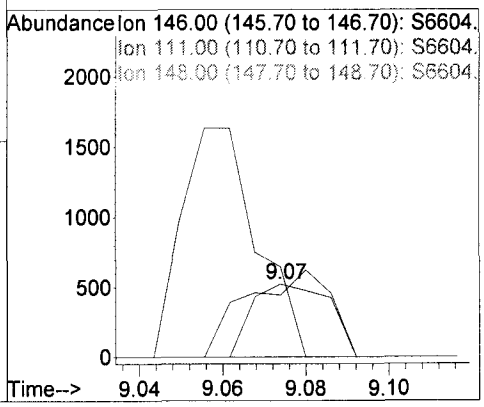




#78
C267 1,4-Dichlorobenzene
Concen: Below Cal
RT: 9.07 min Scan# 1295
Delta R.T. -0.01 min
Lab File: S6604.D
Acq: 9 Aug 2008 14:44

Tgt Ion:146 Resp: 680

Ion	Ratio	Lower	Upper
146	100		
111	123.5	6.1	66.1#
148	84.7	34.5	94.5



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK81

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8B2040702

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8217.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK81

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8B2040702

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8217.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

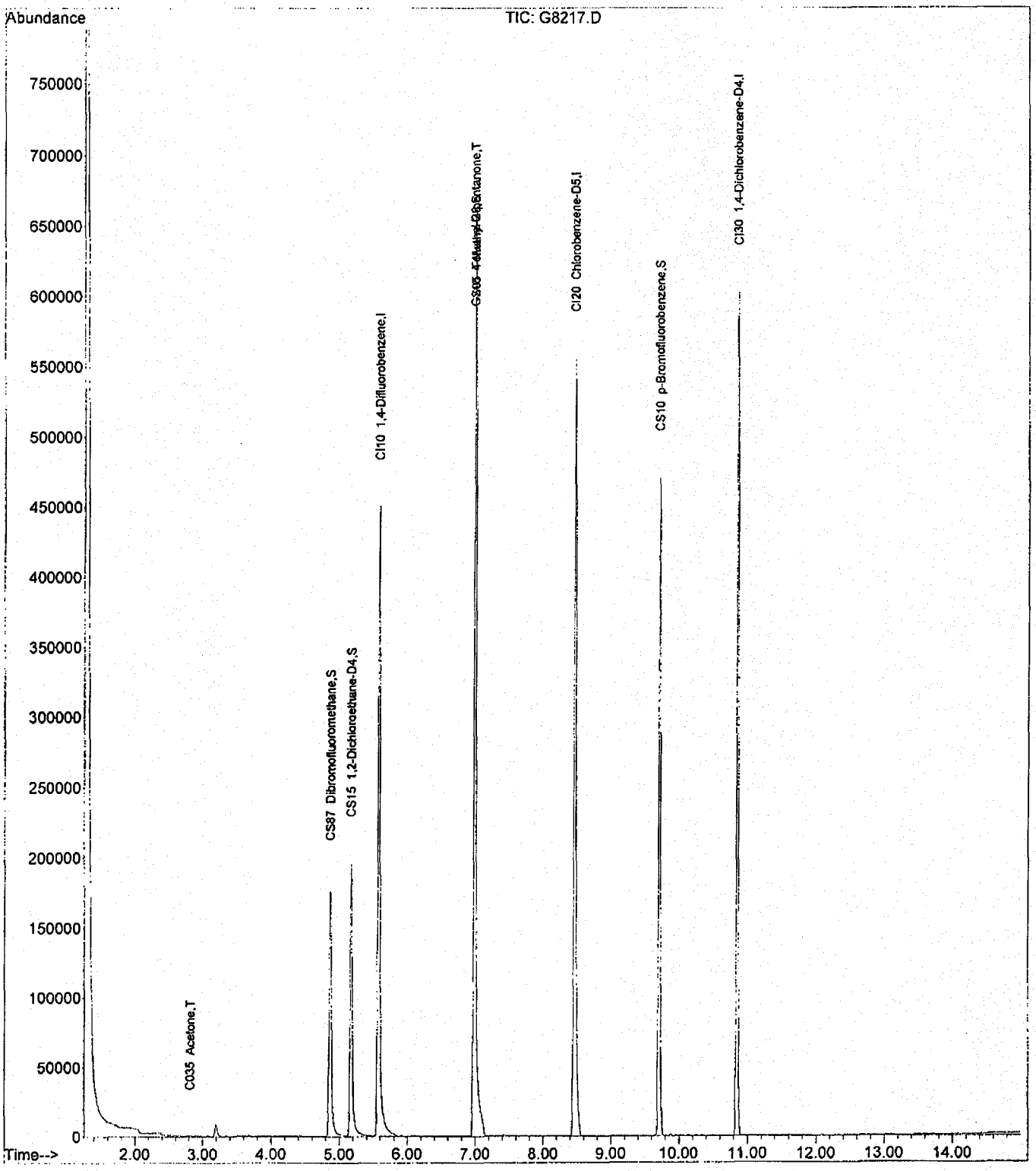
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Quantitation Report TA Buffalo (Not Reviewed)

Data File : D:\MSDCHEM\G\DATA\081008\G8217.D Vial: 5
Acq On : 10 Aug 2008 13:11 Operator: ND
Sample : VBLK81 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 10 14:08:21 2008 Results File: A8I0000...THPT.RES
Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sun Aug 10 14:08:01 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (Not Reviewed)

Data File : D:\MSDCHEM\G\DATA\081008\G8217.D Vial: 5
Acq On : 10 Aug 2008 13:11 Operator: ND
Sample : VBLK81 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 10 14:08:21 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sun Aug 10 14:08:01 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\081008\G8213.D (10 Aug 2008 11:38)

SME NJ 8/10/08 NOADD NO TIC

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.58	114	488324	125.00	ng	0.00 92.36%
43) CI20	Chlorobenzene-D5	8.46	82	216224	125.00	ng	0.00 91.89%
63) CI30	1,4-Dichlorobenzene-	10.85	152	174096	125.00	ng	0.00 84.72%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.87	111	140610	140.97	NG	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery	=	112.78%	
31) CS15	1,2-Dichloroethane-D	5.17	65	162911	140.22	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery	=	112.18%	
44) CS05	Toluene-D8	6.99	98	582161	135.03	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery	=	108.02%	
62) CS10	p-Bromofluorobenzene	9.71	174	157162	134.49	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery	=	107.59%	

Target Compounds							Qvalue
2) C290	Dichlorodifluorome	0.00	85	0	N.D.		
3) C010	Chloromethane	1.46	50	124	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluoromet	0.00	101	0	N.D.		
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
9) C030	Methylene chloride	3.20	84	5693	Below Cal		88
10) C040	Carbon disulfide	2.90	76	694	N.D.		
11) C036	Acrolein	2.64	56	55	N.D.		
12) C038	Acrylonitrile	0.00	53	0	N.D.		
13) C035	Acetone	8.81	43	851	1.54 ng	#	43
14) C300	Acetonitrile	3.04	41	58	N.D.		
15) C276	Iodomethane	0.00	142	0	N.D.		
16) C291	1,1,2-Trichloro-1,	0.00	101	0	N.D.		
17) C962	T-butyl Methyl Eth	0.00	73	0	N.D.		
18) C057	trans-1,2-Dichloro	0.00	96	0	N.D.		
19) C255	Methyl Acetate	0.00	43	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropan	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroet	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
27) C060	Chloroform	4.73	83	260	N.D.		
28) C115	1,1,1-Trichloroeth	0.00	97	0	N.D.		
29) C120	Carbon tetrachlori	0.00	117	0	N.D.		
30) C116	1,1-Dichloropropen	0.00	75	0	N.D.		
32) C165	Benzene	0.00	78	0	N.D.		
33) C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34) C110	2-Butanone	0.00	43	0	N.D.		
35) C256	Cyclohexane	0.00	56	0	N.D.		
36) C150	Trichloroethene	0.00	95	0	N.D.		
37) C140	1,2-Dichloropropan	0.00	63	0	N.D.		
38) C278	Dibromomethane	0.00	93	0	N.D.		

Quantitation Report TA Buffalo (Not Reviewed)

Data File : D:\MSDCHEM\G\DATA\081008\G8217.D Vial: 5
Acq On : 10 Aug 2008 13:11 Operator: ND
Sample : VBLK81 Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 10 14:08:21 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sun Aug 10 14:08:01 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\081008\G8213.D (10 Aug 2008 11:38)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	0.00	83	0	N.D.			
40) C161	2-Chloroethylvinyl	0.00	63	0	N.D.			
41) C012	Methylcyclohexane	0.00	83	0	N.D.			
42) C145	cis-1,3-Dichloropr	0.00	75	0	N.D.			
45) C230	Toluene	7.05	92	202	N.D.			
46) C170	trans-1,3-Dichloro	0.00	75	0	N.D.			
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.			
48) C160	1,1,2-Trichloroeth	0.00	83	0	N.D.			
49) C210	4-Methyl-2-pentanone	~~8.99~~	~~43~~	~~2334~~	~~1.20~~	ng	#	1
50) C220	Tetrachloroethene	0.00	166	0	N.D.			
51) C221	1,3-Dichloropropan	0.00	76	0	N.D.			
52) C155	Dibromochlorometha	0.00	129	0	N.D.			
53) C163	1,2-Dibromoethane	0.00	107	0	N.D.			
54) C215	2-Hexanone	0.00	43	0	N.D.			
55) C235	Chlorobenzene	0.00	112	0	N.D.			
56) C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.			
57) C240	Ethylbenzene	8.72	91	136	N.D.			
58) C246	m,p-Xylene	0.00	106	0	N.D.			
59) C247	o-Xylene	0.00	106	0	N.D.			
60) C245	Styrene	0.00	104	0	N.D.			
61) C180	Bromoform	0.00	173	0	N.D.			
64) C966	Isopropylbenzene	0.00	105	0	N.D.			
65) C301	Bromobenzene	0.00	156	0	N.D.			
66) C225	1,1,2,2-Tetrachlor	0.00	83	0	N.D.			
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.			
68) C283	t-1,4-Dichloro-2-B	0.00	51	0	N.D.			
69) C302	n-Propylbenzene	9.71	91	252	N.D.			
70) C303	2-Chlorotoluene	0.00	126	0	N.D.			
71) C289	4-Chlorotoluene	0.00	126	0	N.D.			
72) C304	1,3,5-Trimethylben	0.00	105	0	N.D.			
73) C306	tert-Butylbenzene	0.00	134	0	N.D.			
74) C307	1,2,4-Trimethylben	0.00	105	0	N.D.			
75) C308	sec-Butylbenzene	0.00	105	0	N.D.			
76) C260	1,3-Dichlorobenzen	10.87	146	349	N.D.			
77) C309	4-Isopropyltoluene	0.00	119	0	N.D.			
78) C267	1,4-Dichlorobenzen	10.87	146	349	N.D.			
79) C249	1,2-Dichlorobenzen	0.00	146	0	N.D.			
80) C310	n-Butylbenzene	0.00	91	0	N.D.			
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.			
82) C313	1,2,4-Trichloroben	12.63	180	208	N.D.			
83) C316	Hexachlorobutadien	0.00	225	0	N.D.			
84) C314	Naphthalene	12.83	128	451	N.D.			
85) C934	1,2,3-Trichloroben	13.04	180	271	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MSB93

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8B2034201

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6602.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/09/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	23	
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	23	
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	24	
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: MSB93

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8B2034201

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6602.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/09/2008

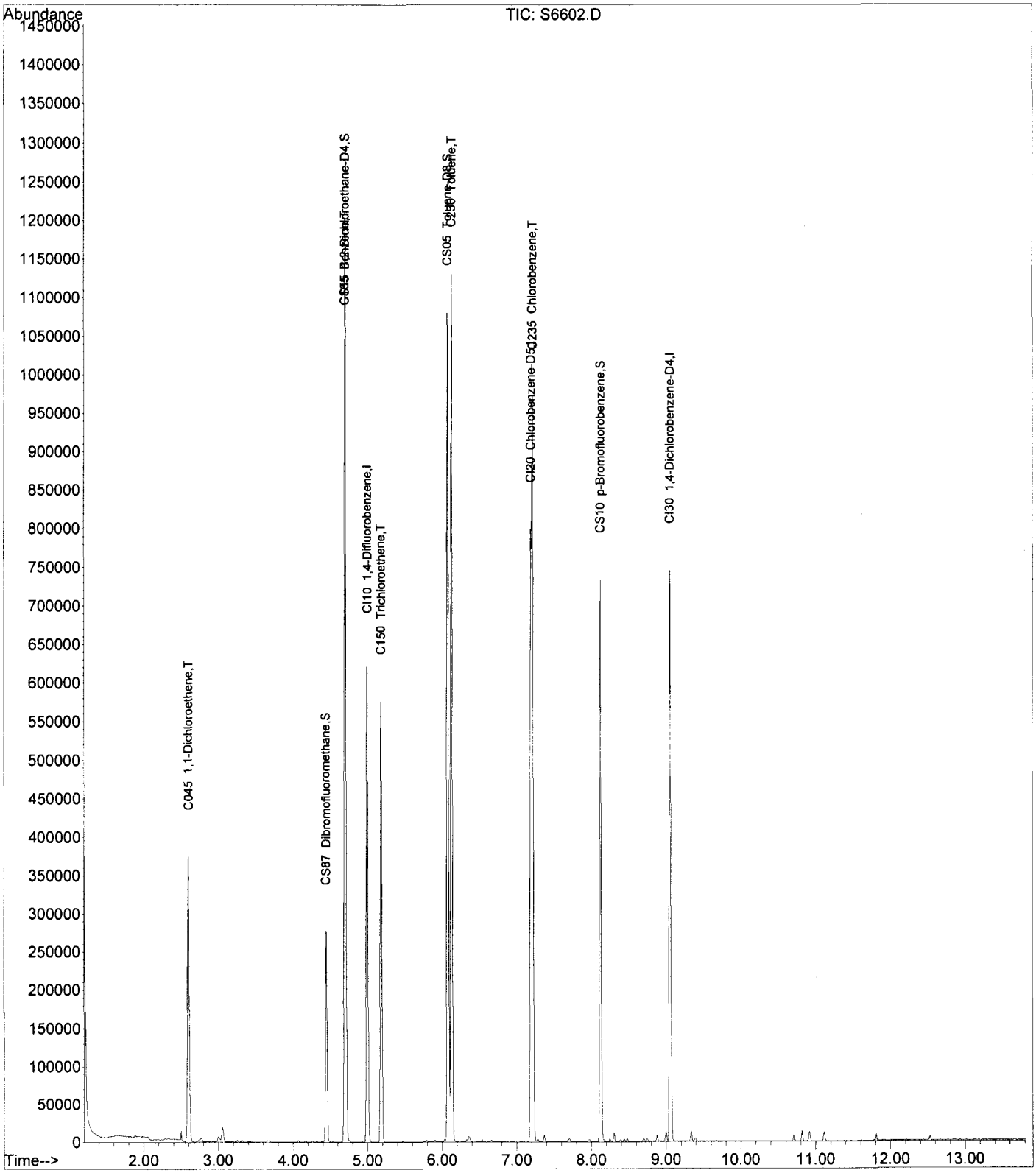
GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	23	
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	23	
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Data File : H:\GCMS_VOA\TEMP\S6602.D Vial: 3
Acq On : 9 Aug 2008 13:59 Operator: DHC
Sample : MSB Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 09 14:22:16 2008 Results File: A8I0000...IXPT.RES
Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sat Aug 09 13:32:04 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\S6602.D Vial: 3
Acq On : 9 Aug 2008 13:59 Operator: DHC
Sample : MSB Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 09 14:22:16 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sat Aug 09 13:32:04 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\080908\S6601.D (9 Aug 2008 13:01)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	5.00	114	379176	125.00	ng	0.00 98.25%
43) CI20	Chlorobenzene-D5	7.19	82	190018	125.00	ng	0.00 97.70%
63) CI30	1,4-Dichlorobenzene-	9.06	152	150454	125.00	ng	0.00 93.36%
System Monitoring Compounds							
26) CS87	Dibromofluoromethane	4.44	111	137111	127.08	NG	0.00
Spiked Amount	125.000	Range 70 - 130		Recovery = 101.66%			
31) CS15	1,2-Dichloroethane-D	4.69	65	171304	128.29	ng	0.00
Spiked Amount	125.000	Range 66 - 137		Recovery = 102.63%			
44) CS05	Toluene-D8	6.07	98	567160	128.80	ng	0.00
Spiked Amount	125.000	Range 71 - 126		Recovery = 103.04%			
62) CS10	p-Bromofluorobenzene	8.12	174	141916	122.78	ng	0.00
Spiked Amount	125.000	Range 73 - 120		Recovery = 98.22%			
Target Compounds							Qvalue
2) C290	Dichlorodifluorome	0.00	85	0	N.D.		
3) C010	Chloromethane	1.47	50	139	N.D.		
4) C020	Vinyl chloride	1.54	62	333	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D. d		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluoromet	0.00	101	0	N.D.		
8) C045	1,1-Dichloroethene	2.60	96	135273	120.03	ng	95
9) C030	Methylene chloride	3.06	84	7431	Below Cal		97
10) C040	Carbon disulfide	2.77	76	4828	N.D.		
11) C036	Acrolein	2.58	56	1437	N.D.		
12) C038	Acrylonitrile	3.31	53	1674	N.D.		
13) C035	Acetone	2.75	43	2335	Below Cal	#	43
14) C300	Acetonitrile	3.00	41	7319	N.D.		
15) C276	Iodomethane	0.00	142	0	N.D. d		
16) C291	1,1,2-Trichloro-1,	0.00	101	0	N.D.		
17) C962	T-butyl Methyl Eth	0.00	73	0	N.D.		
18) C057	trans-1,2-Dichloro	3.25	96	577	N.D.		
19) C255	Methyl Acetate	3.00	43	1738	Below Cal	#	56
20) C050	1,1-Dichloroethane	3.62	63	270	N.D.		
21) C125	Vinyl Acetate	3.67	43	3758	N.D.		
22) C051	2,2-Dichloropropan	4.04	77	135	N.D.		
23) C056	cis-1,2-Dichloroet	4.07	96	844	N.D.		
24) C272	Tetrahydrofuran	4.38	42	438	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
27) C060	Chloroform	4.32	83	765	N.D.		
28) C115	1,1,1-Trichloroeth	4.41	97	459	N.D.		
29) C120	Carbon tetrachlori	0.00	117	0	N.D.		
30) C116	1,1-Dichloropropen	4.54	75	565	N.D.		
32) C165	Benzene	4.70	78	610037	116.36	ng	100
33) C065	1,2-Dichloroethane	4.75	62	1008	N.D.		
34) C110	2-Butanone	4.16	43	1619	N.D.		
35) C256	Cyclohexane	0.00	56	0	N.D.		
36) C150	Trichloroethene	5.18	95	149618	113.91	ng	89
37) C140	1,2-Dichloropropan	0.00	63	0	N.D.		
38) C278	Dibromomethane	5.47	93	510	N.D.		

2/20/09

Quantitation Report TA Buffalo (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\S6602.D Vial: 3
Acq On : 9 Aug 2008 13:59 Operator: DHC
Sample : MSB Inst : HP5973S
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 09 14:22:16 2008 Results File: A8I0000...IXPT.RES

Quant Method : D:\MSDCHEM\S.....I0000584-SIXPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sat Aug 09 13:32:04 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\S\Data\080908\S6601.D (9 Aug 2008 13:01)

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
39) C130	Bromodichlorometha	5.59	83	142	N.D.	
40) C161	2-Chloroethylvinyl	5.79	63	827	N.D.	
41) C012	Methylcyclohexane	5.18	83	1567	N.D.	
42) C145	cis-1,3-Dichloropr	5.90	75	1064	N.D.	
45) C230	Toluene	6.13	92	369524	116.16 ng	93
46) C170	trans-1,3-Dichloro	6.33	75	1354	N.D.	
47) C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48) C160	1,1,2-Trichloroeth	0.00	83	0	N.D.	
49) C210	4-Methyl-2-pentano	6.03	43	2470	N.D.	
50) C220	Tetrachloroethene	6.53	166	678	N.D.	
51) C221	1,3-Dichloropropan	6.60	76	517	N.D.	
52) C155	Dibromochlorometha	0.00	129	0	N.D.	
53) C163	1,2-Dibromoethane	6.86	107	503	N.D.	
54) C215	2-Hexanone	6.66	43	1910	N.D.	
55) C235	Chlorobenzene	7.22	112	382413	115.14 ng	97
56) C281	1,1,1,2-Tetrachlor	0.00	131	0	N.D.	
57) C240	Ethylbenzene	7.28	91	2939	N.D.	
58) C246	m,p-Xylene	7.37	106	2642	N.D.	
59) C247	o-Xylene	7.69	106	692	N.D.	
60) C245	Styrene	7.71	104	1709	N.D.	
61) C180	Bromoform	0.00	173	0	N.D.	
64) C966	Isopropylbenzene	7.97	105	2705	N.D.	
65) C301	Bromobenzene	8.25	156	951	N.D.	
66) C225	1,1,2,2-Tetrachlor	8.26	83	374	N.D.	
67) C282	1,2,3-Trichloropro	0.00	110	0	N.D.	
68) C283	t-1,4-Dichloro-2-B	8.30	51	736	N.D.	
69) C302	n-Propylbenzene	8.30	91	4732	N.D.	
70) C303	2-Chlorotoluene	8.39	126	544	N.D.	
71) C289	4-Chlorotoluene	8.48	126	903	N.D.	
72) C304	1,3,5-Trimethylben	8.44	105	2928	N.D.	
73) C306	tert-Butylbenzene	8.71	134	568	N.D.	
74) C307	1,2,4-Trimethylben	8.75	105	3140	N.D.	
75) C308	sec-Butylbenzene	8.88	105	5505	N.D.	
76) C260	1,3-Dichlorobenzene	9.01	146	2904	Below Cal	87
77) C309	4-Isopropyltoluene	8.99	119	4655	N.D.	
78) C267	1,4-Dichlorobenzene	9.08	146	3990	Below Cal	94
79) C249	1,2-Dichlorobenzen	9.39	146	2068	N.D.	
80) C310	n-Butylbenzene	9.34	91	7498	N.D.	
81) C286	1,2-Dibromo-3-Chlo	0.00	75	0	N.D.	
82) C313	1,2,4-Trichlorobenze	10.71	180	3052	Below Cal	97
83) C316	Hexachlorobutadien	10.82	225	2694	N.D.	
84) C314	Naphthalene	0.00	128	0	N.D. d	
85) C934	1,2,3-Trichloroben	0.00	180	0	N.D. d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

2/19/09

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MSB81

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8B2040701

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8214.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	130	
71-43-2	Benzene	26	
75-27-4	Bromodichloromethane	27	
75-25-2	Bromoform	23	
74-83-9	Bromomethane	25	
78-93-3	2-Butanone	120	
75-15-0	Carbon Disulfide	26	
56-23-5	Carbon Tetrachloride	25	
108-90-7	Chlorobenzene	26	
75-00-3	Chloroethane	26	
67-66-3	Chloroform	26	
74-87-3	Chloromethane	26	
110-82-7	Cyclohexane	22	
106-93-4	1,2-Dibromoethane	26	
124-48-1	Dibromochloromethane	27	
96-12-8	1,2-Dibromo-3-chloropropane	24	
95-50-1	1,2-Dichlorobenzene	25	
541-73-1	1,3-Dichlorobenzene	26	
106-46-7	1,4-Dichlorobenzene	26	
75-71-8	Dichlorodifluoromethane	26	
75-34-3	1,1-Dichloroethane	26	
107-06-2	1,2-Dichloroethane	25	
75-35-4	1,1-Dichloroethene	26	
156-59-2	cis-1,2-Dichloroethene	26	
156-60-5	trans-1,2-Dichloroethene	27	
78-87-5	1,2-Dichloropropane	26	
10061-01-5	cis-1,3-Dichloropropene	27	
10061-02-6	trans-1,3-Dichloropropene	26	
100-41-4	Ethylbenzene	26	
591-78-6	2-Hexanone	120	
98-82-8	Isopropylbenzene	23	
79-20-9	Methyl acetate	30	
108-87-2	Methylcyclohexane	23	
75-09-2	Methylene chloride	26	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: MSB81

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8B2040701

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8214.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

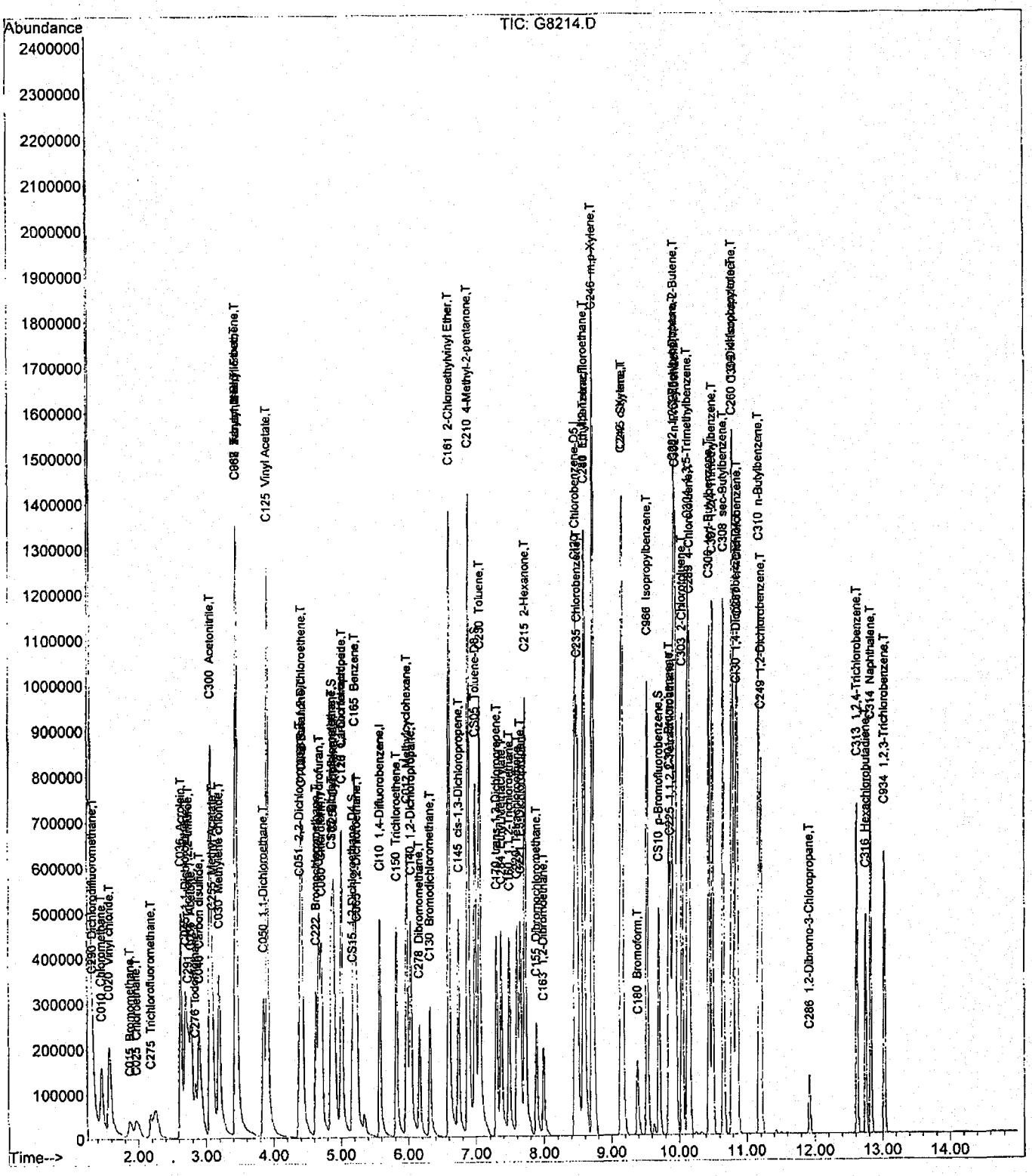
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	120	
1634-04-4	Methyl-t-Butyl Ether (MTBE)	29	
100-42-5	Styrene	26	
79-34-5	1,1,2,2-Tetrachloroethane	26	
127-18-4	Tetrachloroethene	24	
108-88-3	Toluene	25	
120-82-1	1,2,4-Trichlorobenzene	26	
71-55-6	1,1,1-Trichloroethane	26	
79-00-5	1,1,2-Trichloroethane	26	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22	
75-69-4	Trichlorofluoromethane	24	
79-01-6	Trichloroethene	26	
75-01-4	Vinyl chloride	26	
1330-20-7	Total Xylenes	77	

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDChem\G\Data\081008\G8214.D Vial: 2
Acq On : 10 Aug 2008 12:01 Operator: ND
Sample : MSB(FULL) Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Aug 10 12:22:00 2008 Results File: A8I0000...THPT.RES
Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sun Aug 10 12:21:26 2008
Response via : Initial Calibration
DataAcq Meth : VOA



Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDChem\G\Data\081008\G8214.D Vial: 2
Acq On : 10 Aug 2008 12:01 Operator: ND
Sample : MSB(FULL) Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 10 12:22:00 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sun Aug 10 12:21:26 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\081008\G8213.D (10 Aug 2008 11:38)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10 1,4-Difluorobenzene	5.58	114	513626	125.00	ng	0.00 97.15%
43) CI20 Chlorobenzene-D5	8.46	82	234399	125.00	ng	0.00 99.61%
63) CI30 1,4-Dichlorobenzene-	10.85	152	203787	125.00	ng	0.00 99.17%
System Monitoring Compounds						
26) CS87 Dibromofluoromethane	4.87	111	149067	142.08	NG	0.00
Spiked Amount 125.000	Range 70 - 130		Recovery = 113.66%			
31) CS15 1,2-Dichloroethane-D	5.17	65	163250	133.59	ng	0.00
Spiked Amount 125.000	Range 66 - 137		Recovery = 106.87%			
44) CS05 Toluene-D8	6.99	98	643717	137.73	ng	0.00
Spiked Amount 125.000	Range 71 - 126		Recovery = 110.18%			
62) CS10 p-Bromofluorobenzene	9.71	174	173727	137.14	ng	0.00
Spiked Amount 125.000	Range 73 - 120		Recovery = 109.71%			
Target Compounds						Qvalue
2) C290 Dichlorodifluorometh	1.34	85	126934	130.51	ng	# 100
3) C010 Chloromethane	1.46	50	236456	130.65	ng	97
4) C020 Vinyl chloride	1.58	62	233295	131.20	ng	85
5) C015 Bromomethane	1.87	94	50121	127.04	ng	82
6) C025 Chloroethane	1.97	64	78672	127.60	ng	89
7) C275 Trichlorofluorometha	2.18	101	172804m	121.28	ng	100
8) C045 1,1-Dichloroethene	2.70	96	186660	128.86	ng	95
9) C030 Methylene chloride	3.20	84	232666	129.43	ng	94
10) C040 Carbon disulfide	2.90	76	570192	128.28	ng	100
11) C036 Acrolein	2.63	56	641711	1948.75	ng	95
12) C038 Acrylonitrile	3.45	53	492537	662.19	ng	93
13) C035 Acetone	2.78	43	384038	662.37	ng	100
14) C300 Acetonitrile	3.06	41	1404388	5565.25	ng	98
15) C276 Iodomethane	2.85	142	247060	107.57	ng	85
16) C291 1,1,2-Trichloro-1,2,	2.74	101	143640	109.06	ng	94
17) C962 T-butyl Methyl Ether	3.45	73	616985	145.59	ng	89
18) C057 trans-1,2-Dichloroet	3.45	96	222734	134.91	ng	94
19) C255 Methyl Acetate	3.10	43	289237	148.36	ng	99
20) C050 1,1-Dichloroethane	3.85	63	391757	132.64	ng	99
21) C125 Vinyl Acetate	3.90	43	2268221	585.40	ng	98
22) C051 2,2-Dichloropropane	4.38	77	239158	135.09	ng	99
23) C056 cis-1,2-Dichloroethe	4.41	96	233089	131.53	ng	95
24) C272 Tetrahydrofuran	4.68	42	397991	632.16	ng	99
25) C222 Bromochloromethane	4.63	128	115086	133.52	ng	97
27) C060 Chloroform	4.71	83	320977	132.26	ng	100
28) C115 1,1,1-Trichloroethan	4.86	97	249056	128.18	ng	97
29) C120 Carbon tetrachloride	5.01	117	196712	127.25	ng	95
30) C116 1,1-Dichloropropene	5.01	75	250494	125.03	ng	95
32) C165 Benzene	5.21	78	850866	129.14	ng	98
33) C065 1,2-Dichloroethane	5.24	62	270008	127.06	ng	96
34) C110 2-Butanone	4.43	43	560875	627.93	ng	95
35) C256 Cyclohexane	4.90	56	339744	112.97	ng	94
36) C150 Trichloroethene	5.82	95	190315	128.14	ng	96
37) C140 1,2-Dichloropropane	6.04	63	218280	131.06	ng	99
38) C278 Dibromomethane	6.16	93	113613	132.24	ng	95

Quantitation Report TA Buffalo (QT Reviewed)

Data File : D:\MSDChem\G\Data\081008\G8214.D Vial: 2
Acq On : 10 Aug 2008 12:01 Operator: ND
Sample : MSB(FULL) Inst : HP5973G
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 10 12:22:00 2008 Results File: A8I0000...THPT.RES

Quant Method : D:\MSDCHEM\G.....000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sun Aug 10 12:21:26 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : D:\MSDChem\G\Data\081008\G8213.D (10 Aug 2008 11:38)

Internal Standards			R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
39)	C130	Bromodichloromethane	6.32	83	227287	136.76	ng		98
40)	C161	2-Chloroethylvinyl E	6.60	63	737428	633.32	ng		97
41)	C012	Methylcyclohexane	5.98	83	323874	114.00	ng		98
42)	C145	cis-1,3-Dichloroprop	6.74	75	324397	135.27	ng		98
45)	C230	Toluene	7.05	92	526190	125.68	ng		92
46)	C170	trans-1,3-Dichloropr	7.30	75	293671	128.84	ng		92
47)	C284	Ethyl Methacrylate	7.37	69	276468	130.77	ng	#	98
48)	C160	1,1,2-Trichloroethan	7.49	83	152205	131.19	ng		99
49)	C210	4-Methyl-2-pentanone	6.88	43	1220009	615.69	ng		97
50)	C220	Tetrachloroethene	7.60	166	200066	121.37	ng		97
51)	C221	1,3-Dichloropropane	7.65	76	320206	126.30	ng		98
52)	C155	Dibromochloromethane	7.89	129	176025	133.89	ng		97
53)	C163	1,2-Dibromoethane	7.99	107	181938	129.16	ng		97
54)	C215	2-Hexanone	7.72	43	804243	619.44	ng		95
55)	C235	Chlorobenzene	8.49	112	578510	128.75	ng		98
56)	C281	1,1,1,2-Tetrachloroe	8.59	131	173485	131.06	ng		93
57)	C240	Ethylbenzene	8.60	91	930008	127.50	ng		97
58)	C246	m,p-Xylene	8.72	106	759542	255.73	ng		96
59)	C247	o-Xylene	9.15	106	372485	129.54	ng		93
60)	C245	Styrene	9.16	104	646775	132.93	ng		92
61)	C180	Bromoform	9.39	173	101201	117.03	ng		97
64)	C966	Isopropylbenzene	9.53	105	802936	113.61	ng		99
65)	C301	Bromobenzene	9.86	156	228281	127.67	ng		99
66)	C225	1,1,2,2-Tetrachloroe	9.88	83	227691	130.34	ng		99
67)	C282	1,2,3-Trichloropropa	9.92	110	63251	110.56	ng		100
68)	C283	t-1,4-Dichloro-2-But	9.93	51	154354	591.64	ng	#	70
69)	C302	n-Propylbenzene	9.96	91	1084855	124.26	ng		98
70)	C303	2-Chlorotoluene	10.05	126	216892	127.28	ng		100
71)	C289	4-Chlorotoluene	10.16	126	226284	127.84	ng		100
72)	C304	1,3,5-Trimethylbenze	10.13	105	717848	126.18	ng		100
73)	C306	tert-Butylbenzene	10.45	134	161244	121.84	ng		94
74)	C307	1,2,4-Trimethylbenze	10.50	105	727318	130.24	ng		100
75)	C308	sec-Butylbenzene	10.66	105	900713	131.86	ng		96
76)	C260	1,3-Dichlorobenzene	10.79	146	411857	129.36	ng		98
77)	C309	4-Isopropyltoluene	10.80	119	731359	122.36	ng		98
78)	C267	1,4-Dichlorobenzene	10.87	146	419784	129.19	ng		99
79)	C249	1,2-Dichlorobenzene	11.22	146	380820	127.32	ng		99
80)	C310	n-Butylbenzene	11.18	91	649058	125.05	ng		99
81)	C286	1,2-Dibromo-3-Chloro	11.93	75	29473	121.39	ng		93
82)	C313	1,2,4-Trichlorobenze	12.62	180	228700	128.09	ng		98
83)	C316	Hexachlorobutadiene	12.76	225	84473	117.17	ng		91
84)	C314	Naphthalene	12.83	128	635659	124.54	ng		97
85)	C934	1,2,3-Trichlorobenze	13.04	180	203938	123.11	ng		99

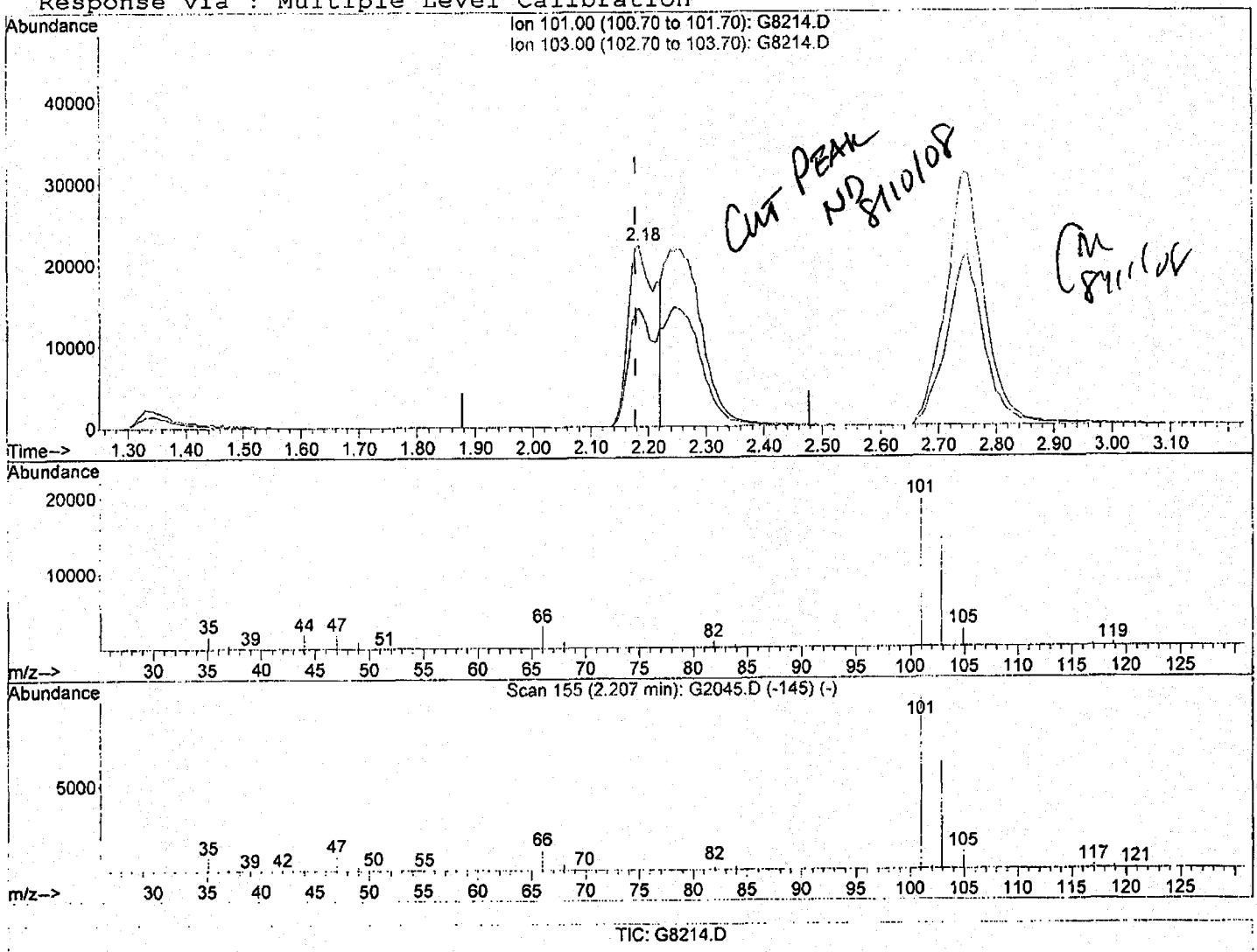
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data File : D:\MSDChem\G\Data\081008\G8214.D
Acq On : 10 Aug 2008 12:01
Sample : MSB(FULL)
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 10 12:21:36 2008

Vial: 2
Operator: ND
Inst : HP5973G
Multiplr: 1.00

Method : D:\MSDCHEM\G\MET...000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sun Aug 10 12:21:26 2008
Response via : Multiple Level Calibration



TIC: G8214.D

(7) C275 Trichlorofluoromethane (T)

2.18min (+0.006) 51.53ng

response 73426

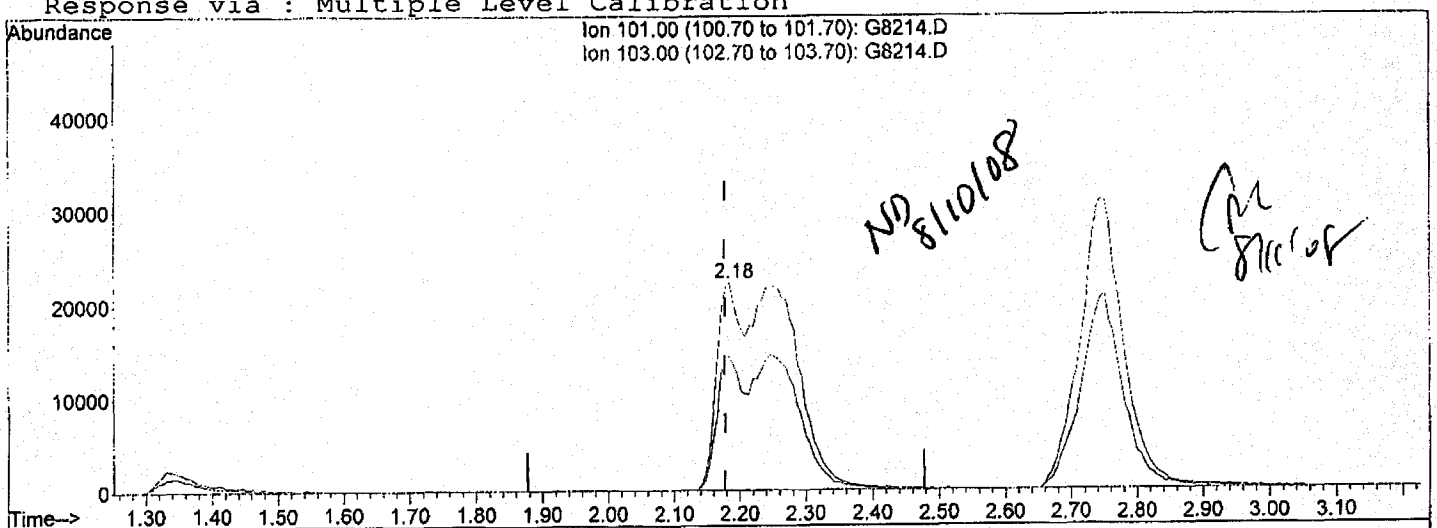
Ion	Exp%	Act%
101.00	100	100
103.00	64.90	64.75
0.00	0.00	0.00
0.00	0.00	0.00

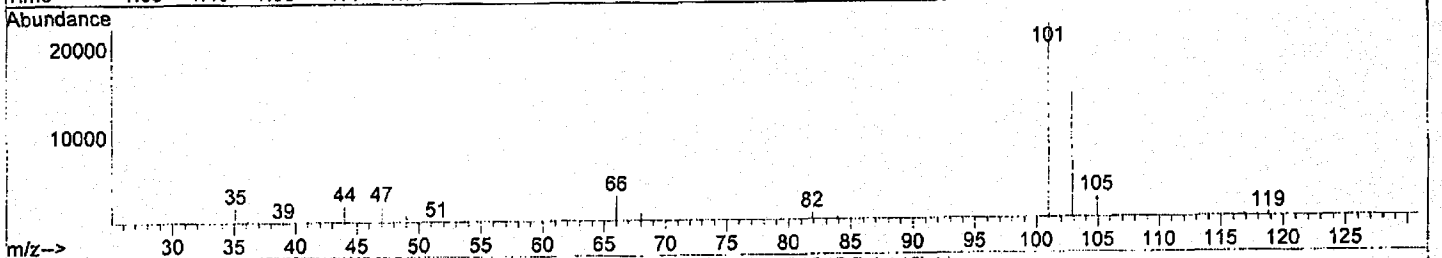
Quantitation Report (Qedit)

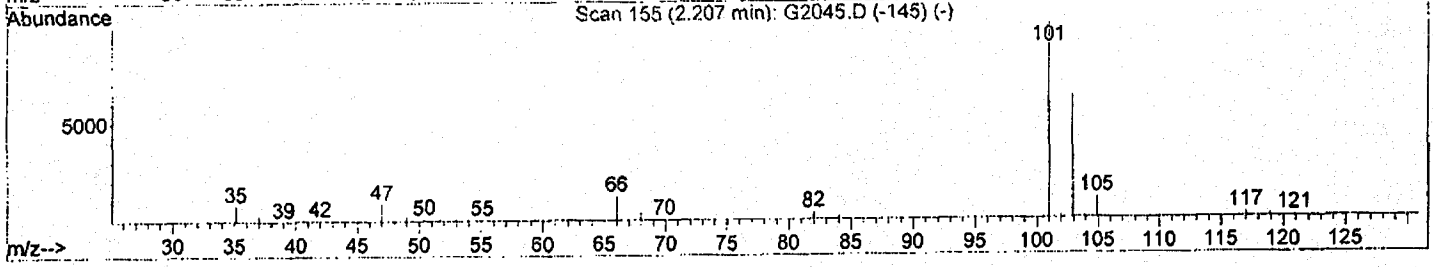
Data File : D:\MSDChem\G\Data\081008\G8214.D
Acq On : 10 Aug 2008 12:01
Sample : MSB(FULL)
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 10 12:21:36 2008

Vial: 2
Operator: ND
Inst : HP5973G
Multiplr: 1.00

Method : D:\MSDCHEM\G\MET...000594-SIXTHPT.M (RTE Integrator)
Title : 8260 5ML WATER
Last Update : Sun Aug 10 12:21:26 2008
Response via : Multiple Level Calibration







TIC: G8214.D

(7) C275 Trichlorofluoromethane (T)

2.18min (+0.006) 121.28ng m

response 172804

Ion	Exp%	Act%
101.00	100	100
103.00	64.90	64.75
0.00	0.00	0.00
0.00	0.00	0.00

GC/MS VOLATILE INJECTION LOG

Logbook # A08-04-009

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
7/27/08	1154	ND	G8148	VBLK-79	QC	5mL	7	—
	1253		G8149	A88727 02	8727			1
	1316		G8150	05	1			1
	1340		G8151	A88724 03	8724			1
	1403		G8152	04				1
			G8153	05				1
			G8154	07				1
			G8155	11				1
			G8156	13				1
			G8157	17				1
			G8158	19				1
			G8159	20 7/28	1			1
			G8160	A88778 01	8778			1
			G8161	02 7/28 SS	1			1
			G8162	03				1
			G8163	04				1
			G8164	05	1			1
			G8165	A88668 01 F.D.	8668			1
			G8166	A88367 01 TCLP	8367			10
			G8167	A88311 01	8311			10
			G8168	A88543 02	8543			10
			G8169	A88545 02	8545			1
			G8170	Z-1930 1	Z-1930			10
			G8171	A88543 02 MS	8543			10
			G8172	02 SD	1	1	1	10
8/8/08	1534	LH	G8173	0808BFB61	7	5mL	7	7
	—		G8174	VSTD001				
	1636		G8175	VSTD001				
	1659		G8176	VSTD005				
	1727		G8177	VSTD010				
	1745		G8178	VSTD025				
	1809		G8179	VSTD050				
	1832		G8180	VSTD100				
	—		G8181	TPAK				

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-04-09

STD #	IS/SS MIX #	ReRun?	pH <2	Comments
	ISSOFF/XF		—	
			7	
			✓	
			✓	
			✓	
				OJ neck broke did not sample
WS19AW-8, WS19AX-7				
WS1AH-3	ISSIOFF/XF			PASS
WS6AK-1 WS12AK-1 WS13BI-3				8260 (A8E...0594)

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-04-009

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
8/8/08	1915	ND	G8182	0808B3FBG2	QC	1µL	7	7
	1938		G8183	VSTD025		5mL		
	2001		G8184	SSCAL / MSB				
	2024		G8185	ADD025				
	2049		G8186	IBLK				
	2112		G8187	VBLK80				1
	2134		G8188	A89108 01 DL	9108			2
	2157		G8189	A89174 02 DL	9174			20
	2220		G8190	07 DL				100
	2242		G8191	12 DL				50
	2305		G8192	A89143 15	9143			1
	2328		G8193	01				1
	2350		G8194	02				1
8/9/08	0013		G8195	03				1
	0036		G8196	04				1
	0058		G8197	05				1
	0121		G8198	06				1
	0144		G8199	07				1
	0206		G8200	08				1
	0230		G8201	09				1
	0253		G8202	10				1
	0316		G8203	11				1
	0339		G8204	12				1
	0402		G8205	13				1
	0426		G8206	14				1
	0450		G8207	A89160 01	9160			1
	0513		G8208	12				1
	0536		G8209	03				1
	0559		G8210	A89174 07MS	9174			100
	0622		G8211	07SD				100
8/10/08	1117	ND	G8212	0810BFBG1	QC	1µL	7	7
	1138		G8213	VSTD025		5mL		
	1201		G8214	MSB(FULL)				
	1225		G8215	ADD025				
	1248		G8216	IBLK				
	1311		G8217	VBLK81				1
	1410		G8218	A89195 01	9195			1
	1433		G8219	02				8

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-04-09

STD #	IS/SS MIX #	ReRun?	pH <2	Comments
WS1AH-3				PASS
WS6AK-1, WS12AK-1, WS13BI-3	IS10PF/XF			8260 (ASI... 0544)
WS19AZ-7, WS19AH-9				
WS5AJ-5, WS5AK-7				ADD (ASI... 0243)
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
WS19AW-9, WS19AY-2				
WS1AH-3				PASS
WS6AK-1, WS12AK-1, WS13BI-3	IS10PF/XF			8260 (ASI... 0544)
WS19AZ-7, WS19AH-9				
WS5AJ-5, WS5AK-7				ADD (ASI... 0243)
			X	
			X	

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-04-009

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
8/10/08	1456	ND	G8220	A89195 03	9195	5ml	7	1
	1519		G8221	05				1
	1542		G8222	06				1
	1606		G8223	07				1
	1629		G8224	08				1
	1653	ND 8/10/08	G8225	A89201 02DL	9201			100
	1717		G8226	A89205 03	9205			1
	1739		G8227	06DL				50
	1803		G8228	07				1
	1826		G8229	A89236 04DL	9236			8
	1849		G8230	A89193 05DL	9193			4
	1912		G8231	A89216 01	9216			1
	1935		G8232	02				1
	1958		G8233	03				1
	2021		G8234	04				1
	2044		G8235	05				1
	2108		G8236	06				1
	2131		G8237	07				1
	2154		G8238	08				1
	2217		G8239	09				1
	2240		G8240	10				1
	2303		G8241	A89236 04MS	9236			8
	2326		G8242	04SD				8

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-04-09

STD #	IS/SS MIX #	ReRun?	pH <2	Comments
7	1S10FF/XF		7	
			X	
			X	
			X	
			7	
			X	
			X	
			X	
			X	
		Y	X	Does Not Match base DLDF5
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
			X	
WS3AE-4			—	
			—	

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-03-04

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
8/6/08		ND	S6536	ADD 001				
			S6537	ADD 001				
			S6538	ADD 005				
			S6539	ADD 010				
			S6540	ADD 025				
			S6541	ADD 050				
			S6542	ADD 100				
			S6543	VSTD 001				
			S6544	VSTD 001				
8/8/08	1534	LH	S6548	0808BFBS1	7	5mL	7	7
			S6549	VSTD001 (NA)				
			S6550	VSTD001				
	1645		S6551	VSTD005				
	1708		S6552	VSTD010				
	1731		S6553	VSTD025				
	1754		S6554	VSTD050				
	1816		S6555	VSTD100				
	—		S6556	IBMK				
	—	ND	S6557	VSTD 001 (NA)				
	1928		S6558	VSTD 001				

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-03-04

STD #	IS/SS MIX #	ReRun?	pH <2	Comments
WSSAJ-5, WSSAK-7, WS114-14-4, WSHS-14-5	ISS10FK/XM			ADD (A8I... 0585)
WS6AK-9, WS12AJ-3, WS13BH-6				
WS1AK-3	ISS10FK/XM			PASS
WS6AK-1 WS12AK-1 WS13BI-3				SUPER ↑ 8260 (A8I...584)
WS6AK-1 WS12AK-1 WS13BI-3				

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-03-04

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
8/9/08	0351	ND	S6577	A89129 11	9129	5uL		1
	0414		S6578	12				1
	0437		S6579	13				1
	0459		S6580	A89158 01	9158			1
	0522		S6581	02				1
	0545		S6582	03				1
	0608		S6583	04				1
	0631		S6584	A89154 01	9154			1
	0655		S6585	02				1
	0718		S6586	03				1
	0741		S6587	04				1
	0804		S6588	05				1
	0827		S6589	A89129 03MS	9129			400
	0849		S6590	03SD				400
	0912		S6591	IBLK	IBLK			1
	0935		S6592	A89128 02 VHBIS	9128			1
	0957		S6593	03				1
	1020		S6594	04				1
	1043		S6595	06				1
	1106		S6596	08				1
	1130		S6597	09				1
	1153		S6598	10				1
	1215		S6599	11				1
8/9/08	1240	EDK	S6600	CBBBFBS1	QC	1uL		=
	1301		S6601	1/8TD025		5uL		=
	1359		S6602	MSB				=
	1422		S6603	IBLK				=
	1446		S6604	VBLK93				=
	1524		S6605	A89195 01	9195			20
	1547		S6606	02				20
	1610		S6607	03				20
	1633		S6608	04				1
	1656		S6609	05				20
	1718		S6610	06				20
	1741		S6611	07				10
	1804		S6612	~~08~~ 09				101
	1827		S6613	A89201 09 01	9201			1
	1850		S6614	~~A8 9201 01~~ 02	9201			50

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-03-04

STD #	IS/SS MIX #	ReRun?	pH <2	Comments
	IS510FX/XM			
WS19AZ-7, WS19AV-9				
WS1AH3				PASS
WS6AK1, WS9AK1, WS13BE3 WS3AI4	IS10FX/xm			8260 (A8I ....584)
		Y	X	DF1
		Y	X	DF8
		Y		DF1
			X	
		Y	X	DF8 1 ND 8/10/09
		Y	X	DF1
		Y	X	DF1
			X	
			X	
		Y	X	DL x100

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ANALYTICAL REPORT

Job#: A08-9212

Project#: NY9A8463
Site Name: ARCADIS
Task: LMC - Utica, NY

Jeff Bonsteel
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TestAmerica Laboratories Inc.

Candace L. Fox
Project Manager

08/13/2008

TestAmerica
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TestAmerica Buffalo
Current Certifications

As of 6/15/2007

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA,CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	Registration, NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department of Energy	DOECAP-STB
Virginia	SDWA	278
Washington	CWA,RCRA	C1677
West Virginia	CWA,RCRA	252
Wisconsin	CWA, RCRA	998310390

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A8921211	DUP-073008	WATER	07/30/2008	00:00	07/31/2008	07:50
A8921206	FB-073008	WATER	07/30/2008	11:10	07/31/2008	07:50
A8921210	MW-1	WATER	07/30/2008	13:26	07/31/2008	07:50
A8921203	MW-10	WATER	07/30/2008	09:50	07/31/2008	07:50
A8921213	MW-13BR	WATER	07/30/2008	16:35	07/31/2008	07:50
A8921208	MW-13S	WATER	07/30/2008	12:05	07/31/2008	07:50
A8921209	MW-13T	WATER	07/30/2008	12:20	07/31/2008	07:50
A8921212	MW-2	WATER	07/30/2008	16:25	07/31/2008	07:50
A8921207	MW-3	WATER	07/30/2008	11:30	07/31/2008	07:50
A8921205	MW-4	WATER	07/30/2008	11:00	07/31/2008	07:50
A8921204	MW-5	WATER	07/30/2008	10:10	07/31/2008	07:50
A8921201	MW-9	WATER	07/30/2008	08:40	07/31/2008	07:50
A8921202	PZ-4	WATER	07/30/2008	09:45	07/31/2008	07:50
A8921214	TRIP BLANK	WATER	07/30/2008	00:00	07/31/2008	07:50

METHODS SUMMARY

Job#: A08-9212

Project#: NY9A8463
Site Name: ARCADIS

PARAMETER	ANALYTICAL METHOD
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260
Lead - Soluble	SW8463 6010
Lead - Total	SW8463 6010
Silver - Soluble	SW8463 6010
Silver - Total	SW8463 6010
Cyanide - Soluble	MCAWW 335.4
Cyanide - Total	SW8463 9012A
Hexavalent Chromium - Soluble	SW8463 7196A
Hexavalent Chromium - Total	SW8463 7196A

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes",EPA/600/4-79-020 (Mar 1983) with updates and supplements EPA/600/4-91-010 (Jun 1991), EPA/600/R-92-129 (Aug 1992) and EPA/600/R-93-100 (Aug 1993)

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SDG NARRATIVE

Job#: A08-9212

Project#: NY9A8463
Site Name: ARCADIS

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-9212
Sample Cooler(s) were received at the following temperature(s); 5.4 °C
The 40 ml volatile vials received for sample MW-5 contained bubbles/lacked zero headspace.

GC/MS Volatile Data

No deviations from protocol were encountered during the analytical procedures.

Metals Data

No deviations from protocol were encountered during the analytical procedures.

Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

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The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

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DATA QUALIFIER PAGE

These definitions are provided in the event the data in this report requires the use of one or more of the qualifiers. Not all qualifiers defined below are necessarily used in the accompanying data package.

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for CLP methodology only. For Pesticide/Aroclor target analytes, when a difference for detected concentrations between the two GC columns is greater than 25%, the lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
[1]	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected. Report with the detection limit value.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
G	Indicates a value greater than or equal to the project reporting limit but less than the laboratory quantitation limit
*	Indicates the spike or duplicate analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

Arcadis, Geraghty & Miller
LMC - Utica, NY

Sample ID: DUP-073008
Lab Sample ID: A8921211
Date Collected: 07/30/2008
Time Collected: 00:00

Date Received: 07/31/2008
Project No: NY9A8463
Client No: 011196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
1,1-Dichloroethane	0.85	J	5.0	UG/L	8260	08/10/2008 20:02	ND
1,1-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
1,2-Dibromoethane	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
1,2-Dichloroethane	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
1,2-Dichloropropane	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
2-Butanone	ND		25	UG/L	8260	08/10/2008 20:02	ND
2-Hexanone	ND		25	UG/L	8260	08/10/2008 20:02	ND
4-Methyl-2-pentanone	ND		25	UG/L	8260	08/10/2008 20:02	ND
Acetone	ND		25	UG/L	8260	08/10/2008 20:02	ND
Benzene	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Bromodichloromethane	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Bromoform	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Bromomethane	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Carbon Disulfide	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Carbon Tetrachloride	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Chlorobenzene	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Chloroethane	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Chloroform	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Chloromethane	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
cis-1,2-Dichloroethene	2.5	J	5.0	UG/L	8260	08/10/2008 20:02	ND
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Cyclohexane	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Dibromochloromethane	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Dichlorodifluoromethane	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Ethylbenzene	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Isopropylbenzene	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Methyl acetate	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Methylcyclohexane	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Methylene chloride	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Styrene	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Tetrachloroethene	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Toluene	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Total Xylenes	ND		15	UG/L	8260	08/10/2008 20:02	ND
trans-1,2-Dichloroethene	1.1	J	5.0	UG/L	8260	08/10/2008 20:02	ND
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Trichloroethene	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Trichlorofluoromethane	ND		5.0	UG/L	8260	08/10/2008 20:02	ND
Vinyl chloride	8.0		5.0	UG/L	8260	08/10/2008 20:02	ND

Arcadis, Geraghty & Miller
LMC - Utica, NY

Sample ID: FB-073008
Lab Sample ID: A8921206
Date Collected: 07/30/2008
Time Collected: 11:10

Date Received: 07/31/2008
Project No: NY9A8463
Client No: 011196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
1,1-Dichloroethane	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
1,1-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
1,2-Dibromoethane	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
1,2-Dichloroethane	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
1,2-Dichloropropane	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
2-Butanone	ND		25	UG/L	8260	08/10/2008 18:09	ND
2-Hexanone	ND		25	UG/L	8260	08/10/2008 18:09	ND
4-Methyl-2-pentanone	ND		25	UG/L	8260	08/10/2008 18:09	ND
Acetone	ND		25	UG/L	8260	08/10/2008 18:09	ND
Benzene	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Bromodichloromethane	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Bromoform	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Bromomethane	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Carbon Disulfide	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Carbon Tetrachloride	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Chlorobenzene	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Chloroethane	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Chloroform	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Chloromethane	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
cis-1,2-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Cyclohexane	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Dibromochloromethane	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Dichlorodifluoromethane	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Ethylbenzene	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Isopropylbenzene	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Methyl acetate	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Methylcyclohexane	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Methylene chloride	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Styrene	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Tetrachloroethene	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Toluene	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Total Xylenes	ND		15	UG/L	8260	08/10/2008 18:09	ND
trans-1,2-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Trichloroethene	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Trichlorofluoromethane	ND		5.0	UG/L	8260	08/10/2008 18:09	ND
Vinyl chloride	ND		5.0	UG/L	8260	08/10/2008 18:09	ND

Arcadis, Geraghty & Miller
LMC - Utica, NY

Sample ID: FB-073008
Lab Sample ID: A8921206
Date Collected: 07/30/2008
Time Collected: 11:10

Date Received: 07/31/2008
Project No: NY9A8463
Client No: 011196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Lead - Total	ND		0.0050	MG/L	6010	08/01/2008 21:20	TWS
Silver - Total	ND		0.0030	MG/L	6010	08/01/2008 21:20	TWS
Wet Chemistry Analysis							
Cyanide - Total	ND		10	UG/L	9012A	08/01/2008 08:05	JM
Hexavalent Chromium - Total	ND		10	UG/L	7196A	07/31/2008 09:15	ERK

Arcadis, Geraghty & Miller
LMC - Utica, NY

Sample ID: MW-1
Lab Sample ID: A8921210
Date Collected: 07/30/2008
Time Collected: 13:26

Date Received: 07/31/2008
Project No: NY9A8463
Client No: 011196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
1,1-Dichloroethane	8.3		5.0	UG/L	8260	08/10/2008 19:39	ND
1,1-Dichloroethene	0.57	J	5.0	UG/L	8260	08/10/2008 19:39	ND
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
1,2-Dibromoethane	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
1,2-Dichloroethane	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
1,2-Dichloropropane	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
2-Butanone	ND		25	UG/L	8260	08/10/2008 19:39	ND
2-Hexanone	ND		25	UG/L	8260	08/10/2008 19:39	ND
4-Methyl-2-pentanone	ND		25	UG/L	8260	08/10/2008 19:39	ND
Acetone	ND		25	UG/L	8260	08/10/2008 19:39	ND
Benzene	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Bromodichloromethane	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Bromoform	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Bromomethane	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Carbon Disulfide	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Carbon Tetrachloride	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Chlorobenzene	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Chloroethane	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Chloroform	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Chloromethane	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
cis-1,2-Dichloroethene	54		5.0	UG/L	8260	08/10/2008 19:39	ND
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Cyclohexane	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Dibromochloromethane	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Dichlorodifluoromethane	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Ethylbenzene	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Isopropylbenzene	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Methyl acetate	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Methylcyclohexane	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Methylene chloride	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Styrene	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Tetrachloroethene	60		5.0	UG/L	8260	08/10/2008 19:39	ND
Toluene	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Total Xylenes	ND		15	UG/L	8260	08/10/2008 19:39	ND
trans-1,2-Dichloroethene	2.0	J	5.0	UG/L	8260	08/10/2008 19:39	ND
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Trichloroethene	18		5.0	UG/L	8260	08/10/2008 19:39	ND
Trichlorofluoromethane	ND		5.0	UG/L	8260	08/10/2008 19:39	ND
Vinyl chloride	4.7	J	5.0	UG/L	8260	08/10/2008 19:39	ND

Arcadis, Geraghty & Miller
LMC - Utica, NY

Sample ID: MW-1
Lab Sample ID: A8921210
Date Collected: 07/30/2008
Time Collected: 13:26

Date Received: 07/31/2008
Project No: NY9A8463
Client No: 011196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Lead - Soluble	ND		0.0050	MG/L	6010	08/01/2008 23:12	AH
Lead - Total	ND		0.0050	MG/L	6010	08/01/2008 23:00	TWS
Silver - Soluble	ND		0.0030	MG/L	6010	08/01/2008 23:12	AH
Silver - Total	ND		0.0030	MG/L	6010	08/01/2008 23:00	TWS
Wet Chemistry Analysis							
Cyanide - Soluble	ND		0.010	MG/L	335.4	08/01/2008 08:05	JM
Cyanide - Total	ND		10	UG/L	9012A	08/01/2008 08:05	JM
Hexavalent Chromium - Soluble	ND		0.010	MG/L	7196A	07/31/2008 09:15	ERK
Hexavalent Chromium - Total	ND		10	UG/L	7196A	07/31/2008 09:15	ERK

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LMC - Utica, NY

Sample ID: MW-10
Lab Sample ID: A8921203
Date Collected: 07/30/2008
Time Collected: 09:50

Date Received: 07/31/2008
Project No: NY9A8463
Client No: 011196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
1,1-Dichloroethane	6.9		5.0	UG/L	8260	08/10/2008 17:01	ND
1,1-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
1,2-Dibromoethane	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
1,2-Dichloroethane	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
1,2-Dichloropropane	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
2-Butanone	ND		25	UG/L	8260	08/10/2008 17:01	ND
2-Hexanone	ND		25	UG/L	8260	08/10/2008 17:01	ND
4-Methyl-2-pentanone	ND		25	UG/L	8260	08/10/2008 17:01	ND
Acetone	ND		25	UG/L	8260	08/10/2008 17:01	ND
Benzene	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Bromodichloromethane	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Bromoform	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Bromomethane	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Carbon Disulfide	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Carbon Tetrachloride	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Chlorobenzene	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Chloroethane	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Chloroform	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Chloromethane	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
cis-1,2-Dichloroethene	41		5.0	UG/L	8260	08/10/2008 17:01	ND
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Cyclohexane	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Dibromochloromethane	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Dichlorodifluoromethane	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Ethylbenzene	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Isopropylbenzene	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Methyl acetate	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Methylcyclohexane	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Methylene chloride	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Styrene	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Tetrachloroethene	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Toluene	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Total Xylenes	ND		15	UG/L	8260	08/10/2008 17:01	ND
trans-1,2-Dichloroethene	3.3	J	5.0	UG/L	8260	08/10/2008 17:01	ND
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Trichloroethene	3.9	J	5.0	UG/L	8260	08/10/2008 17:01	ND
Trichlorofluoromethane	ND		5.0	UG/L	8260	08/10/2008 17:01	ND
Vinyl chloride	38		5.0	UG/L	8260	08/10/2008 17:01	ND

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Sample ID: MW-10
Lab Sample ID: A8921203
Date Collected: 07/30/2008
Time Collected: 09:50

Date Received: 07/31/2008
Project No: NY9A8463
Client No: 011196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
Metals Analysis							
Lead - Soluble	ND		0.0050	MG/L	6010	08/01/2008 23:07	AH
Lead - Total	ND		0.0050	MG/L	6010	08/01/2008 21:14	TWS
Silver - Soluble	ND		0.0030	MG/L	6010	08/01/2008 23:07	AH
Silver - Total	ND		0.0030	MG/L	6010	08/01/2008 21:14	TWS
Wet Chemistry Analysis							
Cyanide - Soluble	ND		0.010	MG/L	335.4	08/01/2008 08:05	JM
Cyanide - Total	ND		10	UG/L	9012A	08/01/2008 08:05	JM
Hexavalent Chromium - Soluble	ND		0.010	MG/L	7196A	07/31/2008 09:15	ERK
Hexavalent Chromium - Total	ND		10	UG/L	7196A	07/31/2008 09:15	ERK

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Sample ID: MW-13BR
Lab Sample ID: A8921213
Date Collected: 07/30/2008
Time Collected: 16:35

Date Received: 07/31/2008
Project No: NY9A8463
Client No: 011196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
1,1-Dichloroethane	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
1,1-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
1,2-Dibromoethane	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
1,2-Dichloroethane	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
1,2-Dichloropropane	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
2-Butanone	ND		25	UG/L	8260	08/10/2008 20:48	ND
2-Hexanone	ND		25	UG/L	8260	08/10/2008 20:48	ND
4-Methyl-2-pentanone	ND		25	UG/L	8260	08/10/2008 20:48	ND
Acetone	ND		25	UG/L	8260	08/10/2008 20:48	ND
Benzene	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Bromodichloromethane	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Bromoform	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Bromomethane	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Carbon Disulfide	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Carbon Tetrachloride	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Chlorobenzene	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Chloroethane	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Chloroform	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Chloromethane	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
cis-1,2-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Cyclohexane	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Dibromochloromethane	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Dichlorodifluoromethane	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Ethylbenzene	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Isopropylbenzene	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Methyl acetate	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Methylcyclohexane	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Methylene chloride	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Styrene	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Tetrachloroethene	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Toluene	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Total Xylenes	ND		15	UG/L	8260	08/10/2008 20:48	ND
trans-1,2-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Trichloroethene	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Trichlorofluoromethane	ND		5.0	UG/L	8260	08/10/2008 20:48	ND
Vinyl chloride	ND		5.0	UG/L	8260	08/10/2008 20:48	ND

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Sample ID: MW-13S
Lab Sample ID: A8921208
Date Collected: 07/30/2008
Time Collected: 12:05

Date Received: 07/31/2008
Project No: NY9A8463
Client No: 011196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	1.2	J	5.0	UG/L	8260	08/10/2008 18:54	ND
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
1,1-Dichloroethane	4.6	J	5.0	UG/L	8260	08/10/2008 18:54	ND
1,1-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
1,2-Dibromoethane	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
1,2-Dichloroethane	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
1,2-Dichloropropane	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
2-Butanone	ND		25	UG/L	8260	08/10/2008 18:54	ND
2-Hexanone	ND		25	UG/L	8260	08/10/2008 18:54	ND
4-Methyl-2-pentanone	ND		25	UG/L	8260	08/10/2008 18:54	ND
Acetone	ND		25	UG/L	8260	08/10/2008 18:54	ND
Benzene	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Bromodichloromethane	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Bromoform	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Bromomethane	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Carbon Disulfide	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Carbon Tetrachloride	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Chlorobenzene	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Chloroethane	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Chloroform	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Chloromethane	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
cis-1,2-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Cyclohexane	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Dibromochloromethane	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Dichlorodifluoromethane	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Ethylbenzene	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Isopropylbenzene	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Methyl acetate	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Methylcyclohexane	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Methylene chloride	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Styrene	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Tetrachloroethene	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Toluene	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Total Xylenes	ND		15	UG/L	8260	08/10/2008 18:54	ND
trans-1,2-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Trichloroethene	0.53	J	5.0	UG/L	8260	08/10/2008 18:54	ND
Trichlorofluoromethane	ND		5.0	UG/L	8260	08/10/2008 18:54	ND
Vinyl chloride	ND		5.0	UG/L	8260	08/10/2008 18:54	ND

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Sample ID: MW-13T
Lab Sample ID: A8921209
Date Collected: 07/30/2008
Time Collected: 12:20

Date Received: 07/31/2008
Project No: NY9A8463
Client No: 011196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
1,1-Dichloroethane	6.2		5.0	UG/L	8260	08/10/2008 19:17	ND
1,1-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
1,2-Dibromoethane	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
1,2-Dichloroethane	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
1,2-Dichloropropane	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
2-Butanone	ND		25	UG/L	8260	08/10/2008 19:17	ND
2-Hexanone	ND		25	UG/L	8260	08/10/2008 19:17	ND
4-Methyl-2-pentanone	ND		25	UG/L	8260	08/10/2008 19:17	ND
Acetone	ND		25	UG/L	8260	08/10/2008 19:17	ND
Benzene	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Bromodichloromethane	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Bromoform	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Bromomethane	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Carbon Disulfide	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Carbon Tetrachloride	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Chlorobenzene	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Chloroethane	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Chloroform	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Chloromethane	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
cis-1,2-Dichloroethene	2.5	J	5.0	UG/L	8260	08/10/2008 19:17	ND
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Cyclohexane	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Dibromochloromethane	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Dichlorodifluoromethane	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Ethylbenzene	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Isopropylbenzene	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Methyl acetate	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Methylcyclohexane	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Methylene chloride	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Styrene	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Tetrachloroethene	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Toluene	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Total Xylenes	ND		15	UG/L	8260	08/10/2008 19:17	ND
trans-1,2-Dichloroethene	0.71	J	5.0	UG/L	8260	08/10/2008 19:17	ND
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Trichloroethene	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Trichlorofluoromethane	ND		5.0	UG/L	8260	08/10/2008 19:17	ND
Vinyl chloride	26		5.0	UG/L	8260	08/10/2008 19:17	ND

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Sample ID: MW-2
Lab Sample ID: A8921212
Date Collected: 07/30/2008
Time Collected: 16:25

Date Received: 07/31/2008
Project No: NY9A8463
Client No: 011196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	0.57	J	5.0	UG/L	8260	08/10/2008 20:25	ND
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
1,1-Dichloroethane	7.0		5.0	UG/L	8260	08/10/2008 20:25	ND
1,1-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
1,2-Dibromoethane	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
1,2-Dichloroethane	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
1,2-Dichloropropane	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
2-Butanone	ND		25	UG/L	8260	08/10/2008 20:25	ND
2-Hexanone	ND		25	UG/L	8260	08/10/2008 20:25	ND
4-Methyl-2-pentanone	ND		25	UG/L	8260	08/10/2008 20:25	ND
Acetone	ND		25	UG/L	8260	08/10/2008 20:25	ND
Benzene	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Bromodichloromethane	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Bromoform	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Bromomethane	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Carbon Disulfide	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Carbon Tetrachloride	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Chlorobenzene	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Chloroethane	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Chloroform	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Chloromethane	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
cis-1,2-Dichloroethene	12		5.0	UG/L	8260	08/10/2008 20:25	ND
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Cyclohexane	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Dibromochloromethane	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Dichlorodifluoromethane	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Ethylbenzene	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Isopropylbenzene	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Methyl acetate	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Methylcyclohexane	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Methylene chloride	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Styrene	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Tetrachloroethene	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Toluene	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Total Xylenes	ND		15	UG/L	8260	08/10/2008 20:25	ND
trans-1,2-Dichloroethene	2.1	J	5.0	UG/L	8260	08/10/2008 20:25	ND
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Trichloroethene	0.62	J	5.0	UG/L	8260	08/10/2008 20:25	ND
Trichlorofluoromethane	ND		5.0	UG/L	8260	08/10/2008 20:25	ND
Vinyl chloride	36		5.0	UG/L	8260	08/10/2008 20:25	ND

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Sample ID: MW-3
Lab Sample ID: A8921207
Date Collected: 07/30/2008
Time Collected: 11:30

Date Received: 07/31/2008
Project No: NY9A8463
Client No: 011196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
1,1-Dichloroethane	5.2		5.0	UG/L	8260	08/10/2008 18:31	ND
1,1-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
1,2-Dibromoethane	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
1,2-Dichloroethane	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
1,2-Dichloropropane	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
2-Butanone	ND		25	UG/L	8260	08/10/2008 18:31	ND
2-Hexanone	ND		25	UG/L	8260	08/10/2008 18:31	ND
4-Methyl-2-pentanone	ND		25	UG/L	8260	08/10/2008 18:31	ND
Acetone	ND		25	UG/L	8260	08/10/2008 18:31	ND
Benzene	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Bromodichloromethane	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Bromoform	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Bromomethane	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Carbon Disulfide	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Carbon Tetrachloride	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Chlorobenzene	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Chloroethane	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Chloroform	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Chloromethane	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
cis-1,2-Dichloroethene	53		5.0	UG/L	8260	08/10/2008 18:31	ND
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Cyclohexane	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Dibromochloromethane	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Dichlorodifluoromethane	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Ethylbenzene	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Isopropylbenzene	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Methyl acetate	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Methylcyclohexane	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Methylene chloride	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Styrene	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Tetrachloroethene	40		5.0	UG/L	8260	08/10/2008 18:31	ND
Toluene	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Total Xylenes	ND		15	UG/L	8260	08/10/2008 18:31	ND
trans-1,2-Dichloroethene	1.6	J	5.0	UG/L	8260	08/10/2008 18:31	ND
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Trichloroethene	55		5.0	UG/L	8260	08/10/2008 18:31	ND
Trichlorofluoromethane	ND		5.0	UG/L	8260	08/10/2008 18:31	ND
Vinyl chloride	4.8	J	5.0	UG/L	8260	08/10/2008 18:31	ND

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Sample ID: MW-4
Lab Sample ID: A8921205
Date Collected: 07/30/2008
Time Collected: 11:00

Date Received: 07/31/2008
Project No: NY9A8463
Client No: 011196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
1,1-Dichloroethane	1.1	J	5.0	UG/L	8260	08/10/2008 17:46	ND
1,1-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
1,2-Dibromoethane	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
1,2-Dichloroethane	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
1,2-Dichloropropane	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
2-Butanone	ND		25	UG/L	8260	08/10/2008 17:46	ND
2-Hexanone	ND		25	UG/L	8260	08/10/2008 17:46	ND
4-Methyl-2-pentanone	ND		25	UG/L	8260	08/10/2008 17:46	ND
Acetone	ND		25	UG/L	8260	08/10/2008 17:46	ND
Benzene	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Bromodichloromethane	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Bromoform	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Bromomethane	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Carbon Disulfide	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Carbon Tetrachloride	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Chlorobenzene	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Chloroethane	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Chloroform	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Chloromethane	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
cis-1,2-Dichloroethene	4.6	J	5.0	UG/L	8260	08/10/2008 17:46	ND
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Cyclohexane	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Dibromochloromethane	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Dichlorodifluoromethane	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Ethylbenzene	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Isopropylbenzene	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Methyl acetate	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Methylcyclohexane	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Methylene chloride	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Styrene	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Tetrachloroethene	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Toluene	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Total Xylenes	ND		15	UG/L	8260	08/10/2008 17:46	ND
trans-1,2-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Trichloroethene	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Trichlorofluoromethane	ND		5.0	UG/L	8260	08/10/2008 17:46	ND
Vinyl chloride	2.0	J	5.0	UG/L	8260	08/10/2008 17:46	ND

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Sample ID: MW-5
Lab Sample ID: A8921204
Date Collected: 07/30/2008
Time Collected: 10:10

Date Received: 07/31/2008
Project No: NY9A8463
Client No: 011196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
1,1-Dichloroethane	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
1,1-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
1,2-Dibromoethane	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
1,2-Dichloroethane	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
1,2-Dichloropropane	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
2-Butanone	ND		25	UG/L	8260	08/10/2008 17:24	ND
2-Hexanone	ND		25	UG/L	8260	08/10/2008 17:24	ND
4-Methyl-2-pentanone	ND		25	UG/L	8260	08/10/2008 17:24	ND
Acetone	ND		25	UG/L	8260	08/10/2008 17:24	ND
Benzene	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Bromodichloromethane	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Bromoform	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Bromomethane	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Carbon Disulfide	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Carbon Tetrachloride	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Chlorobenzene	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Chloroethane	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Chloroform	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Chloromethane	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
cis-1,2-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Cyclohexane	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Dibromochloromethane	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Dichlorodifluoromethane	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Ethylbenzene	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Isopropylbenzene	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Methyl acetate	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Methylcyclohexane	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Methylene chloride	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Styrene	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Tetrachloroethene	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Toluene	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Total Xylenes	ND		15	UG/L	8260	08/10/2008 17:24	ND
trans-1,2-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Trichloroethene	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Trichlorofluoromethane	ND		5.0	UG/L	8260	08/10/2008 17:24	ND
Vinyl chloride	ND		5.0	UG/L	8260	08/10/2008 17:24	ND

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Sample ID: MW-9
Lab Sample ID: A8921201
Date Collected: 07/30/2008
Time Collected: 08:40

Date Received: 07/31/2008
Project No: NY9A8463
Client No: 011196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
1,1-Dichloroethane	0.88	J	5.0	UG/L	8260	08/10/2008 16:15	ND
1,1-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
1,2-Dibromoethane	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
1,2-Dichloroethane	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
1,2-Dichloropropane	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
2-Butanone	ND		25	UG/L	8260	08/10/2008 16:15	ND
2-Hexanone	ND		25	UG/L	8260	08/10/2008 16:15	ND
4-Methyl-2-pentanone	ND		25	UG/L	8260	08/10/2008 16:15	ND
Acetone	ND		25	UG/L	8260	08/10/2008 16:15	ND
Benzene	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Bromodichloromethane	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Bromoform	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Bromomethane	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Carbon Disulfide	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Carbon Tetrachloride	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Chlorobenzene	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Chloroethane	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Chloroform	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Chloromethane	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
cis-1,2-Dichloroethene	2.5	J	5.0	UG/L	8260	08/10/2008 16:15	ND
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Cyclohexane	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Dibromochloromethane	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Dichlorodifluoromethane	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Ethylbenzene	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Isopropylbenzene	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Methyl acetate	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Methylcyclohexane	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Methylene chloride	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Styrene	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Tetrachloroethene	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Toluene	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Total Xylenes	ND		15	UG/L	8260	08/10/2008 16:15	ND
trans-1,2-Dichloroethene	1.2	J	5.0	UG/L	8260	08/10/2008 16:15	ND
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Trichloroethene	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Trichlorofluoromethane	ND		5.0	UG/L	8260	08/10/2008 16:15	ND
Vinyl chloride	7.8		5.0	UG/L	8260	08/10/2008 16:15	ND

Arcadis, Geraghty & Miller
LMC - Utica, NY

Sample ID: PZ-4
Lab Sample ID: A8921202
Date Collected: 07/30/2008
Time Collected: 09:45

Date Received: 07/31/2008
Project No: NY9A8463
Client No: 011196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	1.7	J	5.0	UG/L	8260	08/10/2008 16:38	ND
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
1,1-Dichloroethane	0.90	J	5.0	UG/L	8260	08/10/2008 16:38	ND
1,1-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
1,2-Dibromoethane	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
1,2-Dichloroethane	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
1,2-Dichloropropane	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
2-Butanone	ND		25	UG/L	8260	08/10/2008 16:38	ND
2-Hexanone	ND		25	UG/L	8260	08/10/2008 16:38	ND
4-Methyl-2-pentanone	ND		25	UG/L	8260	08/10/2008 16:38	ND
Acetone	ND		25	UG/L	8260	08/10/2008 16:38	ND
Benzene	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Bromodichloromethane	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Bromoform	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Bromomethane	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Carbon Disulfide	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Carbon Tetrachloride	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Chlorobenzene	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Chloroethane	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Chloroform	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Chloromethane	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
cis-1,2-Dichloroethene	2.7	J	5.0	UG/L	8260	08/10/2008 16:38	ND
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Cyclohexane	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Dibromochloromethane	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Dichlorodifluoromethane	3.0	J	5.0	UG/L	8260	08/10/2008 16:38	ND
Ethylbenzene	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Isopropylbenzene	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Methyl acetate	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Methylcyclohexane	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Methylene chloride	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Styrene	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Tetrachloroethene	0.80	J	5.0	UG/L	8260	08/10/2008 16:38	ND
Toluene	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Total Xylenes	ND		15	UG/L	8260	08/10/2008 16:38	ND
trans-1,2-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Trichloroethene	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Trichlorofluoromethane	ND		5.0	UG/L	8260	08/10/2008 16:38	ND
Vinyl chloride	ND		5.0	UG/L	8260	08/10/2008 16:38	ND

Sample ID: TRIP BLANK
Lab Sample ID: A8921214
Date Collected: 07/30/2008
Time Collected: 00:00

Date Received: 07/31/2008
Project No: NY9A8463
Client No: 011196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
1,1-Dichloroethane	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
1,1-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
1,2-Dibromoethane	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
1,2-Dichloroethane	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
1,2-Dichloropropane	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
2-Butanone	ND		25	UG/L	8260	08/10/2008 15:52	ND
2-Hexanone	ND		25	UG/L	8260	08/10/2008 15:52	ND
4-Methyl-2-pentanone	ND		25	UG/L	8260	08/10/2008 15:52	ND
Acetone	ND		25	UG/L	8260	08/10/2008 15:52	ND
Benzene	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Bromodichloromethane	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Bromoform	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Bromomethane	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Carbon Disulfide	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Carbon Tetrachloride	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Chlorobenzene	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Chloroethane	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Chloroform	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Chloromethane	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
cis-1,2-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Cyclohexane	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Dibromochloromethane	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Dichlorodifluoromethane	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Ethylbenzene	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Isopropylbenzene	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Methyl acetate	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Methylcyclohexane	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Methylene chloride	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Styrene	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Tetrachloroethene	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Toluene	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Total Xylenes	ND		15	UG/L	8260	08/10/2008 15:52	ND
trans-1,2-Dichloroethene	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Trichloroethene	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Trichlorofluoromethane	ND		5.0	UG/L	8260	08/10/2008 15:52	ND
Vinyl chloride	ND		5.0	UG/L	8260	08/10/2008 15:52	ND

Chronology and QC Summary Package

Client ID		VBLK94							
Job No	Lab ID	A08-9212	A8B2040602						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	ND	25	NA		NA		NA	
Benzene	UG/L	ND	5.0	NA		NA		NA	
Bromodichloromethane	UG/L	ND	5.0	NA		NA		NA	
Bromoform	UG/L	ND	5.0	NA		NA		NA	
Bromomethane	UG/L	ND	5.0	NA		NA		NA	
2-Butanone	UG/L	ND	25	NA		NA		NA	
Carbon Disulfide	UG/L	ND	5.0	NA		NA		NA	
Carbon Tetrachloride	UG/L	ND	5.0	NA		NA		NA	
Chlorobenzene	UG/L	ND	5.0	NA		NA		NA	
Chloroethane	UG/L	ND	5.0	NA		NA		NA	
Chloroform	UG/L	ND	5.0	NA		NA		NA	
Chloromethane	UG/L	ND	5.0	NA		NA		NA	
Cyclohexane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dibromoethane	UG/L	ND	5.0	NA		NA		NA	
Dibromochloromethane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dibromo-3-chloropropane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
1,3-Dichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
1,4-Dichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
Dichlorodifluoromethane	UG/L	ND	5.0	NA		NA		NA	
1,1-Dichloroethane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dichloroethane	UG/L	ND	5.0	NA		NA		NA	
1,1-Dichloroethene	UG/L	ND	5.0	NA		NA		NA	
cis-1,2-Dichloroethene	UG/L	ND	5.0	NA		NA		NA	
trans-1,2-Dichloroethene	UG/L	ND	5.0	NA		NA		NA	
1,2-Dichloropropane	UG/L	ND	5.0	NA		NA		NA	
cis-1,3-Dichloropropene	UG/L	ND	5.0	NA		NA		NA	
trans-1,3-Dichloropropene	UG/L	ND	5.0	NA		NA		NA	
Ethylbenzene	UG/L	ND	5.0	NA		NA		NA	
2-Hexanone	UG/L	ND	25	NA		NA		NA	
Isopropylbenzene	UG/L	ND	5.0	NA		NA		NA	
Methyl acetate	UG/L	ND	5.0	NA		NA		NA	
Methylcyclohexane	UG/L	ND	5.0	NA		NA		NA	
Methylene chloride	UG/L	ND	5.0	NA		NA		NA	
4-Methyl-2-pentanone	UG/L	ND	25	NA		NA		NA	
Methyl-t-Butyl Ether (MTBE)	UG/L	ND	5.0	NA		NA		NA	
Styrene	UG/L	ND	5.0	NA		NA		NA	
1,1,2,2-Tetrachloroethane	UG/L	ND	5.0	NA		NA		NA	
Tetrachloroethene	UG/L	ND	5.0	NA		NA		NA	
Toluene	UG/L	ND	5.0	NA		NA		NA	
1,2,4-Trichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
1,1,1-Trichloroethane	UG/L	ND	5.0	NA		NA		NA	
1,1,2-Trichloroethane	UG/L	ND	5.0	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		VBLK94							
Job No	Lab ID	A08-9212	A8B2040602						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	5.0	NA		NA		NA	
Trichlorofluoromethane	UG/L	ND	5.0	NA		NA		NA	
Trichloroethene	UG/L	ND	5.0	NA		NA		NA	
Vinyl chloride	UG/L	ND	5.0	NA		NA		NA	
Total Xylenes	UG/L	ND	15	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	94	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	95	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	92	50-200	NA		NA		NA	
Toluene-D8	%	102	71-126	NA		NA		NA	
p-Bromofluorobenzene	%	96	73-120	NA		NA		NA	
1,2-Dichloroethane-D4	%	94	66-137	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A08-9212	A8B1981402						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Lead - Total	MG/L	ND	0.0050	NA		NA		NA	
Silver - Total	MG/L	ND	0.0030	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		Method Blank							
Job No	Lab ID	A08-9212	A8B1980802						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Lead - Soluble	MG/L	ND	0.0050	NA		NA		NA	
Silver - Soluble	MG/L	ND	0.0030	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID Job No Lab ID Sample Date		Method Blank A08-9212 A8B1979902		Method Blank A08-9212 A8B1981902					
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Hexavalent Chromium - Soluble	MG/L	ND	0.010	NA		NA		NA	
Cyanide - Soluble	MG/L	NA		ND	0.010	NA		NA	
Hexavalent Chromium - Total	UG/L	ND	10	NA		NA		NA	
Cyanide - Total	UG/L	NA		ND	10	NA		NA	

NA = Not Applicable ND = Not Detected

Client Sample ID: VBLK94 MSB94
Lab Sample ID: A8B2040602 A8B2040601

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
METHOD 8260 - TCL VOLATILE ORGANICS					
1,1-Dichloroethene	UG/L	20.3	25.0	81	73-143
Trichloroethene	UG/L	20.0	25.0	80	77-123
Benzene	UG/L	20.8	25.0	84	76-121
Toluene	UG/L	20.6	25.0	82	69-120
Chlorobenzene	UG/L	20.6	25.0	82	73-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LFB
Lab Sample ID: A8B1980802 A8B1980801

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
SOLUBLE METALS ANALYSIS					
SOLUBLE LEAD	MG/L	0.202	0.200	101	80-120
SOLUBLE SILVER	MG/L	0.0527	0.0500	105	80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LFB
Lab Sample ID: A8B1981402 A8B1981401

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
TOTAL METALS ANALYSIS					
TOTAL LEAD	MG/L	0.211	0.200	105	80-120
TOTAL SILVER	MG/L	0.0535	0.0500	106	80-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: FB-073008 FB-073008
Lab Sample ID: A8921206 A8921206MS

Analyte	Units of Measure	Concentration Sample	Concentration Matrix Spike	Spike Amount	% Recovery MS	QC LIMITS
WET CHEMISTRY ANALYSIS						
HEXAVALENT CHROMIUM	UG/L	0	47.00	50.00	94	75-120

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A8B1979902 A8B1979901

Analyte	Units of Measure	Concentration Blank Spike	Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
DISSOLVED HEXAVALENT CHROMIUM	MG/L	0.0520	0.0500	104	85-115
HEXAVALENT CHROMIUM	UG/L	52.00	50.00	104	85-115

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

Client Sample ID: Method Blank LCS
Lab Sample ID: A8B1981902 A8B1981901

Analyte	Units of Measure	Concentration Blank Spike	Concentration Spike Amount	% Recovery Blank Spike	QC LIMITS
WET CHEMISTRY ANALYSIS					
METHOD 335.4 - DISSOLVED CYANIDE	MG/L	0.227	0.250	91	90-110
TOTAL CYANIDE	UG/L	227.3	250.0	91	90-110

* Indicates Result is outside QC Limits
NC = Not Calculated ND = Not Detected

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	DUP-073008 A08-9212 A8921211	FB-073008 A08-9212 A8921206	MW-1 A08-9212 A8921210	MW-10 A08-9212 A8921203	MW-13BR A08-9212 A8921213
Sample Date	07/30/2008 00:00	07/30/2008 11:10	07/30/2008 13:26	07/30/2008 09:50	07/30/2008 16:35
Received Date	07/31/2008 07:50	07/31/2008 07:50	07/31/2008 07:50	07/31/2008 07:50	07/31/2008 07:50
Extraction Date					
Analysis Date	08/10/2008 20:02	08/10/2008 18:09	08/10/2008 19:39	08/10/2008 17:01	08/10/2008 20:48
Extraction HT Met?	-	-	-	-	-
Analytical HT Met?	YES	YES	YES	YES	YES
Sample Matrix	WATER	WATER	WATER	WATER	WATER
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample wt/vol	0.005 LITERS	0.005 LITERS	0.005 LITERS	0.005 LITERS	0.005 LITERS
% Dry					

NA = Not Applicable

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	MW-13S A08-9212 A8921208	MW-13T A08-9212 A8921209	MW-2 A08-9212 A8921212	MW-3 A08-9212 A8921207	MW-4 A08-9212 A8921205
Sample Date	07/30/2008 12:05	07/30/2008 12:20	07/30/2008 16:25	07/30/2008 11:30	07/30/2008 11:00
Received Date	07/31/2008 07:50	07/31/2008 07:50	07/31/2008 07:50	07/31/2008 07:50	07/31/2008 07:50
Extraction Date					
Analysis Date	08/10/2008 18:54	08/10/2008 19:17	08/10/2008 20:25	08/10/2008 18:31	08/10/2008 17:46
Extraction HT Met?	-	-	-	-	-
Analytical HT Met?	YES	YES	YES	YES	YES
Sample Matrix	WATER	WATER	WATER	WATER	WATER
Dilution Factor	1.0	1.0	1.0	1.0	1.0
Sample wt/vol	0.005 LITERS	0.005 LITERS	0.005 LITERS	0.005 LITERS	0.005 LITERS
% Dry					

NA = Not Applicable

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	MW-5 A08-9212 A8921204	MW-9 A08-9212 A8921201	PZ-4 A08-9212 A8921202		
Sample Date	07/30/2008 10:10	07/30/2008 08:40	07/30/2008 09:45		
Received Date	07/31/2008 07:50	07/31/2008 07:50	07/31/2008 07:50		
Extraction Date					
Analysis Date	08/10/2008 17:24	08/10/2008 16:15	08/10/2008 16:38		
Extraction HT Met?	-	-	-		
Analytical HT Met?	YES	YES	YES		
Sample Matrix	WATER	WATER	WATER		
Dilution Factor	1.0	1.0	1.0		
Sample wt/vol	0.005 LITERS	0.005 LITERS	0.005 LITERS		
% Dry					

NA = Not Applicable

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	TRIP BLANK A08-9212 A8921214				
Sample Date	07/30/2008 00:00				
Received Date	07/31/2008 07:50				
Extraction Date					
Analysis Date	08/10/2008 15:52				
Extraction HT Met?	-				
Analytical HT Met?	YES				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

METHOD 8260 - TCL VOLATILE ORGANICS

Client Sample ID Job No & Lab Sample ID	VBLK94 A08-9212 A8B2040602				
Sample Date					
Received Date					
Extraction Date					
Analysis Date	08/10/2008 15:25				
Extraction HT Met?	-				
Analytical HT Met?	-				
Sample Matrix	WATER				
Dilution Factor	1.0				
Sample wt/vol	0.005 LITERS				
% Dry					

NA = Not Applicable

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A8921206	FB-073008	RECNY	Silver - Total	6010	1.0	0.05 L	07/30/08 11:10	07/31 07:50	NA		08/01 21:20	TWS	Y	WATER
		RECNY	Lead - Total	6010	1.0	0.05 L	07/30/08 11:10	07/31 07:50	NA		08/01 21:20	TWS	Y	WATER
A8921210	MW-1	RECNY	Silver - Total	6010	1.0	0.05 L	07/30/08 13:26	07/31 07:50	NA		08/01 23:00	TWS	Y	WATER
		RECNY	Lead - Soluble	6010	1.0	0.05 L	07/30/08 13:26	07/31 07:50	NA		08/01 23:12	AH	Y	WATER
		RECNY	Lead - Total	6010	1.0	0.05 L	07/30/08 13:26	07/31 07:50	NA		08/01 23:00	TWS	Y	WATER
		RECNY	Silver - Soluble	6010	1.0	0.05 L	07/30/08 13:26	07/31 07:50	NA		08/01 23:12	AH	Y	WATER
A8921203	MW-10	RECNY	Silver - Total	6010	1.0	0.05 L	07/30/08 09:50	07/31 07:50	NA		08/01 21:14	TWS	Y	WATER
		RECNY	Lead - Soluble	6010	1.0	0.05 L	07/30/08 09:50	07/31 07:50	NA		08/01 23:07	AH	Y	WATER
		RECNY	Lead - Total	6010	1.0	0.05 L	07/30/08 09:50	07/31 07:50	NA		08/01 21:14	TWS	Y	WATER
		RECNY	Silver - Soluble	6010	1.0	0.05 L	07/30/08 09:50	07/31 07:50	NA		08/01 23:07	AH	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A8B1980802	Method Blank	RECNY	Lead - Soluble	6010	1.0	0.05 L	-	-	NA		08/01 20:38	AH	Y	WATER
		RECNY	Silver - Soluble	6010	1.0	0.05 L	-	-	NA		08/01 20:38	AH	Y	WATER
A8B1981402	Method Blank	RECNY	Silver - Total	6010	1.0	0.05 L	-	-	NA		08/01 19:36	TWS	Y	WATER
		RECNY	Lead - Total	6010	1.0	0.05 L	-	-	NA		08/01 19:36	TWS	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A8921206	FB-073008	RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	07/30/08 11:10	07/31 07:50	NA		07/31 09:15	ERK	Y	WATER
		RECNY	Cyanide - Total	9012A	1.0			07/30/08 11:10	07/31 07:50	NA		08/01 08:05	JM	Y	WATER
A8921210	MW-1	RECNY	Cyanide - Soluble	335.4	1.0			07/30/08 13:26	07/31 07:50	NA		08/01 08:05	JM	Y	WATER
		RECNY	Hexavalent Chromium - Soluble	7196A	1.0	0.1	L	07/30/08 13:26	07/31 07:50	NA		07/31 09:15	ERK	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	07/30/08 13:26	07/31 07:50	NA		07/31 09:15	ERK	Y	WATER
		RECNY	Cyanide - Total	9012A	1.0			07/30/08 13:26	07/31 07:50	NA		08/01 08:05	JM	Y	WATER
A8921203	MW-10	RECNY	Cyanide - Soluble	335.4	1.0			07/30/08 09:50	07/31 07:50	NA		08/01 08:05	JM	Y	WATER
		RECNY	Hexavalent Chromium - Soluble	7196A	1.0	0.1	L	07/30/08 09:50	07/31 07:50	NA		07/31 09:15	ERK	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	07/30/08 09:50	07/31 07:50	NA		07/31 09:15	ERK	Y	WATER
		RECNY	Cyanide - Total	9012A	1.0			07/30/08 09:50	07/31 07:50	NA		08/01 08:05	JM	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Lab ID	Sample ID	Lab	Analyte	Method	DF	Sample wt/vol	g/L	Sample Date	Receive Date	TCLP Date	TH	Analysis Date	ANL INI	AH	Matrix
A8B1979902	Method Blank	RECNY	Hexavalent Chromium - Soluble	7196A	1.0	0.1	L	-	-	NA		07/31 09:15	ERK	Y	WATER
		RECNY	Hexavalent Chromium - Total	7196A	1.0	0.1	L	-	-	NA		07/31 09:15	ERK	Y	WATER
A8B1981902	Method Blank	RECNY	Cyanide - Soluble	335.4	1.0			-	-	NA		08/01 08:05	JM	Y	WATER
		RECNY	Cyanide - Total	9012A	1.0			-	-	NA		08/01 08:05	JM	Y	WATER

AH = Analysis Holding Time Met
TH = TCLP Holding Time Met
NA = Not Applicable

ANL INI = Analyst Initials
DF = Dilution Factor

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

CUSTODY SEAL #s
193833
194549

TAL-4142 (0907)

Client	Project Manager	Date	Chain of Custody Number
Arcadis	Jeff Bonstcel / Chris Motta	7/30/08	391006
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 2
1 International Drive	(201) 684-1413	(716) 504-9844	
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Mahwah / NJ	Chris Laprus	Candy Fox	
Project Name and Location (State)	**Carrier/Waybill Number**		
Lockheed Martin Utica, NY			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260 - TCL VO	Total Silver	Total Lead	Total Cyanide	Total Cr+6	Soluble Silver	Soluble Lead	Soluble Cyanide	Soluble Cr+6	Special Instructions/ Conditions of Receipt
Trip Blank	7/30/08	—		1						1			X									
MW-9	7/30/08	0840		3						3			X									
PZ-4		0945		3						3			X									
MW-10		0950		10			2		3	3	2		X	X	X	X	X	X	X	X	X	
MW-5		1010		3						3			X									Unable to achieve Ø headspace Reaction w/preservatn
MW-4		1100		3						3			X									
FB-073008		1110		5			1		1	2	1		X	X	X	X	X					
MW-3		1130		3						3			X									
MW-13S		1205		3						3			X									
MW-13T		1220		3						3			X									
MW-1		1326		10			2		3	3	2		X	X	X	X	X	X	X	X	X	
DUP-073008	↓	—		3						3			X									

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	7-30-08		1. Received By	7/31/08	0710
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5.4°C

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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4142 (0907)

Client	Project Manager	Date	Chain of Custody Number
Arcadis	Jeff Bonsteel / Chris Motta	7/30/08	391005
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
1 International Drive	(201) 684-1413	(716) 504-9844	
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Mahwah / NJ	Chris Laprus	Candy Fox	
Project Name and Location (State)	**Carrier/Waybill Number**		
Lockheed Martin			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260-TCL VO	Total Silver	Total Lead	Total Cyanide	Total Cr+6	Soluble Silver	Soluble Lead	Soluble Cyanide	Soluble Cr+6
MW-2	7/30/08	1625		3						3			X								
MW-13BR	↓	1635		3						3			X								

Special Instructions/ Conditions of Receipt: Total Lead & Total Silver to be analyzed from same sample container

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	7-30-08		1. Received By	7/31/08	0750
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5.4°C

47/47

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
ARCADIS	Jeff Bonstee1	08/01/08	087013
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
465 New Karner Rd.	518 452 7826 / 518 452 4398		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	**Analysis (Attach list if more space is needed)**
Albany / NY / 12205		Candace Fox	
Project Name and Location (State)	**Carrier/Waybill Number**		
LMC-Utica, Utica, NY			
Contract/Purchase Order/Quote No.			
NJ000630.0001.0002A			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TCL VOAs	Special Instructions/ Conditions of Receipt
IB-5 (1.3-1.7)	07/29/08	2000				X	1						1	
IB-5 (6-8)	07/29/08	2030				X	1						1	
IB-6 (2-2.4)	07/30/08	1800				X	1						1	
IB-6 (8-8.9)	07/30/08	2000				X	1						1	
IB-7 (4-4.4)	07/31/08	2130				X	1						1	
IB-7 (8-8.9)	07/31/08	2135				X	1						1	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For Std. Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other Std.

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.		08/01/08	1200		8/4/08	0930
2.						
3.						

Comments

16.5°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

20/20

ANALYTICAL REPORT
Revised

Job#: A08-9368

Project#: NY9A8463
Site Name: ARCADIS
Task: LMC - Utica, NY

Jeff Bonsteel
465 New Karner Road
Albany, NY 12205

TestAmerica Laboratories Inc.

Candace L. Fox
Project Manager

02/23/2009

METHODS SUMMARY

Job#: A08-9368

Project#: NY9A8463
Site Name: ARCADIS

PARAMETER	ANALYTICAL METHOD
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A8936801	IB-5 (1.3-1.7)	SOIL	07/29/2008	20:00	08/04/2008	09:30
A8936802	IB-5 (6-8)	SOIL	07/29/2008	20:30	08/04/2008	09:30
A8936803	IB-6 (2-2.4)	SOIL	07/30/2008	18:00	08/04/2008	09:30
A8936804	IB-6 (8-8.9)	SOIL	07/30/2008	20:00	08/04/2008	09:30
A8936805	IB-7 (4-4.4)	SOIL	07/31/2008	21:30	08/04/2008	09:30
A8936806	IB-7 (8-8.9)	SOIL	07/31/2008	21:35	08/04/2008	09:30

SDG NARRATIVE

Job#: A08-9368

Project#: NY9A8463
Site Name: ARCADIS

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-9368
Sample Cooler(s) were received at the following temperature(s); 16.2 °C
All samples were received in good condition.

Revision Comments

GC/MS Volatile Data (Revision)

Linear regression was used to calibrate all analytes that were greater than 15% RSD in the initial calibration standard curve A8I0000572-1.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-5 (1.3-1.7)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936801

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3602.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 08/04/2008

% Moisture: not dec. 8 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	42	B
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	27	U
75-15-0	Carbon Disulfide	10	
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	27	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	11	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-5 (1.3-1.7)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936801

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3602.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 08/04/2008

% Moisture: not dec. 8 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	27	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	16	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-5 (6-8)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936802

Sample wt/vol: 5.35 (g/mL) G Lab File ID: F3603.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 08/04/2008

% Moisture: not dec. 13 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	15	BJ
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	27	U
75-15-0	Carbon Disulfide	8	
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	27	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	10	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-5 (6-8)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936802

Sample wt/vol: 5.35 (g/mL) G Lab File ID: F3603.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 08/04/2008

% Moisture: not dec. 13 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	27	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	16	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-6 (2-2.4)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936803

Sample wt/vol: 5.23 (g/mL) G Lab File ID: F3604.RR

Level: (low/med) LOW Date Samp/Recv: 07/30/2008 08/04/2008

% Moisture: not dec. 15 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	81	B
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	6	U
78-93-3	2-Butanone	28	U
75-15-0	Carbon Disulfide	7	
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
106-93-4	1,2-Dibromoethane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	28	U
98-82-8	Isopropylbenzene	6	U
79-20-9	Methyl acetate	6	U
108-87-2	Methylcyclohexane	6	U
75-09-2	Methylene chloride	9	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-6 (2-2.4)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936803

Sample wt/vol: 5.23 (g/mL) G Lab File ID: F3604.RR

Level: (low/med) LOW Date Samp/Recv: 07/30/2008 08/04/2008

% Moisture: not dec. 15 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	28	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
79-01-6	Trichloroethene	6	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	17	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-6 (8-8.9)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936804

Sample wt/vol: 5.26 (g/mL) G Lab File ID: F3605.RR

Level: (low/med) LOW Date Samp/Recv: 07/30/2008 08/04/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	310	B
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	7	
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	4	J
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	4	J

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-6 (8-8.9)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936804

Sample wt/vol: 5.26 (g/mL) G Lab File ID: F3605.RR

Level: (low/med) LOW Date Samp/Recv: 07/30/2008 08/04/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	26	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	16	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-7 (4-4.4)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936805

Sample wt/vol: 5.10 (g/mL) G Lab File ID: F3606.RR

Level: (low/med) LOW Date Samp/Recv: 07/31/2008 08/04/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	18	BJ
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	27	U
75-15-0	Carbon Disulfide	8	
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	27	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	11	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-7 (4-4.4)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936805

Sample wt/vol: 5.10 (g/mL) G Lab File ID: F3606.RR

Level: (low/med) LOW Date Samp/Recv: 07/31/2008 08/04/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	27	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	16	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-7 (8-8.9)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936806

Sample wt/vol: 5.07 (g/mL) G Lab File ID: F3607.RR

Level: (low/med) LOW Date Samp/Recv: 07/31/2008 08/04/2008

% Moisture: not dec. 7 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	17	BJ
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	9	
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	13	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-7 (8-8.9)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936806

Sample wt/vol: 5.07 (g/mL) G Lab File ID: F3607.RR

Level: (low/med) LOW Date Samp/Recv: 07/31/2008 08/04/2008

% Moisture: not dec. 7 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	26	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	16	U

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Level (low/med): LOW

	Client Sample ID	Lab Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#						TOT OUT
1	IB-5 (1.3-1.7)	A8936801	109		102		110							0
2	IB-5 (6-8)	A8936802	106		101		109							0
3	IB-6 (2-2.4)	A8936803	108		104		110							0
4	IB-6 (8-8.9)	A8936804	107		104		111							0
5	IB-7 (4-4.4)	A8936805	108		103		111							0
6	IB-7 (8-8.9)	A8936806	110		104		110							0
7	MSB75	A8B2012701	116		107		115							0
8	VBLK75	A8B2012702	114		102		116							0

			QC LIMITS
BFB	=	p-Bromofluorobenzene	(72-126)
DCE	=	1,2-Dichloroethane-D4	(61-136)
TOL	=	Toluene-D8	(71-125)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B2012702

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: VBLK75 Level: (low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	MSB CONCENTRATION UG/KG	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	58.0	116	65 - 146
Trichloroethene	50.0	51.4	103	74 - 127
Benzene	50.0	51.9	104	74 - 127
Toluene	50.0	49.9	100	74 - 123
Chlorobenzene	50.0	50.8	102	76 - 124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK75

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F3586.RR Lab Sample ID: A8B2012702

Date Analyzed: 08/05/2008 Time Analyzed: 20:33

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	IB-5 (1.3-1.7)	A8936801	F3602.RR	03:26
2	IB-5 (6-8)	A8936802	F3603.RR	03:52
3	IB-6 (2-2.4)	A8936803	F3604.RR	04:18
4	IB-6 (8-8.9)	A8936804	F3605.RR	04:43
5	IB-7 (4-4.4)	A8936805	F3606.RR	05:09
6	IB-7 (8-8.9)	A8936806	F3607.RR	05:34
7	MSB75	A8B2012701	F3583.RR	19:03

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK75

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B2012702

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3586.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	5	J
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: VBLK75

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B2012702

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3586.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0001939

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): F3582.RR Date Analyzed: 08/05/2008

Instrument ID: HP5973F Time Analyzed: 18:37

GC Column(1): ZB-624 ID: 0.200(mm) Heated Purge: (Y/N) Y

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		341330		6.99		325921		9.44		678996		4.38	
	UPPER LIMIT		682660		7.49		651842		9.94		1357992		4.88	
	LOWER LIMIT		170665		6.49		162961		8.94		339498		3.88	
	CLIENT SAMPLE	Lab Sample ID												
1	IB-5 (1.3-1.7)	A8936801	300463		6.99		282467		9.44		601978		4.38	
2	IB-5 (6-8)	A8936802	299353		6.99		277206		9.44		600520		4.38	
3	IB-6 (2-2.4)	A8936803	295097		6.99		274081		9.44		585302		4.38	
4	IB-6 (8-8.9)	A8936804	278813		6.99		243622		9.44		570534		4.38	
5	IB-7 (4-4.4)	A8936805	292450		6.99		273070		9.44		588298		4.38	
6	IB-7 (8-8.9)	A8936806	288191		6.99		269598		9.44		581822		4.38	
7	MSB75	A8B2012701	333875		6.99		322501		9.44		670563		4.38	
8	VBLK75	A8B2012702	315358		6.99		295177		9.44		634842		4.38	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

8260 Volatiles

QC Summary

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Level (low/med): LOW

	Client Sample ID	Lab Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#						TOT OUT
1	IB-5 (1.3-1.7)	A8936801	109		102		110							0
2	IB-5 (6-8)	A8936802	106		101		109							0
3	IB-6 (2-2.4)	A8936803	108		104		110							0
4	IB-6 (8-8.9)	A8936804	107		104		111							0
5	IB-7 (4-4.4)	A8936805	108		103		111							0
6	IB-7 (8-8.9)	A8936806	110		104		110							0
7	MSB75	A8B2012701	116		107		115							0
8	VBLK75	A8B2012702	114		102		116							0

			QC LIMITS
BFB	=	p-Bromofluorobenzene	(72-126)
DCE	=	1,2-Dichloroethane-D4	(61-136)
TOL	=	Toluene-D8	(71-125)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

METHOD 8260 - TCL VOLATILE ORGANICS
SOIL MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B2012702

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: VBLK75 Level: (low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	MSB CONCENTRATION UG/KG	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	50.0	58.0	116	65 - 146
Trichloroethene	50.0	51.4	103	74 - 127
Benzene	50.0	51.9	104	74 - 127
Toluene	50.0	49.9	100	74 - 123
Chlorobenzene	50.0	50.8	102	76 - 124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.
VBLK75

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F3586.RR Lab Sample ID: A8B2012702

Date Analyzed: 08/05/2008 Time Analyzed: 20:33

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5973F

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	IB-5 (1.3-1.7)	A8936801	F3602.RR	03:26
2	IB-5 (6-8)	A8936802	F3603.RR	03:52
3	IB-6 (2-2.4)	A8936803	F3604.RR	04:18
4	IB-6 (8-8.9)	A8936804	F3605.RR	04:43
5	IB-7 (4-4.4)	A8936805	F3606.RR	05:09
6	IB-7 (8-8.9)	A8936806	F3607.RR	05:34
7	MSB75	A8B2012701	F3583.RR	19:03

Comments: _____

ARCADIS G & M INC
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0002238

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F3506 BFB Injection Date: 08/01/2008

Instrument ID: HP5973F BFB Injection Time: 19:22

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N): Y

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	18.7		
75	30.0 - 60.0% of mass 95	47.0		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	6.5		
173	Less than 2.0% of mass 174	0.2	(0.3)	1
174	50 - 120 % of mass 95	78.1		
175	5.0 - 9.0% of mass 174	6.2	(7.9)	1
176	95.0 - 101.0% of mass 174	77.1	(98.7)	1
177	5.0 - 9.0% of mass 176	4.9	(6.3)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD005	A8I0000572-1	F3508.RR	08/01/2008	20:10
2	VSTD020	A8I0000572-1	F3509.RR	08/01/2008	20:36
3	VSTD050	A8I0000572-1	F3510.RR	08/01/2008	21:02
4	VSTD100	A8I0000572-1	F3511.RR	08/01/2008	21:27
5	VSTD200	A8I0000572-1	F3512.RR	08/01/2008	21:53

ARCADIS G & M INC
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0002287

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: F3581 BFB Injection Date: 08/05/2008

Instrument ID: HP5973F BFB Injection Time: 18:01

GC Column: ZB-624 ID: 0.20 (mm) Heated Purge: (Y/N): Y

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	20.6		
75	30.0 - 60.0% of mass 95	48.8		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	6.6		
173	Less than 2.0% of mass 174	0.2	(0.3)	1
174	50 - 120 % of mass 95	77.1		
175	5.0 - 9.0% of mass 174	5.4	(7.0)	1
176	95.0 - 101.0% of mass 174	74.1	(96.1)	1
177	5.0 - 9.0% of mass 176	5.0	(6.7)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD050	A8C0001939-1	F3582.RR	08/05/2008	18:37
2	MSB75	A8B2012701	F3583.RR	08/05/2008	19:03
3	VBLK75	A8B2012702	F3586.RR	08/05/2008	20:33
4	IB-5 (1.3-1.7)	A8936801	F3602.RR	08/06/2008	03:26
5	IB-5 (6-8)	A8936802	F3603.RR	08/06/2008	03:52
6	IB-6 (2-2.4)	A8936803	F3604.RR	08/06/2008	04:18
7	IB-6 (8-8.9)	A8936804	F3605.RR	08/06/2008	04:43
8	IB-7 (4-4.4)	A8936805	F3606.RR	08/06/2008	05:09
9	IB-7 (8-8.9)	A8936806	F3607.RR	08/06/2008	05:34

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0001939

Lab Code: RECNY Case No.: ____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): F3582.RR Date Analyzed: 08/05/2008

Instrument ID: HP5973F Time Analyzed: 18:37

GC Column(1): ZB-624 ID: 0.200(mm) Heated Purge: (Y/N) Y

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		341330		6.99		325921		9.44		678996		4.38	
	UPPER LIMIT		682660		7.49		651842		9.94		1357992		4.88	
	LOWER LIMIT		170665		6.49		162961		8.94		339498		3.88	
	CLIENT SAMPLE	Lab Sample ID												
1	IB-5 (1.3-1.7)	A8936801	300463		6.99		282467		9.44		601978		4.38	
2	IB-5 (6-8)	A8936802	299353		6.99		277206		9.44		600520		4.38	
3	IB-6 (2-2.4)	A8936803	295097		6.99		274081		9.44		585302		4.38	
4	IB-6 (8-8.9)	A8936804	278813		6.99		243622		9.44		570534		4.38	
5	IB-7 (4-4.4)	A8936805	292450		6.99		273070		9.44		588298		4.38	
6	IB-7 (8-8.9)	A8936806	288191		6.99		269598		9.44		581822		4.38	
7	MSB75	A8B2012701	333875		6.99		322501		9.44		670563		4.38	
8	VBLK75	A8B2012702	315358		6.99		295177		9.44		634842		4.38	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

Compare Client DL for PROJECT NY9A8463 and TASK 42 to Lab MDL
For METHOD: 8260 PROTOCOL: SW8463
For FRACTIONS: MV

Laboratory: A
oject Manager: CLF

Client Name	Project No	Tsk No	Parameter	TDL Type	TDL Protcl	Method	Test	T M	UM	CDL	TDL	MDL	E X	E T	J	T
Fraction: MV																
cadis G & M Inc	NY9A8463	42	1,1,1-Trichloroethane	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.26495	N		J	
cadis G & M Inc	NY9A8463	42	1,1,1-Trichloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.26495	N		J	
cadis G & M Inc	NY9A8463	42	1,1,1-Trichloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.36333	N		J	
cadis G & M Inc	NY9A8463	42	1,1,2,2-Tetrachloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.21300	N		J	
cadis G & M Inc	NY9A8463	42	1,1,2,2-Tetrachloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.81100	N		J	
cadis G & M Inc	NY9A8463	42	1,1,2-Trichloro-1,2,2-trifluoroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.30900	N		J	
cadis G & M Inc	NY9A8463	42	1,1,2-Trichloro-1,2,2-trifluoroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.53000	N		J	
cadis G & M Inc	NY9A8463	42	1,1,2-Trichloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.23100	N		J	
cadis G & M Inc	NY9A8463	42	1,1,2-Trichloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.25113	N		J	
cadis G & M Inc	NY9A8463	42	1,1-Dichloroethane	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.75000	N		J	
cadis G & M Inc	NY9A8463	42	1,1-Dichloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.75000	N		J	
cadis G & M Inc	NY9A8463	42	1,1-Dichloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.58100	N		J	
cadis G & M Inc	NY9A8463	42	1,1-Dichloroethene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.29324	N		J	
cadis G & M Inc	NY9A8463	42	1,1-Dichloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.29324	N		J	
cadis G & M Inc	NY9A8463	42	1,1-Dichloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.61200	N		J	
cadis G & M Inc	NY9A8463	42	1,2,4-Trichlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.40765	N		J	
cadis G & M Inc	NY9A8463	42	1,2,4-Trichlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.30424	N		J	
cadis G & M Inc	NY9A8463	42	1,2-Dibromo-3-chloropropane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	1.00000	N		J	
cadis G & M Inc	NY9A8463	42	1,2-Dibromo-3-chloropropane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.99600	N		J	
cadis G & M Inc	NY9A8463	42	1,2-Dibromoethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16600	N		J	
cadis G & M Inc	NY9A8463	42	1,2-Dibromoethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.18984	N		J	
cadis G & M Inc	NY9A8463	42	1,2-Dichlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.20300	N		J	
cadis G & M Inc	NY9A8463	42	1,2-Dichlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.75300	N		J	
cadis G & M Inc	NY9A8463	42	1,2-Dichloroethane	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.21400	N		J	
cadis G & M Inc	NY9A8463	42	1,2-Dichloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.21400	N		J	
cadis G & M Inc	NY9A8463	42	1,2-Dichloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.25113	N		J	
cadis G & M Inc	NY9A8463	42	1,2-Dichloropropane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.14400	N		J	
cadis G & M Inc	NY9A8463	42	1,2-Dichloropropane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.25615	N		J	
cadis G & M Inc	NY9A8463	42	1,3-Dichlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16500	N		J	
cadis G & M Inc	NY9A8463	42	1,3-Dichlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.70700	N		J	
cadis G & M Inc	NY9A8463	42	1,4-Dichlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16200	N		J	
cadis G & M Inc	NY9A8463	42	1,4-Dichlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.70000	N		J	
cadis G & M Inc	NY9A8463	42	2-Butanone	CDL	SW8463	8260	CTA01933	W	UG/L	5.0000	5.00000	1.31800	N			
cadis G & M Inc	NY9A8463	42	2-Butanone	EQL	SW8463	8260	ST001242	W	UG/L		5.00000	1.31800	N			
cadis G & M Inc	NY9A8463	42	2-Butanone	EQL	SW8463	8260	ST001793	W	UG/L		5.00000	1.31800	N			
cadis G & M Inc	NY9A8463	42	2-Butanone	EQL	SW8463	8260	ST001794	S	UG/KG		25.00000	6.80300	N		J	

317839

- Exception Types: N - MDL "Not Found" * - TDL=0 or MDL=0 M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL) E - TDL>CDL (TDL Type CDL)

Laboratory: A
oject Manager: CLF

Client Name	Project No	Tsk No	Parameter	TDL Type	Protcl	Method	Test	T M	UM	CDL	TDL	MDL	E X	E T	J	T
cadis G & M Inc	NY9A8463	42	2-Hexanone	EQL	SW8463	8260	ST001793	W	UG/L		5.00000	1.24100	N		J	
cadis G & M Inc	NY9A8463	42	2-Hexanone	EQL	SW8463	8260	ST001794	S	UG/KG		25.00000	6.25000	N		J	
cadis G & M Inc	NY9A8463	42	4-Methyl-2-pentanone	EQL	SW8463	8260	ST001793	W	UG/L		5.00000	0.90900	N		J	
cadis G & M Inc	NY9A8463	42	4-Methyl-2-pentanone	EQL	SW8463	8260	ST001794	S	UG/KG		25.00000	6.25000	N		J	
cadis G & M Inc	NY9A8463	42	Acetone	EQL	SW8463	8260	ST001793	W	UG/L		5.00000	1.34500	N		J	
cadis G & M Inc	NY9A8463	42	Acetone	EQL	SW8463	8260	ST001794	S	UG/KG		25.00000	1.09700	N		J	
cadis G & M Inc	NY9A8463	42	Benzene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.16400	N		J	
cadis G & M Inc	NY9A8463	42	Benzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16400	N		J	
cadis G & M Inc	NY9A8463	42	Benzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.54700	N		J	
cadis G & M Inc	NY9A8463	42	Bromodichloromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.38565	N		J	
cadis G & M Inc	NY9A8463	42	Bromodichloromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.25710	N		J	
cadis G & M Inc	NY9A8463	42	Bromoform	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.25741	N		J	
cadis G & M Inc	NY9A8463	42	Bromoform	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.46139	N		J	
cadis G & M Inc	NY9A8463	42	Bromomethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.28161	N		J	
cadis G & M Inc	NY9A8463	42	Bromomethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.45888	N		J	
cadis G & M Inc	NY9A8463	42	Carbon Disulfide	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.19400	N		J	
cadis G & M Inc	NY9A8463	42	Carbon Disulfide	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.42871	N		J	
cadis G & M Inc	NY9A8463	42	Carbon Tetrachloride	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.26653	N		J	
cadis G & M Inc	NY9A8463	42	Carbon Tetrachloride	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.26653	N		J	
cadis G & M Inc	NY9A8463	42	Carbon Tetrachloride	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.68100	N		J	
cadis G & M Inc	NY9A8463	42	Chlorobenzene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.18300	N		J	
cadis G & M Inc	NY9A8463	42	Chlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.18300	N		J	
cadis G & M Inc	NY9A8463	42	Chlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.51400	N		J	
cadis G & M Inc	NY9A8463	42	Chloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.32373	N		J	
cadis G & M Inc	NY9A8463	42	Chloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.80900	N		J	
cadis G & M Inc	NY9A8463	42	Chloroform	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.33567	N		J	
cadis G & M Inc	NY9A8463	42	Chloroform	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.33567	N		J	
cadis G & M Inc	NY9A8463	42	Chloroform	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.30896	N		J	
cadis G & M Inc	NY9A8463	42	Chloromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.34573	N		J	
cadis G & M Inc	NY9A8463	42	Chloromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.30200	N		J	
cadis G & M Inc	NY9A8463	42	Cyclohexane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.22000	N		J	
cadis G & M Inc	NY9A8463	42	Cyclohexane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.23000	N		J	
cadis G & M Inc	NY9A8463	42	Dibromochloromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.32247	N		J	
cadis G & M Inc	NY9A8463	42	Dibromochloromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.27627	N		J	
cadis G & M Inc	NY9A8463	42	Dichlorodifluoromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.28538	N		J	
cadis G & M Inc	NY9A8463	42	Dichlorodifluoromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.41330	N		J	
cadis G & M Inc	NY9A8463	42	Ethylbenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.18400	N		J	

- Exception Types: N - MDL "Not Found" * - TDL=0 or MDL=0 M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL) E - TDL>CDL (TDL Type CDL)

Laboratory: A
oject Manager: CLF

Client Name	Project No	Tsk No	Parameter	TDL Type	Protcl	Method	Test	T M	UM	CDL	TDL	MDL	E X	E T	J	T
cadis G & M Inc	NY9A8463	42	Ethylbenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.34542	N		J	
cadis G & M Inc	NY9A8463	42	Isopropylbenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.19300	N		J	
cadis G & M Inc	NY9A8463	42	Isopropylbenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.32781	N		J	
cadis G & M Inc	NY9A8463	42	Methyl acetate	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.17100	N		J	
cadis G & M Inc	NY9A8463	42	Methyl acetate	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.99800	N		J	
cadis G & M Inc	NY9A8463	42	Methyl-t-Butyl Ether (MTBE)	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16100	N		J	
cadis G & M Inc	NY9A8463	42	Methyl-t-Butyl Ether (MTBE)	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.49100	N		J	
cadis G & M Inc	NY9A8463	42	Methylcyclohexane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.22100	N		J	
cadis G & M Inc	NY9A8463	42	Methylcyclohexane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.32404	N		J	
cadis G & M Inc	NY9A8463	42	Methylene chloride	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.43845	N		J	
cadis G & M Inc	NY9A8463	42	Methylene chloride	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	2.20000	N		J	
cadis G & M Inc	NY9A8463	42	Styrene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.18500	N		J	
cadis G & M Inc	NY9A8463	42	Styrene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.24955	N		J	
cadis G & M Inc	NY9A8463	42	Tetrachloroethene	CDL	SW8463	8260	CTA01933	W	UG/L	0.5000	1.00000	0.36490	Y	E	J	
cadis G & M Inc	NY9A8463	42	Tetrachloroethene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.36490	N		J	
cadis G & M Inc	NY9A8463	42	Tetrachloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.36490	N		J	
cadis G & M Inc	NY9A8463	42	Tetrachloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.67100	N		J	
cadis G & M Inc	NY9A8463	42	Toluene	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.51000	N		J	
cadis G & M Inc	NY9A8463	42	Toluene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.51000	N		J	
cadis G & M Inc	NY9A8463	42	Toluene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.84800	N		J	
cadis G & M Inc	NY9A8463	42	Total Xylenes	EQL	SW8463	8260	ST001793	W	UG/L		3.00000	0.93000	N		J	
cadis G & M Inc	NY9A8463	42	Total Xylenes	EQL	SW8463	8260	ST001794	S	UG/KG		15.00000	2.93714	N		J	
cadis G & M Inc	NY9A8463	42	Trichloroethene	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.17500	N		J	
cadis G & M Inc	NY9A8463	42	Trichloroethene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.17500	N		J	
cadis G & M Inc	NY9A8463	42	Trichloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.17500	N		J	
cadis G & M Inc	NY9A8463	42	Trichloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.34510	N		J	
cadis G & M Inc	NY9A8463	42	Trichlorofluoromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.15200	N		J	
cadis G & M Inc	NY9A8463	42	Trichlorofluoromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	1.56400	N		J	
cadis G & M Inc	NY9A8463	42	Vinyl chloride	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.24264	N		J	
cadis G & M Inc	NY9A8463	42	Vinyl chloride	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.24264	N		J	
cadis G & M Inc	NY9A8463	42	Vinyl chloride	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.24264	N		J	
cadis G & M Inc	NY9A8463	42	Vinyl chloride	EQL	SW8463	8260	ST001794	S	UG/KG		10.00000	0.20398	N		J	
cadis G & M Inc	NY9A8463	42	cis-1,2-Dichloroethene	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.16200	N		J	
cadis G & M Inc	NY9A8463	42	cis-1,2-Dichloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16200	N		J	
cadis G & M Inc	NY9A8463	42	cis-1,2-Dichloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.24641	N		J	
cadis G & M Inc	NY9A8463	42	cis-1,3-Dichloropropene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.35516	N		J	
cadis G & M Inc	NY9A8463	42	cis-1,3-Dichloropropene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.28538	N		J	

- Exception Types: N - MDL "Not Found" * - TDL=0 or MDL=0 M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL) E - TDL>CDL (TDL Type CDL)

Compare Client DL for PROJECT NY9A8463 and TASK 42 to Lab MDL
For METHOD: 8260 PROTOCOL: SW8463
For FRACTIONS: MV

Laboratory: A
oject Manager: CLF

Client Name	Project No	Tsk No	Parameter	TDL Type	Protcl	Method	Test	T M	UM	CDL	TDL	MDL	E X	E T	J	T
cadis G & M Inc	NY9A8463	42	trans-1,2-Dichloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.12600	N		J	
cadis G & M Inc	NY9A8463	42	trans-1,2-Dichloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.51577	N		J	
cadis G & M Inc	NY9A8463	42	trans-1,3-Dichloropropene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.36836	N		J	
cadis G & M Inc	NY9A8463	42	trans-1,3-Dichloropropene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.64200	N		J	

- Exception Types: N - MDL "Not Found" * - TDL=0 or MDL=0 M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL) E - TDL>CDL (TDL Type COL)

Sample Data

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-5 (1.3-1.7)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936801

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3602.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 08/04/2008

% Moisture: not dec. 8 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	42	B
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	27	U
75-15-0	Carbon Disulfide	10	
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	27	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	11	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-5 (1.3-1.7)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936801

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3602.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 08/04/2008

% Moisture: not dec. 8 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

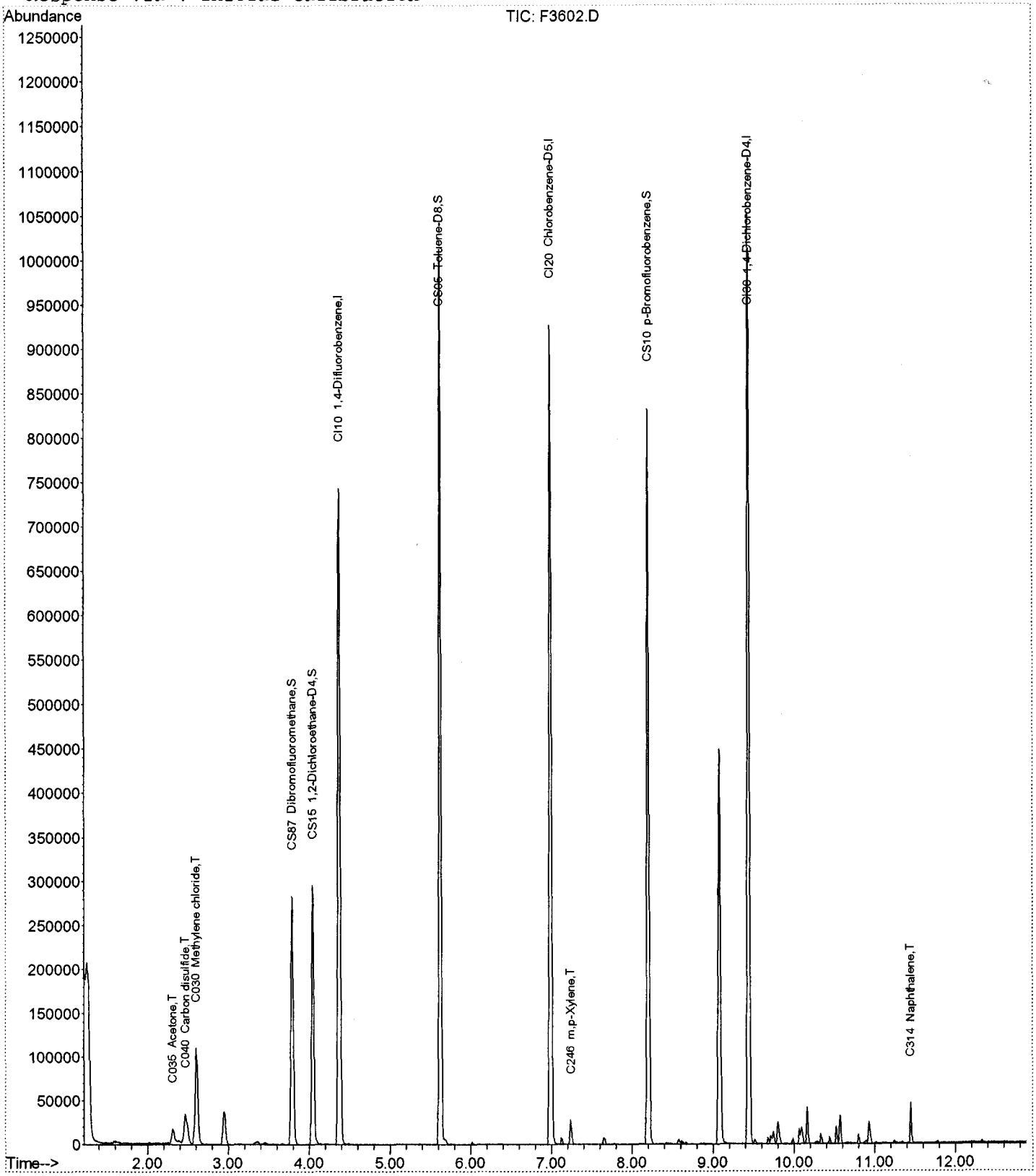
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	27	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	16	U

Data File : H:\GCMS_VOA\TEMP\F3602.D
Acq On : 6 Aug 2008 3:26
Sample : A8936801
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 12:00 2008

Vial: 16
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 11 11:21:10 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3602.D Vial: 16
Acq On : 6 Aug 2008 3:26 Operator: CDC
Sample : A8936801 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 06 08:40:16 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 08:38:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080508\F3582.D (5 Aug 2008 18:37)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	601978	250.00	ng	0.00 88.66%
43) CI20	Chlorobenzene-D5	6.99	82	300463	250.00	ng	0.00 88.03%
63) CI30	1,4-Dichlorobenzene-	9.44	152	282467	250.00	ng	0.00 86.67%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.79	111	172796	257.57	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery =	103.03%		
32) CS15	1,2-Dichloroethane-D	4.05	65	228347	253.95	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery =	101.58%		
44) CS05	Toluene-D8	5.62	98	721052	274.10	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery =	109.64%		
62) CS10	p-Bromofluorobenzene	8.20	174	242936	271.59	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery =	108.64%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	60748	48.95	ng	83
11) C040	Carbon disulfide	2.47	76	75577	47.82	ng	95
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.32	43	35475	193.24	ng	86
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	3.67	42	132	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

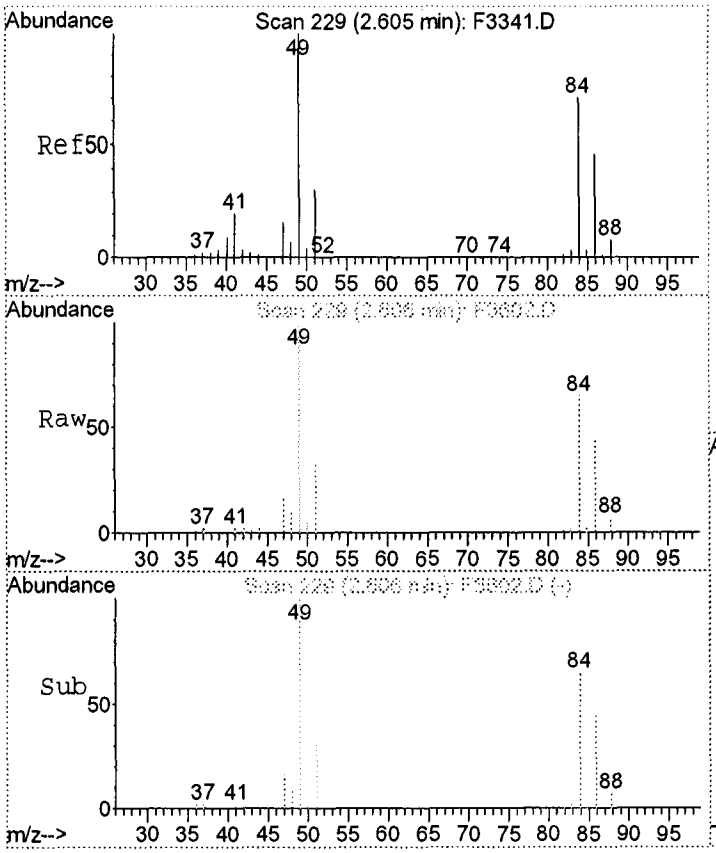
Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3602.D Vial: 16
Acq On : 6 Aug 2008 3:26 Operator: CDC
Sample : A8936801 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 06 08:40:16 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 08:38:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	4.10	78	657	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	3.45	43	3196	N.D.	
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.69	92	2180	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.62	43	3321	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	0.00	43	0	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.13	91	6133	N.D.	
58)	C246	m,p-Xylene	7.25	106	8190	6.85 ng	92
59)	C247	o-Xylene	7.65	106	2209	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	8.04	105	281	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	8.48	91	1986	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.57	105	7366	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	0.00	105	0	N.D. d	
75)	C308	sec-Butylbenzene	0.00	105	0	N.D. d	
76)	C260	1,3-Dichlorobenzene	9.46	146	1769	N.D.	
77)	C309	p-Cymene (4-Isopropy	9.42	119	810	N.D.	
78)	C267	1,4-Dichlorobenzene	9.46	146	1769	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	9.82	91	5447	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	29983	10.58 ng	92
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

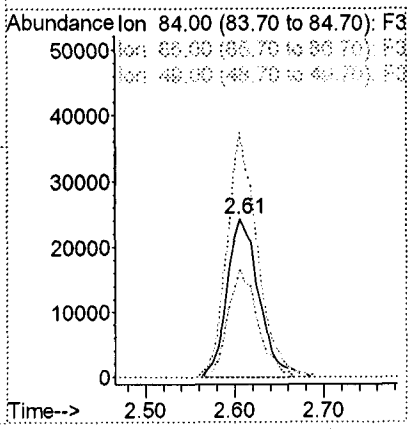
(#) = qualifier out of range (m) = manual integration

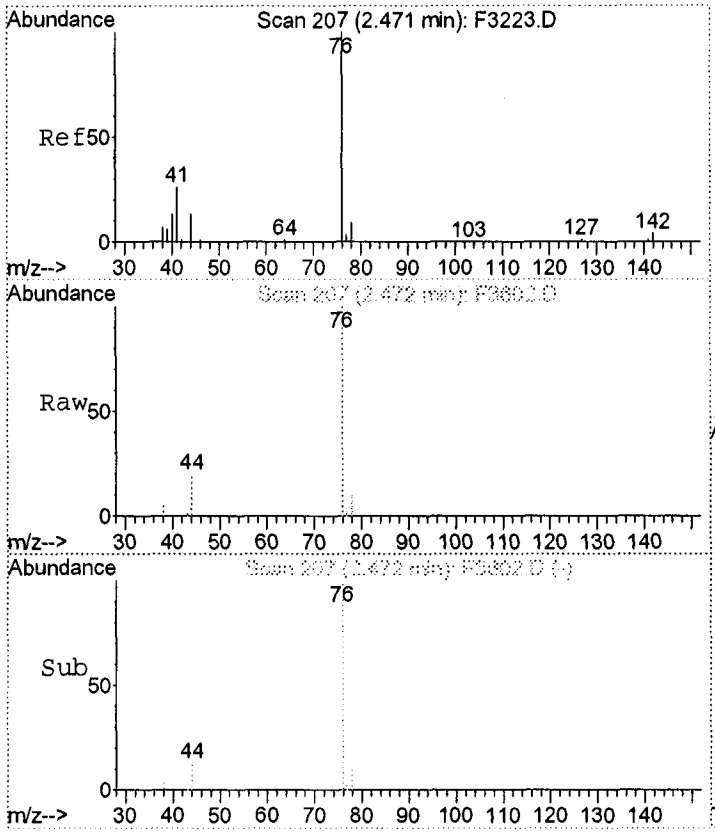


#10
C030 Methylene chloride
Concen: 48.95 ng
RT: 2.61 min Scan# 229
Delta R.T. 0.00 min
Lab File: F3602.D
Acq: 6 Aug 2008 3:26

Tgt Ion: 84 Resp: 60748

Ion	Ratio	Lower	Upper
84	100		
86	68.1	40.0	100.0
49	153.2	95.0	155.0

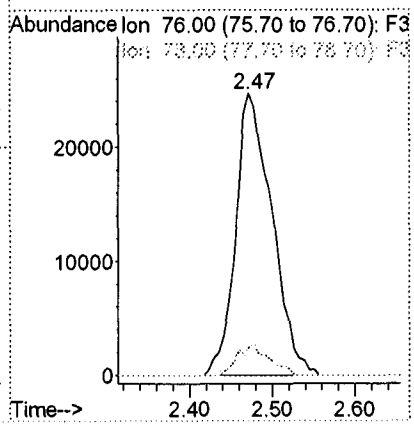


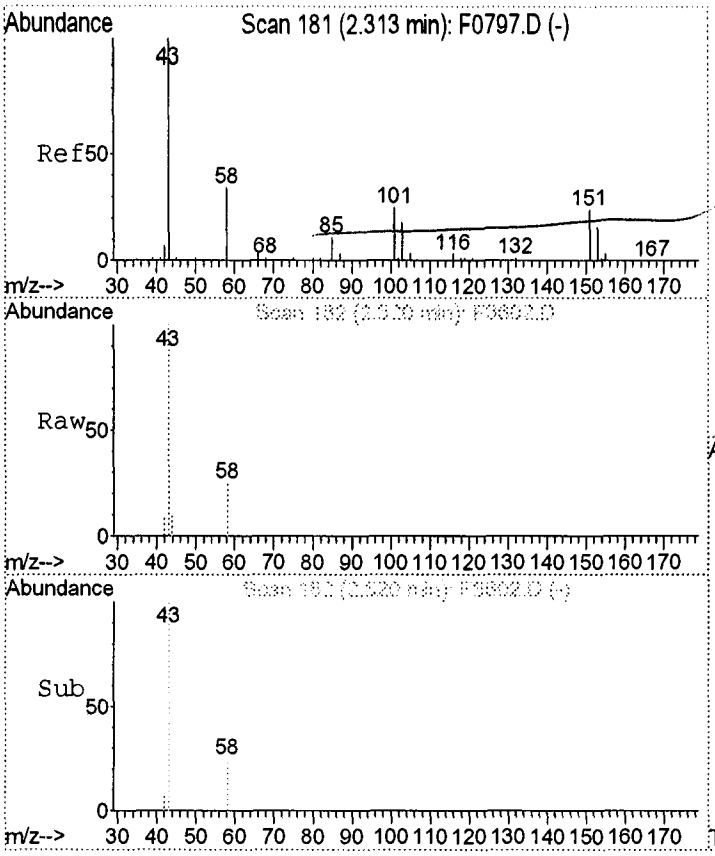


#11
C040 Carbon disulfide
Concen: 47.82 ng
RT: 2.47 min Scan# 207
Delta R.T. 0.00 min
Lab File: F3602.D
Acq: 6 Aug 2008 3:26

Tgt Ion: 76 Resp: 75577

Ion	Ratio	Lower	Upper
76	100		
78	9.8	0.0	38.0

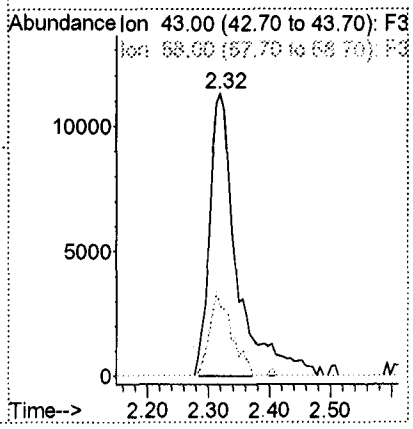


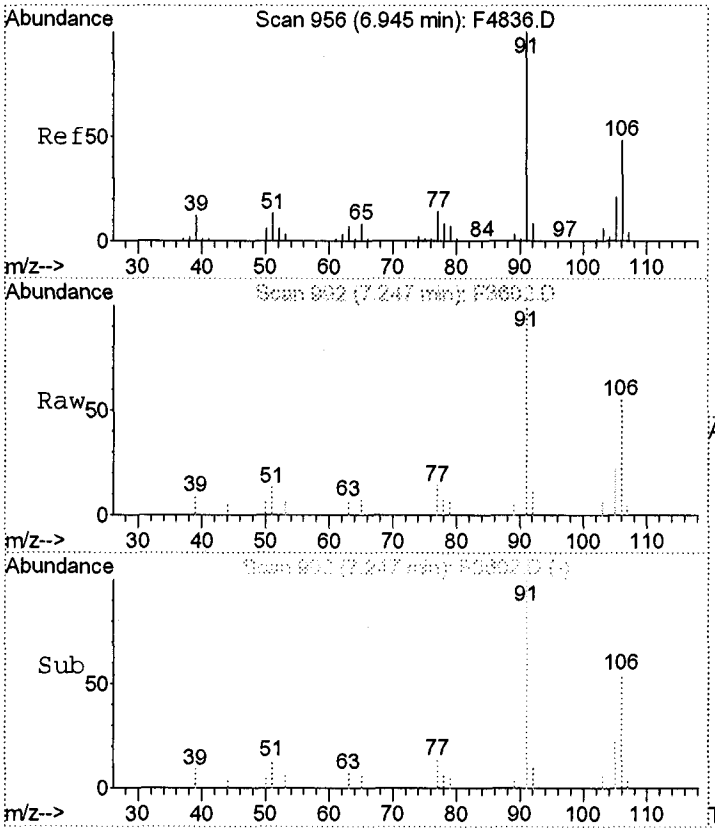


#14
C035 Acetone
Concen: 193.24 ng
RT: 2.32 min Scan# 182
Delta R.T. 0.01 min
Lab File: F3602.D
Acq: 6 Aug 2008 3:26

Tgt Ion: 43 Resp: 35475

Ion	Ratio	Lower	Upper
43	100		
58	24.8	3.0	63.0

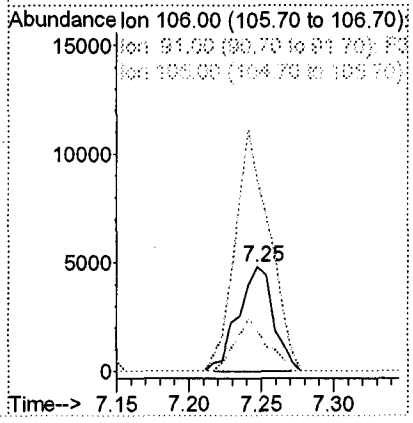


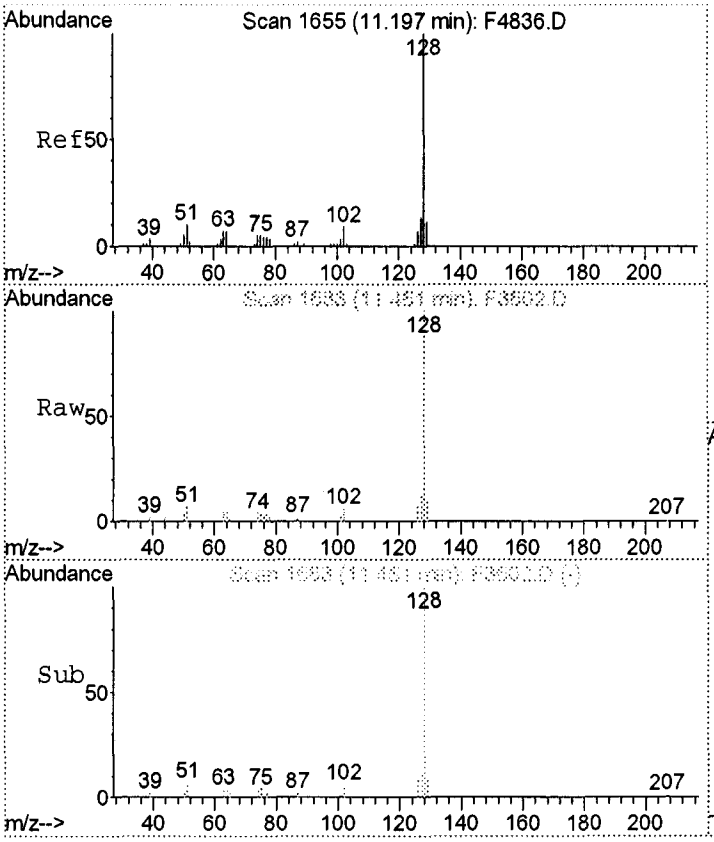


#58
C246 m,p-Xylene
Concen: 6.85 ng
RT: 7.25 min Scan# 992
Delta R.T. 0.00 min
Lab File: F3602.D
Acq: 6 Aug 2008 3:26

Tgt Ion:106 Resp: 8190

Ion	Ratio	Lower	Upper
106	100		
91	182.2	164.6	224.6
105	39.7	12.6	72.6

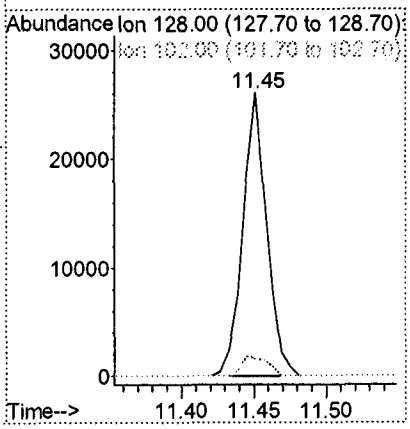




#84
C314 Naphthalene
Concen: 10.58 ng
RT: 11.45 min Scan# 1683
Delta R.T. 0.00 min
Lab File: F3602.D
Acq: 6 Aug 2008 3:26

Tgt Ion:128 Resp: 29983

Ion	Ratio	Lower	Upper
128	100		
102	6.3	0.0	39.4



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-5 (6-8)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936802

Sample wt/vol: 5.35 (g/mL) G Lab File ID: F3603.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 08/04/2008

% Moisture: not dec. 13 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	15	BJ
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	27	U
75-15-0	Carbon Disulfide	8	
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	27	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	10	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: IB-5 (6-8)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936802

Sample wt/vol: 5.35 (g/mL) G Lab File ID: F3603.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 08/04/2008

% Moisture: not dec. 13 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	27	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	16	U

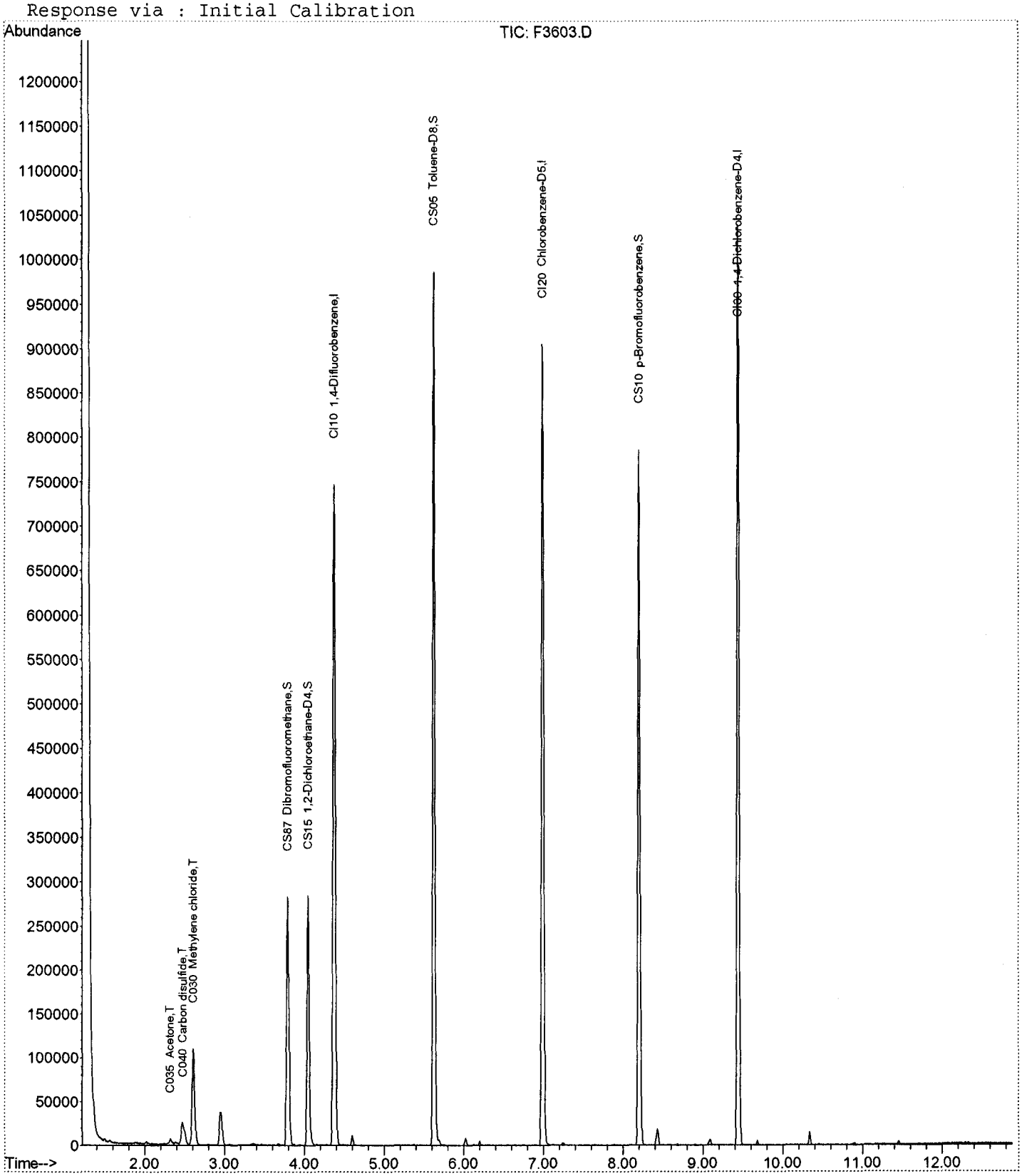
Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\F3603.D
Acq On : 6 Aug 2008 3:52
Sample : A8936802
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 8:40 2008

Vial: 17
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 11 11:21:10 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3603.D Vial: 17
Acq On : 6 Aug 2008 3:52 Operator: CDC
Sample : A8936802 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 06 08:40:21 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 08:38:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080508\F3582.D (5 Aug 2008 18:37)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	600520	250.00	ng	0.00 88.44%
43) CI20	Chlorobenzene-D5	6.99	82	299353	250.00	ng	0.00 87.70%
63) CI30	1,4-Dichlorobenzene-	9.44	152	277206	250.00	ng	0.00 85.05%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.79	111	179540	268.27	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	107.31%	
32) CS15	1,2-Dichloroethane-D	4.05	65	227334	253.44	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	101.38%	
44) CS05	Toluene-D8	5.63	98	712678	271.93	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	108.77%	
62) CS10	p-Bromofluorobenzene	8.20	174	237032	265.97	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	106.39%	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	1.45	50	132	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	60572	48.91	ng	82
11) C040	Carbon disulfide	2.48	76	58680	37.22	ng	94
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.32	43	12477	68.13	ng	78
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	3.07	63	1985	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	3.68	83	1306	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

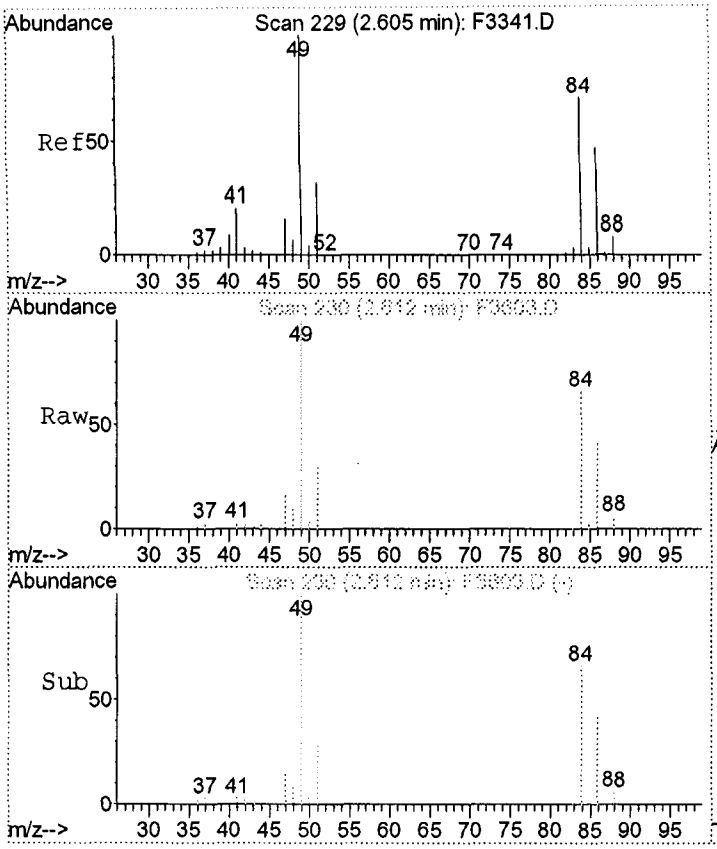
Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3603.D Vial: 17
Acq On : 6 Aug 2008 3:52 Operator: CDC
Sample : A8936802 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 06 08:40:21 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 08:38:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	4.10	78	1091	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	3.45	43	1103	N.D.	
36)	C150	Trichloroethene	4.60	95	3713	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.68	92	2571	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.62	43	2695	N.D.	
50)	C220	Tetrachloroethene	6.20	166	1164	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	6.13	43	326	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.13	91	145	N.D.	
58)	C246	m,p-Xylene	7.24	106	872	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	0.00	91	0	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.68	105	130	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	3715	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	3715	N.D.	
76)	C260	1,3-Dichlorobenzene	9.47	146	1480	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.47	146	1480	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	10.33	75	280	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	3532	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

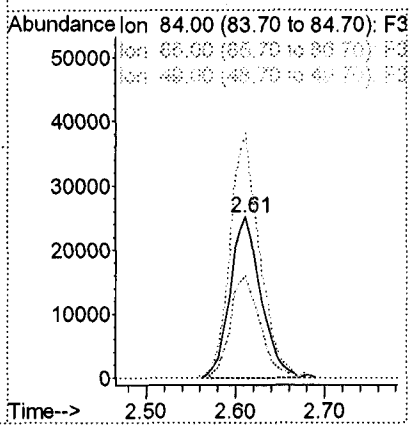
(#) = qualifier out of range (m) = manual integration

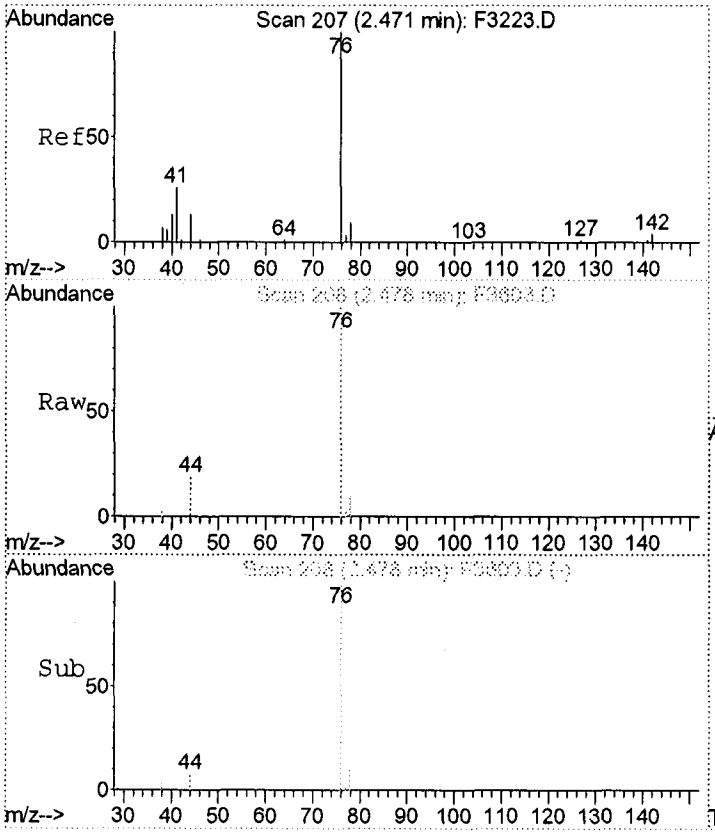


#10
C030 Methylene chloride
Concen: 48.91 ng
RT: 2.61 min Scan# 230
Delta R.T. 0.01 min
Lab File: F3603.D
Acq: 6 Aug 2008 3:52

Tgt Ion: 84 Resp: 60572

Ion	Ratio	Lower	Upper
84	100		
86	63.2	40.0	100.0
49	151.6	95.0	155.0

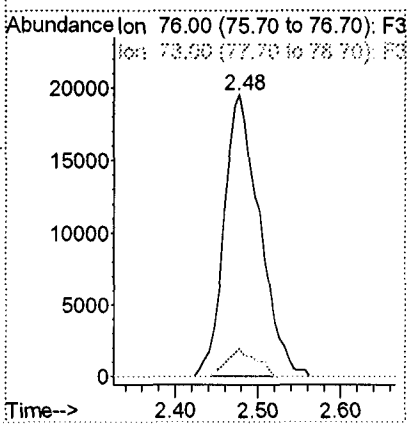


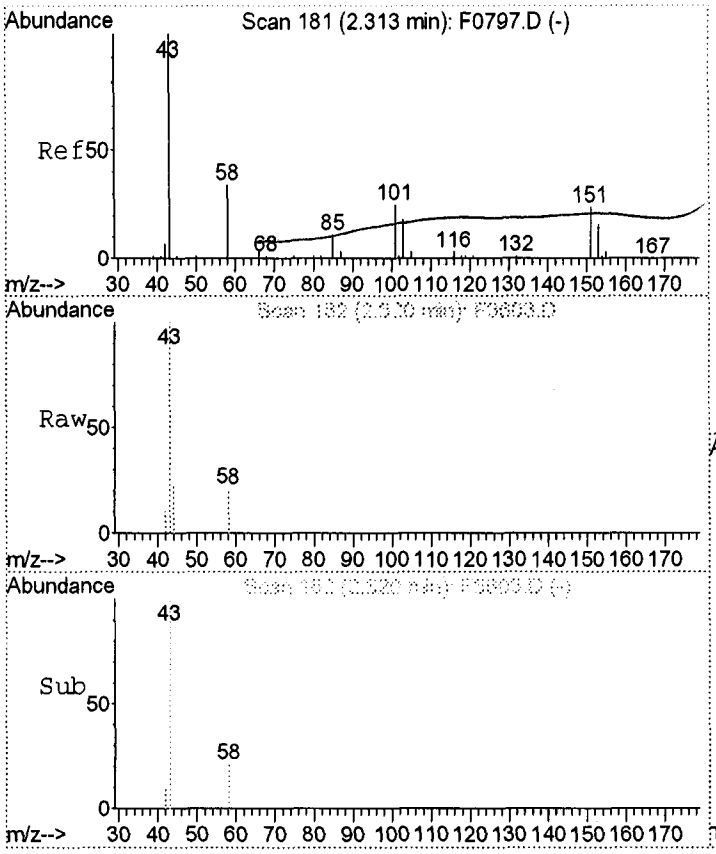


#11
C040 Carbon disulfide
Concen: 37.22 ng
RT: 2.48 min Scan# 208
Delta R.T. 0.01 min
Lab File: F3603.D
Acq: 6 Aug 2008 3:52

Tgt Ion: 76 Resp: 58680

Ion	Ratio	Lower	Upper
76	100		
78	10.0	0.0	38.0

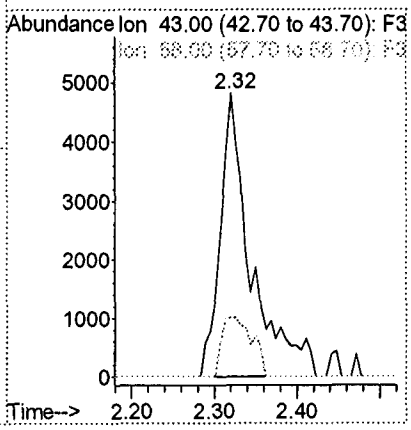




#14
C035 Acetone
Concen: 68.13 ng
RT: 2.32 min Scan# 182
Delta R.T. 0.01 min
Lab File: F3603.D
Acq: 6 Aug 2008 3:52

Tgt Ion: 43 Resp: 12477

Ion	Ratio	Lower	Upper
43	100		
58	20.8	3.0	63.0



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-6 (2-2.4)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936803

Sample wt/vol: 5.23 (g/mL) G Lab File ID: F3604.RR

Level: (low/med) LOW Date Samp/Recv: 07/30/2008 08/04/2008

% Moisture: not dec. 15 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	81	B
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	6	U
78-93-3	2-Butanone	28	U
75-15-0	Carbon Disulfide	7	
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
106-93-4	1,2-Dibromoethane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	28	U
98-82-8	Isopropylbenzene	6	U
79-20-9	Methyl acetate	6	U
108-87-2	Methylcyclohexane	6	U
75-09-2	Methylene chloride	9	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-6 (2-2.4)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936803

Sample wt/vol: 5.23 (g/mL) G Lab File ID: F3604.RR

Level: (low/med) LOW Date Samp/Recv: 07/30/2008 08/04/2008

% Moisture: not dec. 15 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

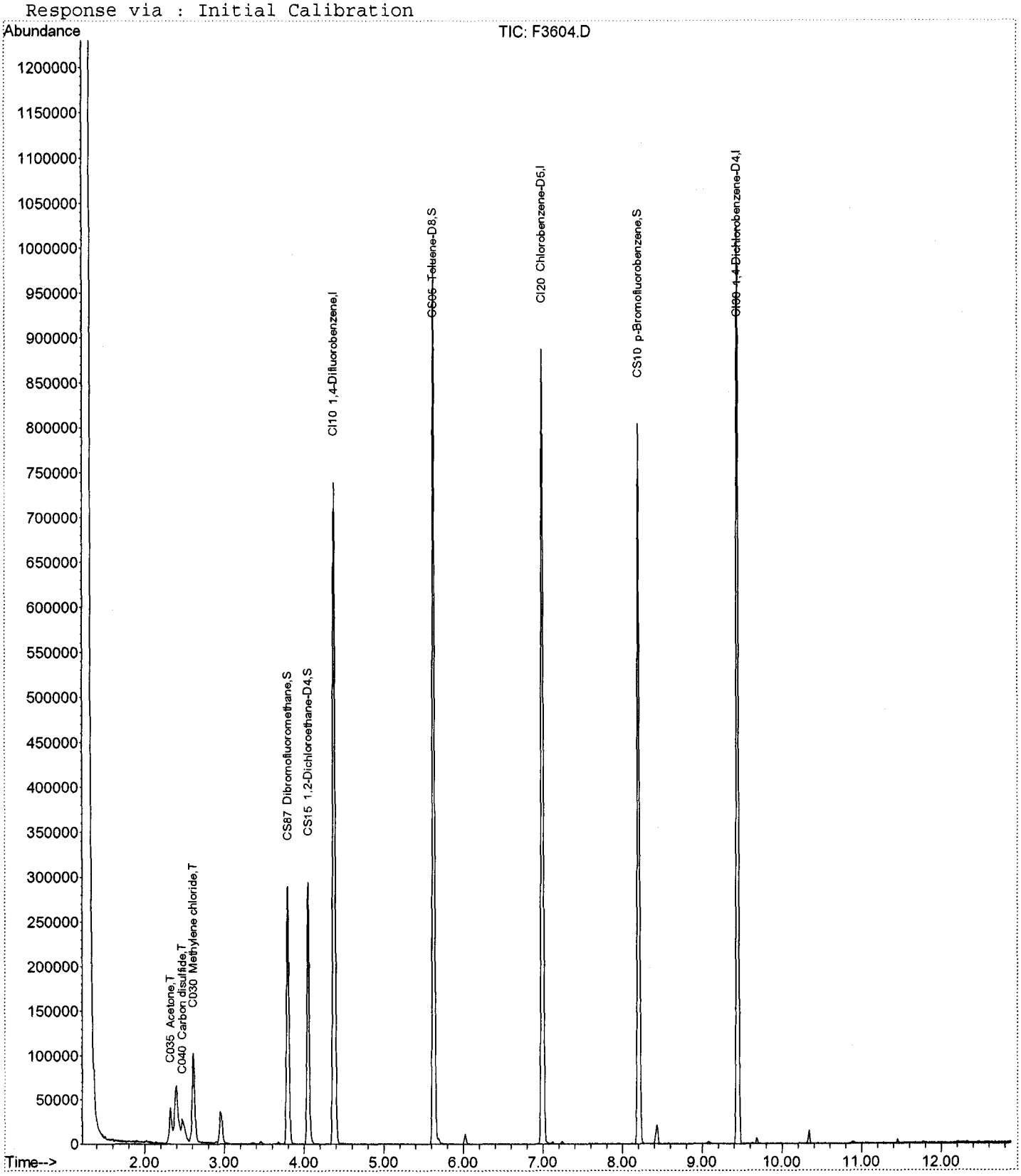
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	28	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
79-01-6	Trichloroethene	6	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	17	U

Data File : H:\GCMS_VOA\TEMP\F3604.D
Acq On : 6 Aug 2008 4:18
Sample : A8936803
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 8:40 2008

Vial: 18
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 11 11:21:10 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3604.D Vial: 18
Acq On : 6 Aug 2008 4:18 Operator: CDC
Sample : A8936803 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 06 08:40:26 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 08:38:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080508\F3582.D (5 Aug 2008 18:37)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	585302	250.00	ng	0.00 86.20%
43) CI20	Chlorobenzene-D5	6.99	82	295097	250.00	ng	0.00 86.46%
63) CI30	1,4-Dichlorobenzene-	9.44	152	274081	250.00	ng	0.00 84.09%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.80	111	179752	275.57	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery =	110.23%		
32) CS15	1,2-Dichloroethane-D	4.05	65	228427	261.27	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery =	104.51%		
44) CS05	Toluene-D8	5.63	98	709618	274.66	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery =	109.86%		
62) CS10	p-Bromofluorobenzene	8.20	174	236356	269.04	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery =	107.62%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.35	85	165	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	2.02	101	172	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	52792	39.59	ng	80
11) C040	Carbon disulfide	2.48	76	47435	30.87	ng	96
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.33	43	63837	357.64	ng	92
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	3.68	83	1200	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

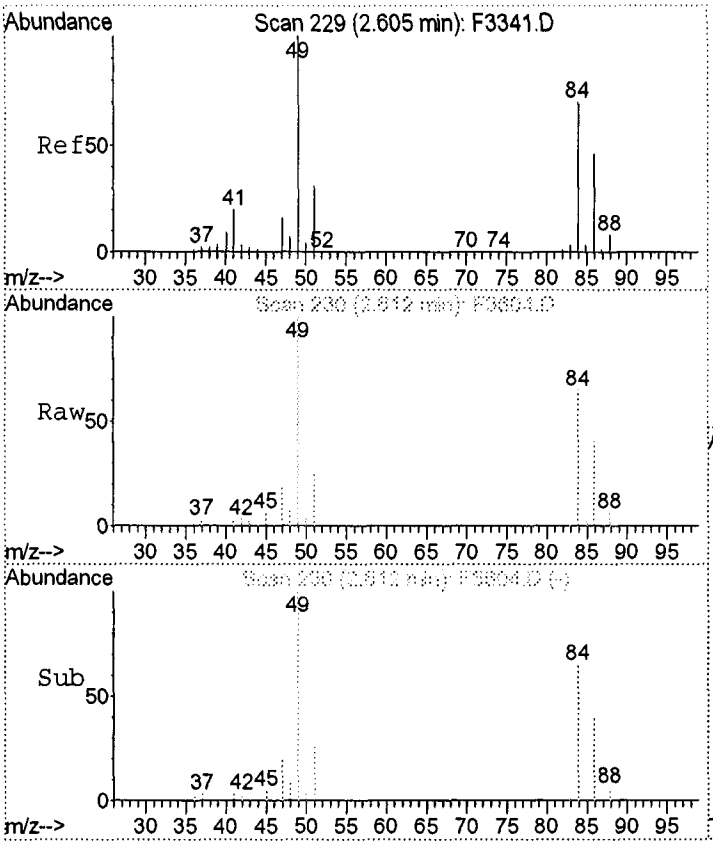
Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3604.D Vial: 18
Acq On : 6 Aug 2008 4:18 Operator: CDC
Sample : A8936803 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 06 08:40:26 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 08:38:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	4.11	78	683	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	3.46	43	5896	N.D.	
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.69	92	1989	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.51	43	134	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	0.00	43	0	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.13	91	965	N.D.	
58)	C246	m,p-Xylene	7.24	106	1023	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	0.00	91	0	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.57	105	317	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	1793	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	1793	N.D.	
76)	C260	1,3-Dichlorobenzene	9.46	146	1808	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.46	146	1808	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	3560	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

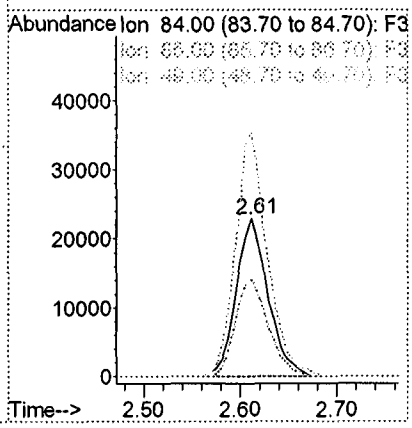
(#) = qualifier out of range (m) = manual integration

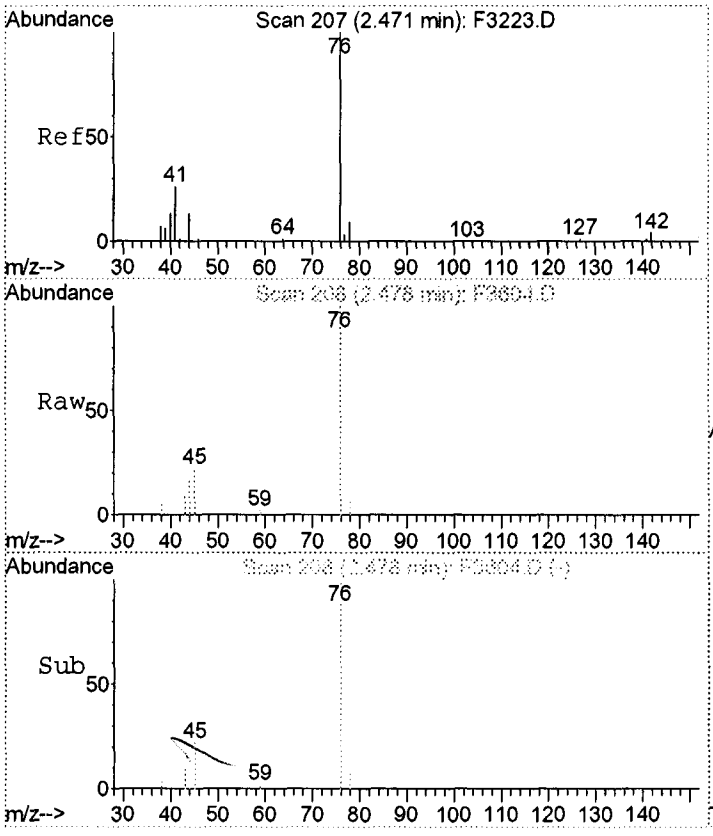


#10
C030 Methylene chloride
Concen: 39.59 ng
RT: 2.61 min Scan# 230
Delta R.T. 0.01 min
Lab File: F3604.D
Acq: 6 Aug 2008 4:18

Tgt Ion: 84 Resp: 52792

Ion	Ratio	Lower	Upper
84	100		
86	61.7	40.0	100.0
49	153.4	95.0	155.0

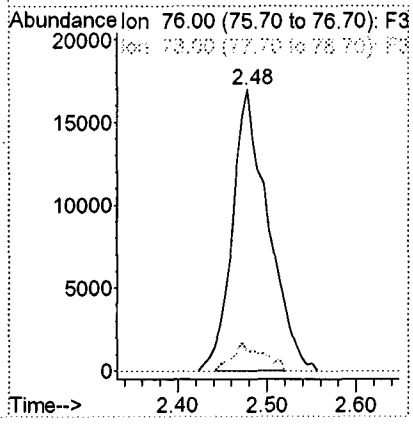


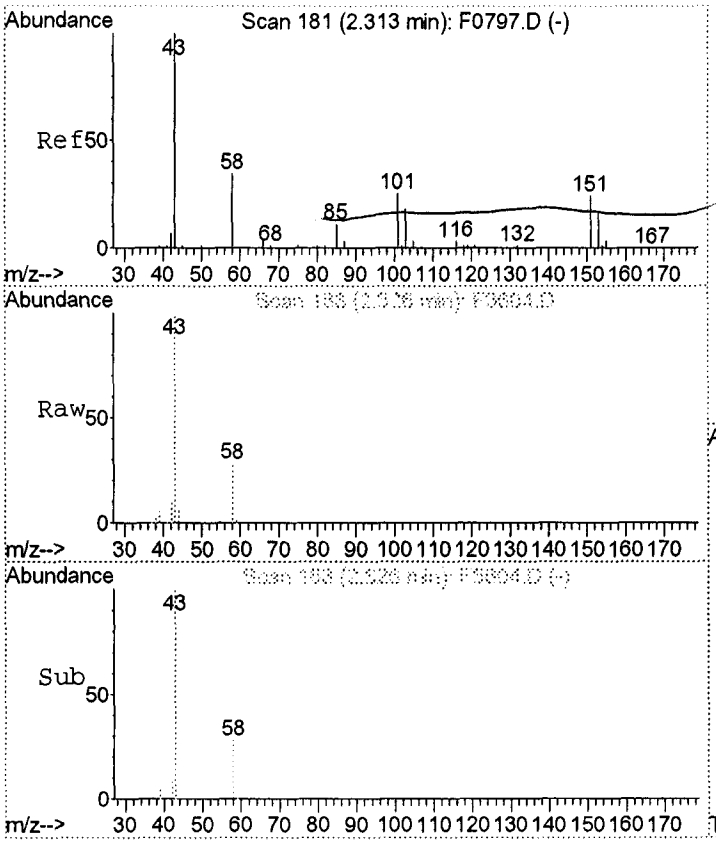


#11
C040 Carbon disulfide
Concen: 30.87 ng
RT: 2.48 min Scan# 208
Delta R.T. 0.01 min
Lab File: F3604.D
Acq: 6 Aug 2008 4:18

Tgt Ion: 76 Resp: 47435

Ion	Ratio	Lower	Upper
76	100		
78	6.6	0.0	38.0

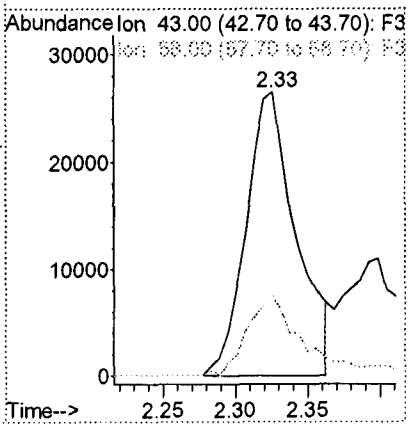




#14
C035 Acetone
Concen: 357.64 ng
RT: 2.33 min Scan# 183
Delta R.T. 0.01 min
Lab File: F3604.D
Acq: 6 Aug 2008 4:18

Tgt Ion: 43 Resp: 63837

Ion	Ratio	Lower	Upper
43	100		
58	28.3	3.0	63.0



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-6 (8-8.9)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936804

Sample wt/vol: 5.26 (g/mL) G Lab File ID: F3605.RR

Level: (low/med) LOW Date Samp/Recv: 07/30/2008 08/04/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	310	B
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	7	
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	4	J
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	4	J

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-6 (8-8.9)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936804

Sample wt/vol: 5.26 (g/mL) G Lab File ID: F3605.RR

Level: (low/med) LOW Date Samp/Recv: 07/30/2008 08/04/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	26	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	16	U

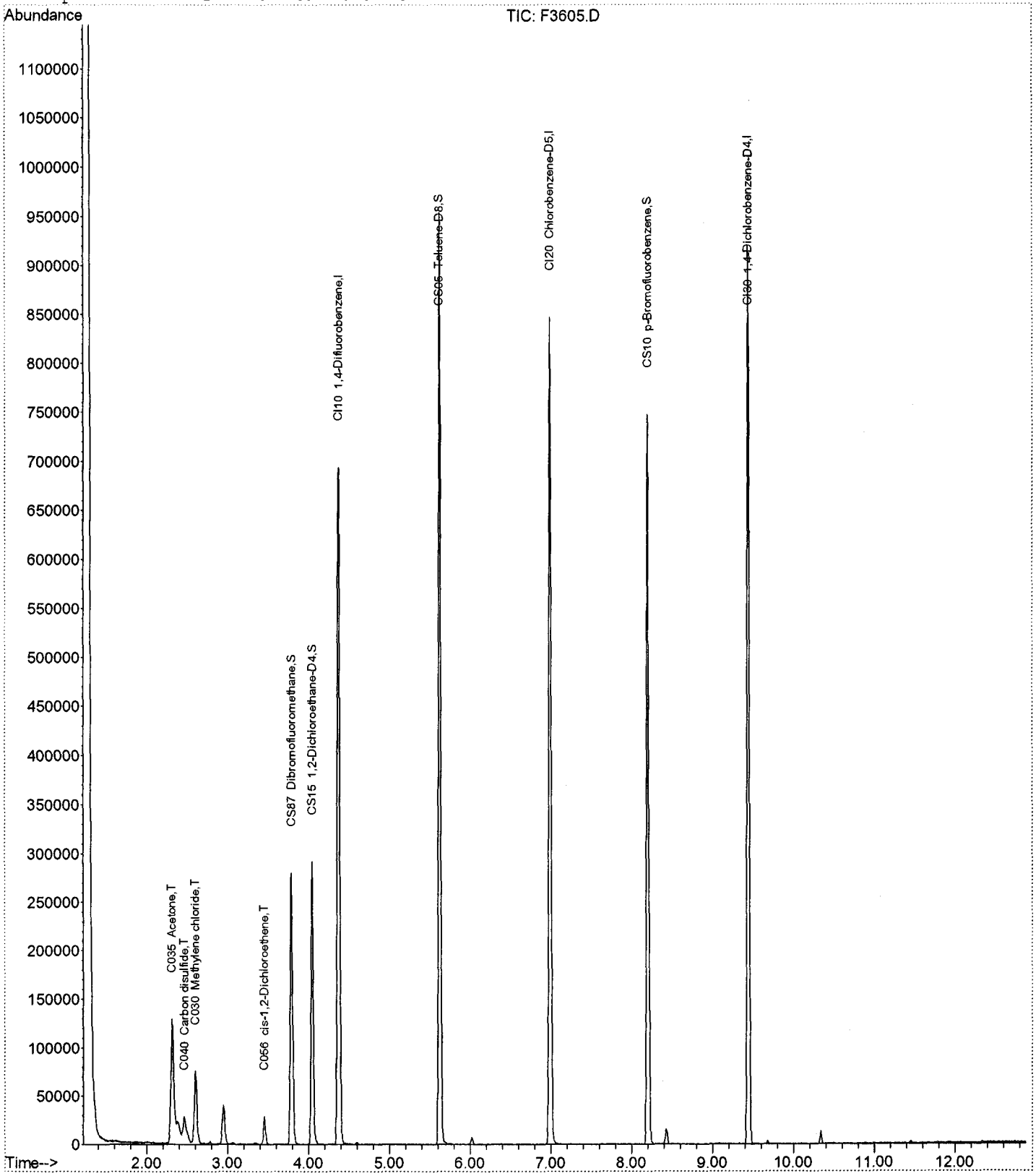
Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\F3605.D
Acq On : 6 Aug 2008 4:43
Sample : A8936804
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 8:40 2008

Vial: 19
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 11 11:21:10 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3605.D Vial: 19
Acq On : 6 Aug 2008 4:43 Operator: CDC
Sample : A8936804 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 06 08:40:30 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 08:38:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080508\F3582.D (5 Aug 2008 18:37)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	570534	250.00	ng	0.00 84.03%
43) CI20	Chlorobenzene-D5	6.99	82	278813	250.00	ng	0.00 81.68%
63) CI30	1,4-Dichlorobenzene-	9.44	152	243622	250.00	ng	0.00 74.75%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.79	111	173598	273.03	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	109.21%	
32) CS15	1,2-Dichloroethane-D	4.05	65	222819	261.46	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	104.58%	
44) CS05	Toluene-D8	5.62	98	676587	277.17	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	110.87%	
62) CS10	p-Bromofluorobenzene	8.20	174	222447	267.99	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	107.20%	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	2.01	101	545	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.60	84	39772	21.68	ng	90
11) C040	Carbon disulfide	2.47	76	50621	33.80	ng	93
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.31	43	256863	1476.29	ng	94
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	2.78	96	709	N.D.		
20) C050	1,1-Dichloroethane	3.06	63	2427	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	3.46	96	12460	17.43	ng	85
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	3.68	83	138	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

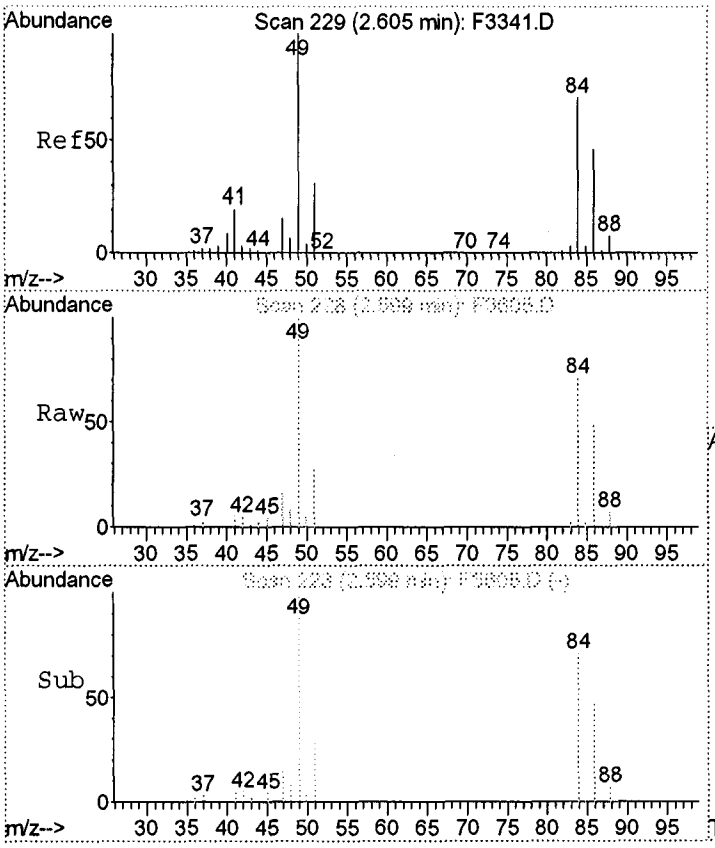
Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3605.D Vial: 19
Acq On : 6 Aug 2008 4:43 Operator: CDC
Sample : A8936804 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 06 08:40:30 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 08:38:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	4.11	78	345	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	3.45	43	1402	N.D.	
36)	C150	Trichloroethene	4.59	95	774	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	0.00	92	0	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.62	43	3016	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	0.00	43	0	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.25	91	708	N.D.	
58)	C246	m,p-Xylene	7.25	106	295	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	0.00	91	0	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	0.00	105	0	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	710	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	710	N.D.	
76)	C260	1,3-Dichlorobenzene	9.47	146	1154	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.47	146	1154	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	10.33	75	139	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	2880	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

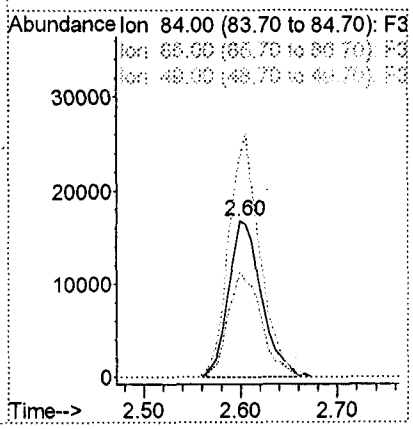
(#) = qualifier out of range (m) = manual integration

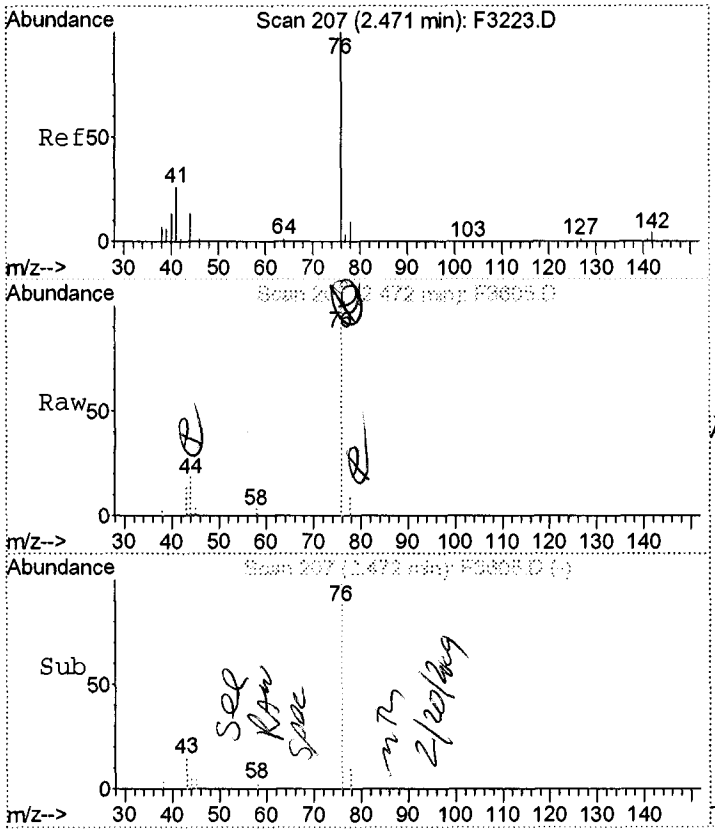


#10
C030 Methylene chloride
Concen: 21.68 ng
RT: 2.60 min Scan# 228
Delta R.T. -0.01 min
Lab File: F3605.D
Acq: 6 Aug 2008 4:43

Tgt Ion: 84 Resp: 39772

Ion	Ratio	Lower	Upper
84	100		
86	67.5	40.0	100.0
49	140.6	95.0	155.0

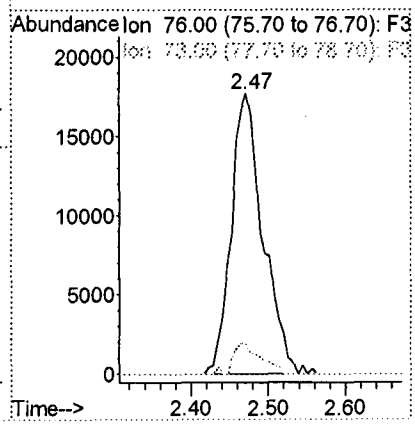


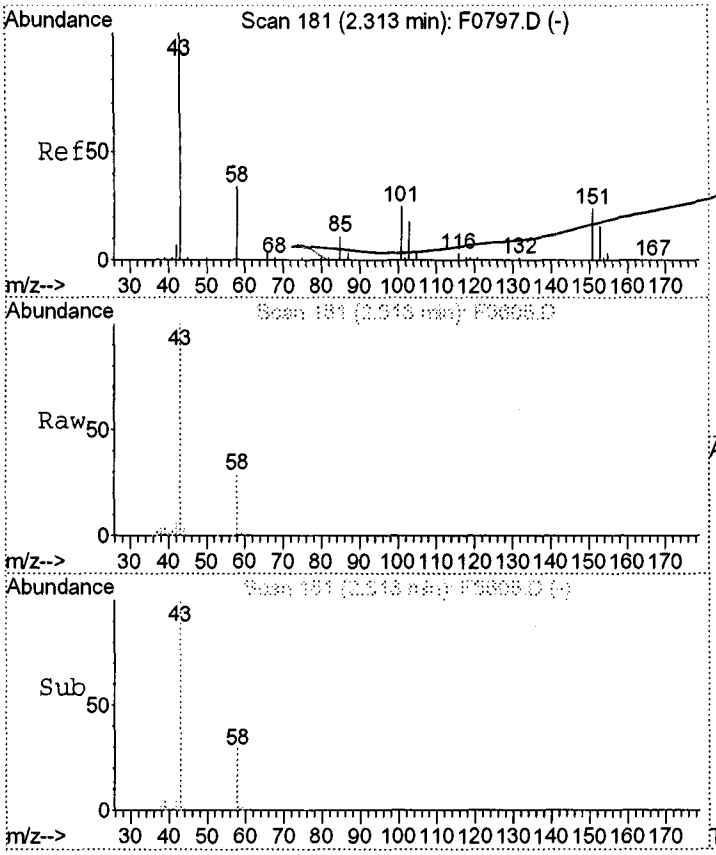


#11
C040 Carbon disulfide
Concen: 33.80 ng
RT: 2.47 min Scan# 207
Delta R.T. -0.00 min
Lab File: F3605.D
Acq: 6 Aug 2008 4:43

Tgt Ion: 76 Resp: 50621

Ion	Ratio	Lower	Upper
76	100		
78	10.4	0.0	38.0

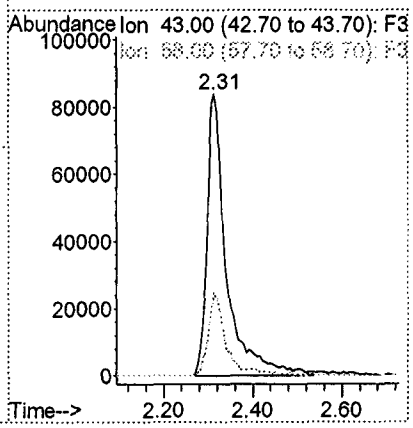


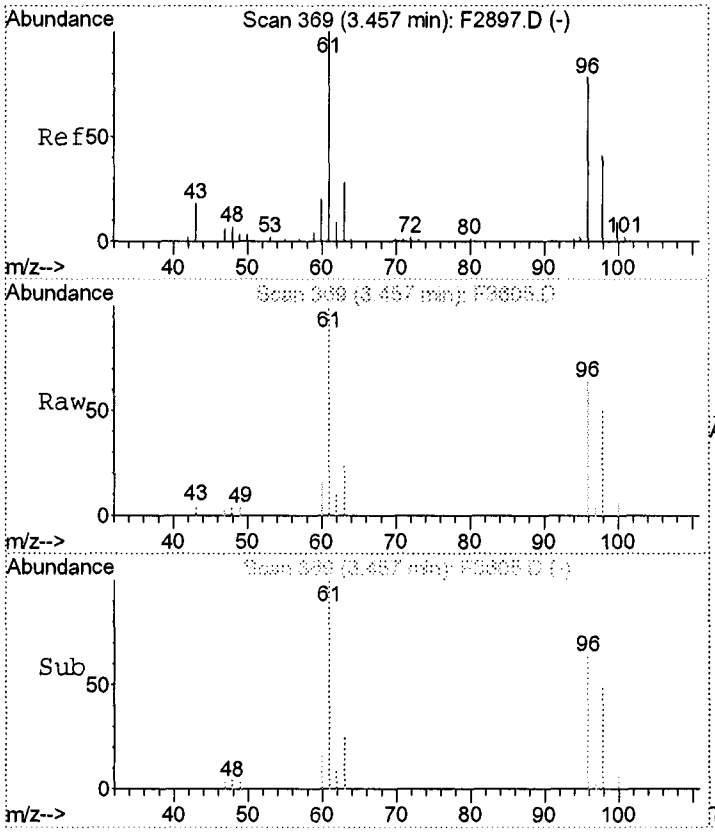


#14
C035 Acetone
Concen: 1476.29 ng
RT: 2.31 min Scan# 181
Delta R.T. -0.00 min
Lab File: F3605.D
Acq: 6 Aug 2008 4:43

Tgt Ion: 43 Resp: 256863

Ion	Ratio	Lower	Upper
43	100		
58	29.4	3.0	63.0

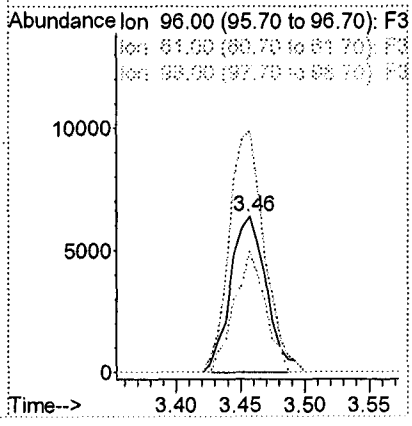




#23
C056 cis-1,2-Dichloroethene
Concen: 17.43 ng
RT: 3.46 min Scan# 369
Delta R.T. -0.00 min
Lab File: F3605.D
Acq: 6 Aug 2008 4:43

Tgt Ion: 96 Resp: 12460

Ion	Ratio	Lower	Upper
96	100		
61	155.1	111.4	171.4
98	77.4	28.3	88.3



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-7 (4-4.4)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936805

Sample wt/vol: 5.10 (g/mL) G Lab File ID: F3606.RR

Level: (low/med) LOW Date Samp/Recv: 07/31/2008 08/04/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	18	BJ
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	27	U
75-15-0	Carbon Disulfide	8	
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	27	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	11	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-7 (4-4.4)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936805

Sample wt/vol: 5.10 (g/mL) G Lab File ID: F3606.RR

Level: (low/med) LOW Date Samp/Recv: 07/31/2008 08/04/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

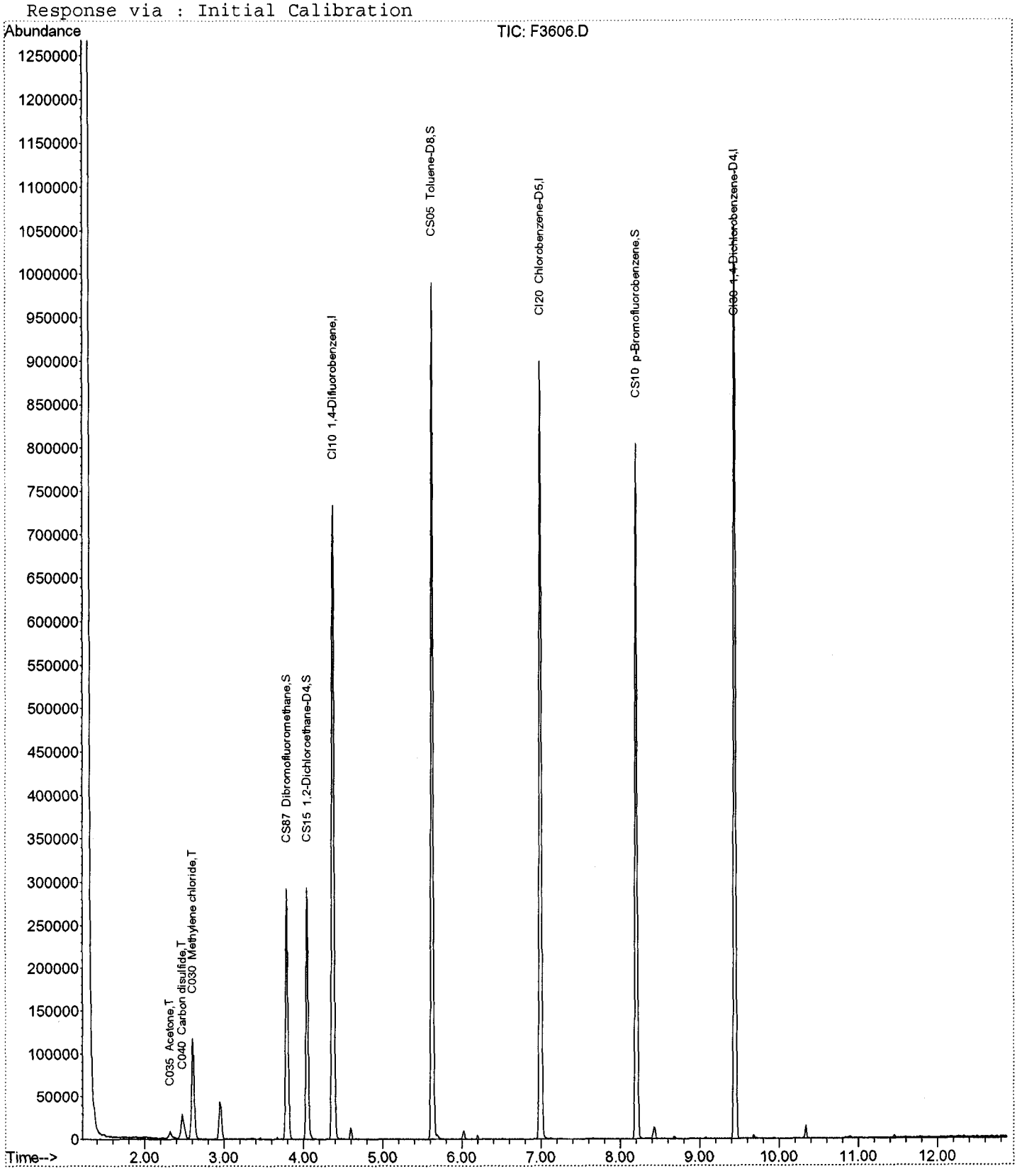
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	27	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	16	U

Data File : H:\GCMS_VOA\TEMP\F3606.D
Acq On : 6 Aug 2008 5:09
Sample : A8936805
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 8:40 2008

Vial: 20
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 11 11:21:10 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3606.D Vial: 20
Acq On : 6 Aug 2008 5:09 Operator: CDC
Sample : A8936805 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 06 08:40:35 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 08:38:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080508\F3582.D (5 Aug 2008 18:37)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	588298	250.00	ng	0.00 86.64%
43) CI20	Chlorobenzene-D5	6.99	82	292450	250.00	ng	0.00 85.68%
63) CI30	1,4-Dichlorobenzene-	9.44	152	273070	250.00	ng	0.00 83.78%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.79	111	177505	270.74	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery =	108.30%		
32) CS15	1,2-Dichloroethane-D	4.05	65	226613	257.88	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery =	103.15%		
44) CS05	Toluene-D8	5.62	98	707971	276.51	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery =	110.60%		
62) CS10	p-Bromofluorobenzene	8.20	174	234977	269.89	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery =	107.96%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	2.02	101	160	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	60945	51.30	ng	# 76
11) C040	Carbon disulfide	2.47	76	59151	38.30	ng	95
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.32	43	15144	84.41	ng	88
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	3.67	42	132	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	3.68	83	381	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

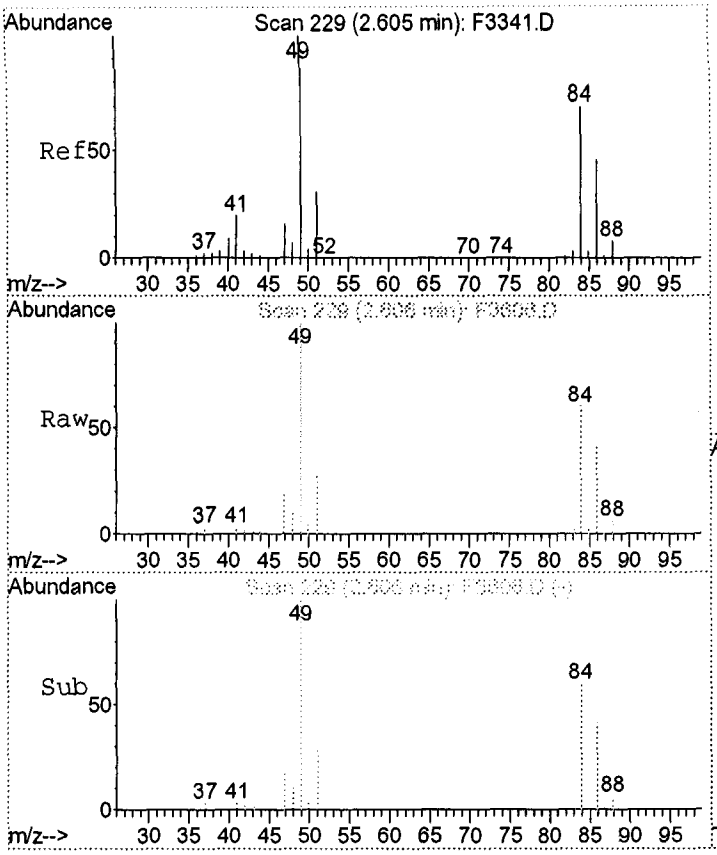
Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3606.D Vial: 20
Acq On : 6 Aug 2008 5:09 Operator: CDC
Sample : A8936805 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 06 08:40:35 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 08:38:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	4.10	78	595	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	3.46	43	2513	N.D.	
36)	C150	Trichloroethene	4.59	95	4844	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.68	92	1591	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.63	43	2961	N.D.	
50)	C220	Tetrachloroethene	6.19	166	1160	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	6.13	43	287	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.13	91	152	N.D.	
58)	C246	m,p-Xylene	7.24	106	300	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	0.00	91	0	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	8.57	105	131	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	1264	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	1264	N.D.	
76)	C260	1,3-Dichlorobenzene	9.47	146	1706	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.47	146	1706	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	3908	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

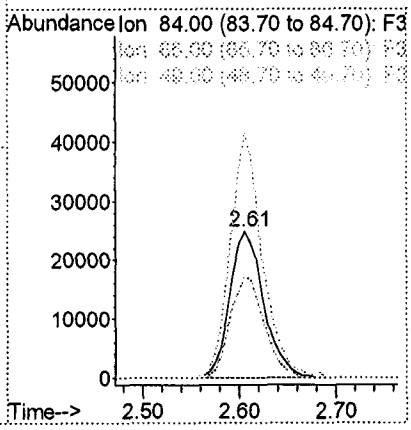
(#) = qualifier out of range (m) = manual integration

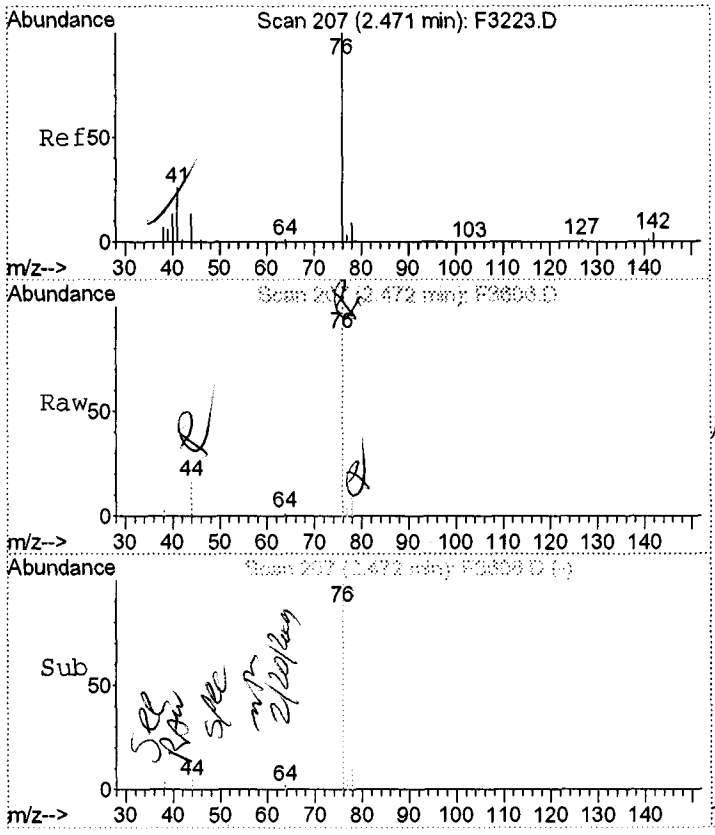


#10
C030 Methylene chloride
Concen: 51.30 ng
RT: 2.61 min Scan# 229
Delta R.T. -0.00 min
Lab File: F3606.D
Acq: 6 Aug 2008 5:09

Tgt Ion: 84 Resp: 60945

Ion	Ratio	Lower	Upper
84	100		
86	68.3	40.0	100.0
49	165.9	95.0	155.0#

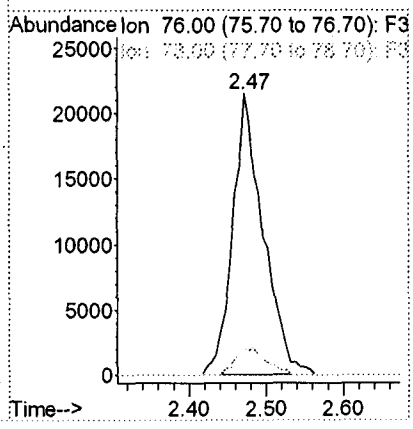


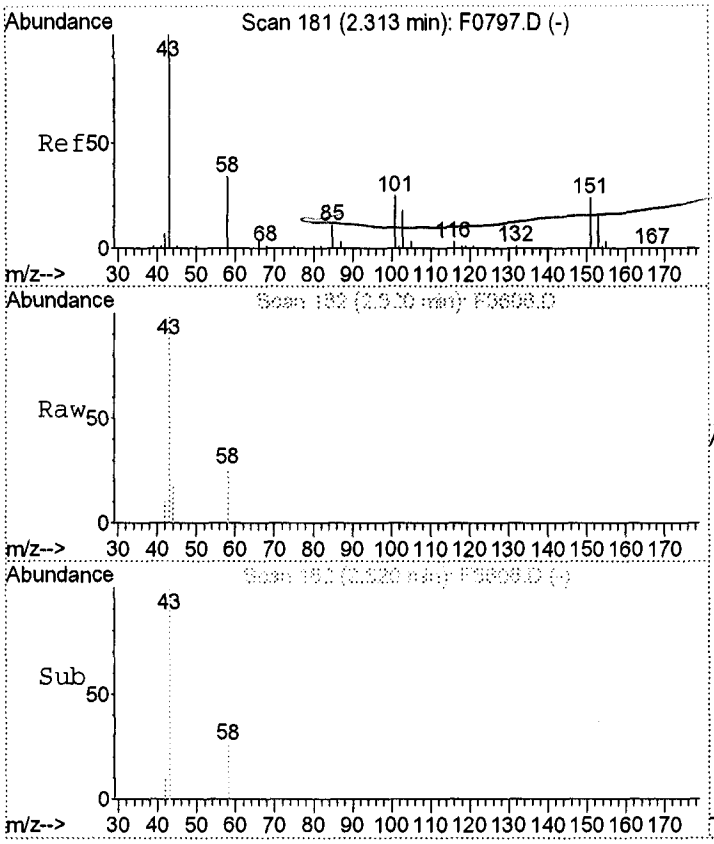


#11
C040 Carbon disulfide
Concen: 38.30 ng
RT: 2.47 min Scan# 207
Delta R.T. -0.00 min
Lab File: F3606.D
Acq: 6 Aug 2008 5:09

Tgt Ion: 76 Resp: 59151

Ion	Ratio	Lower	Upper
76	100		
78	9.8	0.0	38.0

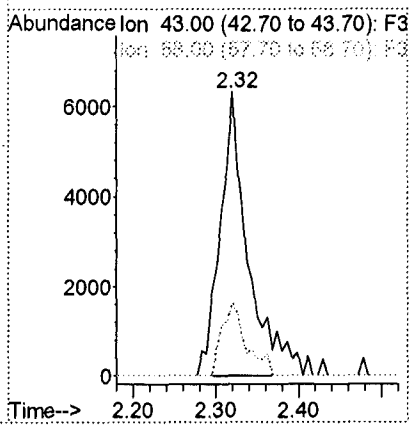




#14
C035 Acetone
Concen: 84.41 ng
RT: 2.32 min Scan# 182
Delta R.T. 0.01 min
Lab File: F3606.D
Acq: 6 Aug 2008 5:09

Tgt Ion: 43 Resp: 15144

Ion	Ratio	Lower	Upper
43	100		
58	26.0	3.0	63.0



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-7 (8-8.9)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936806

Sample wt/vol: 5.07 (g/mL) G Lab File ID: F3607.RR

Level: (low/med) LOW Date Samp/Recv: 07/31/2008 08/04/2008

% Moisture: not dec. 7 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	17	BJ
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	9	
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	13	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-7 (8-8.9)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936806

Sample wt/vol: 5.07 (g/mL) G Lab File ID: F3607.RR

Level: (low/med) LOW Date Samp/Recv: 07/31/2008 08/04/2008

% Moisture: not dec. 7 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

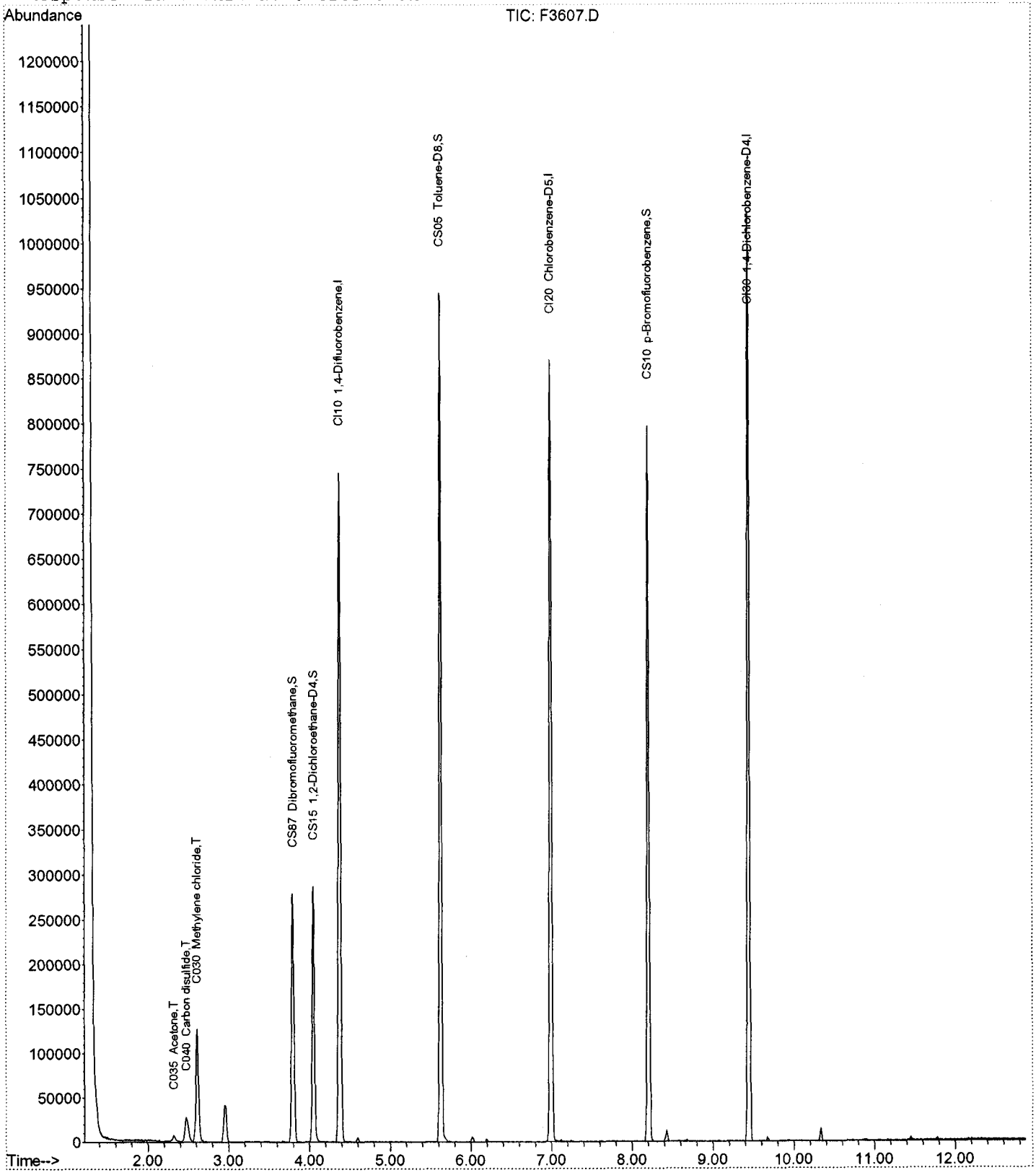
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	26	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	16	U

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\F3607.D
Acq On : 6 Aug 2008 5:34
Sample : A8936806
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 6 8:40 2008

Vial: 21
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 11 11:21:10 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3607.D Vial: 21
Acq On : 6 Aug 2008 5:34 Operator: CDC
Sample : A8936806 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 06 08:40:40 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 08:38:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080508\F3582.D (5 Aug 2008 18:37)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	581822	250.00	ng	0.00 85.69%
43) CI20	Chlorobenzene-D5	6.99	82	288191	250.00	ng	0.00 84.43%
63) CI30	1,4-Dichlorobenzene-	9.44	152	269598	250.00	ng	0.00 82.72%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.79	111	174559	269.21	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery =	107.68%		
32) CS15	1,2-Dichloroethane-D	4.05	65	225130	259.04	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery =	103.62%		
44) CS05	Toluene-D8	5.63	98	694425	275.22	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery =	110.09%		
62) CS10	p-Bromofluorobenzene	8.20	174	235498	274.49	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery =	109.80%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	2.01	101	426	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	66891	61.24	ng	83
11) C040	Carbon disulfide	2.48	76	62229	40.74	ng	97
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.33	43	14098	79.45	ng	79
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	3.67	83	913	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

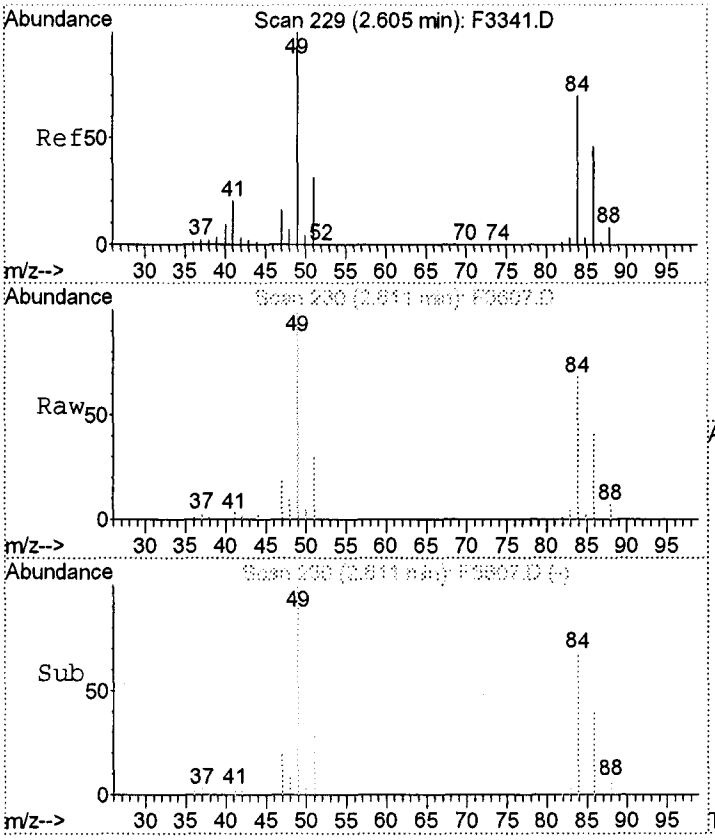
Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3607.D Vial: 21
Acq On : 6 Aug 2008 5:34 Operator: CDC
Sample : A8936806 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 06 08:40:40 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Wed Aug 06 08:38:33 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	4.10	78	494	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	3.46	43	1713	N.D.	
36)	C150	Trichloroethene	4.61	95	2176	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.68	92	1287	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.63	43	2765	N.D.	
50)	C220	Tetrachloroethene	6.20	166	956	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	0.00	43	0	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.25	91	564	N.D.	
58)	C246	m,p-Xylene	7.24	106	511	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	8.20	105	143	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	0.00	91	0	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	0.00	105	0	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	1080	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	1080	N.D.	
76)	C260	1,3-Dichlorobenzene	9.47	146	2064	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.47	146	2064	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	10.33	75	168	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	3388	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

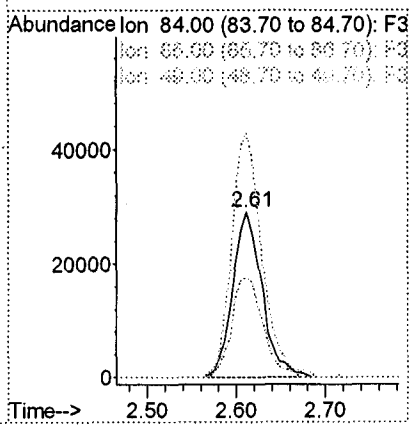
(#) = qualifier out of range (m) = manual integration

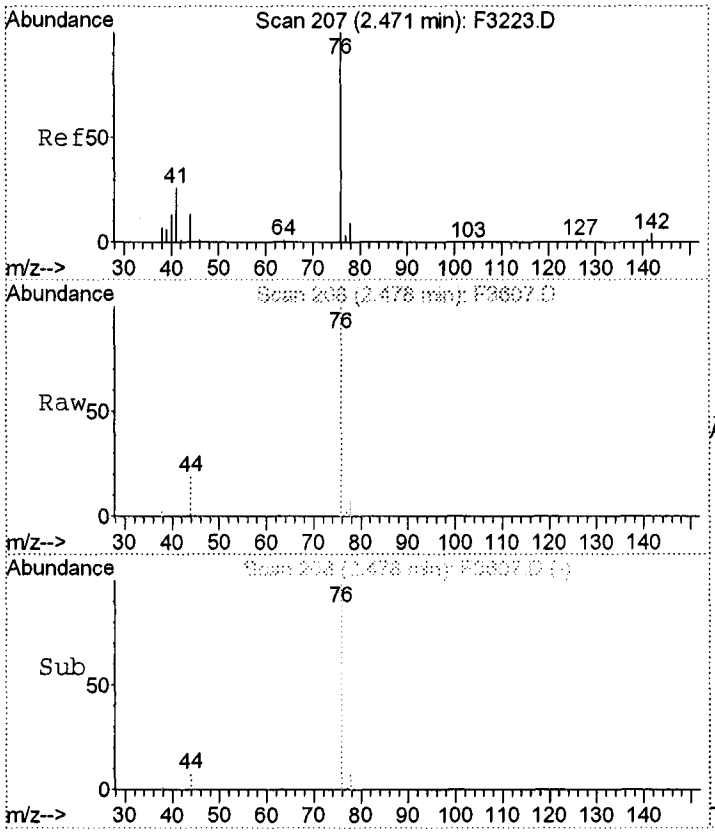


#10
C030 Methylene chloride
Concen: 61.24 ng
RT: 2.61 min Scan# 230
Delta R.T. 0.01 min
Lab File: F3607.D
Acq: 6 Aug 2008 5:34

Tgt Ion: 84 Resp: 66891

Ion	Ratio	Lower	Upper
84	100		
86	60.0	40.0	100.0
49	146.5	95.0	155.0

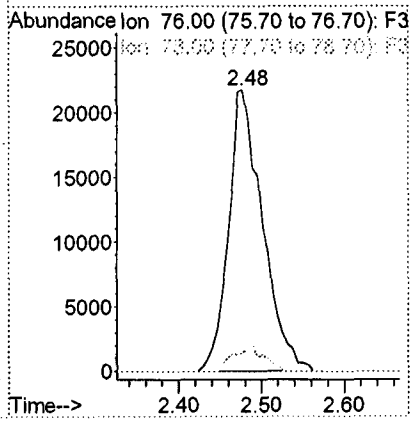


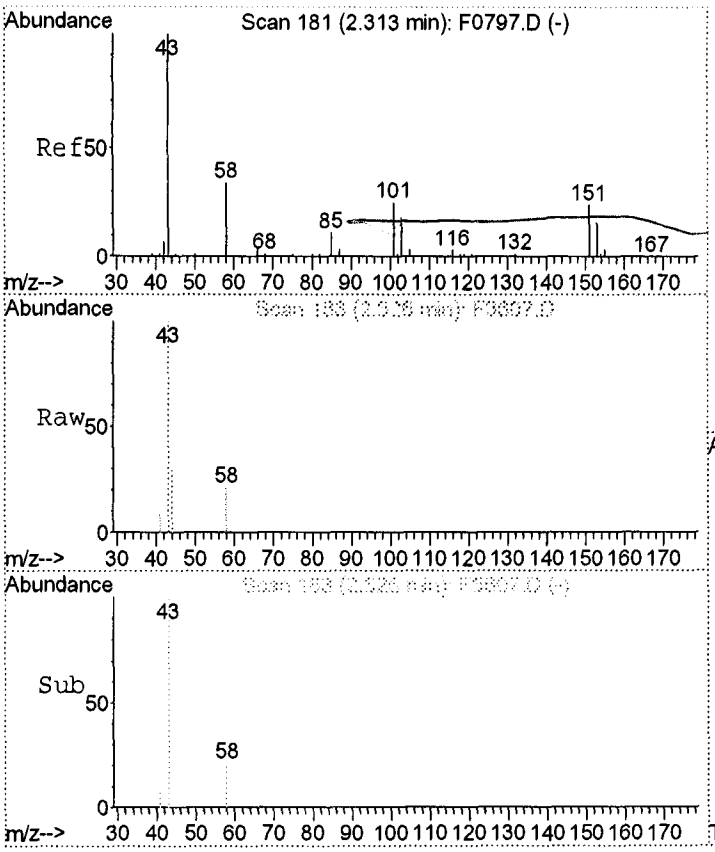


#11
C040 Carbon disulfide
Concen: 40.74 ng
RT: 2.48 min Scan# 208
Delta R.T. 0.01 min
Lab File: F3607.D
Acq: 6 Aug 2008 5:34

Tgt Ion: 76 Resp: 62229

Ion	Ratio	Lower	Upper
76	100		
78	7.1	0.0	38.0

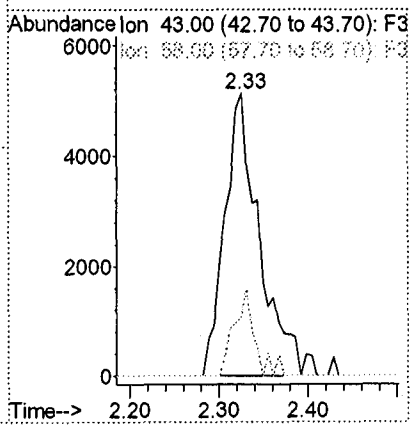




#14
C035 Acetone
Concen: 79.45 ng
RT: 2.33 min Scan# 183
Delta R.T. 0.01 min
Lab File: F3607.D
Acq: 6 Aug 2008 5:34

Tgt Ion: 43 Resp: 14098

Ion	Ratio	Lower	Upper
43	100		
58	21.3	3.0	63.0



Standards

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000572-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Intrument ID: HP5973F_____ Calibration Dates(s): 08/01/2008 08/01/2008

Heated Purge (Y/N): Y Calibration Times: 20:10 21:53

GC Column: ZB-624 ID: 0.20(mm)

Lab File ID: RRF5 = F3508.RR RRF20 = F3509.RR
RRF50 = F3510.RR RRF100 = F3511.RR RRF200 = F3512.RR

COMPOUND		RRF5	RRF20	RRF50	RRF100	RRF200	AVG RRF	% RSD	
Chloromethane	#	0.293	0.280	0.287	0.271	0.269	0.2800	3.600	#
Bromomethane		0.138	0.144	0.142	0.140	0.136	0.1400	2.300	
Vinyl chloride	*	0.246	0.255	0.255	0.239	0.235	0.2460	3.600	*
Chloroethane		0.136	0.128	0.126	0.120	0.119	0.1260	5.600	
Methylene chloride		0.652	0.386	0.342	0.313	0.296	0.3980	36.700	
Acetone		0.085	0.071	0.079	0.068	0.078	0.0760	8.800	
Carbon Disulfide		0.665	0.636	0.693	0.642	0.646	0.6560	3.500	
1,1-Dichloroethene	*	0.191	0.174	0.194	0.171	0.176	0.1810	5.800	*
1,1-Dichloroethane	#	0.518	0.556	0.522	0.497	0.468	0.5120	6.300	#
cis-1,2-Dichloroethene		0.323	0.336	0.316	0.303	0.288	0.3130	5.900	
trans-1,2-Dichloroethene		0.295	0.309	0.295	0.281	0.265	0.2890	5.800	
Chloroform	*	0.531	0.535	0.511	0.496	0.482	0.5110	4.400	*
1,2-Dichloroethane		0.466	0.464	0.452	0.440	0.438	0.4520	2.900	
2-Butanone		0.150	0.147	0.148	0.138	0.147	0.1460	3.100	
1,1,1-Trichloroethane		0.427	0.482	0.464	0.452	0.440	0.4530	4.700	
Carbon Tetrachloride		0.350	0.366	0.372	0.366	0.355	0.3620	2.400	
Bromodichloromethane		0.353	0.370	0.376	0.370	0.377	0.3690	2.600	
1,2-Dichloropropane	*	0.292	0.295	0.294	0.281	0.267	0.2860	4.200	*
cis-1,3-Dichloropropene		0.430	0.467	0.459	0.448	0.450	0.4510	3.100	
Trichloroethene		0.318	0.305	0.298	0.291	0.278	0.2980	5.100	
Dibromochloromethane		0.482	0.536	0.541	0.553	0.582	0.5390	6.800	
1,1,2-Trichloroethane		0.397	0.421	0.393	0.389	0.396	0.3990	3.100	
Benzene		1.139	1.156	1.092	1.039	0.971	1.0790	7.000	
trans-1,3-Dichloropropene		0.793	0.893	0.866	0.865	0.877	0.8590	4.500	
Bromoform	#	0.257	0.332	0.355	0.370	0.403	0.3430	16.000	#
4-Methyl-2-pentanone		0.634	0.629	0.618	0.573	0.584	0.6080	4.500	
2-Hexanone		0.437	0.454	0.446	0.417	0.435	0.4380	3.200	
Tetrachloroethene		0.655	0.685	0.632	0.599	0.563	0.6270	7.600	
1,1,2,2-Tetrachloroethane	#	0.643	0.678	0.665	0.645	0.649	0.6560	2.300	#
Toluene	*	1.835	1.599	1.470	1.394	1.332	1.5260	13.100	*
Chlorobenzene	#	1.696	1.667	1.546	1.496	1.451	1.5710	6.800	#
Ethylbenzene	*	2.999	3.037	2.755	2.664	2.478	2.7870	8.400	*
Styrene		1.638	1.775	1.651	1.565	1.472	1.6200	6.900	
Total Xylenes		1.073	1.094	1.000	0.945	0.883	0.9990	8.800	
1,1,2-Trichloro-1,2,2-trifl		0.187	0.173	0.193	0.182	0.180	0.1830	4.200	
1,2,4-Trichlorobenzene		1.160	1.148	1.093	1.026	0.958	1.0770	7.900	
1,2-Dibromo-3-chloropropane		0.114	0.131	0.144	0.141	0.162	0.1380	12.700	

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000572-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Intrument ID: HP5973F_____ Calibration Dates(s): 08/01/2008 08/01/2008

Heated Purge (Y/N): Y Calibration Times: 20:10 21:53

GC Column: ZB-624 ID: 0.20(mm)

Lab File ID: RRF5 = F3508.RR RRF20 = F3509.RR
RRF50 = F3510.RR RRF100 = F3511.RR RRF200 = F3512.RR

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	AVG RRF	% RSD
1,2-Dibromoethane	0.496	0.510	0.504	0.493	0.509	0.5020	1.500
1,2-Dichlorobenzene	1.392	1.361	1.300	1.219	1.143	1.2830	8.000
1,3-Dichlorobenzene	1.398	1.432	1.366	1.306	1.231	1.3470	5.900
1,4-Dichlorobenzene	1.548	1.465	1.373	1.325	1.244	1.3910	8.500
Cyclohexane	0.554	0.520	0.503	0.497	0.467	0.5080	6.200
Dichlorodifluoromethane	0.231	0.227	0.225	0.211	0.208	0.2200	4.600
Methyl acetate	0.480	0.448	0.463	0.443	0.471	0.4610	3.400
Trichlorofluoromethane	0.325	0.333	0.339	0.323	0.315	0.3270	2.900
Methyl-t-Butyl Ether (MTBE)	0.878	0.848	0.863	0.824	0.847	0.8520	2.400
Isopropylbenzene	2.835	2.920	2.728	2.621	2.439	2.7090	6.900
Methylcyclohexane	0.496	0.487	0.466	0.452	0.421	0.4640	6.400
Toluene-D8	2.001	2.252	2.463	2.229	2.000	2.1890	8.900
p-Bromofluorobenzene	0.791	0.734	0.801	0.726	0.670	0.7440	7.200
1,2-Dichloroethane-D4	0.355	0.386	0.390	0.373	0.363	0.3730	4.000

Comments:

Response Factor Report HP5973F

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:31:21 2008
Response via : Initial Calibration

8260 Soil
A8I..0572

Calibration Files
1 =F3508.D 2 =F3509.D 3 =F3510.D
4 =F3511.D 5 =F3512.D

			Compound	1	2	3	4	5	Avg	%RSD
1)	I	CI10	1,4-Difluoroben	----------ISTD----------						
2)	T	C290	Dichlorodifluor	0.231	0.227	0.225	0.211	0.208	0.220	4.60
3)	T	C010	Chloromethane	0.292	0.280	0.287	0.271	0.269	0.280	3.62
4)	T	C020	Vinyl chloride	0.245	0.255	0.255	0.239	0.235	0.246	3.66
5)	T	C015	Bromomethane	0.138	0.144	0.142	0.140	0.136	0.140	2.29
6)	T	C025	Chloroethane	0.136	0.128	0.126	0.120	0.119	0.126	5.62
7)	T	C275	Trichlorofluoro	0.325	0.333	0.339	0.323	0.315	0.327	2.88
8)	T	C291	1,1,2-Trichloro	0.187	0.173	0.193	0.182	0.180	0.183	4.16
9)	T	C045	1,1-Dichloroeth	0.191	0.174	0.194	0.171	0.176	0.181	5.85
10)	T	C030	Methylene chlor	0.652	0.386	0.342	0.313	0.296	-----	
								L M=	0.286	R^2=0.999
								B=	0.047	
11)	T	C040	Carbon disulfid	0.665	0.636	0.692	0.642	0.646	0.656	3.51
12)	T	C036	Acrolein	0.028	0.029	0.030	0.028	0.030	0.029	3.30
13)	T	C038	Acrylonitrile	0.119	0.115	0.115	0.109	0.115	0.115	3.02
14)	T	C035	Acetone	0.085	0.071	0.079	0.068	0.078	0.076	8.81
15)	T	C300	Acetonitrile	0.034	0.033	0.034	0.032	0.035	0.033	3.58
16)	T	C276	Iodomethane	0.366	0.364	0.356	0.358	0.352	0.359	1.64
17)	T	C255	Methyl Acetate	0.480	0.448	0.462	0.443	0.471	0.461	3.36
18)	T	C962	T-butyl Methyl	0.878	0.848	0.863	0.824	0.847	0.852	2.37
19)	T	C057	trans-1,2-Dichl	0.295	0.309	0.295	0.281	0.265	0.289	5.80
20)	T	C050	1,1-Dichloroeth	0.518	0.556	0.522	0.497	0.468	0.512	6.34
21)	T	C125	Vinyl Acetate	0.522	0.519	0.514	0.487	0.445	0.497	6.46
22)	T	C051	2,2-Dichloropro	0.448	0.453	0.435	0.420	0.412	0.433	4.06
23)	T	C056	cis-1,2-Dichlor	0.323	0.336	0.316	0.303	0.288	0.313	5.87
24)	T	C272	Tetrahydrofuran	0.095	0.094	0.096	0.090	0.095	0.094	2.59
25)	T	C222	Bromochlorometh	0.150	0.158	0.155	0.147	0.147	0.151	3.28
26)	T	C060	Chloroform	0.531	0.535	0.511	0.496	0.482	0.511	4.45
27)	S	CS87	Dibromofluorome	0.256	0.279	0.301	0.286	0.271	0.279	6.01
28)	T	C256	Cyclohexane	0.554	0.520	0.503	0.497	0.467	0.508	6.26
29)	T	C115	1,1,1-Trichloro	0.427	0.482	0.464	0.452	0.440	0.453	4.69
30)	T	C120	Carbon tetrachl	0.350	0.366	0.372	0.366	0.355	0.362	2.40
31)	T	C116	1,1-Dichloropro	0.382	0.393	0.379	0.364	0.345	0.373	5.02
32)	S	CS15	1,2-Dichloroeth	0.355	0.386	0.390	0.373	0.363	0.373	3.99
33)	T	C165	Benzene	1.139	1.156	1.091	1.039	0.971	1.079	7.04
34)	T	C065	1,2-Dichloroeth	0.466	0.464	0.452	0.440	0.438	0.452	2.88
35)	T	C110	2-Butanone	0.150	0.147	0.148	0.138	0.147	0.146	3.11
36)	T	C150	Trichloroethene	0.318	0.305	0.298	0.291	0.278	0.298	5.10
37)	T	C161	2-Chloroethylvi	0.178	0.177	0.173	0.165	0.161	0.171	4.28
38)	T	C012	Methylcyclohexa	0.496	0.487	0.466	0.452	0.421	0.464	6.42
39)	T	C140	1,2-Dichloropro	0.291	0.295	0.294	0.281	0.267	0.286	4.21
40)	T	C278	Dibromomethane	0.160	0.174	0.176	0.170	0.173	0.171	3.70
41)	T	C130	Bromodichlorome	0.353	0.370	0.376	0.369	0.377	0.369	2.60
42)	T	C145	cis-1,3-Dichlor	0.430	0.467	0.459	0.448	0.450	0.451	3.08
43)	I	CI20	Chlorobenzene-D	----------ISTD----------						
44)	S	CS05	Toluene-D8	2.001	2.252	2.463	2.229	2.000	2.189	8.91
45)	T	C230	Toluene	1.835	1.599	1.469	1.394	1.331	1.526	13.08
46)	T	C170	trans-1,3-Dichl	0.793	0.893	0.866	0.865	0.877	0.859	4.48
47)	T	C284	Ethyl Methacryl	0.674	0.746	0.737	0.739	0.760	0.731	4.57
48)	T	C160	1,1,2-Trichloro	0.397	0.421	0.393	0.389	0.396	0.399	3.13

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

Response Factor Report HP5973F

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:31:21 2008
Response via : Initial Calibration

Calibration Files
1 =F3508.D 2 =F3509.D 3 =F3510.D
4 =F3511.D 5 =F3512.D

		Compound		1	2	3	4	5	Avg	%RSD
49)	T	C210	4-Methyl-2-pent	0.634	0.629	0.618	0.573	0.584	0.608	4.53
50)	T	C220	Tetrachloroethe	0.655	0.685	0.632	0.599	0.563	0.627	7.56
51)	T	C221	1,3-Dichloropro	0.909	0.896	0.862	0.822	0.823	0.862	4.66
52)	T	C155	Dibromochlorome	0.482	0.536	0.541	0.553	0.582	0.539	6.77
53)	T	C163	1,2-Dibromoetha	0.496	0.510	0.504	0.493	0.509	0.502	1.54
54)	T	C215	2-Hexanone	0.437	0.454	0.446	0.417	0.435	0.438	3.17
55)	T	C235	Chlorobenzene	1.696	1.667	1.546	1.496	1.451	1.571	6.78
56)	T	C281	1,1,1,2-Tetrach	0.551	0.570	0.549	0.544	0.546	0.552	1.87
57)	T	C240	Ethylbenzene	2.999	3.037	2.755	2.664	2.478	2.787	8.40
58)	T	C246	m,p-Xylene	1.095	1.082	1.003	0.933	0.862	0.995	9.92
59)	T	C247	o-Xylene	1.073	1.094	1.000	0.945	0.883	0.999	8.80
60)	T	C245	Styrene	1.638	1.775	1.651	1.564	1.472	1.620	6.91
61)	T	C180	Bromoform	0.257	0.332	0.355	0.370	0.403	-----	
								L	M= 0.408	R^2=0.998
									B= -0.041	
62)	S	CS10	p-Bromofluorobe	0.791	0.733	0.801	0.726	0.670	0.744	7.16
63)	I	CI30	1,4-Dichloroben	----------	ISTD	----------				
64)	T	C966	Isopropylbenzen	2.835	2.920	2.728	2.621	2.439	2.709	6.95
65)	T	C301	Bromobenzene	0.721	0.740	0.715	0.686	0.655	0.703	4.70
66)	T	C225	1,1,2,2-Tetrach	0.643	0.678	0.665	0.645	0.649	0.656	2.32
67)	T	C282	1,2,3-Trichloro	0.206	0.225	0.210	0.203	0.210	0.211	3.96
68)	T	C283	t-1,4-Dichloro-	0.226	0.243	0.239	0.235	0.236	0.236	2.68
69)	T	C302	n-Propylbenzene	3.555	3.683	3.463	3.310	3.040	3.410	7.25
70)	T	C303	O 2-Chlorotolue	0.690	0.724	0.686	0.666	0.632	0.680	4.94
71)	T	C289	P 4-Chlorotolue	0.739	0.748	0.694	0.666	0.625	0.694	7.42
72)	T	C304	1,3,5-Trimethyl	2.455	2.514	2.375	2.264	2.094	2.340	7.12
73)	T	C306	tert-Butylbenze	0.516	0.555	0.528	0.501	0.468	0.514	6.30
74)	T	C307	1,2,4-Trimethyl	2.495	2.559	2.428	2.334	2.185	2.400	6.10
75)	T	C308	sec-Butylbenzen	2.916	2.990	2.843	2.734	2.505	2.798	6.76
76)	T	C260	1,3-Dichloroben	1.398	1.432	1.366	1.306	1.231	1.347	5.92
77)	T	C309	p-Cymene (4-Iso	2.703	2.809	2.680	2.540	2.329	2.612	7.08
78)	T	C267	1,4-Dichloroben	1.548	1.465	1.373	1.325	1.244	1.391	8.54
79)	T	C249	1,2-Dichloroben	1.392	1.361	1.300	1.219	1.143	1.283	7.98
80)	T	C310	n-Butylbenzene	2.583	2.621	2.542	2.377	2.133	2.451	8.19
81)	T	C286	1,2-Dibromo-3-C	0.114	0.131	0.144	0.141	0.162	0.138	12.69
82)	T	C313	1,2,4-Trichloro	1.160	1.148	1.093	1.025	0.958	1.077	7.90
83)	T	C316	Hexachlorobutad	0.667	0.632	0.599	0.559	0.528	0.597	9.32
84)	T	C314	Naphthalene	2.717	2.538	2.541	2.389	2.352	2.507	5.79
85)	T	C934	1,2,3-Trichloro	1.108	1.072	1.039	0.982	0.926	1.025	7.08

Total Average %RSD 5.39□□

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

Date: 08/01/2008
Time: 22:43:24

ICC Profile

Page: 1
Rept: AN0287R

ICC Profile Code: A00168 8260/5ML (30% RSD CCC/15% OTHER/ CCV 20% CCC)
Fraction: MV

No of Points: 5 Default Min. RRF: 0.0000
CCC Conc: 250.00

QC Approver: TRB
QC Date: 04/10/2008

Comments:

Seg		Parameter	ng On Column Point 1	Point 2	Point 3	Point 4	Point 5
10	74-87-3	Chloromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
20	74-83-9	Bromomethane	25.0000	100.0000	250.0000	500.0000	1000.0000
30	75-01-4	Vinyl chloride	25.0000	100.0000	250.0000	500.0000	1000.0000
35	74-97-5	Bromochloromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
40	75-00-3	Chloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
50	75-09-2	Methylene chloride	25.0000	100.0000	250.0000	500.0000	1000.0000
55	637-92-3	Ethyl-t-butyl ether (ETBE)	25.0000	100.0000	250.0000	500.0000	1000.0000
56	994-05-8	tert-Amyl Methyl Ether (TAME)	25.0000	100.0000	250.0000	500.0000	1000.0000
60	67-64-1	Acetone	125.0000	500.0000	1250.0000	2500.0000	5000.0000
70	75-15-0	Carbon Disulfide	25.0000	100.0000	250.0000	500.0000	1000.0000
80	75-35-4	1,1-Dichloroethene	25.0000	100.0000	250.0000	500.0000	1000.0000
90	75-34-3	1,1-Dichloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
97	544-10-5	1-Chlorohexane	25.0000	100.0000	250.0000	500.0000	1000.0000
98	156-59-2	cis-1,2-Dichloroethene	25.0000	100.0000	250.0000	500.0000	1000.0000
99	156-60-5	trans-1,2-Dichloroethene	25.0000	100.0000	250.0000	500.0000	1000.0000
100	545-06-2	Trichloroacetonitrile	25.0000	0.0000	0.0000	0.0000	0.0000
101	540-59-0	1,2-Dichloroethene (Total)	50.0000	200.0000	500.0000	1000.0000	2000.0000
102	77-73-6	Dicyclopentadiene	25.0000	100.0000	250.0000	500.0000	1000.0000
103	526-73-8	1,2,3-Trimethylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
105	106-99-0	1,3-Butadiene	25.0000	100.0000	250.0000	500.0000	1000.0000
108	104-76-7	2-Ethyl-1-hexanol	50.0000	500.0000	1250.0000	2500.0000	5000.0000
110	67-66-3	Chloroform	25.0000	100.0000	250.0000	500.0000	1000.0000
115	67-63-0	2-Propanol	500.0000	2000.0000	5000.0000	10000.0000	20000.0000
120	107-06-2	1,2-Dichloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
130	78-93-3	2-Butanone	125.0000	500.0000	1250.0000	2500.0000	5000.0000
140	71-55-6	1,1,1-Trichloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
150	56-23-5	Carbon Tetrachloride	25.0000	100.0000	250.0000	500.0000	1000.0000
151	628-63-7	n-Amyl Acetate	25.0000	100.0000	250.0000	500.0000	1000.0000
152	110-43-0	Methyl amyl ketone (2-Heptanon	25.0000	100.0000	250.0000	500.0000	1000.0000
160	108-05-4	Vinyl acetate	125.0000	500.0000	1250.0000	2500.0000	5000.0000
170	75-27-4	Bromodichloromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
180	78-87-5	1,2-Dichloropropane	25.0000	100.0000	250.0000	500.0000	1000.0000
190	10061-01-5	cis-1,3-Dichloropropene	25.0000	100.0000	250.0000	500.0000	1000.0000
200	79-01-6	Trichloroethene	25.0000	100.0000	250.0000	500.0000	1000.0000
210	124-48-1	Dibromochloromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
220	79-00-5	1,1,2-Trichloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
230	71-43-2	Benzene	25.0000	100.0000	250.0000	500.0000	1000.0000
240	10061-02-6	trans-1,3-Dichloropropene	25.0000	100.0000	250.0000	500.0000	1000.0000
250	75-25-2	Bromoform	25.0000	100.0000	250.0000	500.0000	1000.0000
260	108-10-1	4-Methyl-2-pentanone	125.0000	500.0000	1250.0000	2500.0000	5000.0000
270	591-78-6	2-Hexanone	125.0000	500.0000	1250.0000	2500.0000	5000.0000
280	127-18-4	Tetrachloroethene	25.0000	100.0000	250.0000	500.0000	1000.0000
290	79-34-5	1,1,2,2-Tetrachloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
300	108-88-3	Toluene	25.0000	100.0000	250.0000	500.0000	1000.0000
310	108-90-7	Chlorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
320	100-41-4	Ethylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
330	100-42-5	Styrene	25.0000	100.0000	250.0000	500.0000	1000.0000

Date: 08/01/2008 ICC Profile Page: 2
Time: 22:43:24 Rept: AN0287R

ICC Profile Code: A00168 8260/5ML (30% RSD CCC/15% OTHER/ CCV 20% CCC) (continued)

Seq		Parameter	ng On Column Point 1	Point 2	Point 3	Point 4	Point 5
340	1330-20-7	Total Xylenes	75.0000	300.0000	750.0000	1500.0000	3000.0000
350	2037-26-5	Toluene-D8	25.0000	100.0000	250.0000	500.0000	1000.0000
360	460-00-4	p-Bromofluorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
380	630-20-6	1,1,1,2-Tetrachloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
390	76-13-1	1,1,2-Trichloro-1,2,2-trifluor	25.0000	100.0000	250.0000	500.0000	1000.0000
400	563-58-6	1,1-Dichloropropene	25.0000	100.0000	250.0000	500.0000	1000.0000
410	534-15-6	1,1-Dimethoxyethane	125.0000	500.0000	1250.0000	2500.0000	5000.0000
420	87-61-6	1,2,3-Trichlorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
430	96-18-4	1,2,3-Trichloropropane	25.0000	100.0000	250.0000	500.0000	1000.0000
440	120-82-1	1,2,4-Trichlorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
450	95-63-6	1,2,4-Trimethylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
460	12/14DCLB	1,2-& 1,4-Dichlorobenzene	25.0000	0.0000	0.0000	0.0000	0.0000
470	96-12-8	1,2-Dibromo-3-chloropropane	25.0000	100.0000	250.0000	500.0000	1000.0000
480	106-93-4	1,2-Dibromoethane	25.0000	100.0000	250.0000	500.0000	1000.0000
490	95-50-1	1,2-Dichlorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
500	108-67-8	1,3,5-Trimethylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
510	541-73-1	1,3-Dichlorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
520	142-28-9	1,3-Dichloropropane	25.0000	100.0000	250.0000	500.0000	1000.0000
530	106-46-7	1,4-Dichlorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
540	110-56-5	1,4-Dichlorobutane	25.0000	100.0000	250.0000	500.0000	1000.0000
550	123-91-1	1,4-Dioxane	1000.0000	4000.0000	10000.0000	20000.0000	40000.0000
560	540-36-3	1,4-Difluorobenzene	250.0000	250.0000	250.0000	250.0000	250.0000
570	594-20-7	2,2-Dichloropropane	25.0000	100.0000	250.0000	500.0000	1000.0000
580	110-75-8	2-Chloroethylvinyl ether	125.0000	500.0000	1250.0000	2500.0000	5000.0000
590	95-49-8	o-Chlorotoluene	25.0000	100.0000	250.0000	500.0000	1000.0000
600	591-76-4	2-Methyl hexane	25.0000	100.0000	250.0000	500.0000	1000.0000
610	497-26-7	2-Methyl-1,3-Dioxolane	25.0000	100.0000	250.0000	500.0000	1000.0000
620	78-83-1	Isobutanol	1000.0000	4000.0000	10000.0000	20000.0000	40000.0000
630	534-22-5	2-Methylfuran	25.0000	100.0000	250.0000	500.0000	1000.0000
640	88-16-4	o-Monochlorobenzotrifluoride	25.0000	100.0000	250.0000	500.0000	1000.0000
650	79-46-9	2-Nitropropane	125.0000	500.0000	1250.0000	2500.0000	5000.0000
660	109-06-8	2-Picoline	25.0000	0.0000	0.0000	0.0000	0.0000
670	107-05-1	3-Chloropropene (Allyl Chlor.)	25.0000	100.0000	250.0000	500.0000	1000.0000
680	589-34-4	3-Methyl hexane	25.0000	100.0000	250.0000	500.0000	1000.0000
690	96-14-0	3-Methyl pentane	25.0000	100.0000	250.0000	500.0000	1000.0000
700	98-15-7	m-Monochlorobenzotrifluoride	25.0000	100.0000	250.0000	500.0000	1000.0000
710	99-87-6	p-Cymene	25.0000	100.0000	250.0000	500.0000	1000.0000
720	98-56-6	p-Monochlorobenzotrifluoride	25.0000	100.0000	250.0000	500.0000	1000.0000
730	75-05-8	Acetonitrile	1000.0000	4000.0000	10000.0000	20000.0000	40000.0000
740	107-02-8	Acrolein	500.0000	2000.0000	5000.0000	10000.0000	20000.0000
750	107-13-1	Acrylonitrile	125.0000	500.0000	1250.0000	2500.0000	5000.0000
770	108-86-1	Bromobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
790	71-36-3	n-Butyl alcohol	1000.0000	4000.0000	10000.0000	20000.0000	40000.0000
800	3114-55-4	Chlorobenzene-D5	250.0000	250.0000	250.0000	250.0000	250.0000
810	126-99-8	2-Chloro-1,3-butadiene	25.0000	100.0000	250.0000	500.0000	1000.0000
820	80-15-9	Cumene Hydroperoxide	25.0000	100.0000	250.0000	500.0000	1000.0000
830	110-82-7	Cyclohexane	25.0000	100.0000	250.0000	500.0000	1000.0000
840	108-94-1	Cyclohexanone	250.0000	1000.0000	2500.0000	5000.0000	10000.0000
850	74-95-3	Dibromomethane	25.0000	100.0000	250.0000	500.0000	1000.0000
860	75-71-8	Dichlorodifluoromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
870	75-43-4	Dichlorofluoromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
880	106-89-8	Epichlorohydrin	125.0000	500.0000	1250.0000	2500.0000	5000.0000

Date: 08/01/2008 ICC Profile Page: 3
Time: 22:43:24 Rept: AN0287R

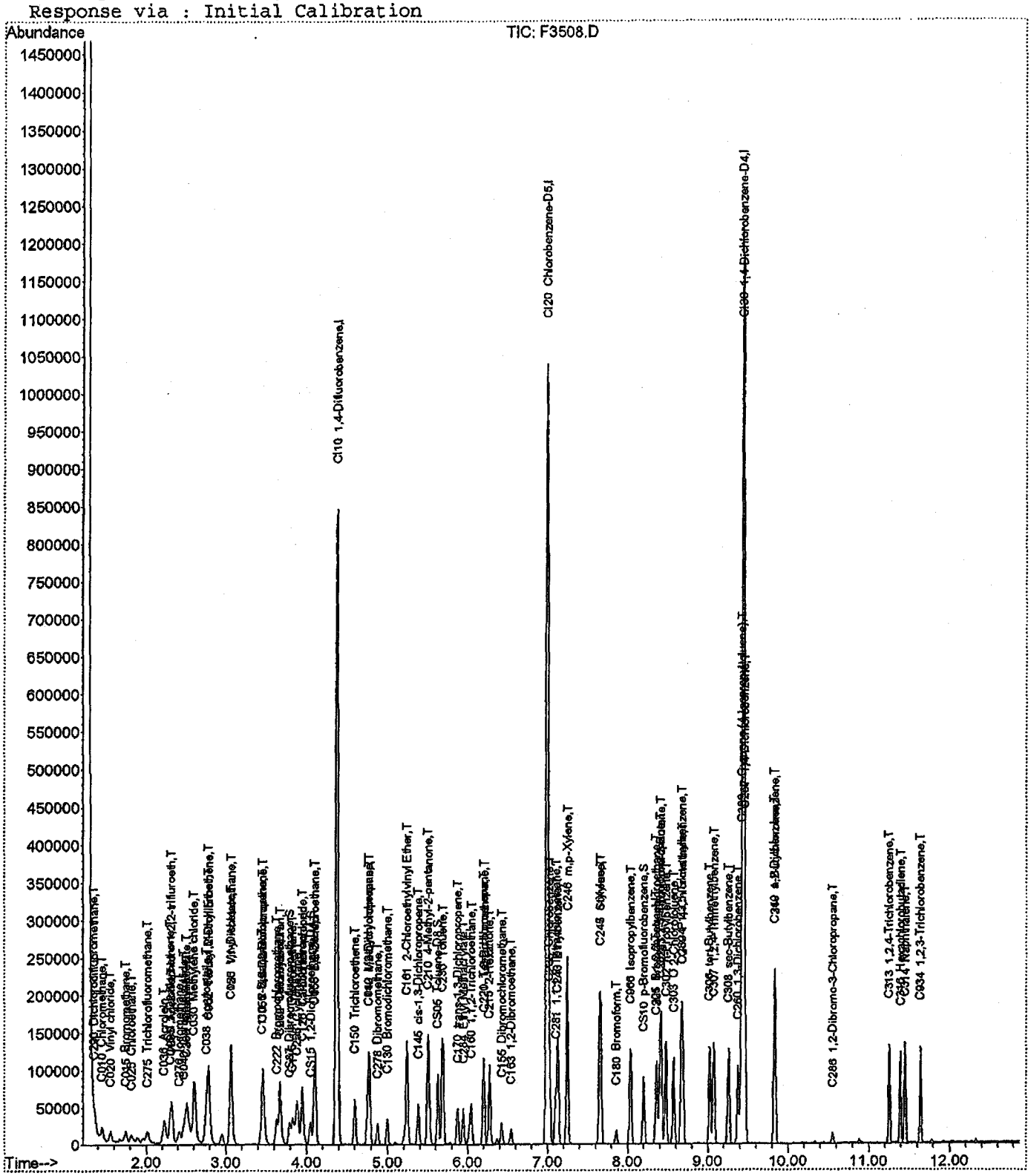
ICC Profile Code: A00168 8260/5ML (30% RSD CCC/15% OTHER/ CCV 20% CCC) (continued)

Seq		Parameter	ng On Column Point 1	Point 2	Point 3	Point 4	Point 5
890	64-17-5	Ethanol	25.0000	100.0000	250.0000	500.0000	1000.0000
900	141-78-6	Ethyl acetate	25.0000	100.0000	250.0000	500.0000	1000.0000
901	126-98-7	Methacrylonitrile	25.0000	100.0000	250.0000	500.0000	1000.0000
902	79-20-9	Methyl acetate	25.0000	100.0000	250.0000	500.0000	1000.0000
903	96-37-7	Methyl cyclopentane	25.0000	100.0000	250.0000	500.0000	1000.0000
904	74-88-4	Iodomethane	25.0000	100.0000	250.0000	500.0000	1000.0000
905	80-62-6	Methyl methacrylate	25.0000	100.0000	250.0000	500.0000	1000.0000
906	91-20-3	Naphthalene	25.0000	100.0000	250.0000	500.0000	1000.0000
907	95-47-6	o-Xylene	25.0000	100.0000	250.0000	500.0000	1000.0000
908	76-01-7	Pentachloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
909	107-12-0	Propionitrile	250.0000	1000.0000	2500.0000	5000.0000	10000.0000
910	140-88-5	Ethyl acrylate	25.0000	100.0000	250.0000	500.0000	1000.0000
911	75-56-9	Propylene Oxide	125.0000	500.0000	1250.0000	2500.0000	5000.0000
912	110-86-1	Pyridine	25.0000	0.0000	0.0000	0.0000	0.0000
913	109-99-9	Tetrahydrofuran	125.0000	500.0000	1250.0000	2500.0000	5000.0000
914	110-01-0	Tetrahydrothiophene	25.0000	100.0000	250.0000	500.0000	1000.0000
915	75-69-4	Trichlorofluoromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
917	108-41-8	m-Chlorotoluene	25.0000	100.0000	250.0000	500.0000	1000.0000
918	123-86-4	n-Butyl acetate	25.0000	100.0000	250.0000	500.0000	1000.0000
919	104-51-8	n-Butylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
920	60-29-7	Ethyl ether	25.0000	100.0000	250.0000	500.0000	1000.0000
921	142-82-5	Heptane	25.0000	100.0000	250.0000	500.0000	1000.0000
922	110-54-3	Hexane	25.0000	100.0000	250.0000	500.0000	1000.0000
923	109-60-4	n-Propyl acetate	25.0000	100.0000	250.0000	500.0000	1000.0000
924	103-65-1	n-Propylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
925	O,M CLTOL	o,m-Chlorotoluene	25.0000	0.0000	0.0000	0.0000	0.0000
926	106-43-4	p-Chlorotoluene	25.0000	100.0000	250.0000	500.0000	1000.0000
927	135-98-8	sec-Butylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
928	75-65-0	tert-Butyl Alcohol (TBA)	500.0000	2000.0000	5000.0000	10000.0000	20000.0000
929	1634-04-4	Methyl-t-Butyl Ether (MTBE)	25.0000	100.0000	250.0000	500.0000	1000.0000
930	97-63-2	Ethyl methacrylate	25.0000	100.0000	250.0000	500.0000	1000.0000
931	98-06-6	tert-Butylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
933	110-57-6	trans-1,4-Dichloro-2-butene	125.0000	500.0000	1250.0000	2500.0000	5000.0000
934	108-38-3	m-Xylene	25.0000	100.0000	250.0000	500.0000	1000.0000
935	106-42-3	p-Xylene	25.0000	100.0000	250.0000	500.0000	1000.0000
940	87-68-3	Hexachlorobutadiene	25.0000	100.0000	250.0000	500.0000	1000.0000
950	110-19-0	Isobutyl acetate	25.0000	100.0000	250.0000	500.0000	1000.0000
960	108-20-3	Isopropyl Ether (DIPE)	25.0000	100.0000	250.0000	500.0000	1000.0000
970	108-21-4	Isopropyl acetate	25.0000	100.0000	250.0000	500.0000	1000.0000
980	98-82-8	Isopropylbenzene	25.0000	100.0000	250.0000	500.0000	1000.0000
985	67-72-1	Hexachloroethane	25.0000	100.0000	250.0000	500.0000	1000.0000
990	M/P XYLENE	m/p-Xylenes	50.0000	200.0000	500.0000	1000.0000	2000.0000
991	108-87-2	Methylcyclohexane	25.0000	100.0000	250.0000	500.0000	1000.0000
994	75-45-6	Chlorodifluoromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
995	542-88-1	Bis(Chloromethyl) Ether (TIC)	25.0000	100.0000	250.0000	500.0000	1000.0000
996	363-72-4	Pentafluorobenzene	250.0000	250.0000	250.0000	250.0000	250.0000
997	SU106-46-7	1,4-Dichlorobenzene-D4	250.0000	250.0000	250.0000	250.0000	250.0000
998	SURRDFM	Dibromofluoromethane	25.0000	100.0000	250.0000	500.0000	1000.0000
999	SU107-06-2	1,2-Dichloroethane-D4	25.0000	100.0000	250.0000	500.0000	1000.0000
***			25.0000	100.0000	250.0000	500.0000	1000.0000
***	108-70-3	1,3,5-Trichlorobenzene	25.0000	100.0000	250.0000	500.0000	1000.0000

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\080108\F3508.D Vial: 2
Acq On : 1 Aug 2008 20:10 Operator: CDC
Sample : VSTD005 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 1 22:27 2008 Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3508.D Vial: 2
Acq On : 1 Aug 2008 20:10 Operator: CDC
Sample : VSTD005 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 01 22:26:23 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080108\F3510.D (1 Aug 2008 21:02)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	715824	250.00	ng		0.00 103.18%
43) CI20	Chlorobenzene-D5	6.99	82	353332	250.00	ng		0.00 101.72%
63) CI30	1,4-Dichlorobenzene-	9.44	152	332649	250.00	ng		0.00 102.14%
System Monitoring Compounds								
27) CS87	Dibromofluoromethane	3.79	111	18333	22.98	ng		0.00
Spiked Amount	250.000	Range	70 - 130	Recovery =	9.19%#			
32) CS15	1,2-Dichloroethane-D	4.05	65	25415	23.77	ng		0.00
Spiked Amount	250.000	Range	64 - 126	Recovery =	9.51%#			
44) CS05	Toluene-D8	5.63	98	70687	22.85	ng		0.00
Spiked Amount	250.000	Range	71 - 125	Recovery =	9.14%#			
62) CS10	p-Bromofluorobenzene	8.20	174	27954	26.57	ng		0.00
Spiked Amount	250.000	Range	72 - 126	Recovery =	10.63%#			
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.36	85	16502	26.15	ng		95
3) C010	Chloromethane	1.45	50	20935	26.12	ng		93
4) C020	Vinyl chloride	1.56	62	17573	24.95	ng		90
5) C015	Bromomethane	1.75	94	9867	24.58	ng		97
6) C025	Chloroethane	1.81	64	9763	27.14	ng		84
7) C275	Trichlorofluorometha	2.02	101	23266m	24.85	ng		77
8) C291	1,1,2-Trichloro-1,2,	2.32	101	13408	25.62	ng		96
9) C045	1,1-Dichloroethene	2.30	96	13673	26.33	ng		92
10) C030	Methylene chloride	2.60	84	46653	40.98	ng		87
11) C040	Carbon disulfide	2.47	76	47625	25.34	ng		95
12) C036	Acrolein	2.23	56	40250	482.16	ng		95
13) C038	Acrylonitrile	2.75	53	42529	129.56	ng		99
14) C035	Acetone	2.31	43	30394	139.23	ng		83
15) C300	Acetonitrile	2.50	41	95945	1004.93	ng		100
16) C276	Iodomethane	2.42	142	26219	25.50	ng		95
17) C255	Methyl Acetate	2.51	43	34355	26.03	ng	#	87
18) C962	T-butyl Methyl Ether	2.78	73	62840	25.76	ng		91
19) C057	trans-1,2-Dichloroet	2.78	96	21147	25.55	ng		89
20) C050	1,1-Dichloroethane	3.06	63	37061	25.28	ng		97
21) C125	Vinyl Acetate	3.07	43	186654	131.09	ng		98
22) C051	2,2-Dichloropropane	3.46	77	32035	25.81	ng		97
23) C056	cis-1,2-Dichloroethe	3.46	96	23140	25.80	ng		99
24) C272	Tetrahydrofuran	3.67	42	33944	126.14	ng		91
25) C222	Bromochloromethane	3.63	128	10722	24.73	ng		94
26) C060	Chloroform	3.68	83	38025	25.99	ng		95
28) C256	Cyclohexane	3.88	56	39628	27.23	ng	#	100
29) C115	1,1,1-Trichloroethan	3.83	97	30539	23.55	ng		98
30) C120	Carbon tetrachloride	3.96	117	25075	24.21	ng		97
31) C116	1,1-Dichloropropene	3.95	75	27360	25.64	ng		92

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3508.D Vial: 2
Acq On : 1 Aug 2008 20:10 Operator: CDC
Sample : VSTD005 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 01 22:26:23 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.10	78	81506	26.38	ng		95
34)	C065	1,2-Dichloroethane	4.10	62	33326	25.75	ng		89
35)	C110	2-Butanone	3.44	43	53771	128.62	ng		82
36)	C150	Trichloroethene	4.60	95	22792	26.73	ng		93
37)	C161	2-Chloroethylvinyl E	5.24	63	63584	129.93	ng		86
38)	C012	Methylcyclohexane	4.77	83	35489	26.70	ng		86
39)	C140	1,2-Dichloropropane	4.78	63	20864	25.50	ng		100
40)	C278	Dibromomethane	4.88	93	11453	23.43	ng		99
41)	C130	Bromodichloromethane	5.00	83	25280	23.91	ng		97
42)	C145	cis-1,3-Dichloroprop	5.38	75	30783	23.85	ng		99
45)	C230	Toluene	5.68	92	64840	30.07	ng		91
46)	C170	trans-1,3-Dichloropr	5.87	75	28017	23.08	ng		95
47)	C284	Ethyl Methacrylate	5.95	69	23802	23.03	ng		93
48)	C160	1,1,2-Trichloroethan	6.04	83	14042	24.88	ng		90
49)	C210	4-Methyl-2-pentanone	5.50	43	112054	130.48	ng		92
50)	C220	Tetrachloroethene	6.20	166	23149	26.13	ng		96
51)	C221	1,3-Dichloropropane	6.21	76	32104	26.34	ng		88
52)	C155	Dibromochloromethane	6.43	129	17032	22.36	ng		94
53)	C163	1,2-Dibromoethane	6.54	107	17527	24.68	ng		94
54)	C215	2-Hexanone	6.27	43	77167	124.72	ng		92
55)	C235	Chlorobenzene	7.03	112	59910	26.98	ng		96
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	19461	24.95	ng		85
57)	C240	Ethylbenzene	7.13	91	105949	26.90	ng		96
58)	C246	m,p-Xylene	7.25	106	77361	55.01	ng		92
59)	C247	o-Xylene	7.65	106	37927	26.86	ng	#	78
60)	C245	Styrene	7.67	104	57889	25.28	ng		98
61)	C180	Bromoform	7.86	173	9071	18.70	ng		64
64)	C966	Isopropylbenzene	8.04	105	94310	26.17	ng		99
65)	C301	Bromobenzene	8.37	156	23969	25.62	ng		95
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	21401	24.52	ng		98
67)	C282	1,2,3-Trichloropropa	8.40	110	6861	24.47	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	37583	119.78	ng		92
69)	C302	n-Propylbenzene	8.48	91	118248	26.06	ng		92
70)	C303	O 2-Chlorotoluene	8.57	126	22958	25.38	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	24589	26.62	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	81662	26.23	ng		79
73)	C306	tert-Butylbenzene	9.02	134	17174	25.12	ng	#	90
74)	C307	1,2,4-Trimethylbenze	9.08	105	83003	25.99	ng		88
75)	C308	sec-Butylbenzene	9.26	105	96984	26.05	ng		93
76)	C260	1,3-Dichlorobenzene	9.38	146	46517	25.96	ng		99
77)	C309	p-Cymene (4-Isopropy	9.42	119	89919	25.87	ng		97
78)	C267	1,4-Dichlorobenzene	9.47	146	51491	27.82	ng		93
79)	C249	1,2-Dichlorobenzene	9.84	146	46310	27.12	ng		95
80)	C310	n-Butylbenzene	9.83	91	85930	26.34	ng		96
81)	C286	1,2-Dibromo-3-Chloro	10.55	75	3799	20.65	ng		84
82)	C313	1,2,4-Trichlorobenze	11.26	180	38578	26.93	ng		96
83)	C316	Hexachlorobutadiene	11.40	225	22204	27.94	ng		90
84)	C314	Naphthalene	11.45	128	90394	27.09	ng		94
85)	C934	1,2,3-Trichlorobenze	11.64	180	36853	27.01	ng		95

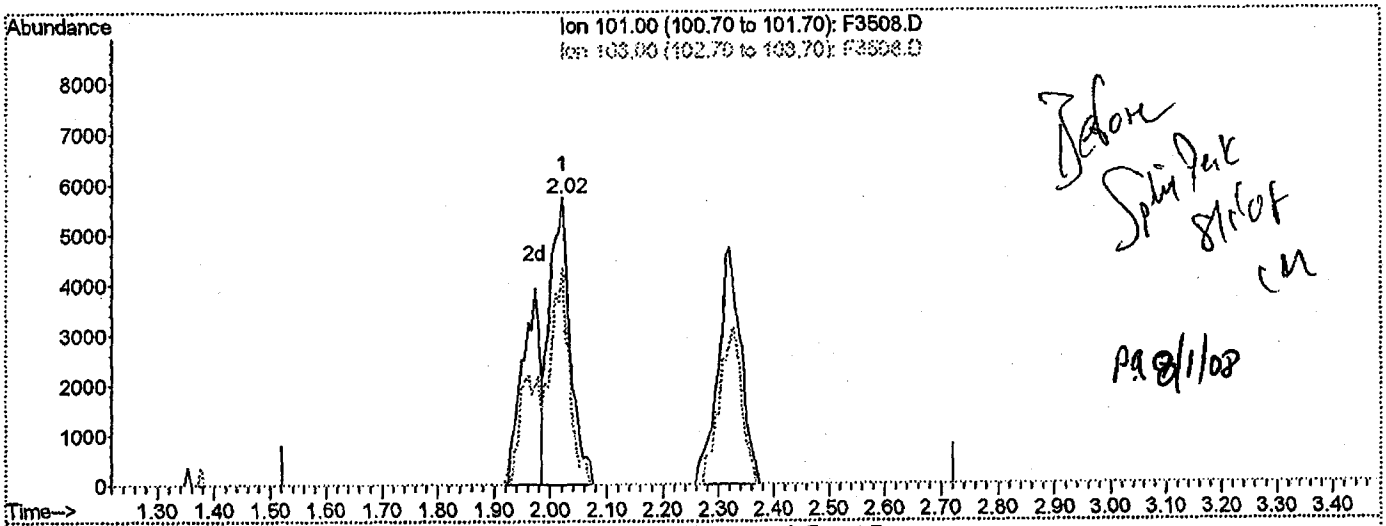
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

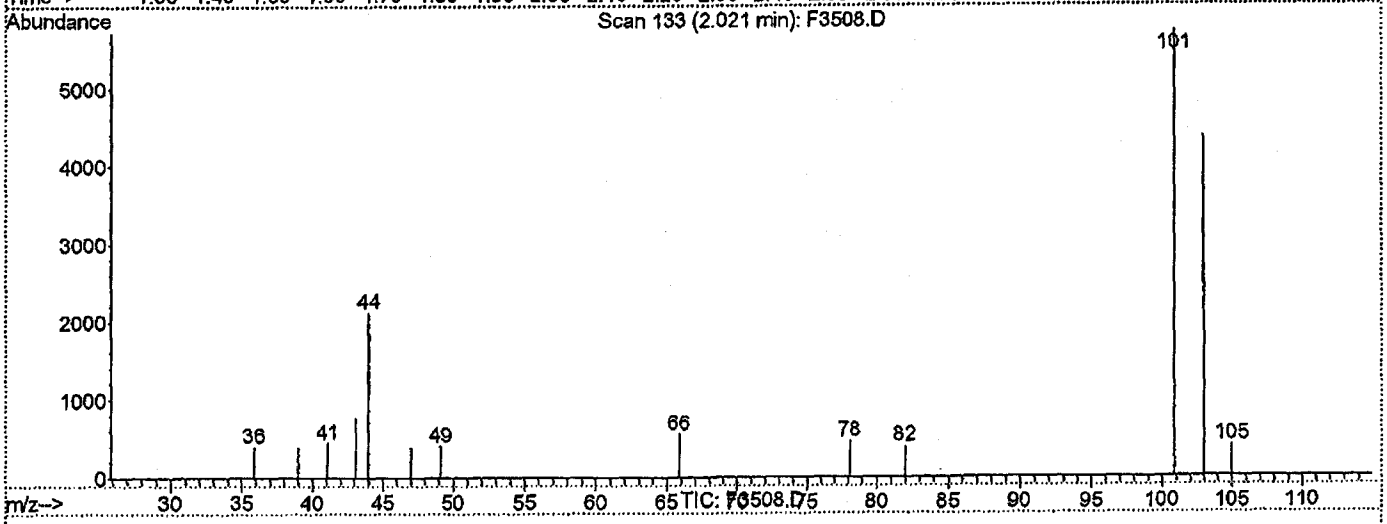
Data File : H:\GCMS_VOA\F\080108\F3508.D
Acq On : 1 Aug 2008 20:10
Sample : VSTD005
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 1 22:26 2008

Vial: 2
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Multiple Level Calibration



Before Split Peak 8/1/08 CM



(7) C275 Trichlorofluoromethane (T)

2.02min 15.40ng

response 14418

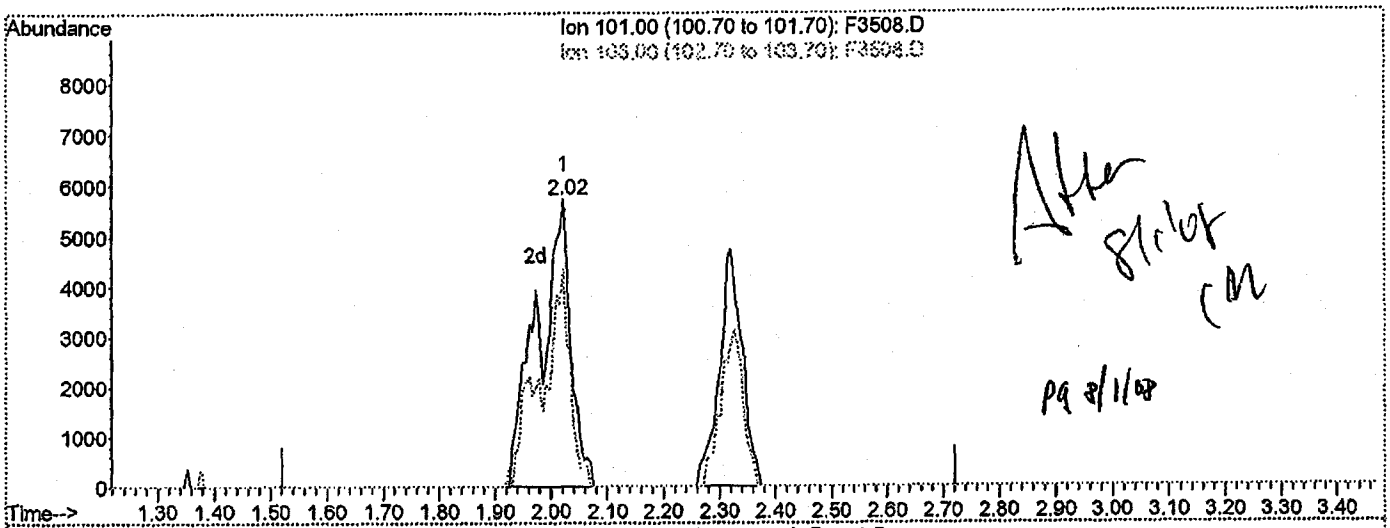
Ion	Exp%	Act%
101.00	100	100
103.00	58.90	75.90
0.00	0.00	0.00
0.00	0.00	0.00

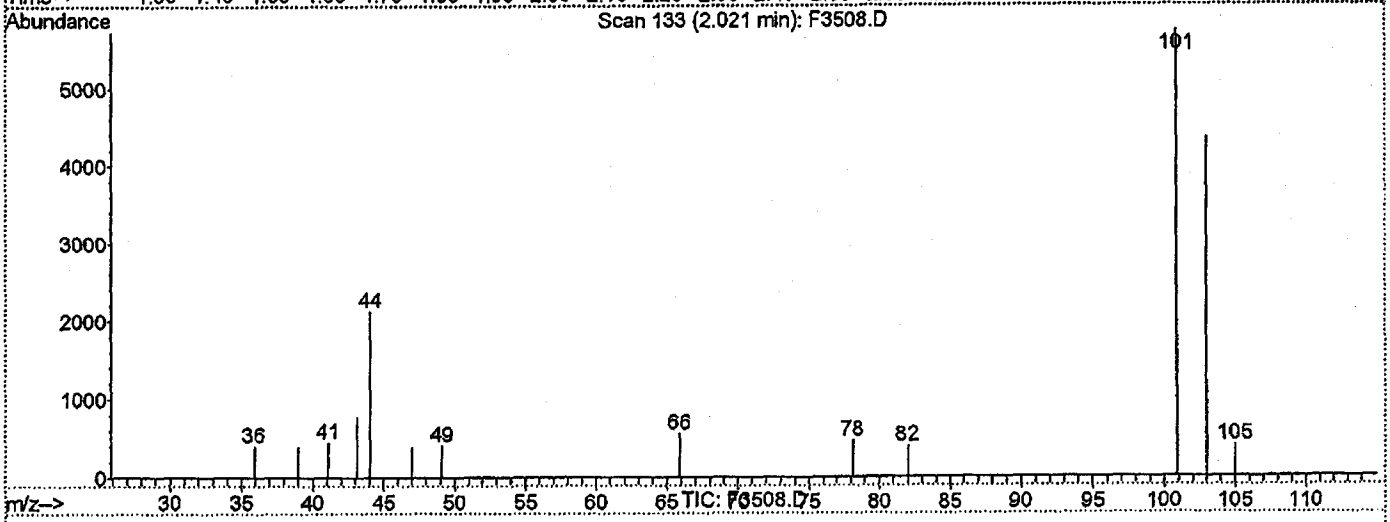
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\080108\F3508.D
Acq On : 1 Aug 2008 20:10
Sample : VSTD005
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 1 22:27 2008

Vial: 2
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

2.02min 24.85ng m

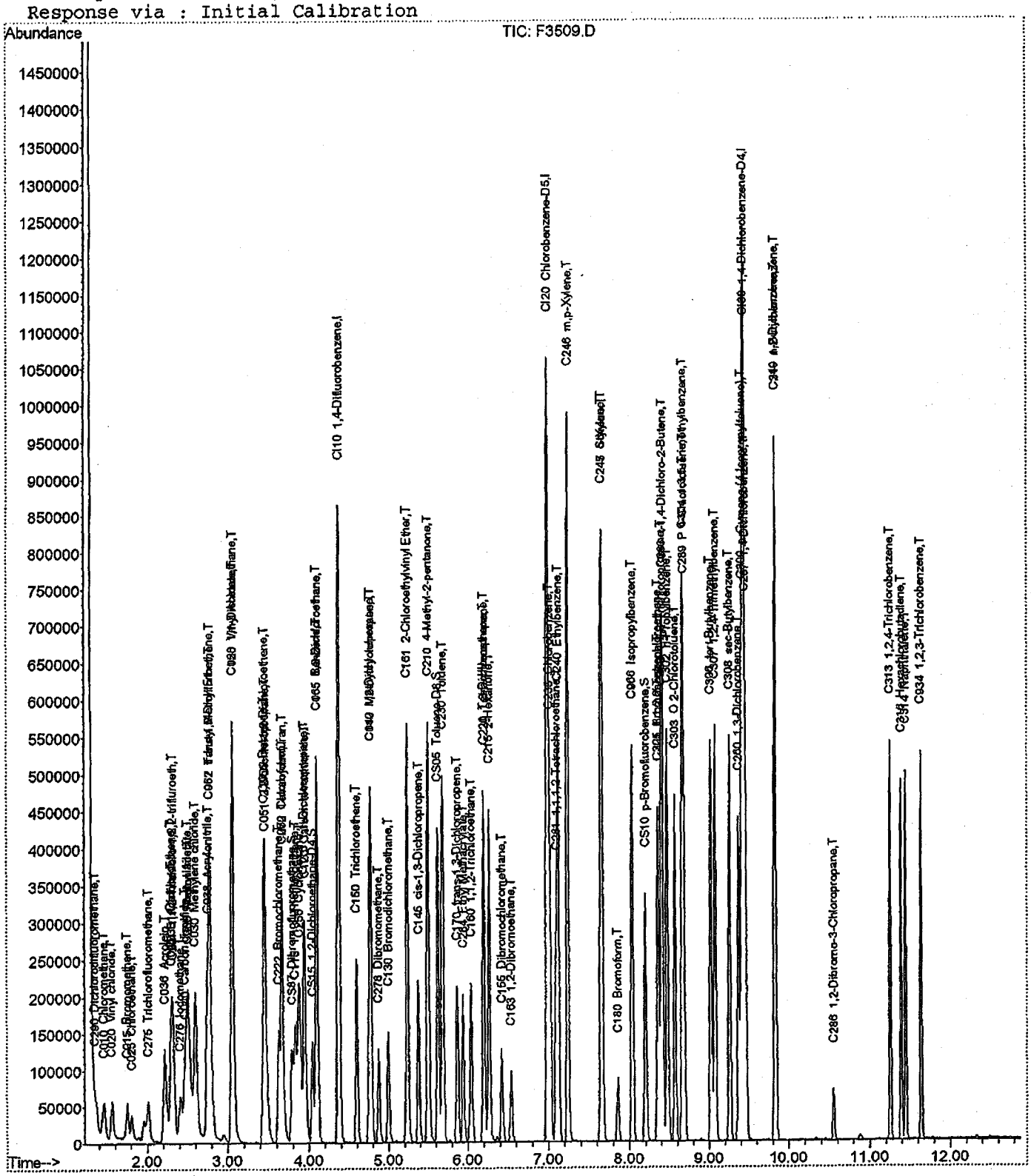
response 23266

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	75.90
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\080108\F3509.D Vial: 3
Acq On : 1 Aug 2008 20:36 Operator: CDC
Sample : VSTD020 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 1 22:26 2008 Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3509.D Vial: 3
Acq On : 1 Aug 2008 20:36 Operator: CDC
Sample : VSTD020 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 01 22:26:34 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080108\F3510.D (1 Aug 2008 21:02)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.37	114	707797	250.00	ng	0.00 102.02%
43) CI20	Chlorobenzene-D5	6.99	82	344348	250.00	ng	0.00 99.14%
63) CI30	1,4-Dichlorobenzene-	9.44	152	328407	250.00	ng	0.00 100.84%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.79	111	79035	100.20	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery =	40.08%#		
32) CS15	1,2-Dichloroethane-D	4.05	65	109359	103.44	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery =	41.38%#		
44) CS05	Toluene-D8	5.62	98	310134	102.87	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery =	41.15%#		
62) CS10	p-Bromofluorobenzene	8.20	174	101026	98.55	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery =	39.42%#		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.35	85	64220	102.94	ng	90
3) C010	Chloromethane	1.46	50	79265	100.00	ng	91
4) C020	Vinyl chloride	1.56	62	72212	103.70	ng	94
5) C015	Bromomethane	1.75	94	40851	102.93	ng	100
6) C025	Chloroethane	1.81	64	36142	101.61	ng	96
7) C275	Trichlorofluorometha	2.02	101	94377	101.94	ng	82
8) C291	1,1,2-Trichloro-1,2,	2.33	101	48842	94.39	ng	95
9) C045	1,1-Dichloroethene	2.30	96	49151	95.73	ng	# 74
10) C030	Methylene chloride	2.60	84	109234	97.04	ng	84
11) C040	Carbon disulfide	2.47	76	179944	96.84	ng	98
12) C036	Acrolein	2.22	56	165145	2000.74	ng	99
13) C038	Acrylonitrile	2.75	53	162495	500.64	ng	99
14) C035	Acetone	2.31	43	100359	464.94	ng	92
15) C300	Acetonitrile	2.50	41	368575	3904.25	ng	100
16) C276	Iodomethane	2.42	142	102960	101.28	ng	92
17) C255	Methyl Acetate	2.51	43	126932	97.27	ng	91
18) C962	T-butyl Methyl Ether	2.78	73	240131	99.55	ng	89
19) C057	trans-1,2-Dichloroet	2.78	96	87533	106.94	ng	93
20) C050	1,1-Dichloroethane	3.06	63	157428	108.59	ng	95
21) C125	Vinyl Acetate	3.06	43	734626	521.80	ng	98
22) C051	2,2-Dichloropropane	3.47	77	128279	104.53	ng	98
23) C056	cis-1,2-Dichloroethe	3.46	96	95002	107.14	ng	98
24) C272	Tetrahydrofuran	3.66	42	132648	498.55	ng	98
25) C222	Bromochloromethane	3.63	128	44812	104.55	ng	98
26) C060	Chloroform	3.68	83	151570	104.76	ng	96
28) C256	Cyclohexane	3.88	56	147298	102.37	ng	# 100
29) C115	1,1,1-Trichloroethan	3.83	97	136363	106.35	ng	98
30) C120	Carbon tetrachloride	3.96	117	103483	101.05	ng	98
31) C116	1,1-Dichloropropene	3.94	75	111378	105.55	ng	92

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3509.D
Acq On : 1 Aug 2008 20:36
Sample : VSTD020
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 01 22:26:34 2008

Vial: 3
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA

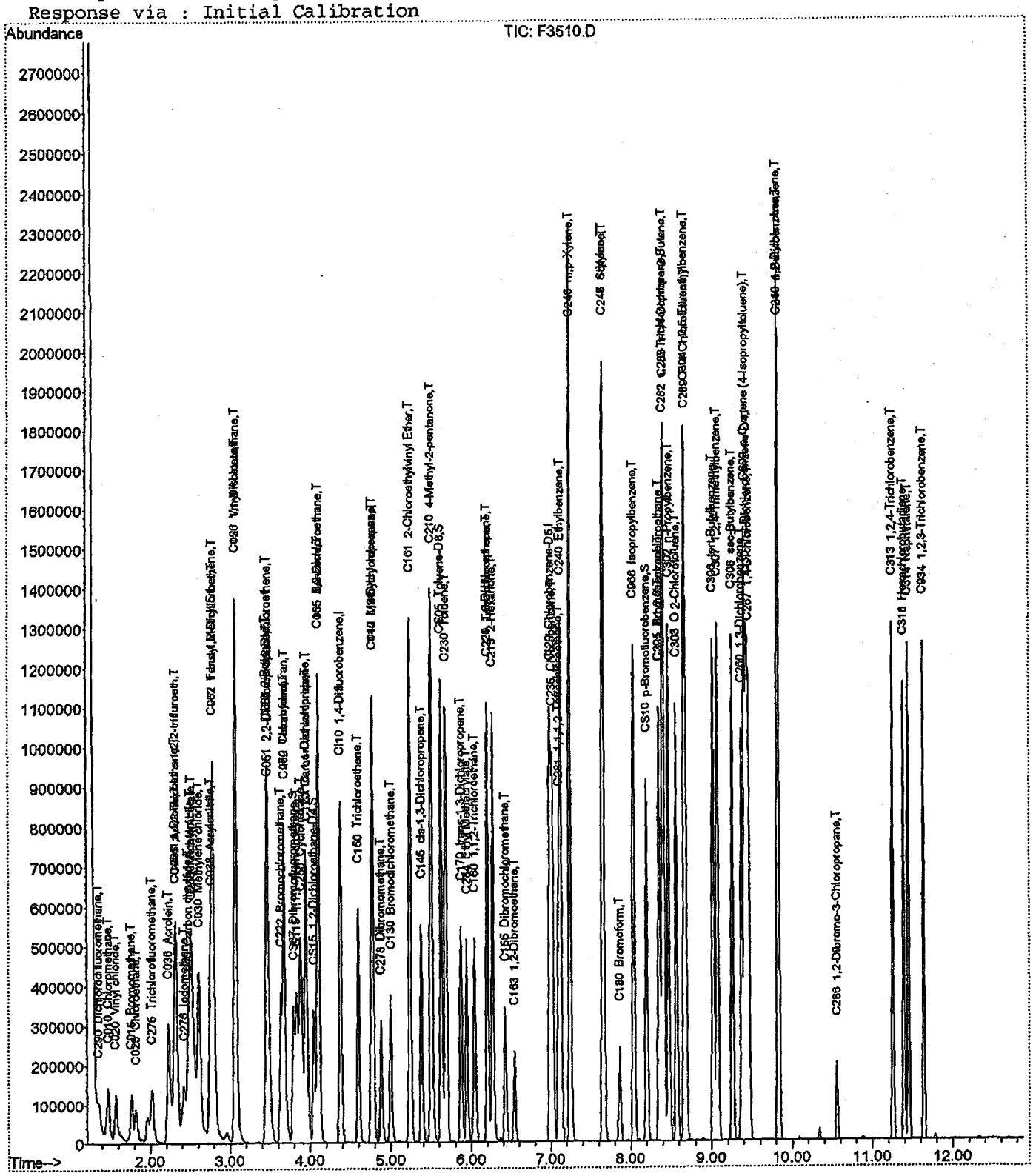
	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.10	78	327379	107.15	ng		95
34)	C065	1,2-Dichloroethane	4.10	62	131426	102.70	ng		90
35)	C110	2-Butanone	3.45	43	207738	502.54	ng		84
36)	C150	Trichloroethene	4.59	95	86217	102.25	ng		96
37)	C161	2-Chloroethylvinyl E	5.23	63	250545	517.80	ng		80
38)	C012	Methylcyclohexane	4.77	83	137804	104.85	ng	#	78
39)	C140	1,2-Dichloropropane	4.78	63	83507	103.23	ng		100
40)	C278	Dibromomethane	4.88	93	49169	101.75	ng		99
41)	C130	Bromodichloromethane	5.00	83	104859	100.31	ng		98
42)	C145	cis-1,3-Dichloroprop	5.38	75	132257	103.62	ng		93
45)	C230	Toluene	5.68	92	220192	104.78	ng		88
46)	C170	trans-1,3-Dichloropr	5.87	75	123020	104.00	ng		97
47)	C284	Ethyl Methacrylate	5.95	69	102710	101.98	ng		94
48)	C160	1,1,2-Trichloroethan	6.04	83	57975	105.40	ng		90
49)	C210	4-Methyl-2-pentanone	5.50	43	433309	517.72	ng		92
50)	C220	Tetrachloroethene	6.19	166	94347	109.26	ng		95
51)	C221	1,3-Dichloropropane	6.21	76	123435	103.92	ng		93
52)	C155	Dibromochloromethane	6.43	129	73856	99.49	ng		90
53)	C163	1,2-Dibromoethane	6.54	107	70282	101.55	ng		92
54)	C215	2-Hexanone	6.27	43	312543	518.34	ng		94
55)	C235	Chlorobenzene	7.02	112	229554	106.08	ng		95
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	78496	103.24	ng		98
57)	C240	Ethylbenzene	7.13	91	418368	109.00	ng		99
58)	C246	m,p-Xylene	7.25	106	297979	217.43	ng		85
59)	C247	o-Xylene	7.65	106	150729	109.53	ng	#	76
60)	C245	Styrene	7.67	104	244427	109.53	ng		95
61)	C180	Bromoform	7.86	173	45766	96.78	ng		80
64)	C966	Isopropylbenzene	8.04	105	383618	107.81	ng		93
65)	C301	Bromobenzene	8.36	156	97157	105.19	ng		98
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	89107	103.39	ng		93
67)	C282	1,2,3-Trichloropropa	8.40	110	29513	106.61	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	159421	514.66	ng		93
69)	C302	n-Propylbenzene	8.48	91	483778	107.99	ng		93
70)	C303	O 2-Chlorotoluene	8.57	126	95073	106.46	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	98285	107.76	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	330221	107.42	ng		83
73)	C306	tert-Butylbenzene	9.02	134	72953	108.10	ng	#	81
74)	C307	1,2,4-Trimethylbenze	9.08	105	336107	106.60	ng		90
75)	C308	sec-Butylbenzene	9.26	105	392816	106.89	ng		93
76)	C260	1,3-Dichlorobenzene	9.38	146	188108	106.33	ng		94
77)	C309	p-Cymene (4-Isopropy	9.42	119	368943	107.52	ng		96
78)	C267	1,4-Dichlorobenzene	9.47	146	192427	105.32	ng		95
79)	C249	1,2-Dichlorobenzene	9.84	146	178843	106.09	ng		100
80)	C310	n-Butylbenzene	9.83	91	344344	106.93	ng		100
81)	C286	1,2-Dibromo-3-Chloro	10.56	75	17171	94.55	ng		95
82)	C313	1,2,4-Trichlorobenze	11.26	180	150749	106.58	ng		97
83)	C316	Hexachlorobutadiene	11.40	225	83070	105.88	ng		95
84)	C314	Naphthalene	11.45	128	333349	101.20	ng		99
85)	C934	1,2,3-Trichlorobenze	11.64	180	140878	104.59	ng		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\080108\F3510.D Vial: 4
Acq On : 1 Aug 2008 21:02 Operator: CDC
Sample : VSTD050 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 1 22:26 2008 Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3510.D
Acq On : 1 Aug 2008 21:02
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 01 22:26:43 2008

Vial: 4
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080108\F3510.D (1 Aug 2008 21:02)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	693761	250.00	ng	0.00 100.00%
43) CI20	Chlorobenzene-D5	6.99	82	347343	250.00	ng	0.00 100.00%
63) CI30	1,4-Dichlorobenzene-	9.44	152	325687	250.00	ng	0.00 100.00%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.80	111	208694	269.92	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	107.97%	
32) CS15	1,2-Dichloroethane-D	4.05	65	270667	261.19	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	104.48%	
44) CS05	Toluene-D8	5.62	98	855571	281.34	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	112.54%	
62) CS10	p-Bromofluorobenzene	8.20	174	278105	268.94	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	107.58%	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	1.36	85	156389	255.75	ng	97
3) C010	Chloromethane	1.48	50	199364	256.62	ng	96
4) C020	Vinyl chloride	1.57	62	176798	259.02	ng	97
5) C015	Bromomethane	1.77	94	98605	253.47	ng	90
6) C025	Chloroethane	1.82	64	87088	249.80	ng	94
7) C275	Trichlorofluorometha	2.02	101	235375	259.38	ng	96
8) C291	1,1,2-Trichloro-1,2,	2.33	101	133588	263.40	ng	96
9) C045	1,1-Dichloroethene	2.31	96	134897	268.05	ng	# 69
10) C030	Methylene chloride	2.61	84	237115	214.91	ng	88
11) C040	Carbon disulfide	2.47	76	480417	263.78	ng	95
12) C036	Acrolein	2.23	56	421179	5205.85	ng	97
13) C038	Acrylonitrile	2.75	53	400071	1257.54	ng	97
14) C035	Acetone	2.32	43	275378	1301.58	ng	91
15) C300	Acetonitrile	2.50	41	949967	10266.43	ng	100
16) C276	Iodomethane	2.42	142	247029	247.92	ng	88
17) C255	Methyl Acetate	2.53	43	320857	250.85	ng	92
18) C962	T-butyl Methyl Ether	2.79	73	598792	253.25	ng	91
19) C057	trans-1,2-Dichloroet	2.79	96	204701	255.15	ng	88
20) C050	1,1-Dichloroethane	3.06	63	361900	254.67	ng	97
21) C125	Vinyl Acetate	3.07	43	1781524	1291.00	ng	98
22) C051	2,2-Dichloropropane	3.48	77	301714	250.82	ng	95
23) C056	cis-1,2-Dichloroethe	3.46	96	219293	252.32	ng	99
24) C272	Tetrahydrofuran	3.67	42	332915	1276.55	ng	97
25) C222	Bromochloromethane	3.63	128	107347	255.51	ng	89
26) C060	Chloroform	3.68	83	354354	249.88	ng	98
28) C256	Cyclohexane	3.89	56	349241	247.63	ng	# 100
29) C115	1,1,1-Trichloroethan	3.83	97	321825	256.06	ng	97
30) C120	Carbon tetrachloride	3.96	117	257941	256.96	ng	96
31) C116	1,1-Dichloropropene	3.95	75	262751	254.04	ng	91

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3510.D
Acq On : 1 Aug 2008 21:02
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 01 22:26:43 2008

Vial: 4
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA

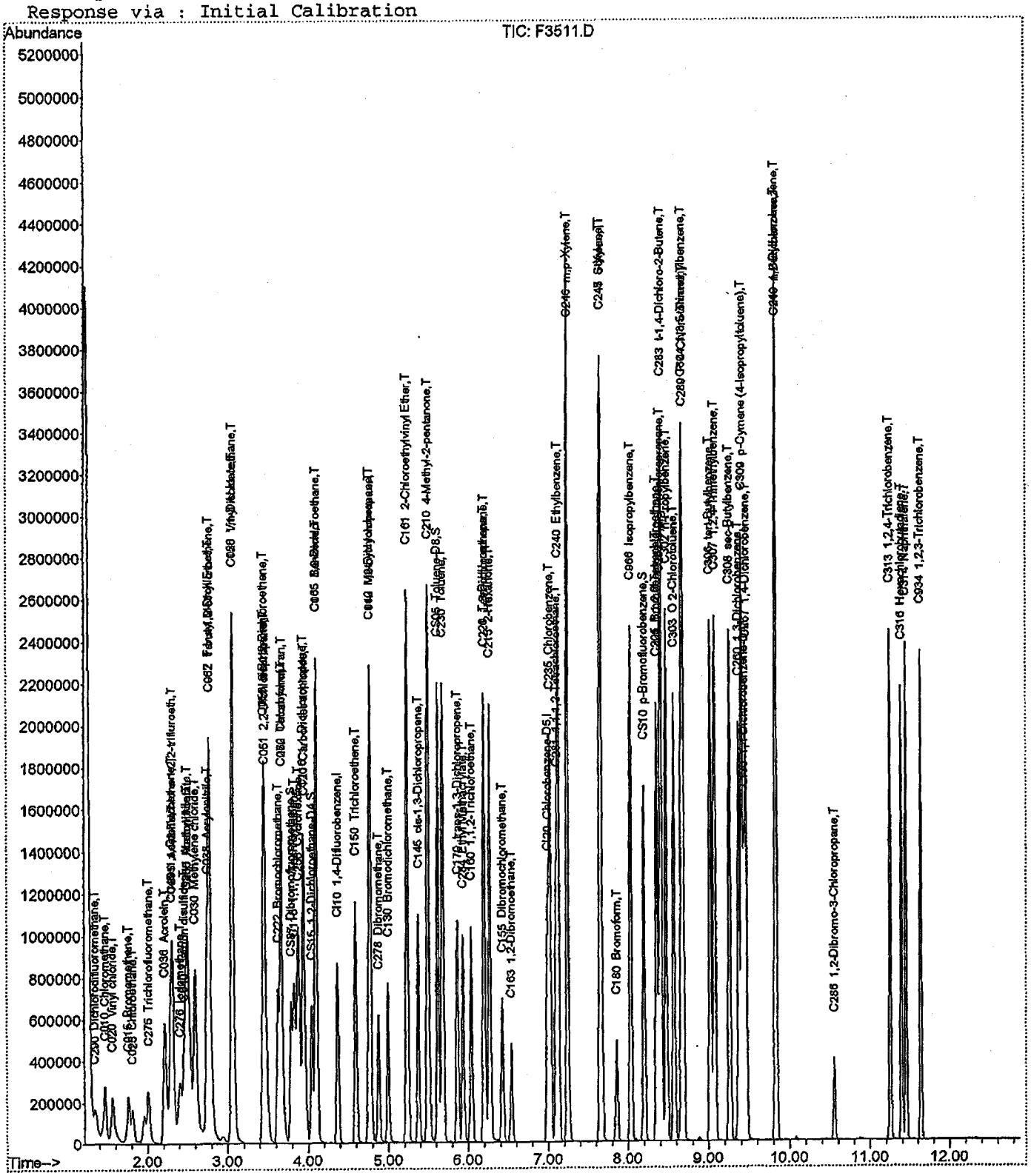
	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.11	78	757229	252.86	ng		96
34)	C065	1,2-Dichloroethane	4.11	62	313828	250.20	ng		91
35)	C110	2-Butanone	3.45	43	514029	1268.65	ng		91
36)	C150	Trichloroethene	4.60	95	206475	249.82	ng		97
37)	C161	2-Chloroethylvinyl E	5.24	63	601447	1268.15	ng		81
38)	C012	Methylcyclohexane	4.77	83	323239	250.91	ng	#	78
39)	C140	1,2-Dichloropropane	4.78	63	204167	257.48	ng		100
40)	C278	Dibromomethane	4.88	93	122191	257.97	ng		97
41)	C130	Bromodichloromethane	5.00	83	260761	254.49	ng		97
42)	C145	cis-1,3-Dichloroprop	5.38	75	318240	254.38	ng		98
45)	C230	Toluene	5.68	92	510414	240.78	ng		92
46)	C170	trans-1,3-Dichloropr	5.87	75	300917	252.19	ng		99
47)	C284	Ethyl Methacrylate	5.95	69	256094	252.08	ng		93
48)	C160	1,1,2-Trichloroethan	6.04	83	136471	245.98	ng		91
49)	C210	4-Methyl-2-pentanone	5.50	43	1072795	1270.72	ng		93
50)	C220	Tetrachloroethene	6.20	166	219390	251.89	ng		92
51)	C221	1,3-Dichloropropane	6.21	76	299420	249.90	ng		96
52)	C155	Dibromochloromethane	6.43	129	187980	251.05	ng		81
53)	C163	1,2-Dibromoethane	6.55	107	175105	250.82	ng		95
54)	C215	2-Hexanone	6.27	43	774906	1274.07	ng		91
55)	C235	Chlorobenzene	7.02	112	536874	245.97	ng		99
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	190747	248.72	ng		98
57)	C240	Ethylbenzene	7.13	91	956971	247.18	ng		99
58)	C246	m,p-Xylene	7.25	106	696687	503.99	ng		88
59)	C247	o-Xylene	7.65	106	347183	250.10	ng	#	75
60)	C245	Styrene	7.67	104	573572	254.80	ng		92
61)	C180	Bromoform	7.86	173	123304	258.51	ng		87
64)	C966	Isopropylbenzene	8.04	105	888491	251.79	ng		94
65)	C301	Bromobenzene	8.37	156	232748	254.09	ng		92
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	216706	253.55	ng		96
67)	C282	1,2,3-Trichloropropa	8.40	110	68494	249.49	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	389865	1269.12	ng		95
69)	C302	n-Propylbenzene	8.48	91	1127985	253.89	ng		96
70)	C303	O 2-Chlorotoluene	8.57	126	223578	252.45	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	225976	249.84	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	773486	253.71	ng		79
73)	C306	tert-Butylbenzene	9.02	134	171910	256.87	ng	#	86
74)	C307	1,2,4-Trimethylbenze	9.08	105	790920	252.94	ng		91
75)	C308	sec-Butylbenzene	9.26	105	925922	254.06	ng		94
76)	C260	1,3-Dichlorobenzene	9.38	146	445003	253.63	ng		97
77)	C309	p-Cymene (4-Isopropy	9.42	119	872833	256.49	ng		99
78)	C267	1,4-Dichlorobenzene	9.47	146	447025	246.71	ng		97
79)	C249	1,2-Dichlorobenzene	9.84	146	423513	253.33	ng		99
80)	C310	n-Butylbenzene	9.83	91	827919	259.24	ng		99
81)	C286	1,2-Dibromo-3-Chloro	10.56	75	46780	259.75	ng		89
82)	C313	1,2,4-Trichlorobenze	11.26	180	355990	253.78	ng		100
83)	C316	Hexachlorobutadiene	11.40	225	195110	250.76	ng		98
84)	C314	Naphthalene	11.45	128	827651	253.37	ng		99
85)	C934	1,2,3-Trichlorobenze	11.64	180	338404	253.34	ng		97

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\080108\F3511.D Vial: 5
Acq On : 1 Aug 2008 21:27 Operator: CDC
Sample : VSTD100 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 1 22:28 2008 Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3511.D
Acq On : 1 Aug 2008 21:27
Sample : VSTD100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 01 22:26:56 2008

Vial: 5
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080108\F3510.D (1 Aug 2008 21:02)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.37	114	705653	250.00	ng		0.00 101.71%
43) CI20	Chlorobenzene-D5	6.99	82	351931	250.00	ng		0.00 101.32%
63) CI30	1,4-Dichlorobenzene-	9.44	152	328393	250.00	ng		0.00 100.83%
System Monitoring Compounds								
27) CS87	Dibromofluoromethane	3.79	111	403972	513.69	ng		0.00
Spiked Amount	250.000	Range 70 - 130		Recovery =	205.48%#			
32) CS15	1,2-Dichloroethane-D	4.05	65	525812	498.85	ng		0.00
Spiked Amount	250.000	Range 64 - 126		Recovery =	199.54%#			
44) CS05	Toluene-D8	5.62	98	1568739	509.12	ng		0.00
Spiked Amount	250.000	Range 71 - 125		Recovery =	203.65%#			
62) CS10	p-Bromofluorobenzene	8.20	174	511137	487.86	ng		0.00
Spiked Amount	250.000	Range 72 - 126		Recovery =	195.14%#			
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.35	85	297739	478.70	ng		100
3) C010	Chloromethane	1.47	50	382181	483.64	ng		98
4) C020	Vinyl chloride	1.57	62	337868	486.65	ng		95
5) C015	Bromomethane	1.76	94	198118	500.69	ng		86
6) C025	Chloroethane	1.81	64	169757	478.71	ng		96
7) C275	Trichlorofluorometha	2.01	101	455390m	493.38	ng		95
8) C291	1,1,2-Trichloro-1,2,	2.32	101	256179	496.60	ng		95
9) C045	1,1-Dichloroethene	2.30	96	241727	472.23	ng	#	71
10) C030	Methylene chloride	2.60	84	441674	393.57	ng		86
11) C040	Carbon disulfide	2.46	76	906027	489.08	ng		99
12) C036	Acrolein	2.22	56	799027	9709.69	ng		99
13) C038	Acrylonitrile	2.75	53	770515	2381.13	ng		97
14) C035	Acetone	2.31	43	481378	2236.90	ng		93
15) C300	Acetonitrile	2.50	41	1793322	19054.08	ng		100
16) C276	Iodomethane	2.42	142	504918	498.21	ng		91
17) C255	Methyl Acetate	2.51	43	624775	480.22	ng		91
18) C962	T-butyl Methyl Ether	2.78	73	1162456	483.36	ng		92
19) C057	trans-1,2-Dichloroet	2.78	96	396345	485.69	ng		91
20) C050	1,1-Dichloroethane	3.06	63	700969	484.96	ng		98
21) C125	Vinyl Acetate	3.07	43	3434149	2446.65	ng		97
22) C051	2,2-Dichloropropane	3.47	77	593111	484.76	ng		94
23) C056	cis-1,2-Dichloroethe	3.46	96	427691	483.82	ng		96
24) C272	Tetrahydrofuran	3.66	42	634335	2391.33	ng		95
25) C222	Bromochloromethane	3.63	128	207125	484.70	ng		88
26) C060	Chloroform	3.68	83	700153	485.40	ng		97
28) C256	Cyclohexane	3.88	56	700947	488.63	ng	#	100
29) C115	1,1,1-Trichloroethan	3.83	97	638302	499.30	ng		99
30) C120	Carbon tetrachloride	3.96	117	516000	505.38	ng		93
31) C116	1,1-Dichloropropene	3.94	75	514198	488.77	ng		88

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3511.D Vial: 5
Acq On : 1 Aug 2008 21:27 Operator: CDC
Sample : VSTD100 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 01 22:26:56 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA

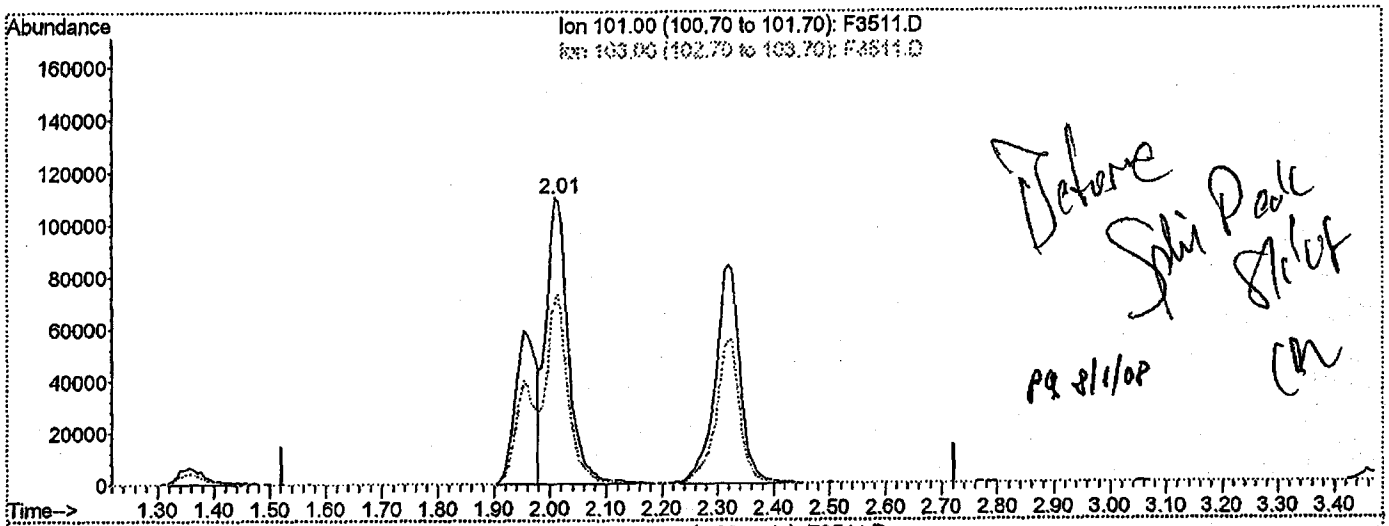
	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.10	78	1465840	481.24	ng		98
34)	C065	1,2-Dichloroethane	4.10	62	621298	486.98	ng		93
35)	C110	2-Butanone	3.45	43	976028	2368.28	ng		88
36)	C150	Trichloroethene	4.59	95	410615	488.44	ng		98
37)	C161	2-Chloroethylvinyl E	5.23	63	1166587	2418.29	ng		81
38)	C012	Methylcyclohexane	4.77	83	638065	486.95	ng	#	78
39)	C140	1,2-Dichloropropane	4.78	63	397177	492.46	ng		100
40)	C278	Dibromomethane	4.87	93	240457	499.10	ng		97
41)	C130	Bromodichloromethane	5.00	83	521471	500.36	ng		98
42)	C145	cis-1,3-Dichloroprop	5.38	75	632330	496.93	ng		94
45)	C230	Toluene	5.68	92	981177	456.83	ng		90
46)	C170	trans-1,3-Dichloropr	5.87	75	608926	503.67	ng		99
47)	C284	Ethyl Methacrylate	5.94	69	520362	505.53	ng		93
48)	C160	1,1,2-Trichloroethan	6.04	83	273874	487.20	ng		97
49)	C210	4-Methyl-2-pentanone	5.50	43	2017233	2358.25	ng		92
50)	C220	Tetrachloroethene	6.19	166	421833	478.00	ng		93
51)	C221	1,3-Dichloropropane	6.21	76	578408	476.45	ng		96
52)	C155	Dibromochloromethane	6.43	129	389278	513.10	ng		83
53)	C163	1,2-Dibromoethane	6.54	107	346938	490.47	ng		92
54)	C215	2-Hexanone	6.27	43	1467212	2380.88	ng		93
55)	C235	Chlorobenzene	7.02	112	1053237	476.25	ng		98
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	383119	493.04	ng		99
57)	C240	Ethylbenzene	7.13	91	1875050	478.00	ng		98
58)	C246	m,p-Xylene	7.25	106	1313625	937.89	ng		85
59)	C247	o-Xylene	7.65	106	665335	473.04	ng	#	75
60)	C245	Styrene	7.67	104	1101181	482.81	ng		89
61)	C180	Bromoform	7.86	173	260080	538.16	ng		86
64)	C966	Isopropylbenzene	8.04	105	1721416	483.82	ng		93
65)	C301	Bromobenzene	8.37	156	450264	487.50	ng		94
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	423304	491.18	ng		91
67)	C282	1,2,3-Trichloropropa	8.40	110	133192	481.15	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	770447	2487.36	ng		96
69)	C302	n-Propylbenzene	8.48	91	2174243	485.35	ng		98
70)	C303	O 2-Chlorotoluene	8.57	126	437611	490.05	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	437208	479.39	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	1486649	483.62	ng		82
73)	C306	tert-Butylbenzene	9.02	134	329214	487.86	ng	#	81
74)	C307	1,2,4-Trimethylbenze	9.08	105	1532983	486.22	ng		92
75)	C308	sec-Butylbenzene	9.26	105	1795902	488.71	ng		94
76)	C260	1,3-Dichlorobenzene	9.38	146	858040	485.02	ng		98
77)	C309	p-Cymene (4-Isopropy	9.42	119	1668122	486.15	ng		98
78)	C267	1,4-Dichlorobenzene	9.47	146	870457	476.44	ng		98
79)	C249	1,2-Dichlorobenzene	9.84	146	800678	474.99	ng		99
80)	C310	n-Butylbenzene	9.83	91	1561321	484.86	ng		100
81)	C286	1,2-Dibromo-3-Chloro	10.55	75	92414	508.91	ng		82
82)	C313	1,2,4-Trichlorobenze	11.26	180	673522	476.19	ng		99
83)	C316	Hexachlorobutadiene	11.40	225	367343	468.23	ng		99
84)	C314	Naphthalene	11.45	128	1569123	476.41	ng		99
85)	C934	1,2,3-Trichlorobenze	11.64	180	644742	478.70	ng		100

(#) = qualifier out of range (m) = manual integration

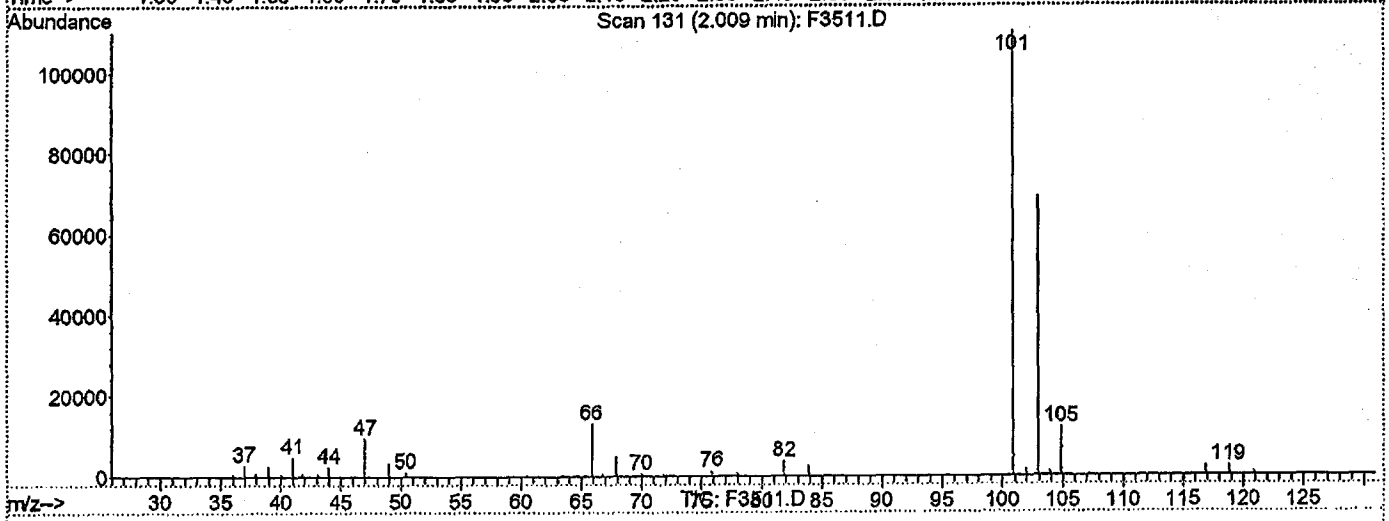
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\080108\F3511.D Vial: 5
Acq On : 1 Aug 2008 21:27 Operator: CDC
Sample : VSTD100 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 1 22:26 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Multiple Level Calibration



Before Split Peak 8/1/08 PG 8/1/08 CN



(7) C275 Trichlorofluoromethane (T)

2.01min 326.24ng

response 301119

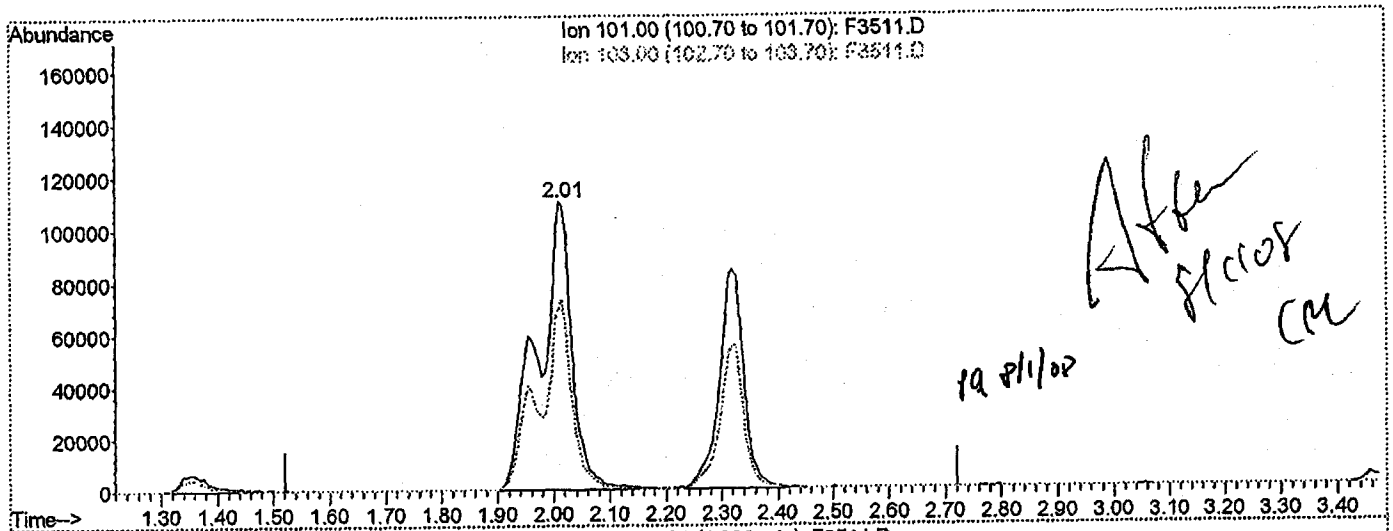
Ion	Exp%	Act%
101.00	100	100
103.00	58.90	62.64
0.00	0.00	0.00
0.00	0.00	0.00

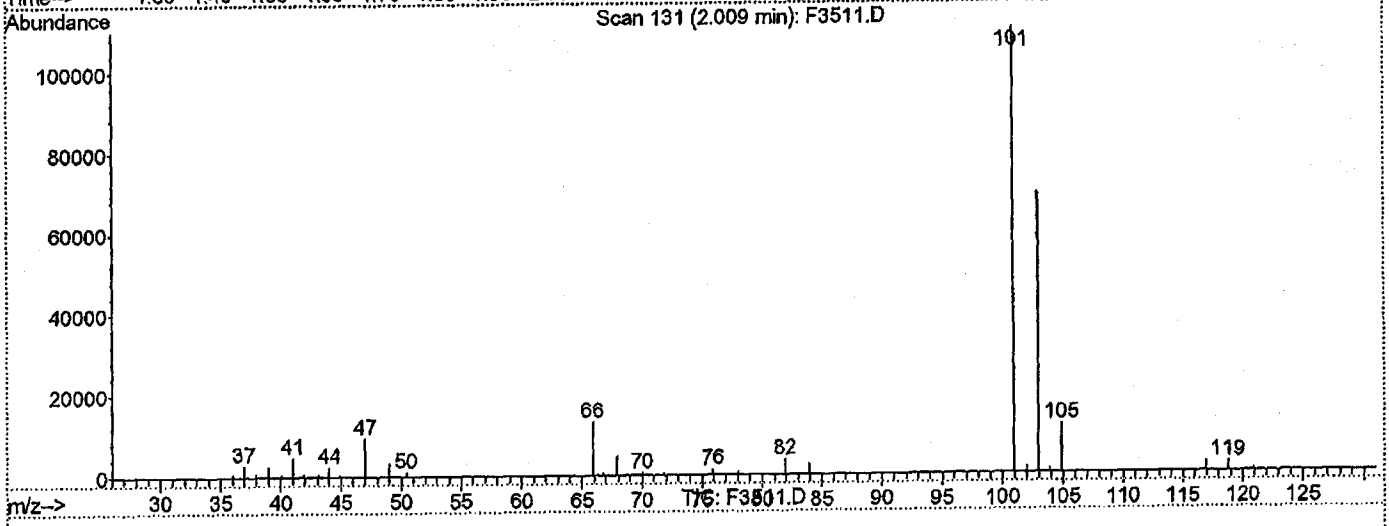
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\080108\F3511.D
Acq On : 1 Aug 2008 21:27
Sample : VSTD100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 1 22:28 2008

Vial: 5
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

2.01min 493.38ng m

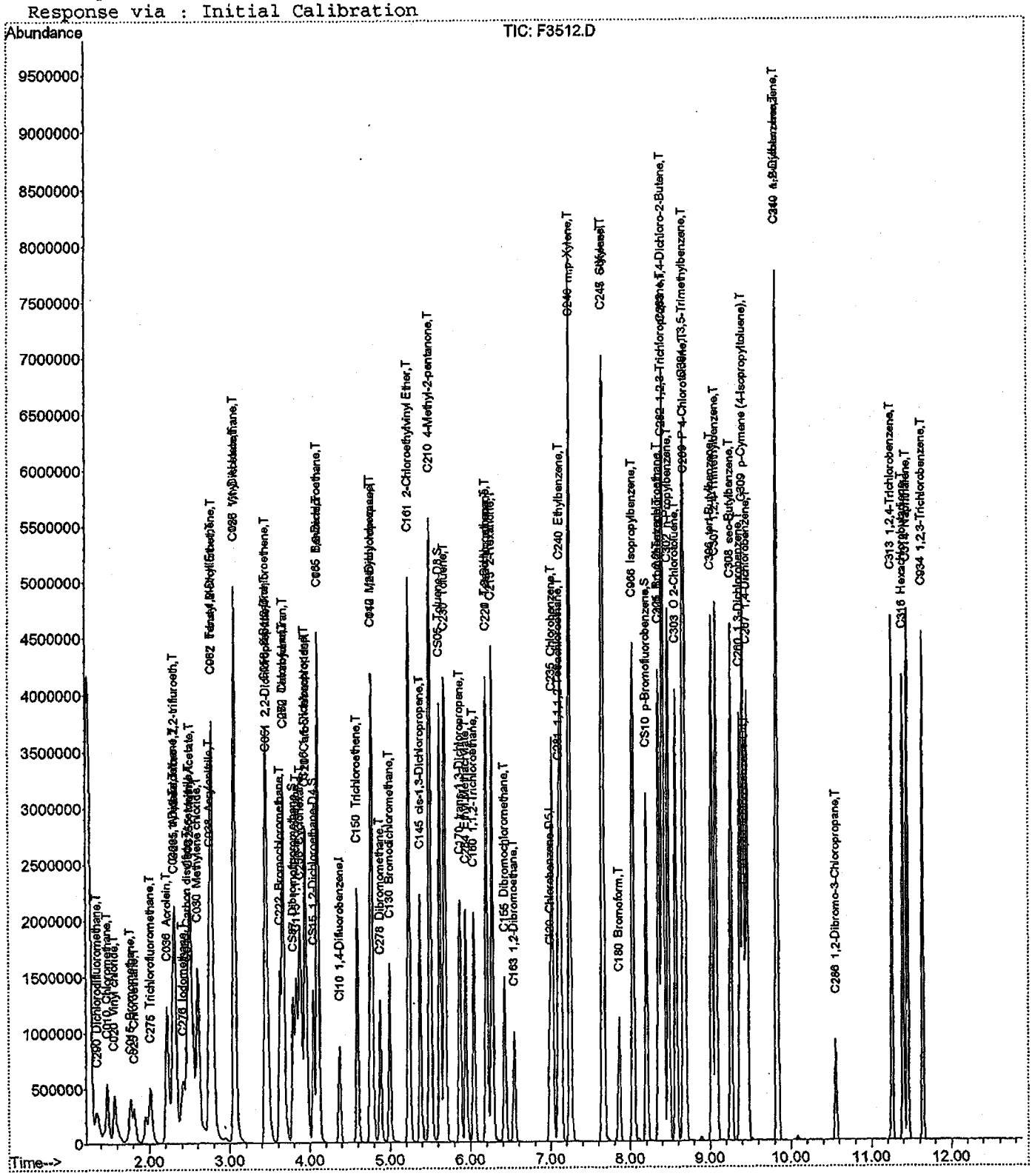
response 455390

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	62.64
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\080108\F3512.D Vial: 6
Acq On : 1 Aug 2008 21:53 Operator: CDC
Sample : VSTD200 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 1 22:29 2008 Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3512.D Vial: 6
Acq On : 1 Aug 2008 21:53 Operator: CDC
Sample : VSTD200 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 01 22:27:06 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080108\F3510.D (1 Aug 2008 21:02)

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min) Rcv(Ar)
1) CI10 1,4-Difluorobenzene	4.38	114	710337	250.00 ng		0.00 102.39%
43) CI20 Chlorobenzene-D5	6.99	82	352753	250.00 ng		0.00 101.56%
63) CI30 1,4-Dichlorobenzene-	9.44	152	332490	250.00 ng		0.00 102.09%
System Monitoring Compounds						
27) CS87 Dibromofluoromethane	3.79	111	769238	971.71 ng		0.00
Spiked Amount 250.000 Range 70 - 130 Recovery = 388.68%#						
32) CS15 1,2-Dichloroethane-D	4.05	65	1031771	972.41 ng		0.00
Spiked Amount 250.000 Range 64 - 126 Recovery = 388.96%#						
44) CS05 Toluene-D8	5.62	98	2821627	913.61 ng		0.00
Spiked Amount 250.000 Range 71 - 125 Recovery = 365.44%#						
62) CS10 p-Bromofluorobenzene	8.20	174	945185	900.03 ng		0.00
Spiked Amount 250.000 Range 72 - 126 Recovery = 360.01%#						
Target Compounds						Qvalue
2) C290 Dichlorodifluorometh	1.35	85	591074	944.05 ng		100
3) C010 Chloromethane	1.48	50	764880	961.56 ng		96
4) C020 Vinyl chloride	1.57	62	667870	955.62 ng		98
5) C015 Bromomethane	1.77	94	387229	972.17 ng		89
6) C025 Chloroethane	1.81	64	336700	943.23 ng		99
7) C275 Trichlorofluorometha	2.02	101	895449m	963.76 ng		92
8) C291 1,1,2-Trichloro-1,2,	2.32	101	511145	984.32 ng		96
9) C045 1,1-Dichloroethene	2.30	96	501257	972.78 ng	#	65
10) C030 Methylene chloride	2.60	84	839987	743.56 ng		87
11) C040 Carbon disulfide	2.47	76	1836162	984.63 ng		96
12) C036 Acrolein	2.22	56	1695133	20463.23 ng		98
13) C038 Acrylonitrile	2.75	53	1634821	5018.79 ng		97
14) C035 Acetone	2.31	43	1105078	5101.28 ng		94
15) C300 Acetonitrile	2.49	41	3939973	41586.25 ng		100
16) C276 Iodomethane	2.42	142	999300	979.51 ng		90
17) C255 Methyl Acetate	2.51	43	1338813	1022.26 ng		93
18) C962 T-butyl Methyl Ether	2.78	73	2407494	994.46 ng		92
19) C057 trans-1,2-Dichloroet	2.78	96	753094	916.78 ng		90
20) C050 1,1-Dichloroethane	3.06	63	1330560	914.47 ng		98
21) C125 Vinyl Acetate	3.06	43	6327519	4478.29 ng		96
22) C051 2,2-Dichloropropane	3.47	77	1169441	949.50 ng		97
23) C056 cis-1,2-Dichloroethe	3.46	96	818186	919.45 ng		94
24) C272 Tetrahydrofuran	3.66	42	1356459	5079.90 ng		98
25) C222 Bromochloromethane	3.63	128	418828	973.66 ng		84
26) C060 Chloroform	3.68	83	1369235	943.00 ng		97
28) C256 Cyclohexane	3.88	56	1327476	919.27 ng	#	100
29) C115 1,1,1-Trichloroethan	3.83	97	1250483	971.73 ng		98
30) C120 Carbon tetrachloride	3.96	117	1009810	982.51 ng		92
31) C116 1,1-Dichloropropene	3.94	75	979869	925.28 ng		91

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3512.D
Acq On : 1 Aug 2008 21:53
Sample : VSTD200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 01 22:27:06 2008

Vial: 6
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.10	78	2757762	899.41	ng		96
34)	C065	1,2-Dichloroethane	4.10	62	1243536	968.26	ng		94
35)	C110	2-Butanone	3.44	43	2082056	5018.70	ng		89
36)	C150	Trichloroethene	4.59	95	788932	932.28	ng		97
37)	C161	2-Chloroethylvinyl E	5.24	63	2289841	4715.46	ng		81
38)	C012	Methylcyclohexane	4.77	83	1195074	906.02	ng	#	76
39)	C140	1,2-Dichloropropane	4.78	63	757330	932.82	ng		100
40)	C278	Dibromomethane	4.87	93	492297	1015.08	ng		97
41)	C130	Bromodichloromethane	5.00	83	1071934	1021.75	ng		99
42)	C145	cis-1,3-Dichloroprop	5.38	75	1278955	998.47	ng		96
45)	C230	Toluene	5.68	92	1878696	872.67	ng		94
46)	C170	trans-1,3-Dichloropr	5.87	75	1236866	1020.68	ng		100
47)	C284	Ethyl Methacrylate	5.95	69	1072539	1039.54	ng		93
48)	C160	1,1,2-Trichloroethan	6.04	83	559168	992.40	ng		96
49)	C210	4-Methyl-2-pentanone	5.50	43	4119224	4804.37	ng		90
50)	C220	Tetrachloroethene	6.20	166	794940	898.70	ng		98
51)	C221	1,3-Dichloropropane	6.21	76	1161731	954.72	ng		97
52)	C155	Dibromochloromethane	6.43	129	821467	1080.25	ng		81
53)	C163	1,2-Dibromoethane	6.54	107	718359	1013.18	ng		93
54)	C215	2-Hexanone	6.27	43	3069655	4969.60	ng		90
55)	C235	Chlorobenzene	7.02	112	2047061	923.48	ng		98
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	770153	988.81	ng		100
57)	C240	Ethylbenzene	7.13	91	3496203	889.19	ng		100
58)	C246	m,p-Xylene	7.25	106	2433393	1733.33	ng		89
59)	C247	o-Xylene	7.65	106	1246118	883.91	ng	#	75
60)	C245	Styrene	7.67	104	2077347	908.68	ng		86
61)	C180	Bromoform	7.86	173	568678	1173.97	ng		82
64)	C966	Isopropylbenzene	8.04	105	3243398	900.35	ng		95
65)	C301	Bromobenzene	8.37	156	871553	932.00	ng		95
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	862891	988.93	ng		96
67)	C282	1,2,3-Trichloropropa	8.40	110	278855	994.94	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	1571452	5010.86	ng		96
69)	C302	n-Propylbenzene	8.48	91	4043585	891.52	ng		98
70)	C303	O 2-Chlorotoluene	8.58	126	841121	930.30	ng		100
71)	C289	P 4-Chlorotoluene	8.70	126	830632	899.56	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	2784477	894.66	ng		81
73)	C306	tert-Butylbenzene	9.03	134	622259	910.76	ng	#	86
74)	C307	1,2,4-Trimethylbenze	9.08	105	2905617	910.22	ng		91
75)	C308	sec-Butylbenzene	9.27	105	3331077	895.29	ng		95
76)	C260	1,3-Dichlorobenzene	9.38	146	1636902	913.87	ng		99
77)	C309	p-Cymene (4-Isopropy	9.42	119	3098029	891.75	ng		99
78)	C267	1,4-Dichlorobenzene	9.47	146	1654125	894.21	ng		98
79)	C249	1,2-Dichlorobenzene	9.84	146	1520631	890.97	ng		99
80)	C310	n-Butylbenzene	9.83	91	2837319	870.26	ng		100
81)	C286	1,2-Dibromo-3-Chloro	10.56	75	215390	1171.51	ng		91
82)	C313	1,2,4-Trichlorobenze	11.26	180	1273994	889.64	ng		99
83)	C316	Hexachlorobutadiene	11.40	225	702238	884.08	ng		100
84)	C314	Naphthalene	11.45	128	3127649	937.89	ng		99
85)	C934	1,2,3-Trichlorobenze	11.64	180	1231123	902.81	ng		99

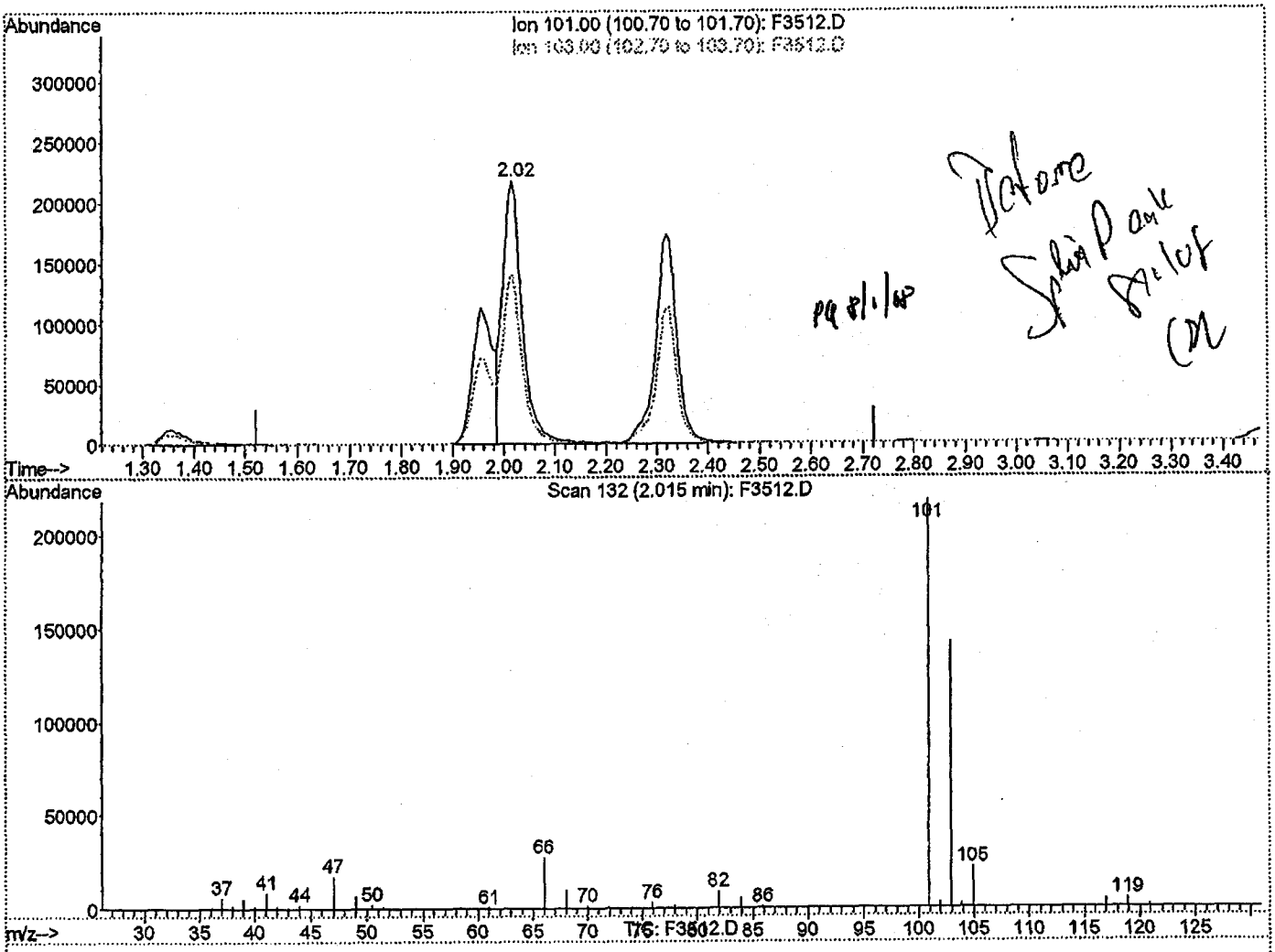
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\080108\F3512.D
Acq On : 1 Aug 2008 21:53
Sample : VSTD200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 1 22:27 2008

Vial: 6
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Multiple Level Calibration



Before Split Peak 8:10 CR

(7) C275 Trichlorofluoromethane (T)

2.02min 625.13ng

response 580825

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	65.15
0.00	0.00	0.00
0.00	0.00	0.00

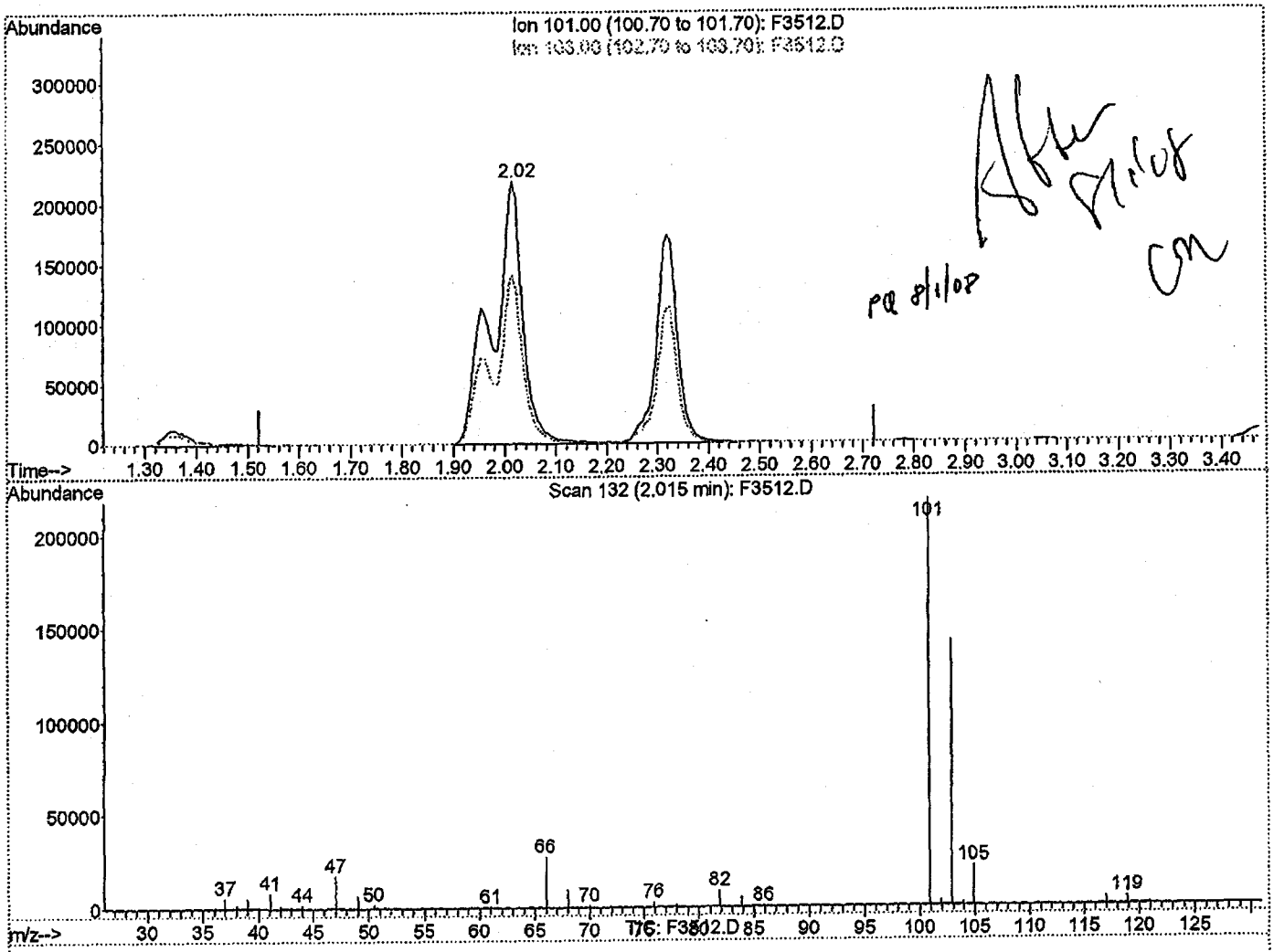
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\080108\F3512.D
Acq On : 1 Aug 2008 21:53
Sample : VSTD200
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 1 22:29 2008

Vial: 6
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:14:08 2008
Response via : Multiple Level Calibration



(7) C275 Trichlorofluoromethane (T)

2.02min 963.76ng m

response 895449

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	65.15
0.00	0.00	0.00
0.00	0.00	0.00

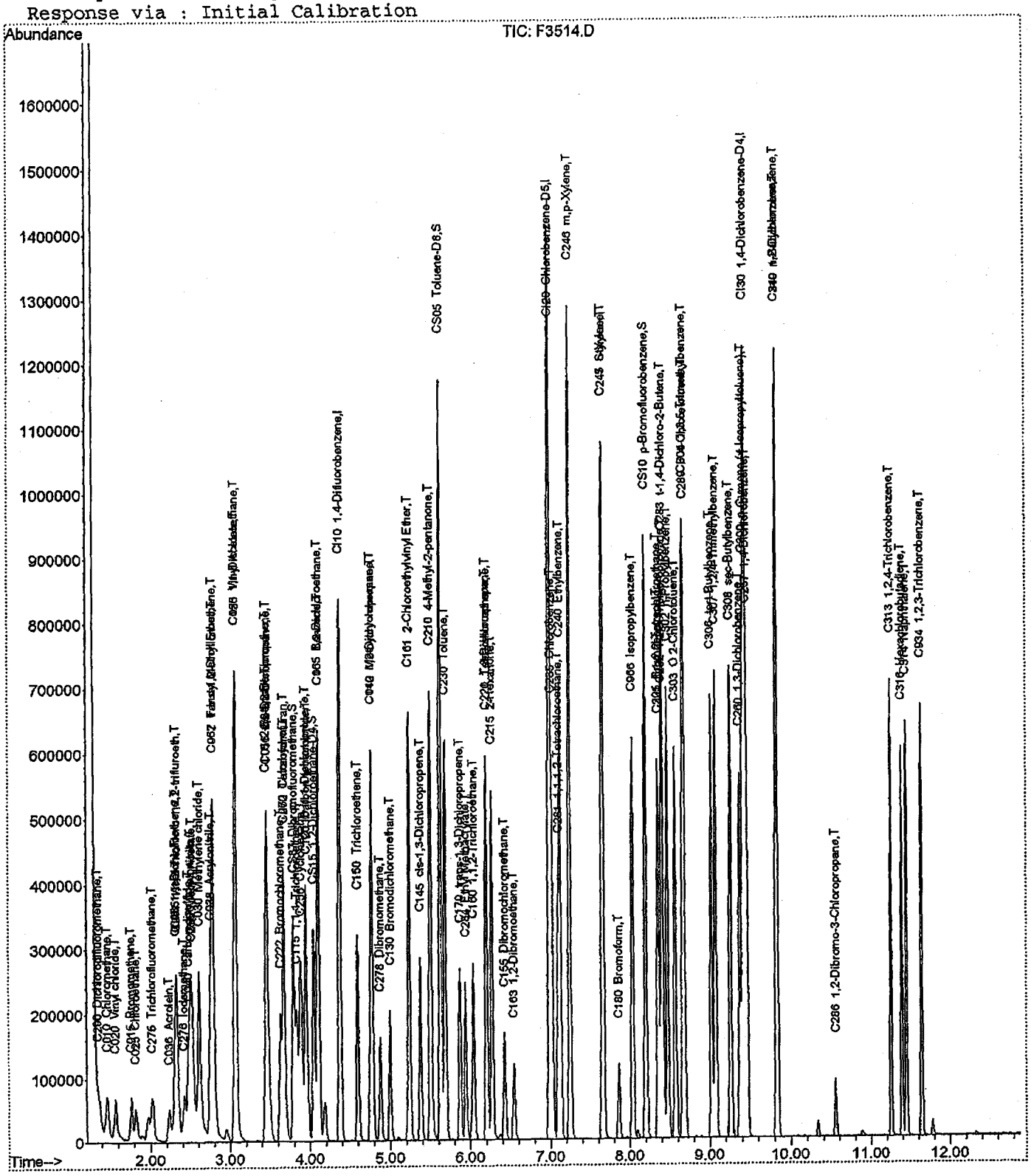
Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\080108\F3514.D
Acq On : 1 Aug 2008 22:44
Sample : MSB/SSCALCHK
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 1 23:03 2008

Vial: 8
Operator: CDC
Inst : HP5973F
Multiplr: 1.00

Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:36:10 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3514.D Vial: 8
Acq On : 1 Aug 2008 22:44 Operator: CDC
Sample : MSB/SSCALCHK Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 01 23:02:46 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:36:10 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080108\F3510.D (1 Aug 2008 21:02)

DC CDC 8/1/08

Spiked @ 125 ng

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	676910	250.00	ng		0.00 97.57%
43) CI20	Chlorobenzene-D5	6.99	82	338020	250.00	ng		0.00 97.32%
63) CI30	1,4-Dichlorobenzene-	9.44	152	321928	250.00	ng		0.00 98.85%
System Monitoring Compounds								
27) CS87	Dibromofluoromethane	3.80	111	210229	278.68	ng		0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	111.47%		
32) CS15	1,2-Dichloroethane-D	4.05	65	260369	257.51	ng		0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	103.00%		
44) CS05	Toluene-D8	5.63	98	851260	287.65	ng		0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	115.06%		
62) CS10	p-Bromofluorobenzene	8.20	174	281434	279.67	ng		0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	111.87%		
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.36	85	81845	137.18	ng		100
3) C010	Chloromethane	1.47	50	95441	125.91	ng		99
4) C020	Vinyl chloride	1.57	62	94134	141.34	ng		97
5) C015	Bromomethane	1.77	94	53485	140.91	ng		84
6) C025	Chloroethane	1.82	64	47164	138.61	ng		98
7) C275	Trichlorofluorometha	2.02	101	122772m	138.62	ng		96
8) C291	1,1,2-Trichloro-1,2,	2.33	101	68210	137.84	ng		96
9) C045	1,1-Dichloroethene	2.31	96	66050	134.51	ng	#	76
10) C030	Methylene chloride	2.61	84	137244	137.96	ng		94
11) C040	Carbon disulfide	2.47	76	250525	140.98	ng		96
12) C036	Acrolein	2.23	56	61483	778.86	ng		100
13) C038	Acrylonitrile	2.75	53	197443	636.07	ng		97
14) C035	Acetone	2.33	43	120773	585.05	ng		88
15) C300	Acetonitrile	2.51	41	460763	5103.49	ng		100
16) C276	Iodomethane	2.42	142	118229	121.60	ng		94
17) C255	Methyl Acetate	2.53	43	117261	93.96	ng	#	90
18) C962	T-butyl Methyl Ether	2.79	73	309563	134.19	ng		92
19) C057	trans-1,2-Dichloroet	2.79	96	107665	137.54	ng		89
20) C050	1,1-Dichloroethane	3.06	63	187664	135.35	ng		95
21) C125	Vinyl Acetate	3.07	43	977448	726.03	ng		97
22) C051	2,2-Dichloropropane	3.47	77	162883	138.78	ng		98
23) C056	cis-1,2-Dichloroethe	3.46	96	116869	137.82	ng		97
24) C272	Tetrahydrofuran	3.67	42	158449	622.69	ng		94
25) C222	Bromochloromethane	3.63	128	55892	136.35	ng		91
26) C060	Chloroform	3.68	83	184519	133.34	ng		99
28) C256	Cyclohexane	3.89	56	188456	136.95	ng	#	100
29) C115	1,1,1-Trichloroethan	3.83	97	164588	134.21	ng		99
30) C120	Carbon tetrachloride	3.96	117	135868	138.72	ng		91
31) C116	1,1-Dichloropropene	3.94	75	141016	139.74	ng		90

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\080108\F3514.D
Acq On : 1 Aug 2008 22:44
Sample : MSB/SSCALCHK
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 01 23:02:46 2008

Vial: 8
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:36:10 2008
Response via : Initial Calibration
DataAcq Meth : VOA

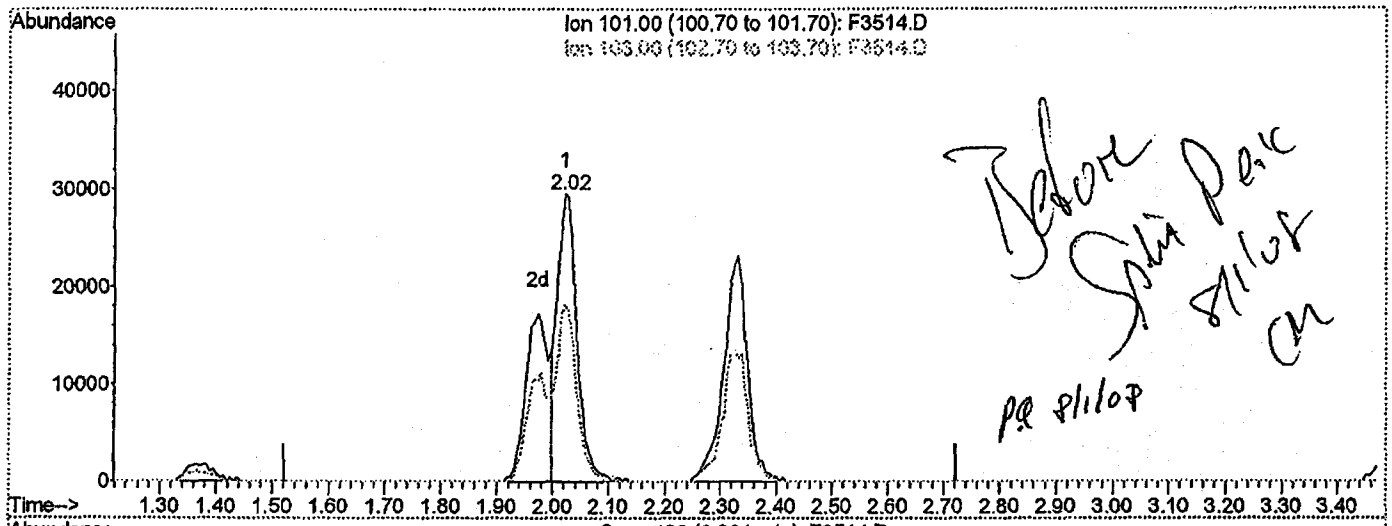
	Compound		R.T.	QIon	Response	Conc Unit		Qvalue
33)	C165	Benzene	4.11	78	403588	138.12 ng		99
34)	C065	1,2-Dichloroethane	4.11	62	158149	129.22 ng		90
35)	C110	2-Butanone	3.45	43	249417	630.90 ng		85
36)	C150	Trichloroethene	4.60	95	108021	133.95 ng		96
37)	C161	2-Chloroethylvinyl E	5.24	63	286682	619.52 ng		82
38)	C012	Methylcyclohexane	4.77	83	175026	139.24 ng	#	74
39)	C140	1,2-Dichloropropane	4.78	63	107040	138.35 ng		100
40)	C278	Dibromomethane	4.88	93	62015	134.19 ng		95
41)	C130	Bromodichloromethane	5.00	83	135147	135.18 ng		94
42)	C145	cis-1,3-Dichloroprop	5.38	75	164820	135.03 ng		97
45)	C230	Toluene	5.69	92	279351	135.42 ng		87
46)	C170	trans-1,3-Dichloropr	5.87	75	151704	130.64 ng		100
47)	C284	Ethyl Methacrylate	5.95	69	122776	124.19 ng		94
48)	C160	1,1,2-Trichloroethan	6.05	83	71169	131.82 ng		97
49)	C210	4-Methyl-2-pentanone	5.50	43	524737	638.69 ng		94
50)	C220	Tetrachloroethene	6.20	166	113853	134.32 ng		96
51)	C221	1,3-Dichloropropane	6.21	76	152343	130.65 ng		98
52)	C155	Dibromochloromethane	6.43	129	95586	131.18 ng		88
53)	C163	1,2-Dibromoethane	6.54	107	90374	133.02 ng		91
54)	C215	2-Hexanone	6.27	43	371619	627.85 ng		93
55)	C235	Chlorobenzene	7.02	112	285266	134.30 ng		98
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	99039	132.70 ng		98
57)	C240	Ethylbenzene	7.13	91	517340	137.31 ng		100
58)	C246	m,p-Xylene	7.25	106	373299	277.49 ng		88
59)	C247	o-Xylene	7.65	106	188314	139.40 ng	#	76
60)	C245	Styrene	7.67	104	307894	140.55 ng		93
61)	C180	Bromoform	7.86	173	60641	133.43 ng		80
64)	C966	Isopropylbenzene	8.04	105	435885	124.97 ng		95
65)	C301	Bromobenzene	8.37	156	122757	135.58 ng		95
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	117313	138.86 ng		93
67)	C282	1,2,3-Trichloropropa	8.40	110	32575	120.04 ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	183680	604.91 ng		92
69)	C302	n-Propylbenzene	8.48	91	602550	137.21 ng		95
70)	C303	O 2-Chlorotoluene	8.57	126	120942	138.15 ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	125874	140.79 ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	413404	137.19 ng		82
73)	C306	tert-Butylbenzene	9.02	134	93291	141.02 ng		87
74)	C307	1,2,4-Trimethylbenze	9.08	105	430033	139.13 ng		90
75)	C308	sec-Butylbenzene	9.26	105	528817	146.79 ng		94
76)	C260	1,3-Dichlorobenzene	9.38	146	234467	135.20 ng		99
77)	C309	p-Cymene (4-Isopropy	9.42	119	446181	132.64 ng		98
78)	C267	1,4-Dichlorobenzene	9.47	146	244770	136.66 ng		97
79)	C249	1,2-Dichlorobenzene	9.84	146	226542	137.09 ng		99
80)	C310	n-Butylbenzene	9.83	91	441974	140.01 ng		98
81)	C286	1,2-Dibromo-3-Chloro	10.56	75	21106	118.56 ng		90
82)	C313	1,2,4-Trichlorobenze	11.26	180	193189	139.33 ng		99
83)	C316	Hexachlorobutadiene	11.40	225	104440	135.80 ng		99
84)	C314	Naphthalene	11.45	128	431250	133.56 ng		99
85)	C934	1,2,3-Trichlorobenze	11.64	180	178240	135.00 ng		96

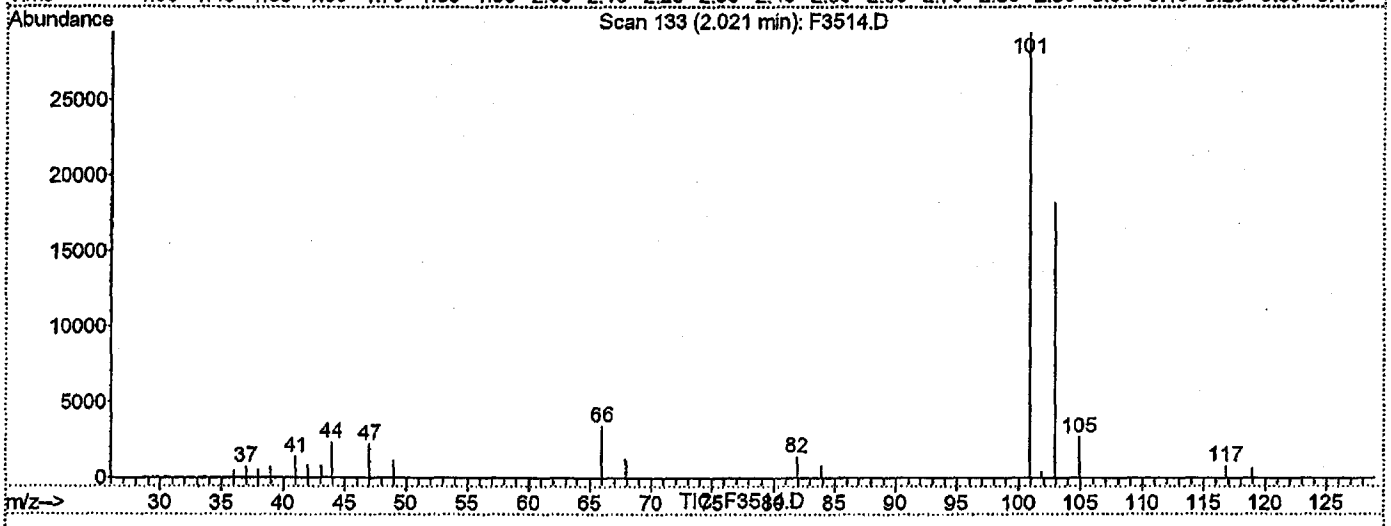
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\080108\F3514.D Vial: 8
Acq On : 1 Aug 2008 22:44 Operator: CDC
Sample : MSB/SSCALCHK Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 1 23:02 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:36:10 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

2.02min 81.96ng

response 72588

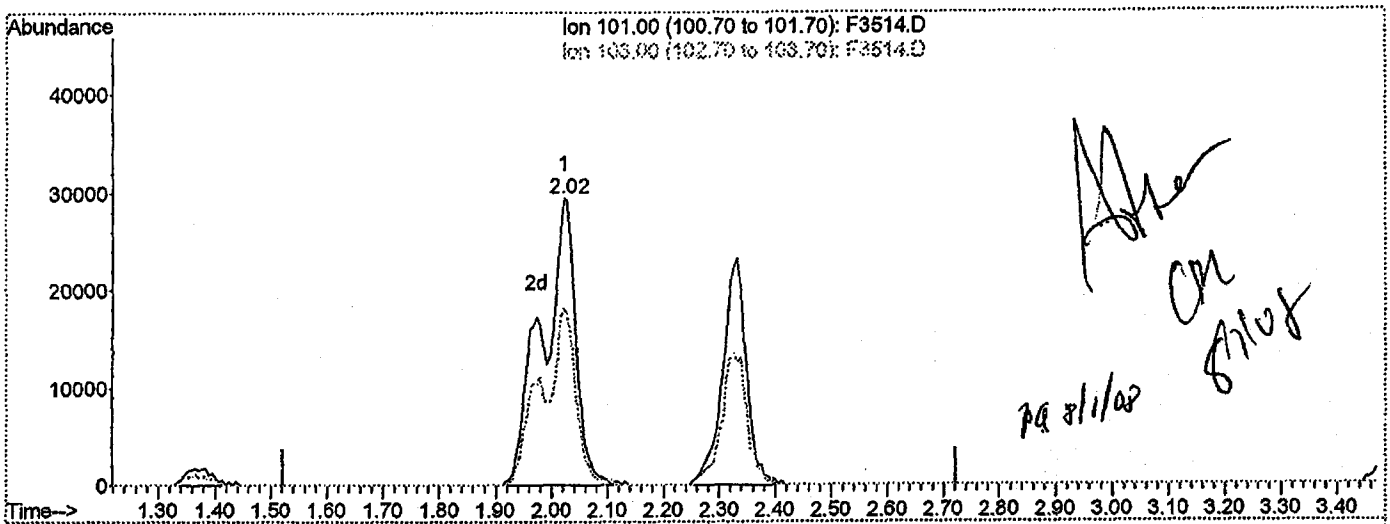
Ion	Exp%	Act%
101.00	100	100
103.00	58.90	61.69
0.00	0.00	0.00
0.00	0.00	0.00

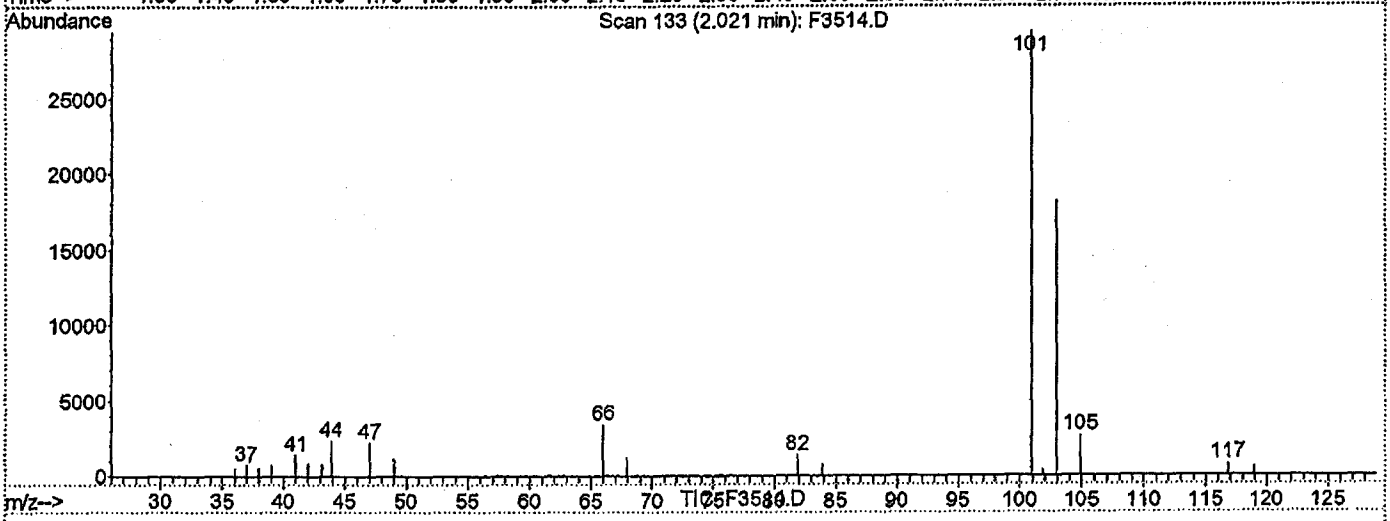
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\080108\F3514.D
Acq On : 1 Aug 2008 22:44
Sample : MSB/SSCALCHK
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 1 23:03 2008

Vial: 8
Operator: CDC
Inst : HP5973F
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Fri Aug 01 22:36:10 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

2.02min 138.62ng m

response 122772

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	61.69
0.00	0.00	0.00
0.00	0.00	0.00

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001939-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: F3582.RR Calibration Date: 08/05/2008 Time: 18:37

Intrument ID: HP5973F_____ Init. Calib. Date(s): 08/01/2008 08/01/2008

Heated Purge (Y/N): Y Init. Calib. Times: 20:10 21:53

GC Column: ZB-624 ID: 0.20(mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
Chloromethane	0.2800	0.2791	0.1000	0.300	100.00
Bromomethane	0.1400	0.1354		3.300	100.00
Vinyl chloride	0.2460	0.2496		-1.500	20.00
Chloroethane	0.1260	0.1310		-4.000	100.00
Methylene chloride	0.3980	0.3295		17.200	100.00
Acetone	0.0760	0.0843		-10.900	100.00
Carbon Disulfide	0.6560	0.7145		-8.900	100.00
1,1-Dichloroethene	0.1810	0.2075	0.1000	-14.600	20.00
1,1-Dichloroethane	0.5120	0.5324	0.3000	-4.000	100.00
cis-1,2-Dichloroethene	0.3130	0.3247		-3.700	100.00
trans-1,2-Dichloroethene	0.2890	0.3017		-4.400	100.00
Chloroform	0.5110	0.5207		-1.900	20.00
1,2-Dichloroethane	0.4520	0.4478		0.900	100.00
2-Butanone	0.1460	0.1549		-6.100	100.00
1,1,1-Trichloroethane	0.4530	0.4807		-6.100	100.00
Carbon Tetrachloride	0.3620	0.3778		-4.400	100.00
Bromodichloromethane	0.3690	0.3739		-1.300	100.00
1,2-Dichloropropane	0.2860	0.2883		-0.800	20.00
cis-1,3-Dichloropropene	0.4510	0.4540		-0.700	100.00
Trichloroethene	0.2980	0.2982		-0.100	100.00
Dibromochloromethane	0.5390	0.5364		0.500	100.00
1,1,2-Trichloroethane	0.3990	0.3960		0.800	100.00
Benzene	1.0790	1.1073		-2.600	100.00
trans-1,3-Dichloropropene	0.8590	0.8583		0.100	100.00
Bromoform	0.3430	0.3596	0.1000	-4.800	100.00
4-Methyl-2-pentanone	0.6080	0.6426		-5.700	100.00
2-Hexanone	0.4380	0.4652		-6.200	100.00
Tetrachloroethene	0.6270	0.6318		-0.800	100.00
1,1,2,2-Tetrachloroethane	0.6560	0.6585	0.3000	-0.400	100.00
Toluene	1.5260	1.4715		3.600	20.00
Chlorobenzene	1.5710	1.5347	0.3000	2.300	100.00
Ethylbenzene	2.7870	2.7909		-0.100	20.00
Styrene	1.6200	1.6331		-0.800	100.00
Total Xylenes	0.9990	0.9872		1.200	100.00
1,1,2-Trichloro-1,2,2-trifluoro	0.1830	0.2098		-14.600	100.00
1,2,4-Trichlorobenzene	1.0770	1.0553		2.000	100.00
1,2-Dibromo-3-chloropropane	0.1380	0.1361		1.400	100.00
1,2-Dibromoethane	0.5020	0.4950		1.400	100.00
1,2-Dichlorobenzene	1.2830	1.2386		3.500	100.00

VOLATILE 3RD EDITION (30%&15% RSD/ 20%D FOR CCC)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0001939-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: F3582.RR Calibration Date: 08/05/2008 Time: 18:37

Intrument ID: HP5973F _____ Init. Calib. Date(s): 08/01/2008 08/01/2008

Heated Purge (Y/N): Y Init. Calib. Times: 20:10 21:53

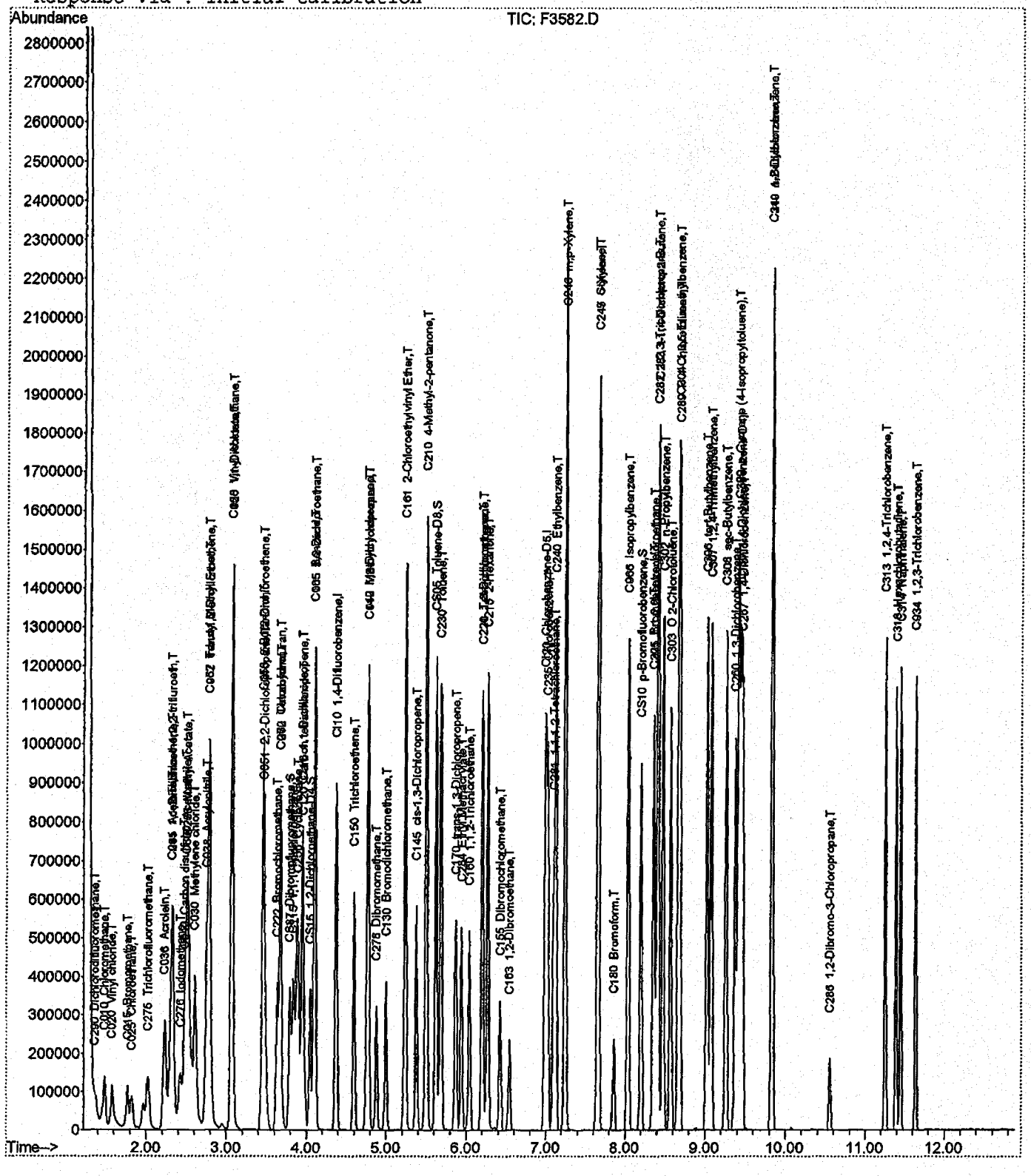
GC Column: ZB-624 ID: 0.20 (mm)

COMPOUND	AVG RRF	RRF50	MIN RRF	% D	MAX % D
1,3-Dichlorobenzene	1.3470	1.3197		2.000	100.00
1,4-Dichlorobenzene	1.3910	1.3304		4.400	100.00
Cyclohexane	0.5080	0.5434		-7.000	100.00
Dichlorodifluoromethane	0.2200	0.1969		10.500	100.00
Methyl acetate	0.4610	0.5422		-17.600	100.00
Trichlorofluoromethane	0.3270	0.3634		-11.100	100.00
Methyl-t-Butyl Ether (MTBE)	0.8520	0.8929		-4.800	100.00
Isopropylbenzene	2.7090	2.7048		0.200	100.00
Methylcyclohexane	0.4640	0.4990		-7.500	100.00
Toluene-D8	2.1890	2.4903		-13.800	100.00
p-Bromofluorobenzene	0.7440	0.8480		-14.000	100.00
1,2-Dichloroethane-D4	0.3730	0.4141		-11.000	100.00

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\F\080508\F3582.D Vial: 1
Acq On : 5 Aug 2008 18:37 Operator: CDC
Sample : VSTD050 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 5 19:58 2008 Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Aug 05 19:30:24 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\080508\F3582.D Vial: 1
Acq On : 5 Aug 2008 18:37 Operator: CDC
Sample : VSTD050 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 05 19:58:30 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Aug 05 19:30:24 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080508\F3582.D (5 Aug 2008 18:37)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	678996	250.00	ng		0.00 100.00%
43) CI20	Chlorobenzene-D5	6.99	82	341330	250.00	ng		0.00 100.00%
63) CI30	1,4-Dichlorobenzene-	9.44	152	325921	250.00	ng		0.00 100.00%
System Monitoring Compounds								
27) CS87	Dibromofluoromethane	3.79	111	213637	282.33	ng		0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	112.93%		
32) CS15	1,2-Dichloroethane-D	4.05	65	281146	277.20	ng		0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	110.88%		
44) CS05	Toluene-D8	5.62	98	850027	284.44	ng		0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	113.78%		
62) CS10	p-Bromofluorobenzene	8.20	174	289444	284.84	ng		0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	113.94%		
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.36	85	133715	223.42	ng		97
3) C010	Chloromethane	1.48	50	189499	249.22	ng		99
4) C020	Vinyl chloride	1.57	62	169500	253.72	ng		95
5) C015	Bromomethane	1.77	94	91919	241.42	ng		88
6) C025	Chloroethane	1.82	64	88979	260.69	ng		99
7) C275	Trichlorofluorometha	2.02	101	246755	277.76	ng		93
8) C291	1,1,2-Trichloro-1,2,	2.33	101	142477	287.04	ng		95
9) C045	1,1-Dichloroethene	2.31	96	140896	286.06	ng		79
10) C030	Methylene chloride	2.61	84	223735	248.76	ng		85
11) C040	Carbon disulfide	2.47	76	485111	272.15	ng		97
12) C036	Acrolein	2.23	56	378500	4780.06	ng		100
13) C038	Acrylonitrile	2.75	53	409946	1316.60	ng		98
14) C035	Acetone	2.31	43	286202	1382.15	ng		89
15) C300	Acetonitrile	2.50	41	1053968	11638.07	ng		100
16) C276	Iodomethane	2.43	142	254987	261.45	ng		88
17) C255	Methyl Acetate	2.52	43	368143	294.07	ng		92
18) C962	T-butyl Methyl Ether	2.79	73	606247	261.98	ng		92
19) C057	trans-1,2-Dichloroet	2.79	96	204837	260.87	ng		89
20) C050	1,1-Dichloroethane	3.06	63	361496	259.92	ng		97
21) C125	Vinyl Acetate	3.07	43	1709176	1265.64	ng		98
22) C051	2,2-Dichloropropane	3.48	77	308780	262.28	ng		100
23) C056	cis-1,2-Dichloroethe	3.46	96	220456	259.18	ng		95
24) C272	Tetrahydrofuran	3.67	42	334250	1309.53	ng		98
25) C222	Bromochloromethane	3.63	128	102844	250.12	ng		87
26) C060	Chloroform	3.68	83	353579	254.73	ng		99
28) C256	Cyclohexane	3.89	56	368998	267.32	ng	#	100
29) C115	1,1,1-Trichloroethan	3.83	97	326424	265.37	ng		99
30) C120	Carbon tetrachloride	3.96	117	256550	261.14	ng		93
31) C116	1,1-Dichloropropene	3.94	75	261998	258.82	ng		87

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\080508\F3582.D Vial: 1
Acq On : 5 Aug 2008 18:37 Operator: CDC
Sample : VSTD050 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 05 19:58:30 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Aug 05 19:30:24 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.10	78	751842	256.52	ng		95
34)	C065	1,2-Dichloroethane	4.11	62	304048	247.67	ng		92
35)	C110	2-Butanone	3.45	43	525838	1326.01	ng		88
36)	C150	Trichloroethene	4.60	95	202507	250.35	ng		96
37)	C161	2-Chloroethylvinyl E	5.24	63	610437	1315.09	ng		82
38)	C012	Methylcyclohexane	4.77	83	338788	268.70	ng	#	73
39)	C140	1,2-Dichloropropane	4.78	63	195725	252.21	ng		100
40)	C278	Dibromomethane	4.88	93	117296	253.02	ng		96
41)	C130	Bromodichloromethane	5.00	83	253865	253.15	ng		99
42)	C145	cis-1,3-Dichloroprop	5.38	75	308247	251.75	ng		94
45)	C230	Toluene	5.69	92	502270	241.12	ng		92
46)	C170	trans-1,3-Dichloropr	5.87	75	292964	249.85	ng		99
47)	C284	Ethyl Methacrylate	5.95	69	258727	259.16	ng		94
48)	C160	1,1,2-Trichloroethan	6.04	83	135168	247.92	ng		95
49)	C210	4-Methyl-2-pentanone	5.50	43	1096633	1321.84	ng		94
50)	C220	Tetrachloroethene	6.20	166	215639	251.94	ng		96
51)	C221	1,3-Dichloropropane	6.21	76	292518	248.44	ng		95
52)	C155	Dibromochloromethane	6.43	129	183083	248.82	ng		86
53)	C163	1,2-Dibromoethane	6.54	107	168950	246.26	ng		94
54)	C215	2-Hexanone	6.27	43	794016	1328.49	ng		95
55)	C235	Chlorobenzene	7.02	112	523843	244.23	ng		98
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	185503	246.14	ng		100
57)	C240	Ethylbenzene	7.13	91	952611	250.39	ng		100
58)	C246	m,p-Xylene	7.25	106	688150	506.58	ng		87
59)	C247	o-Xylene	7.65	106	336958	247.01	ng	#	74
60)	C245	Styrene	7.67	104	557430	251.99	ng		92
61)	C180	Bromoform	7.86	173	122756	244.07	ng		86
64)	C966	Isopropylbenzene	8.04	105	881549	249.65	ng		94
65)	C301	Bromobenzene	8.37	156	223241	243.54	ng		94
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	214626	250.93	ng		91
67)	C282	1,2,3-Trichloropropa	8.40	110	66094	240.57	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	412693	1342.47	ng		90
69)	C302	n-Propylbenzene	8.48	91	1133871	255.03	ng		97
70)	C303	O 2-Chlorotoluene	8.57	126	215972	243.69	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	225409	249.03	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	761157	249.49	ng		81
73)	C306	tert-Butylbenzene	9.02	134	169297	252.78	ng	#	82
74)	C307	1,2,4-Trimethylbenze	9.08	105	788948	252.13	ng		90
75)	C308	sec-Butylbenzene	9.26	105	926201	253.95	ng		92
76)	C260	1,3-Dichlorobenzene	9.38	146	430119	244.97	ng		98
77)	C309	p-Cymene (4-Isopropy	9.42	119	869007	255.18	ng		98
78)	C267	1,4-Dichlorobenzene	9.47	146	433589	239.12	ng		96
79)	C249	1,2-Dichlorobenzene	9.84	146	403689	241.30	ng		99
80)	C310	n-Butylbenzene	9.83	91	822148	257.25	ng		99
81)	C286	1,2-Dibromo-3-Chloro	10.55	75	44343	246.04	ng		83
82)	C313	1,2,4-Trichlorobenze	11.26	180	343943	245.02	ng		100
83)	C316	Hexachlorobutadiene	11.40	225	195266	250.78	ng		96
84)	C314	Naphthalene	11.45	128	769368	235.36	ng		98
85)	C934	1,2,3-Trichlorobenze	11.64	180	321957	240.86	ng		98

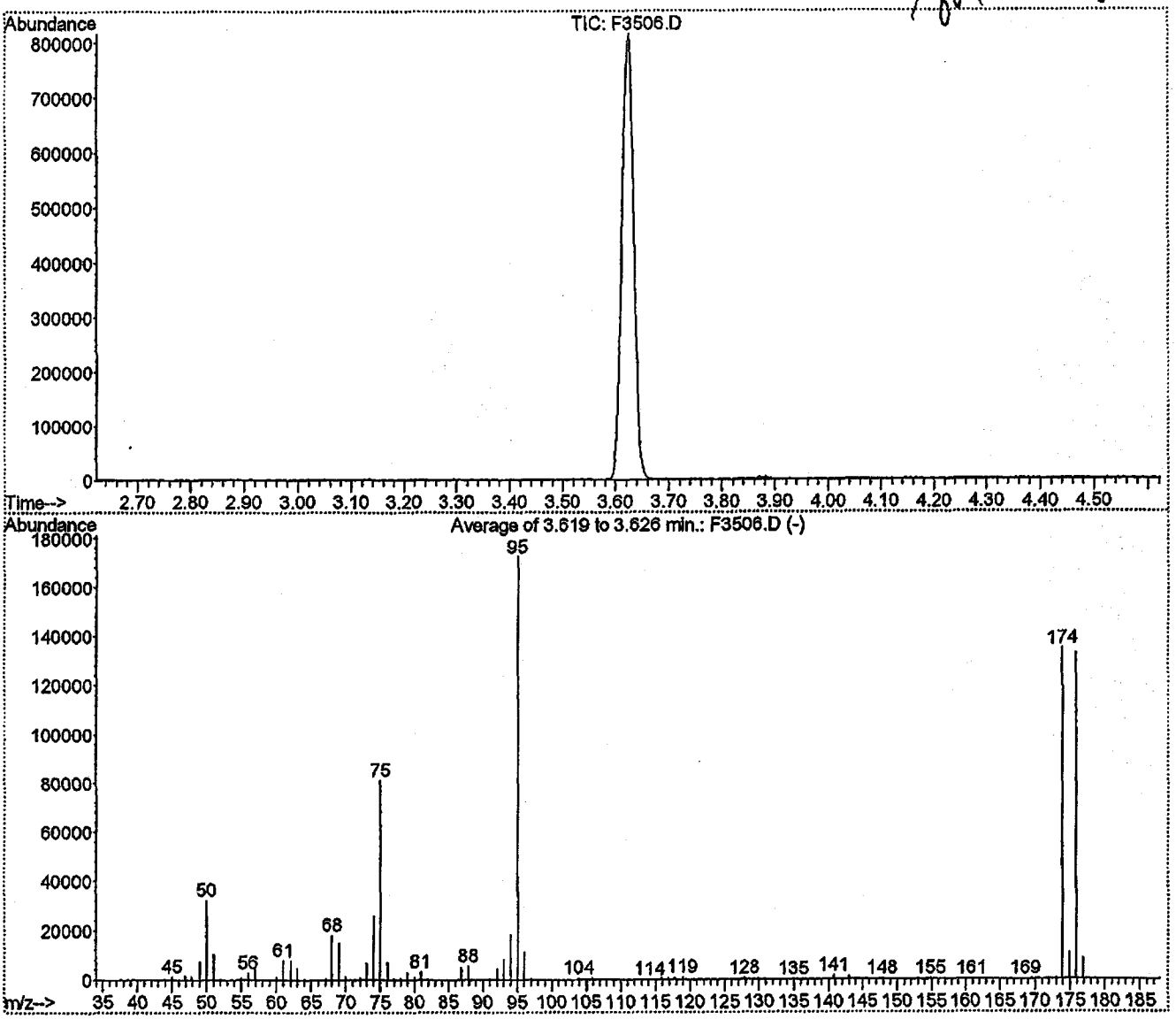
(#) = qualifier out of range (m) = manual integration

Raw QC Data

BFB Tune Evaluation

Data File : H:\GCMS_VOA\F\080108\F3506.D
Acq On : 1 Aug 2008 19:22
Sample : 0801BFBF1
Misc :
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON

Vial: 1
Operator: CDC
Inst : HP5973F
Multiplr: 1.00



Peak Apex is scan: 485 (3.62 min)
Average of 3 scans: 484,485,486 minus background scan 465 (3.55 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	32248	PASS
75	95	30	60	47.0	81168	PASS
95	95	100	100	100.0	172608	PASS
96	95	5	9	6.5	11279	PASS
173	174	0	2	0.3	387	PASS
174	95	50	100	78.1	134749	PASS
175	174	5	9	7.9	10664	PASS
176	174	95	101	98.7	132933	PASS
177	176	5	9	6.3	8340	PASS

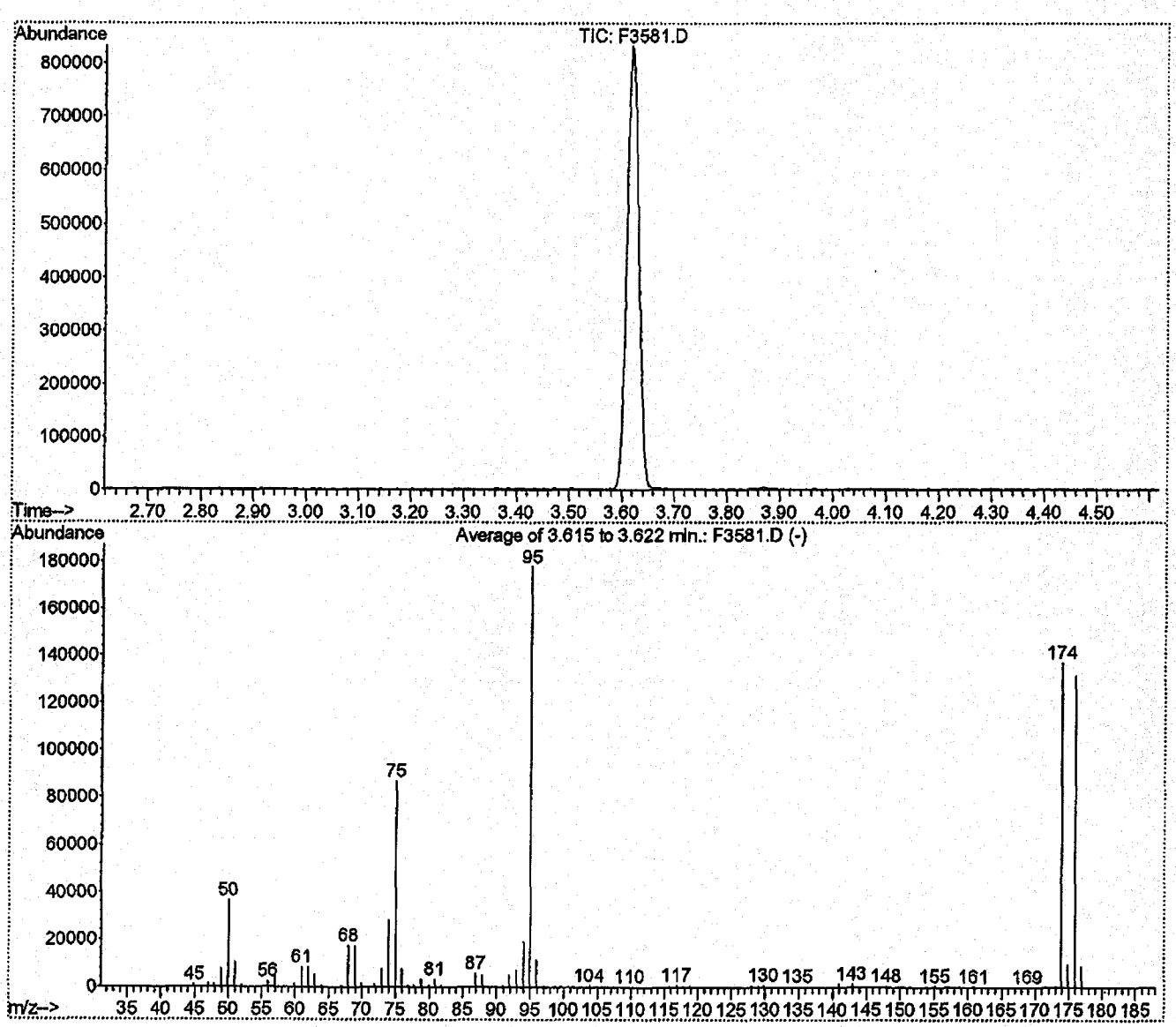
F3506.D A8I00000572.M Fri Aug 01 19:29:23 2008 HP5973F

Average of 3.619 to 3.626 min.: F3506.D
0801BFBF1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
45.05	1211	63.00	4861	80.90	3190	173.90	134749
46.95	1686	68.00	18008	86.90	5037	174.90	10664
47.85	1068	69.00	14723	87.90	5455	175.90	132933
49.00	7152	70.00	1106	92.00	4603	176.90	8340
50.00	32248	72.05	882	93.00	8259		
51.00	10418	72.95	6808	94.00	18338		
56.00	2829	74.00	25864	95.00	172608		
56.95	4406	75.00	81168	96.00	11279		
59.95	1178	76.05	7309	118.95	940		
61.00	7884	78.90	2996	140.80	1592		
62.00	7609	80.05	922	142.95	1368		

BFB Tune Evaluation 5f

Data File : H:\GCMS_VOA\F\080508\F3581.D Vial: 1
Acq On : 5 Aug 2008 18:01 Operator: CDC
Sample : 0805BFBF1 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON



Peak Apex is scan: 484 (3.62 min)
Average of 3 scans: 483,484,485 minus background scan 464 (3.55 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	15	40	20.6	36573	PASS
75	95	30	60	48.8	86741	PASS
95	95	100	100	100.0	177877	PASS
96	95	5	9	6.6	11799	PASS
173	174	0	2	0.3	438	PASS
174	95	50	100	77.1	137082	PASS
175	174	5	9	7.0	9594	PASS
176	174	95	101	96.1	131669	PASS
177	176	5	9	6.7	8862	PASS

F3581.D A8I00000572.M Tue Aug 05 18:21:26 2008 HP5973P

Average of 3.615 to 3.622 min.: F3581.D
0805BFBF1
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
44.95	1080	62.95	5131	86.95	5737	175.90	131669
47.10	1510	68.00	17389	87.90	5081	176.90	8862
47.95	1213	69.00	17347	91.95	5188		
49.00	7677	70.00	1363	93.00	7093		
50.00	36573	71.95	1177	94.00	19266		
51.00	10617	73.00	7804	95.00	177877		
56.00	2345	74.00	28005	95.95	11799		
57.00	4456	75.00	86741	140.90	1399		
60.00	1413	76.00	7774	142.90	1527		
61.00	8310	78.90	3169	173.90	137082		
62.00	8117	80.90	3376	174.90	9594		

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: VBLK75

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B2012702

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3586.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	5	J
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: VBLK75

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B2012702

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3586.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

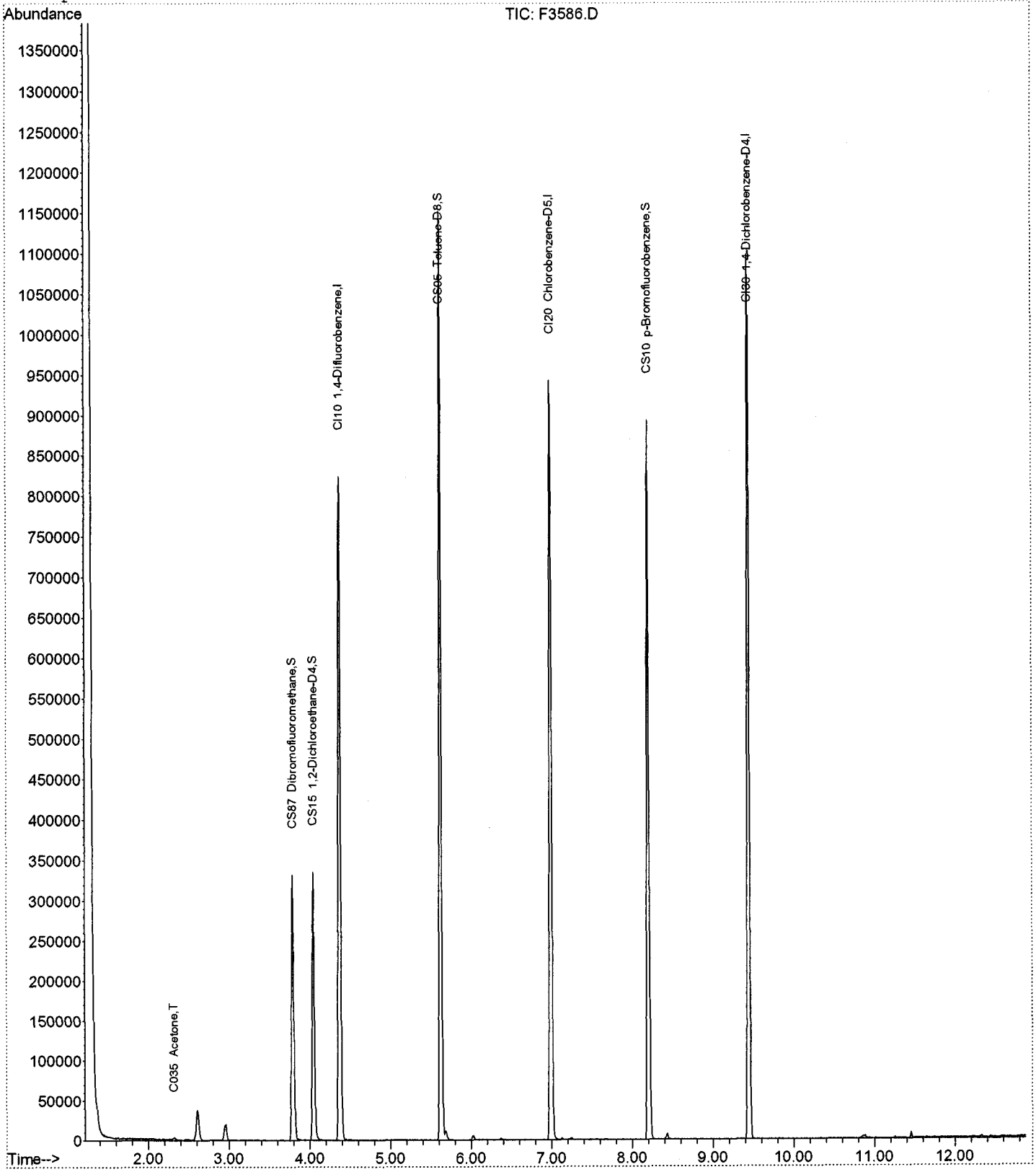
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	15	U

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\F3586.D Vial: 5
Acq On : 5 Aug 2008 20:33 Operator: CDC
Sample : VBLK75 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 5 21:05 2008 Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Mon Aug 11 11:21:10 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3586.D Vial: 5
Acq On : 5 Aug 2008 20:33 Operator: CDC
Sample : VBLK75 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 05 21:05:46 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Aug 05 21:05:35 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080508\F3582.D (5 Aug 2008 18:37)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	634842	250.00	ng	0.00 93.50%
43) CI20	Chlorobenzene-D5	6.99	82	315358	250.00	ng	0.00 92.39%
63) CI30	1,4-Dichlorobenzene-	9.44	152	295177	250.00	ng	0.00 90.57%
System Monitoring Compounds							
27) CS87	Dibromofluoromethane	3.79	111	196923	278.34	ng	0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	111.34%	
32) CS15	1,2-Dichloroethane-D	4.05	65	241119	254.27	ng	0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	101.71%	
44) CS05	Toluene-D8	5.62	98	801351	290.24	ng	0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	116.10%	
62) CS10	p-Bromofluorobenzene	8.20	174	268860	286.37	ng	0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	114.55%	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	0.00	50	0	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C291	1,1,2-Trichloro-1,2,	0.00	101	0	N.D.		
9) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
10) C030	Methylene chloride	2.61	84	22241	Below Cal		91
11) C040	Carbon disulfide	2.48	76	3793	N.D.		
12) C036	Acrolein	0.00	56	0	N.D.		
13) C038	Acrylonitrile	0.00	53	0	N.D.		
14) C035	Acetone	2.32	43	4846	25.03	ng	88
15) C300	Acetonitrile	0.00	41	0	N.D.		
16) C276	Iodomethane	0.00	142	0	N.D.		
17) C255	Methyl Acetate	0.00	43	0	N.D.		
18) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
19) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	3.68	83	302	N.D.		
28) C256	Cyclohexane	0.00	56	0	N.D.		
29) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
30) C120	Carbon tetrachloride	0.00	117	0	N.D.		
31) C116	1,1-Dichloropropene	0.00	75	0	N.D.		

(#) = qualifier out of range (m) = manual integration

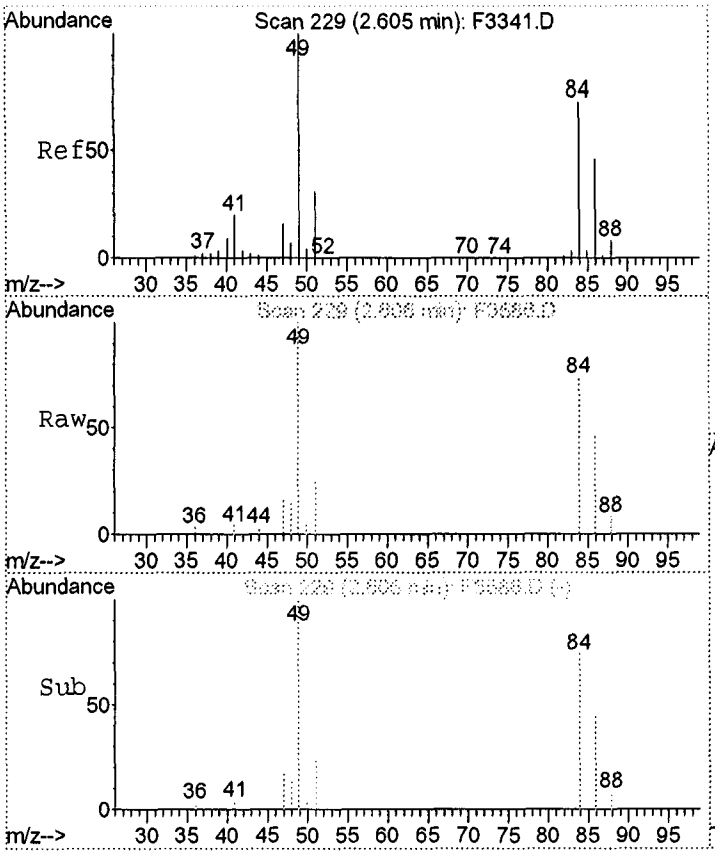
Quantitation Report

Data File : H:\GCMS_VOA\TEMP\F3586.D Vial: 5
Acq On : 5 Aug 2008 20:33 Operator: CDC
Sample : VBLK75 Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 05 21:05:46 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Aug 05 21:05:35 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C165	Benzene	4.10	78	1037	N.D.	
34)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
35)	C110	2-Butanone	3.46	43	161	N.D.	
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
38)	C012	Methylcyclohexane	0.00	83	0	N.D.	
39)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
40)	C278	Dibromomethane	0.00	93	0	N.D.	
41)	C130	Bromodichloromethane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	5.68	92	4223	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	5.63	43	3487	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	6.27	43	130	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	7.13	91	1718	N.D.	
58)	C246	m,p-Xylene	7.24	106	966	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	7.67	104	439	N.D.	
61)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	53	0	N.D.	
69)	C302	n-Propylbenzene	8.48	91	370	N.D.	
70)	C303	O 2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	P 4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	0.00	105	0	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	9.08	105	465	N.D.	
75)	C308	sec-Butylbenzene	9.08	105	465	N.D.	
76)	C260	1,3-Dichlorobenzene	9.47	146	1840	N.D.	
77)	C309	p-Cymene (4-Isopropy	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	9.47	146	1840	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	11.26	180	632	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	11.45	128	5808	N.D.	
85)	C934	1,2,3-Trichlorobenze	11.64	180	377	N.D.	

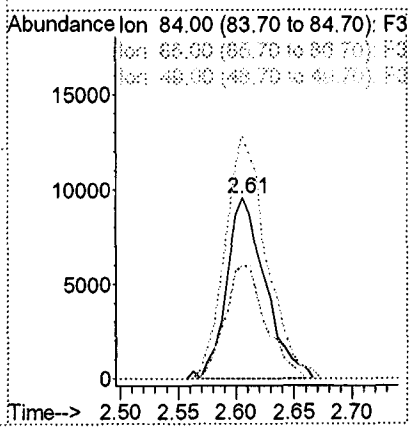
(#) = qualifier out of range (m) = manual integration

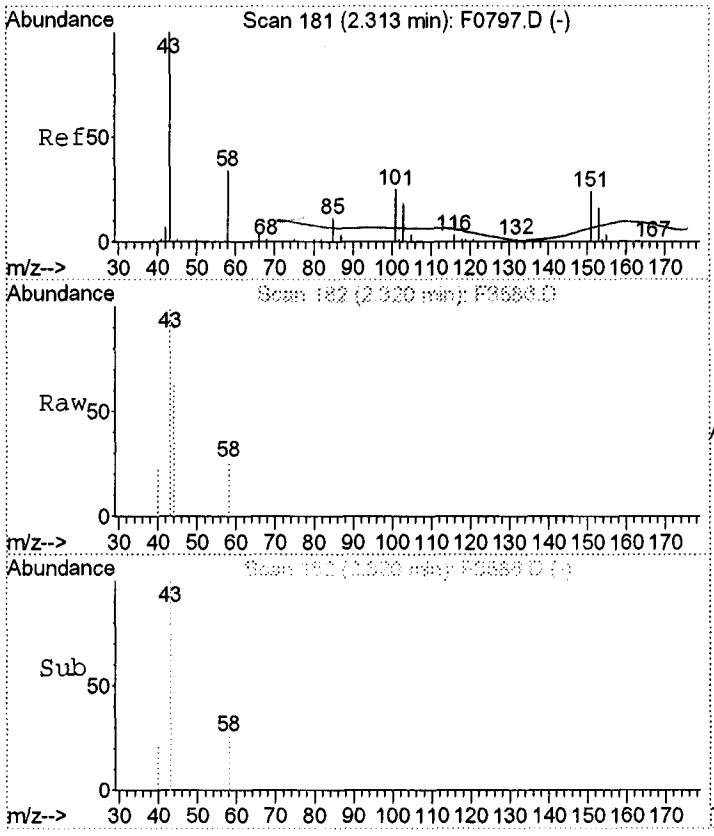


#10
C030 Methylene chloride
Concen: Below Cal
RT: 2.61 min Scan# 229
Delta R.T. -0.00 min
Lab File: F3586.D
Acq: 5 Aug 2008 20:33

Tgt Ion: 84 Resp: 22241

Ion	Ratio	Lower	Upper
84	100		
86	62.3	40.0	100.0
49	134.5	95.0	155.0

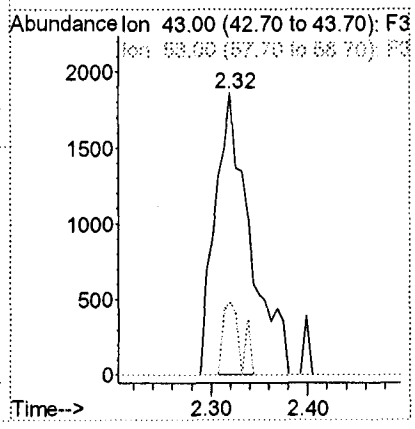




#14
C035 Acetone
Concen: 25.03 ng
RT: 2.32 min Scan# 182
Delta R.T. 0.01 min
Lab File: F3586.D
Acq: 5 Aug 2008 20:33

Tgt Ion: 43 Resp: 4846

Ion	Ratio	Lower	Upper
43	100		
58	26.4	3.0	63.0



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: MSB75

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B2012701

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3583.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. 0 Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	260	B
71-43-2	Benzene	52	
75-27-4	Bromodichloromethane	53	
75-25-2	Bromoform	49	
74-83-9	Bromomethane	48	
78-93-3	2-Butanone	250	
75-15-0	Carbon Disulfide	52	
56-23-5	Carbon Tetrachloride	53	
108-90-7	Chlorobenzene	51	
75-00-3	Chloroethane	51	
67-66-3	Chloroform	52	
74-87-3	Chloromethane	49	
110-82-7	Cyclohexane	50	
106-93-4	1,2-Dibromoethane	51	
124-48-1	Dibromochloromethane	51	
96-12-8	1,2-Dibromo-3-chloropropane	47	
95-50-1	1,2-Dichlorobenzene	50	
541-73-1	1,3-Dichlorobenzene	51	
106-46-7	1,4-Dichlorobenzene	50	
75-71-8	Dichlorodifluoromethane	46	
75-34-3	1,1-Dichloroethane	51	
107-06-2	1,2-Dichloroethane	50	
75-35-4	1,1-Dichloroethene	58	
156-59-2	cis-1,2-Dichloroethene	52	
156-60-5	trans-1,2-Dichloroethene	51	
78-87-5	1,2-Dichloropropane	52	
10061-01-5	cis-1,3-Dichloropropene	52	
10061-02-6	trans-1,3-Dichloropropene	51	
100-41-4	Ethylbenzene	52	
591-78-6	2-Hexanone	250	
98-82-8	Isopropylbenzene	46	
79-20-9	Methyl acetate	38	
108-87-2	Methylcyclohexane	51	
75-09-2	Methylene chloride	49	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MSB75

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8B2012701

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3583.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. 0 Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

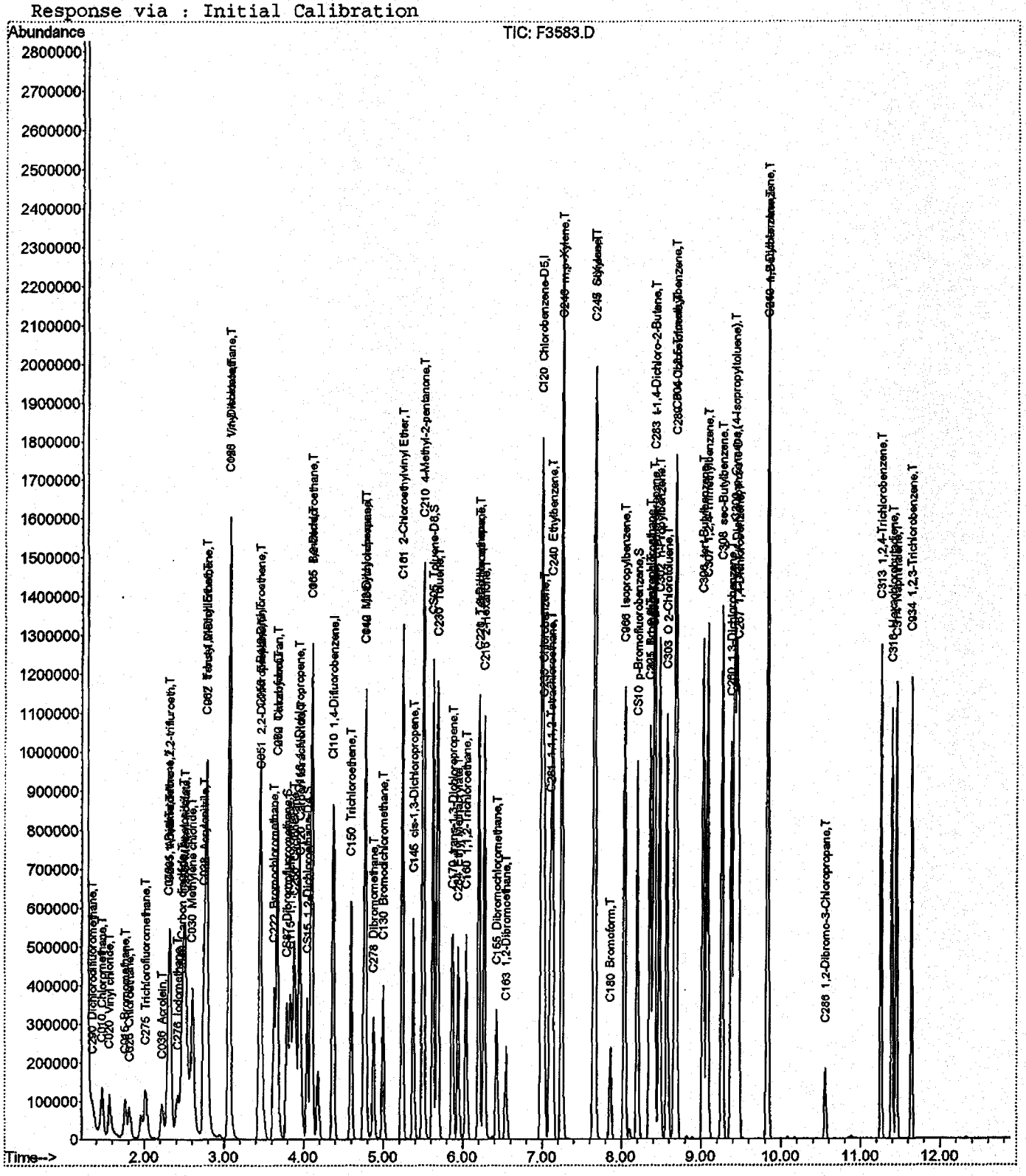
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	250	
1634-04-4	Methyl-t-Butyl Ether (MTBE)	51	
100-42-5	Styrene	54	
79-34-5	1,1,2,2-Tetrachloroethane	52	
127-18-4	Tetrachloroethene	51	
108-88-3	Toluene	50	
120-82-1	1,2,4-Trichlorobenzene	50	
71-55-6	1,1,1-Trichloroethane	52	
79-00-5	1,1,2-Trichloroethane	51	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	55	
75-69-4	Trichlorofluoromethane	51	
79-01-6	Trichloroethene	51	
75-01-4	Vinyl chloride	51	
1330-20-7	Total Xylenes	150	

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\F\080508\F3583.D Vial: 2
Acq On : 5 Aug 2008 19:03 Operator: CDC
Sample : MSB FULL Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 5 20:01 2008 Quant Results File: A8I00000572.RES

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Aug 05 20:00:35 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\F\080508\F3583.D Vial: 2
Acq On : 5 Aug 2008 19:03 Operator: CDC
Sample : MSB FULL Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 05 20:00:45 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Aug 05 20:00:35 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\F\080508\F3582.D (5 Aug 2008 18:37)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	4.38	114	670563	250.00	ng		0.00 98.76%
43) CI20	Chlorobenzene-D5	6.99	82	333875	250.00	ng		0.00 97.82%
63) CI30	1,4-Dichlorobenzene-	9.44	152	322501	250.00	ng		0.00 98.95%
System Monitoring Compounds								
27) CS87	Dibromofluoromethane	3.79	111	206899	276.86	ng		0.00
Spiked Amount	250.000	Range	70 - 130	Recovery	=	110.74%		
32) CS15	1,2-Dichloroethane-D	4.05	65	268382	267.94	ng		0.00
Spiked Amount	250.000	Range	64 - 126	Recovery	=	107.18%		
44) CS05	Toluene-D8	5.62	98	844039	288.75	ng		0.00
Spiked Amount	250.000	Range	71 - 125	Recovery	=	115.50%		
62) CS10	p-Bromofluorobenzene	8.20	174	287839	289.59	ng		0.00
Spiked Amount	250.000	Range	72 - 126	Recovery	=	115.84%		
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	1.35	85	136765	231.39	ng		99
3) C010	Chloromethane	1.47	50	185598	247.16	ng		99
4) C020	Vinyl chloride	1.57	62	168048	254.71	ng		98
5) C015	Bromomethane	1.76	94	89801	238.83	ng		95
6) C025	Chloroethane	1.81	64	86045	255.26	ng		100
7) C275	Trichlorofluorometha	2.02	101	221981m	253.01	ng		95
8) C291	1,1,2-Trichloro-1,2,	2.32	101	133997	273.35	ng		95
9) C045	1,1-Dichloroethene	2.30	96	141108	290.09	ng	#	79
10) C030	Methylene chloride	2.61	84	218229	245.20	ng		84
11) C040	Carbon disulfide	2.47	76	457485	259.87	ng		95
12) C036	Acrolein	2.22	56	117407	1501.38	ng		97
13) C038	Acrylonitrile	2.75	53	392712	1277.11	ng		97
14) C035	Acetone	2.31	43	266300	1302.21	ng		90
15) C300	Acetonitrile	2.49	41	1000429	11185.81	ng		100
16) C276	Iodomethane	2.42	142	201566	209.27	ng		92
17) C255	Methyl Acetate	2.52	43	235424	190.42	ng		91
18) C962	T-butyl Methyl Ether	2.78	73	587986	257.29	ng		92
19) C057	trans-1,2-Dichloroet	2.78	96	197807	255.08	ng		93
20) C050	1,1-Dichloroethane	3.06	63	351686	256.05	ng		99
21) C125	Vinyl Acetate	3.06	43	1920523	1440.03	ng		98
22) C051	2,2-Dichloropropane	3.47	77	298776	256.97	ng		93
23) C056	cis-1,2-Dichloroethe	3.46	96	217458	258.87	ng		97
24) C272	Tetrahydrofuran	3.66	42	310530	1231.90	ng		97
25) C222	Bromochloromethane	3.63	128	104023	256.17	ng		93
26) C060	Chloroform	3.68	83	355312	259.20	ng		100
28) C256	Cyclohexane	3.88	56	338543	248.35	ng	#	100
29) C115	1,1,1-Trichloroethan	3.83	97	314788	259.12	ng		99
30) C120	Carbon tetrachloride	3.96	117	256087	263.94	ng		92
31) C116	1,1-Dichloropropene	3.94	75	260901	260.98	ng		90

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\F\080508\F3583.D Vial: 2
Acq On : 5 Aug 2008 19:03 Operator: CDC
Sample : MSB FULL Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 05 20:00:45 2008 Quant Results File: A8I00000572.RES

Quant Method : C:\MSDCHEM\2...\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Aug 05 20:00:35 2008
Response via : Initial Calibration
DataAcq Meth : VOA

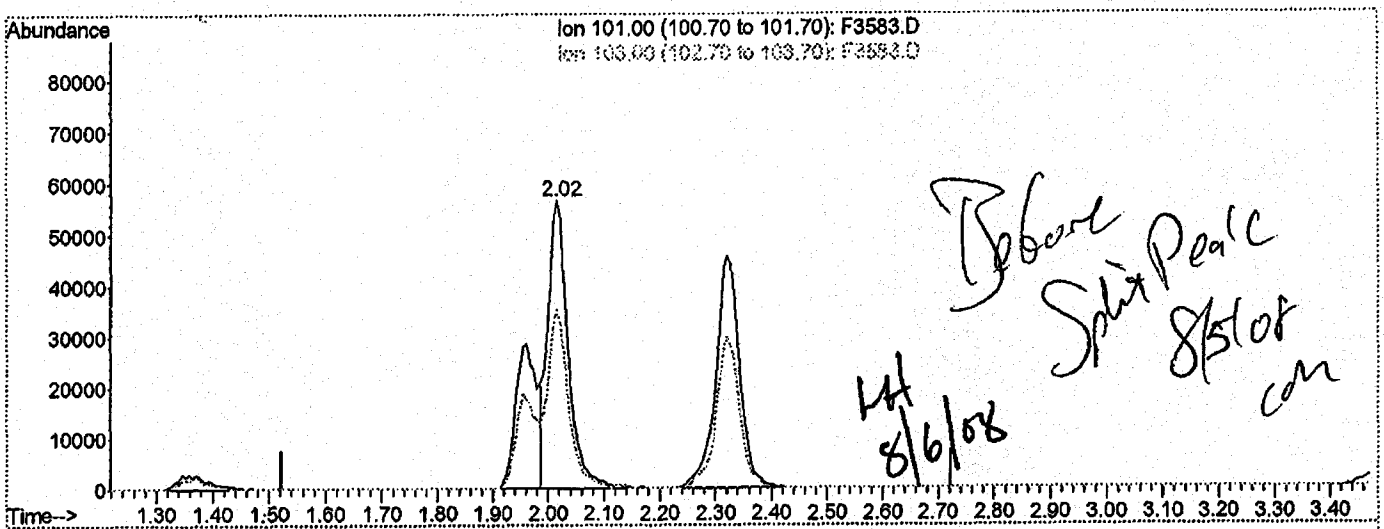
	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C165	Benzene	4.10	78	752387	259.94	ng		96
34)	C065	1,2-Dichloroethane	4.10	62	300453	247.82	ng		92
35)	C110	2-Butanone	3.45	43	495117	1264.24	ng		88
36)	C150	Trichloroethene	4.60	95	205398	257.11	ng		97
37)	C161	2-Chloroethylvinyl E	5.24	63	566761	1236.36	ng		80
38)	C012	Methylcyclohexane	4.77	83	316615	254.27	ng	#	74
39)	C140	1,2-Dichloropropane	4.78	63	197970	258.31	ng		100
40)	C278	Dibromomethane	4.87	93	119113	260.17	ng		97
41)	C130	Bromodichloromethane	5.00	83	260865	263.40	ng		97
42)	C145	cis-1,3-Dichloroprop	5.38	75	315429	260.86	ng		97
45)	C230	Toluene	5.68	92	509002	249.80	ng		89
46)	C170	trans-1,3-Dichloropr	5.87	75	292552	255.07	ng		99
47)	C284	Ethyl Methacrylate	5.94	69	242468	248.30	ng		94
48)	C160	1,1,2-Trichloroethan	6.04	83	136621	256.18	ng		94
49)	C210	4-Methyl-2-pentanone	5.50	43	1030561	1269.93	ng		94
50)	C220	Tetrachloroethene	6.20	166	212083	253.32	ng		97
51)	C221	1,3-Dichloropropane	6.21	76	293969	255.25	ng		97
52)	C155	Dibromochloromethane	6.43	129	184489	256.32	ng		82
53)	C163	1,2-Dibromoethane	6.54	107	172263	256.70	ng		92
54)	C215	2-Hexanone	6.27	43	735105	1257.38	ng		92
55)	C235	Chlorobenzene	7.02	112	533172	254.13	ng		97
56)	C281	1,1,1,2-Tetrachloroe	7.10	131	188648	255.90	ng		98
57)	C240	Ethylbenzene	7.13	91	962344	258.59	ng		97
58)	C246	m,p-Xylene	7.25	106	684434	515.10	ng		83
59)	C247	o-Xylene	7.65	106	339584	254.50	ng	#	76
60)	C245	Styrene	7.67	104	582307	269.12	ng		90
61)	C180	Bromoform	7.86	173	121449	246.60	ng		78
64)	C966	Isopropylbenzene	8.04	105	804236	230.17	ng		94
65)	C301	Bromobenzene	8.37	156	224494	247.50	ng		96
66)	C225	1,1,2,2-Tetrachloroe	8.35	83	220139	260.11	ng		98
67)	C282	1,2,3-Trichloropropa	8.40	110	61284	225.43	ng		100
68)	C283	t-1,4-Dichloro-2-But	8.42	53	362032	1190.16	ng		94
69)	C302	n-Propylbenzene	8.48	91	1123059	255.28	ng		95
70)	C303	O 2-Chlorotoluene	8.57	126	226588	258.37	ng		100
71)	C289	P 4-Chlorotoluene	8.69	126	224529	250.69	ng		100
72)	C304	1,3,5-Trimethylbenze	8.67	105	761989	252.41	ng		81
73)	C306	tert-Butylbenzene	9.02	134	168091	253.65	ng	#	85
74)	C307	1,2,4-Trimethylbenze	9.08	105	787928	254.47	ng		92
75)	C308	sec-Butylbenzene	9.26	105	983286	272.46	ng		92
76)	C260	1,3-Dichlorobenzene	9.38	146	440050	253.29	ng		98
77)	C309	p-Cymene (4-Isopropy	9.42	119	828314	245.81	ng		99
78)	C267	1,4-Dichlorobenzene	9.47	146	445436	248.26	ng		97
79)	C249	1,2-Dichlorobenzene	9.84	146	412727	249.32	ng		99
80)	C310	n-Butylbenzene	9.83	91	804964	254.54	ng		100
81)	C286	1,2-Dibromo-3-Chloro	10.56	75	42287	237.12	ng		99
82)	C313	1,2,4-Trichlorobenze	11.26	180	346687	249.59	ng		99
83)	C316	Hexachlorobutadiene	11.40	225	187040	242.77	ng		98
84)	C314	Naphthalene	11.45	128	782404	241.89	ng		98
85)	C934	1,2,3-Trichlorobenze	11.64	180	320820	242.55	ng		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

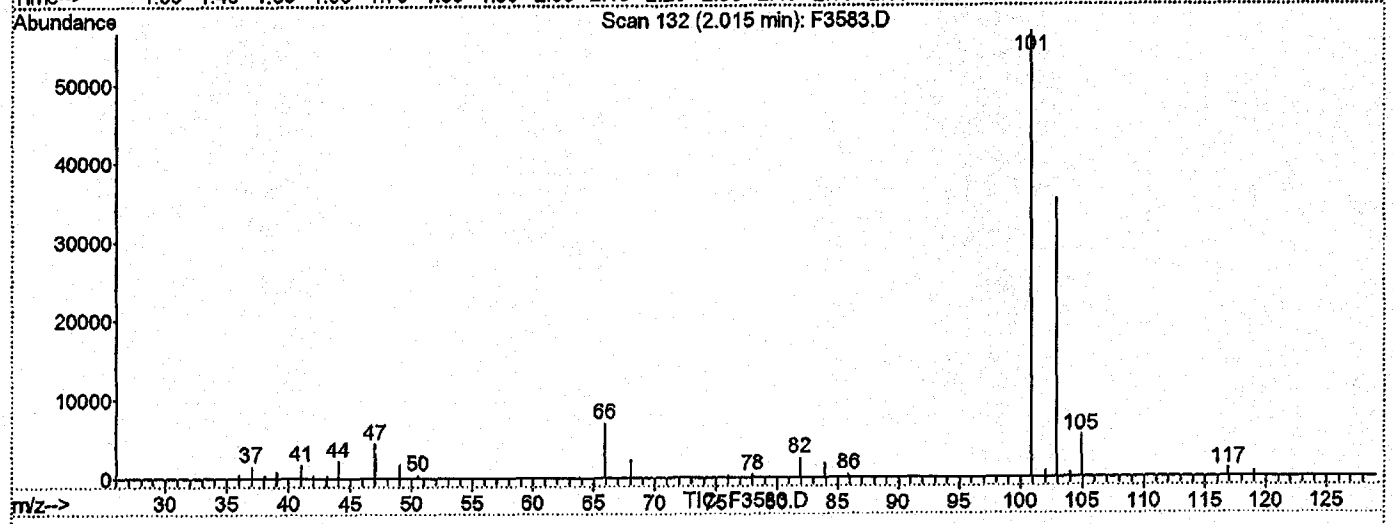
Data File : H:\GCMS_VOA\F\080508\F3583.D Vial: 2
Acq On : 5 Aug 2008 19:03 Operator: CDC
Sample : MSB FULL Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 5 20:00 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Aug 05 20:00:35 2008
Response via : Multiple Level Calibration



Robert Split Peak 8/5/08 cm

MH 8/6/08



(7) C275 Trichlorofluoromethane (T)

2.02min 165.90ng

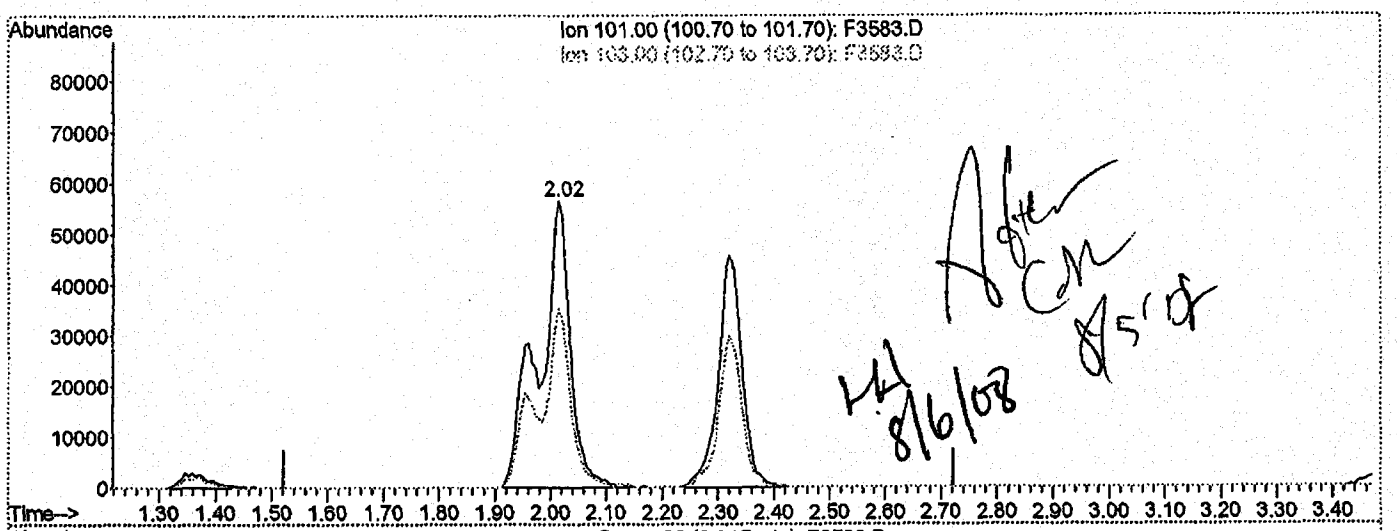
response 145551

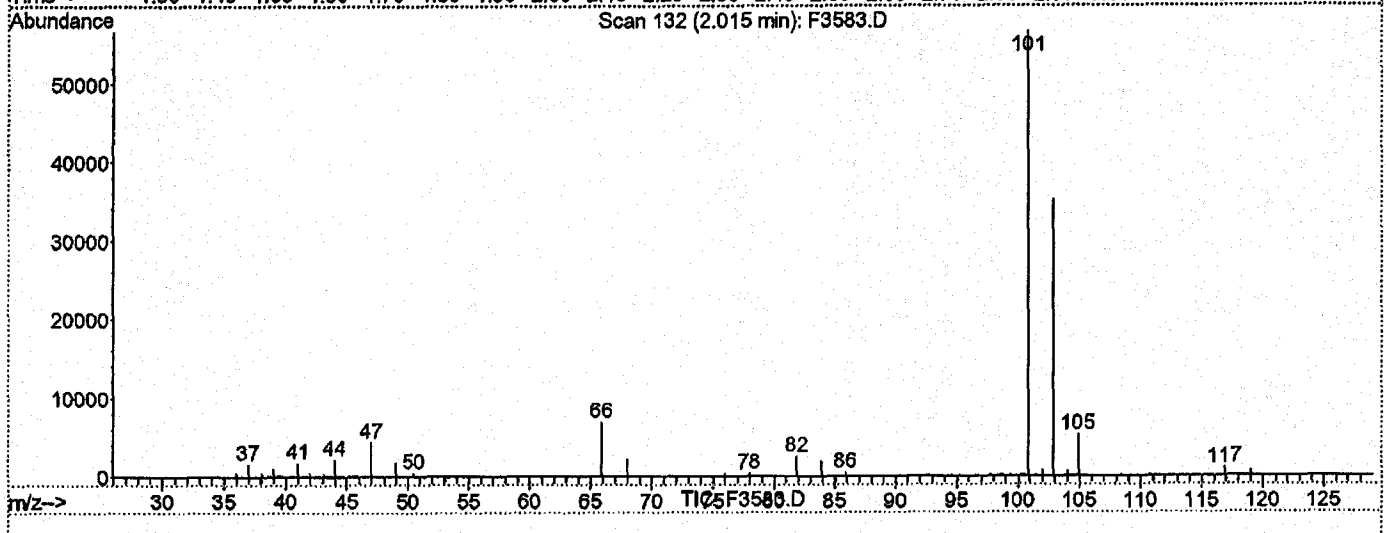
Ion	Exp%	Act%
101.00	100	100
103.00	58.90	62.31
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\F\080508\F3583.D Vial: 2
Acq On : 5 Aug 2008 19:03 Operator: CDC
Sample : MSB FULL Inst : HP5973F
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 5 20:01 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\2\METHODS\F8260\A8I00000572.M (RTE Integrator)
Title : 8260 SOILS ENCON
Last Update : Tue Aug 05 20:00:35 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

2.02min 253.01ng m

response 221981

Ion	Exp%	Act%
101.00	100	100
103.00	58.90	62.31
0.00	0.00	0.00
0.00	0.00	0.00

Dry Weight Log Book
Arcadis G & M Inc

Job Number	Sample I.D.	Vial Number	Analysis Date	Analyst	Product Test Abreviation	Dish Weight (g)	Wet + Dish	Dry + Dish	Wet Weight	Dry Weight	% Dry	Decanted
A08-9368	A8936801		08/06/2008		TCL VOAS	1.28	10.04	9.37	8.76	8.09	92.35	N
A08-9368	A8936802		08/06/2008		TCL VOAS	1.26	19.58	17.13	18.32	15.87	86.63	N
A08-9368	A8936803		08/06/2008		TCL VOAS	1.25	13.83	11.90	12.58	10.65	84.66	N
A08-9368	A8936804		08/06/2008		TCL VOAS	1.30	10.55	9.73	9.25	8.43	91.14	N
A08-9368	A8936805		08/06/2008		TCL VOAS	1.28	7.88	7.27	6.60	5.99	90.76	N
A08-9368	A8936806		08/06/2008		TCL VOAS	1.25	10.04	9.44	8.79	8.19	93.17	N

GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
7/21/08	2235	CM	FJ487	A891300I	900	5uL	5.11	
	2250		FJ488	04			5.23	
	2306		FJ489	05			5.01	
	2321		FJ490	06			5.11	
8/1/08	0007		FJ491	07			5.07	
	0022		FJ492	09			4.99	
	0038		FJ493	A891801	901		5.22	
	0124		FJ494	02			4.97	
	0149		FJ495	03			5.19	
	0215		FJ496	04			5.15	
	0240		FJ497	05			4.96	
8/1/08	1330	RJ	FJ498	0801BFBFI	—	1uL	—	—
			FJ499	VSTD005	—	5uL	—	—
			FJ500	VSTD005				—
			FJ501	VSTD020				—
			FJ502	VSTD050				—
			FJ503	VSTD100				—
			FJ504	VSTD200				—
			FJ505	IBLK				—
8/1/08	1922	CM	FJ506	0801IJFJ	CAL	1uL	—	
			FJ507	VSTD005		5mL	5.00	
	2010		FJ508	VSTD005				
	2036		FJ509	VSTD020				
	2102		FJ510	VSTD050				
	2127		FJ511	VSTD100				
	2153		FJ512	VSTD200				
	2218		FJ513	IBLK	—			
	2244		FJ514	MSB/SSALCIK	IJC			
			FJ515	A08D780				
			FJ516	VSL-L70				
			FJ517					
			FJ518					
			FJ519					
			FJ520					
			FJ521					
			FJ522					
			FJ523					
			FJ524					

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

STD #	IS/SS MIX #	ReRun?	pH <2	Comments
	IS10FH/KA	Y		MLDF10
		Y		
		Y		Sg+blk
		Y		Sg+blk
		Y		Sg+blk
		Y		
		Y		
		Y		
		Y		Sg clo
WS1AG-4				PASS
WS6AI-4 WS12AJ-18 WS3BH-1	IS10 FH/KA			NJ
				Not used - Reinjected CM 8/1/08
WS1AG-4				PASS
WS6AI-4 WS12AJ-18 WS3BH-1	IS10FH/KA			Not used
				Sg62,Soil (ASE-0572)
WS19AW-4 WS19AX-8				OK - pH 1 @ 05mg - CM 8/1/08

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
8/5/08	0243	CJC	FJ563	A8/88702	9188	5uL	5.37	1
	0309		FJ564	03			5.06	
	0335		FJ565	04			5.22	
	0400		FJ566	A8/89/01	9189		5.07	
	0426		FJ567	02			5.10	
	0451		FJ568	03			5.02	
	0517		FJ569	04			5.10	
	0542		FJ570	05			5.09	
	0608		FJ571	06			5.12	
	0634		FJ572	07			5.00	
	0659		FJ573	08			5.15	
	0725		FJ574	09			5.18	
	0750		FJ575	10			5.21	
	0816		FJ576	11			5.01	
	0841		FJ577	12			5.18	
	0907		FJ578	13			5.10	
	0932		FJ579	A8/89/0705	9192		5.18	
	0958		FJ580	L0705			5.02	
8/5/08	1801	CJC	FJ581	0805S5-FJF1	CJC	1uL	—	—
	1827		FJ582	VSTD050		5uL	5.00	
	1903		FJ583	MSS Fuel				
	1929		FJ584	A8/0050				
	1954		FJ585	LB1UC-74				
	2033		FJ586	LB1UC 75				
	2103		FJ587	A8/89/01 RE	9189		1.18	
	2129		FJ588	05 RE			1.20	
	2156		FJ589	06 RE			1.23	
	2220		FJ590	08 RE			1.19	
	2246		FJ591	09 RE			1.00	
	2311		FJ592	11 RE			1.06	
	2337		FJ593	12 RE			1.03	
8/6/08	0002		FJ594	A8/9208 01	9208		5.15	
	0028		FJ595	04			5.17	
	0054		FJ596	05			5.20	
	0119		FJ597	07			5.02	
	0145		FJ598	09			5.02	
	0210		FJ599	11			5.23	
	0235		FJ600	A8/9209 01	9209		4.16	

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

STD #	IS/SS MIX #	Reflux?	pH <2	Comments
	IS10FH/XA			
		Y		RA ISOM
		Y		RA lg Surrogate
		Y		RA lg Surrogate
		Y		RA lg Surrogate
		Y		RA lg Surrogate
		Y		RA lg Surrogate
		Y		RA lg Surrogate
LWS19AW-7 LWS19AX-10				
LWD1A6-4	—		—	PASS
WD6AE-4 WS12AJ-8 LWD1JBH-1	IS10FH/XA		—	SP60 Soil (ASE-0572)
WS19AW-3 LWD19AX-10			—	
WS5AJ-2 WS5AK-2			—	Soil Add (ASE-0025)

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
8/6/08	0301	CJL	FJ601	AB935401	9J54	5uL	5.02	1
	0326		FJ602	AB935402	9J68		5.00	
	0352		FJ603	02			5.35	
	0418		FJ604	03			5.23	
	0443		FJ605	04			5.06	
	0509		FJ606	05			5.10	
	0534		FJ607	06			5.07	
	0600		FJ608	06mS			5.07	
	0625		FJ609	06SD			5.19	

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-02-03

STD #	IS/SS MIX #	Return?	pH <2	Comments
	ISS10FAIXA			
L7SIFAW7 C2185AX40				12HR

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ANALYTICAL REPORT
Revised

Job#: A08-9621

Project#: NY9A8463
Site Name: ARCADIS
Task: LMC - Utica, NY

Jeff Bonsteel
465 New Karner Road
Albany, NY 12205

TestAmerica Laboratories Inc.

Candace L. Fox
Project Manager

02/23/2009

METHODS SUMMARY

Job#: A08-9621

Project#: NY9A8463
Site Name: ARCADIS

PARAMETER	ANALYTICAL METHOD
METHOD 8260 - TCL VOLATILE ORGANICS	SW8463 8260

References:

SW8463 "Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW846), Third Edition, 9/86; Update I, 7/92; Update IIA, 8/93; Update II, 9/94; Update IIB, 1/95; Update III, 12/96.

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	MATRIX	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A8962107	DUP-1 080608	WATER	08/06/2008	00:00	08/08/2008	09:15
A8962105	PZ-10	WATER	08/06/2008	12:50	08/08/2008	09:15
A8962102	PZ-5	WATER	08/06/2008	11:35	08/08/2008	09:15
A8962103	PZ-6	WATER	08/06/2008	12:00	08/08/2008	09:15
A8962104	PZ-7	WATER	08/06/2008	12:20	08/08/2008	09:15
A8962101	PZ-8	WATER	08/06/2008	11:10	08/08/2008	09:15
A8962106	PZ-9	WATER	08/06/2008	13:20	08/08/2008	09:15
A8962108	TRIP BLANK	WATER	08/06/2008	00:00	08/08/2008	09:15

SDG NARRATIVE

Job#: A08-9621

Project#: NY9A8463
Site Name: ARCADIS

General Comments

The enclosed data may or may not have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A08-9621
Sample Cooler(s) were received at the following temperature(s); 2.0 °C
All samples were received in good condition.

Revision Comments

GC/MS Volatile Data (Revision)

Linear regression was used to calibrate all analytes that were greater than 15% RSD in the initial calibration standard curve A8I0000550-1.

For method 8260, samples PZ-5, PZ-6 and PZ-8 exhibited a pH 7 at the time of analysis. The analysis was performed after the recommended 7 days for un-preserved samples, therefore all detected concentrations should be considered minimum values and the results estimated. All other samples were preserved to a pH less than 2.

Due to the amount of sediment present in the sample vials, volumes from two separate vials were combined for samples PZ-9 and PZ-10.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

DUP-1 080608

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962107

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0410.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	32	
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	0.91	J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

DUP-1 080608

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962107

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0410.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	1.1	J
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	1.0	J
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-10

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962105

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0408.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	26	
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	2.7	J
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-10

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962105

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0408.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: PZ-5

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962102

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0405.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 4.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	41	J
71-43-2	Benzene	20	U
75-27-4	Bromodichloromethane	20	U
75-25-2	Bromoform	20	U
74-83-9	Bromomethane	20	U
78-93-3	2-Butanone	100	U
75-15-0	Carbon Disulfide	20	U
56-23-5	Carbon Tetrachloride	20	U
108-90-7	Chlorobenzene	20	U
75-00-3	Chloroethane	20	U
67-66-3	Chloroform	20	U
74-87-3	Chloromethane	20	U
110-82-7	Cyclohexane	20	U
106-93-4	1,2-Dibromoethane	20	U
124-48-1	Dibromochloromethane	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
75-71-8	Dichlorodifluoromethane	20	U
75-34-3	1,1-Dichloroethane	20	U
107-06-2	1,2-Dichloroethane	20	U
75-35-4	1,1-Dichloroethene	20	U
156-59-2	cis-1,2-Dichloroethene	26	
156-60-5	trans-1,2-Dichloroethene	20	U
78-87-5	1,2-Dichloropropane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
100-41-4	Ethylbenzene	10	J
591-78-6	2-Hexanone	100	U
98-82-8	Isopropylbenzene	20	U
79-20-9	Methyl acetate	20	U
108-87-2	Methylcyclohexane	20	U
75-09-2	Methylene chloride	20	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-5

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962102

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0405.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 4.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	100	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	20	U
100-42-5	Styrene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
127-18-4	Tetrachloroethene	8.6	J
108-88-3	Toluene	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U
71-55-6	1,1,1-Trichloroethane	20	U
79-00-5	1,1,2-Trichloroethane	20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U
75-69-4	Trichlorofluoromethane	20	U
79-01-6	Trichloroethene	9.5	J
75-01-4	Vinyl chloride	5.9	J
1330-20-7	Total Xylenes	34	J

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: PZ-6

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962103

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0406.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 4.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	45	J
71-43-2	Benzene	20	U
75-27-4	Bromodichloromethane	20	U
75-25-2	Bromoform	20	U
74-83-9	Bromomethane	20	U
78-93-3	2-Butanone	100	U
75-15-0	Carbon Disulfide	20	U
56-23-5	Carbon Tetrachloride	20	U
108-90-7	Chlorobenzene	20	U
75-00-3	Chloroethane	20	U
67-66-3	Chloroform	20	U
74-87-3	Chloromethane	20	U
110-82-7	Cyclohexane	20	U
106-93-4	1,2-Dibromoethane	20	U
124-48-1	Dibromochloromethane	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
75-71-8	Dichlorodifluoromethane	20	U
75-34-3	1,1-Dichloroethane	20	U
107-06-2	1,2-Dichloroethane	20	U
75-35-4	1,1-Dichloroethene	20	U
156-59-2	cis-1,2-Dichloroethene	19	J
156-60-5	trans-1,2-Dichloroethene	20	U
78-87-5	1,2-Dichloropropane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
100-41-4	Ethylbenzene	20	U
591-78-6	2-Hexanone	100	U
98-82-8	Isopropylbenzene	20	U
79-20-9	Methyl acetate	20	U
108-87-2	Methylcyclohexane	20	U
75-09-2	Methylene chloride	20	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-6

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962103

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0406.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 4.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	100	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	20	U
100-42-5	Styrene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
127-18-4	Tetrachloroethene	14	J
108-88-3	Toluene	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U
71-55-6	1,1,1-Trichloroethane	20	U
79-00-5	1,1,2-Trichloroethane	20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U
75-69-4	Trichlorofluoromethane	20	U
79-01-6	Trichloroethene	19	J
75-01-4	Vinyl chloride	9.6	J
1330-20-7	Total Xylenes	60	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-7

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962104

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0407.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	33	
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	0.91	J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-7

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962104

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0407.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	1.1	J
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	0.94	J
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-8

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962101

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0404.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 4.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	770	
71-43-2	Benzene	20	U
75-27-4	Bromodichloromethane	20	U
75-25-2	Bromoform	20	U
74-83-9	Bromomethane	20	U
78-93-3	2-Butanone	100	U
75-15-0	Carbon Disulfide	20	U
56-23-5	Carbon Tetrachloride	20	U
108-90-7	Chlorobenzene	20	U
75-00-3	Chloroethane	20	U
67-66-3	Chloroform	20	
74-87-3	Chloromethane	20	U
110-82-7	Cyclohexane	20	U
106-93-4	1,2-Dibromoethane	20	U
124-48-1	Dibromochloromethane	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
75-71-8	Dichlorodifluoromethane	20	U
75-34-3	1,1-Dichloroethane	20	U
107-06-2	1,2-Dichloroethane	20	U
75-35-4	1,1-Dichloroethene	20	U
156-59-2	cis-1,2-Dichloroethene	1.8	J
156-60-5	trans-1,2-Dichloroethene	20	U
78-87-5	1,2-Dichloropropane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
100-41-4	Ethylbenzene	20	U
591-78-6	2-Hexanone	100	U
98-82-8	Isopropylbenzene	20	U
79-20-9	Methyl acetate	20	U
108-87-2	Methylcyclohexane	20	U
75-09-2	Methylene chloride	20	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-8

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962101

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0404.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 4.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	100	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	20	U
100-42-5	Styrene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
127-18-4	Tetrachloroethene	14	J
108-88-3	Toluene	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U
71-55-6	1,1,1-Trichloroethane	20	U
79-00-5	1,1,2-Trichloroethane	20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U
75-69-4	Trichlorofluoromethane	20	U
79-01-6	Trichloroethene	4.1	J
75-01-4	Vinyl chloride	20	U
1330-20-7	Total Xylenes	60	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: PZ-9

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962106

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0409.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	150	
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	2.6	J
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	0.40	J
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	3.0	J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	1.5	J

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: PZ-9

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962106

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0409.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962108

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0411.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962108

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0411.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
WATER SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

	Client Sample ID	Lab Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#						TOT OUT
1	DUP-1 080608	A8962107	91		116		101							0
2	MSB36	A8B2069601	94		110		104							0
3	PZ-10	A8962105	94		115		101							0
4	PZ-5	A8962102	97		114		103							0
5	PZ-6	A8962103	94		115		104							0
6	PZ-7	A8962104	91		112		100							0
7	PZ-8	A8962101	94		114		105							0
8	PZ-9	A8962106	96		118		104							0
9	TRIP BLANK	A8962108	94		117		104							0
10	VBLK36	A8B2069602	93		111		102							0

QC LIMITS

BFB = p-Bromofluorobenzene (73-120)
DCE = 1,2-Dichloroethane-D4 (66-137)
TOL = Toluene-D8 (71-126)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

METHOD 8260 - TCL VOLATILE ORGANICS
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B2069602

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: VBLK36

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	25.0	26.8	107	73 - 143
Trichloroethene	25.0	25.9	104	77 - 123
Benzene	25.0	25.7	103	76 - 121
Toluene	25.0	25.4	102	69 - 120
Chlorobenzene	25.0	25.7	103	73 - 120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.
VBLK36

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: P0403.RR Lab Sample ID: A8B2069602

Date Analyzed: 08/15/2008 Time Analyzed: 11:40

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973P

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	DUP-1 080608	A8962107	P0410.RR	14:58
2	MSB36	A8B2069601	P0401.RR	10:44
3	PZ-10	A8962105	P0408.RR	14:02
4	PZ-5	A8962102	P0405.RR	12:38
5	PZ-6	A8962103	P0406.RR	13:06
6	PZ-7	A8962104	P0407.RR	13:34
7	PZ-8	A8962101	P0404.RR	12:10
8	PZ-9	A8962106	P0409.RR	14:30
9	TRIP BLANK	A8962108	P0411.RR	15:26

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK36

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8B2069602

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0403.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK36

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8B2069602

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0403.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0002033

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): P0400.RR Date Analyzed: 08/15/2008

Instrument ID: HP5973P Time Analyzed: 10:01

GC Column(1): ZB-624 ID: 0.250(mm) Heated Purge: (Y/N) N

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		539091		13.54		287481		16.91		576449		9.65	
	UPPER LIMIT		1078182		14.04		574962		17.41		1152898		10.15	
	LOWER LIMIT		269546		13.04		143741		16.41		288225		9.15	
	CLIENT SAMPLE	Lab Sample ID												
1	DUP-1 080608	A89621D7	427258		13.54		217787		16.91		457153		9.66	
2	MSB36	A8B2069601	487520		13.54		254944		16.91		542626		9.65	
3	PZ-10	A8962105	431374		13.54		222044		16.91		465117		9.66	
4	PZ-5	A8962102	434214		13.54		226731		16.91		467748		9.66	
5	PZ-6	A8962103	428613		13.54		223310		16.91		467122		9.66	
6	PZ-7	A8962104	449374		13.54		227342		16.91		483754		9.66	
7	PZ-8	A8962101	435746		13.54		221823		16.91		477973		9.66	
8	PZ-9	A8962106	421251		13.54		219009		16.91		453689		9.66	
9	TRIP BLANK	A8962108	407620		13.54		212164		16.91		442691		9.66	
10	VBLK36	A8B2069602	466987		13.54		241847		16.91		509998		9.66	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

\# Column to be used to flag recovery values
* Values outside of contract required QC limits

8260 Volatiles

QC Summary

METHOD 8260 - TCL VOLATILE ORGANICS
WATER SURROGATE RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

	Client Sample ID	Lab Sample ID	BFB %REC	#	DCE %REC	#	TOL %REC	#							TOT OUT
1	DUP-1 080608	A8962107	91		116		101								0
2	MSB36	A8B2069601	94		110		104								0
3	PZ-10	A8962105	94		115		101								0
4	PZ-5	A8962102	97		114		103								0
5	PZ-6	A8962103	94		115		104								0
6	PZ-7	A8962104	91		112		100								0
7	PZ-8	A8962101	94		114		105								0
8	PZ-9	A8962106	96		118		104								0
9	TRIP BLANK	A8962108	94		117		104								0
10	VBLK36	A8B2069602	93		111		102								0

			QC LIMITS
BFB	=	p-Bromofluorobenzene	(73-120)
DCE	=	1,2-Dichloroethane-D4	(66-137)
TOL	=	Toluene-D8	(71-126)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

METHOD 8260 - TCL VOLATILE ORGANICS
WATER MATRIX SPIKE BLANK RECOVERY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Lab Samp ID: A8B2069602

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix Spike - Client Sample No.: VBLK36

COMPOUND	SPIKE ADDED UG/L	MSB CONCENTRATION UG/L	MSB % REC #	QC LIMITS REC.
1,1-Dichloroethene	25.0	26.8	107	73 - 143
Trichloroethene	25.0	25.9	104	77 - 123
Benzene	25.0	25.7	103	76 - 121
Toluene	25.0	25.4	102	69 - 120
Chlorobenzene	25.0	25.7	103	73 - 120

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike recovery: 0 out of 5 outside limits

Comments: _____

METHOD 8260 - TCL VOLATILE ORGANICS
METHOD BLANK SUMMARY

Client No.: VBLK36

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: P0403.RR Lab Sample ID: A8B2069602

Date Analyzed: 08/15/2008 Time Analyzed: 11:40

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5973P

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
1	DUP-1 080608	A8962107	P0410.RR	14:58
2	MSB36	A8B2069601	P0401.RR	10:44
3	PZ-10	A8962105	P0408.RR	14:02
4	PZ-5	A8962102	P0405.RR	12:38
5	PZ-6	A8962103	P0406.RR	13:06
6	PZ-7	A8962104	P0407.RR	13:34
7	PZ-8	A8962101	P0404.RR	12:10
8	PZ-9	A8962106	P0409.RR	14:30
9	TRIP BLANK	A8962108	P0411.RR	15:26

Comments: _____

ARCADIS G & M INC
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0002142

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: P9603 BFB Injection Date: 07/23/2008

Instrument ID: HP5973P BFB Injection Time: 15:50

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N): N

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	30.1		
75	30.0 - 60.0% of mass 95	52.4		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	7.4		
173	Less than 2.0% of mass 174	0.0	(0.0)	1
174	50 - 120 % of mass 95	65.0		
175	5.0 - 9.0% of mass 174	4.4	(6.8)	1
176	95.0 - 101.0% of mass 174	63.8	(98.2)	1
177	5.0 - 9.0% of mass 176	4.4	(6.9)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD001	A8I0000550-1	P9604.RR	07/23/2008	16:14
2	VSTD010	A8I0000550-1	P9606.RR	07/23/2008	17:10
3	VSTD025	A8I0000550-1	P9607.RR	07/23/2008	17:38
4	VSTD050	A8I0000550-1	P9608.RR	07/23/2008	18:06
5	VSTD100	A8I0000550-1	P9609.RR	07/23/2008	18:34

ARCADIS G & M INC
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Laboratories Contract: _____ Tune ID: A8T0002402

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID: P0399 BFB Injection Date: 08/15/2008

Instrument ID: HP5973P BFB Injection Time: 09:37

GC Column: ZB-624 ID: 0.25 (mm) Heated Purge: (Y/N): N

m/e	ION Abundance Criteria	% Relative Abundance		
50	15.0 - 40.0% of mass 95	31.5		
75	30.0 - 60.0% of mass 95	49.7		
95	Base peak, 100% relative abundance	100.0		
96	5.0 - 9.0% of mass 95	7.7		
173	Less than 2.0% of mass 174	0.0	(0.0)	1
174	50 - 120 % of mass 95	67.8		
175	5.0 - 9.0% of mass 174	4.9	(7.2)	1
176	95.0 - 101.0% of mass 174	65.4	(96.4)	1
177	5.0 - 9.0% of mass 176	4.4	(6.8)	2

1-Value is % mass 174 2-Value is % mass 176

This Tune Applies to the Following Samples, MS, MSD, Blanks, and Standards:

	Client Sample No.	Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed
1	VSTD025	A8C0002033-1	P0400.RR	08/15/2008	10:01
2	MSB36	A8B2069601	P0401.RR	08/15/2008	10:44
3	VBLK36	A8B2069602	P0403.RR	08/15/2008	11:40
4	PZ-8	A8962101	P0404.RR	08/15/2008	12:10
5	PZ-5	A8962102	P0405.RR	08/15/2008	12:38
6	PZ-6	A8962103	P0406.RR	08/15/2008	13:06
7	PZ-7	A8962104	P0407.RR	08/15/2008	13:34
8	PZ-10	A8962105	P0408.RR	08/15/2008	14:02
9	PZ-9	A8962106	P0409.RR	08/15/2008	14:30
10	DUP-1 080608	A8962107	P0410.RR	08/15/2008	14:58
11	TRIP BLANK	A8962108	P0411.RR	08/15/2008	15:26

METHOD 8260 - TCL VOLATILE ORGANICS
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: TestAmerica Laboratories Inc. Contract: _____ Labsampid: A8C0002033

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Lab File ID (Standard): P0400.RR Date Analyzed: 08/15/2008

Instrument ID: HP5973P Time Analyzed: 10:01

GC Column(1): ZB-624 ID: 0.250(mm) Heated Purge: (Y/N) N

			IS1 (CBZ) AREA	#	RT	#	IS2 (DCB) AREA	#	RT	#	IS3 (DFB) AREA	#	RT	#
	12 HOUR STD		539091		13.54		287481		16.91		576449		9.65	
	UPPER LIMIT		1078182		14.04		574962		17.41		1152898		10.15	
	LOWER LIMIT		269546		13.04		143741		16.41		288225		9.15	
	CLIENT SAMPLE	Lab Sample ID												
1	DUP-1 080608	A8962107	427258		13.54		217787		16.91		457153		9.66	
2	MSB36	A8B2069601	487520		13.54		254944		16.91		542626		9.65	
3	PZ-10	A8962105	431374		13.54		222044		16.91		465117		9.66	
4	PZ-5	A8962102	434214		13.54		226731		16.91		467748		9.66	
5	PZ-6	A8962103	428613		13.54		223310		16.91		467122		9.66	
6	PZ-7	A8962104	449374		13.54		227342		16.91		483754		9.66	
7	PZ-8	A8962101	435746		13.54		221823		16.91		477973		9.66	
8	PZ-9	A8962106	421251		13.54		219009		16.91		453689		9.66	
9	TRIP BLANK	A8962108	407620		13.54		212164		16.91		442691		9.66	
10	VBLK36	A8B2069602	466987		13.54		241847		16.91		509998		9.66	

	AREA UNIT QC LIMITS	RT QC LIMITS
IS1 (CBZ) = Chlorobenzene-D5	(50-200)	-0.50 / +0.50 min
IS2 (DCB) = 1,4-Dichlorobenzene-D4	(50-200)	-0.50 / +0.50 min
IS3 (DFB) = 1,4-Difluorobenzene	(50-200)	-0.50 / +0.50 min

Column to be used to flag recovery values
* Values outside of contract required QC limits

Laboratory: A
oject Manager: CLF

Client Name	Project No	Tsk No	Parameter	TDL Type	Protcl	Method	Test	T M	UM	CDL	TDL	MDL	E X	E T	J	T
Fraction: MV																
adis G & M Inc	NY9A8463	42	1,1,1-Trichloroethane	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.26495	N		J	
adis G & M Inc	NY9A8463	42	1,1,1-Trichloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.26495	N		J	
adis G & M Inc	NY9A8463	42	1,1,1-Trichloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.36333	N		J	
adis G & M Inc	NY9A8463	42	1,1,2,2-Tetrachloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.21300	N		J	
adis G & M Inc	NY9A8463	42	1,1,2,2-Tetrachloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.81100	N		J	
adis G & M Inc	NY9A8463	42	1,1,2-Trichloro-1,2,2-trifluoroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.30900	N		J	
adis G & M Inc	NY9A8463	42	1,1,2-Trichloro-1,2,2-trifluoroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.53000	N		J	
adis G & M Inc	NY9A8463	42	1,1,2-Trichloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.23100	N		J	
adis G & M Inc	NY9A8463	42	1,1,2-Trichloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.25113	N		J	
adis G & M Inc	NY9A8463	42	1,1-Dichloroethane	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.75000	N		J	
adis G & M Inc	NY9A8463	42	1,1-Dichloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.75000	N		J	
adis G & M Inc	NY9A8463	42	1,1-Dichloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.58100	N		J	
adis G & M Inc	NY9A8463	42	1,1-Dichloroethene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.29324	N		J	
adis G & M Inc	NY9A8463	42	1,1-Dichloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.29324	N		J	
adis G & M Inc	NY9A8463	42	1,1-Dichloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.61200	N		J	
adis G & M Inc	NY9A8463	42	1,2,4-Trichlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.40765	N		J	
adis G & M Inc	NY9A8463	42	1,2,4-Trichlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.30424	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dibromo-3-chloropropane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	1.00000	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dibromo-3-chloropropane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.99600	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dibromoethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16600	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dibromoethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.18984	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dichlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.20300	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dichlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.75300	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dichloroethane	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.21400	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dichloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.21400	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dichloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.25113	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dichloropropane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.14400	N		J	
adis G & M Inc	NY9A8463	42	1,2-Dichloropropane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.25615	N		J	
adis G & M Inc	NY9A8463	42	1,3-Dichlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16500	N		J	
adis G & M Inc	NY9A8463	42	1,3-Dichlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.70700	N		J	
adis G & M Inc	NY9A8463	42	1,4-Dichlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16200	N		J	
adis G & M Inc	NY9A8463	42	1,4-Dichlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.70000	N		J	
adis G & M Inc	NY9A8463	42	2-Butanone	CDL	SW8463	8260	CTA01933	W	UG/L	5.0000	5.00000	1.31800	N			
adis G & M Inc	NY9A8463	42	2-Butanone	EQL	SW8463	8260	ST001242	W	UG/L		5.00000	1.31800	N			
adis G & M Inc	NY9A8463	42	2-Butanone	EQL	SW8463	8260	ST001793	W	UG/L		5.00000	1.31800	N			
adis G & M Inc	NY9A8463	42	2-Butanone	EQL	SW8463	8260	ST001794	S	UG/KG		25.00000	6.80300	N		J	

- Exception Types: N - MDL "Not Found" * - TDL=0 or MDL=0 M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL) E - TDL>CDL (TDL Type CDL)

Laboratory: A
oject Manager: CLF

Client Name	Project No	Tsk No	Parameter	TDL Type	Protcl	Method	Test	T M	UM	CDL	TDL	MDL	E X	E T	J	I
cadis G & M Inc	NY9A8463	42	2-Hexanone	EQL	SW8463	8260	ST001793	W	UG/L		5.00000	1.24100	N		J	
cadis G & M Inc	NY9A8463	42	2-Hexanone	EQL	SW8463	8260	ST001794	S	UG/KG		25.00000	6.25000	N		J	
cadis G & M Inc	NY9A8463	42	4-Methyl-2-pentanone	EQL	SW8463	8260	ST001793	W	UG/L		5.00000	0.90900	N		J	
cadis G & M Inc	NY9A8463	42	4-Methyl-2-pentanone	EQL	SW8463	8260	ST001794	S	UG/KG		25.00000	6.25000	N		J	
cadis G & M Inc	NY9A8463	42	Acetone	EQL	SW8463	8260	ST001793	W	UG/L		5.00000	1.34500	N		J	
cadis G & M Inc	NY9A8463	42	Acetone	EQL	SW8463	8260	ST001794	S	UG/KG		25.00000	1.09700	N		J	
cadis G & M Inc	NY9A8463	42	Benzene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.16400	N		J	
cadis G & M Inc	NY9A8463	42	Benzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16400	N		J	
cadis G & M Inc	NY9A8463	42	Benzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.54700	N		J	
cadis G & M Inc	NY9A8463	42	Bromodichloromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.38565	N		J	
cadis G & M Inc	NY9A8463	42	Bromodichloromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.25710	N		J	
cadis G & M Inc	NY9A8463	42	Bromoform	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.25741	N		J	
cadis G & M Inc	NY9A8463	42	Bromoform	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.46139	N		J	
cadis G & M Inc	NY9A8463	42	Bromomethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.28161	N		J	
cadis G & M Inc	NY9A8463	42	Bromomethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.45888	N		J	
cadis G & M Inc	NY9A8463	42	Carbon Disulfide	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.19400	N		J	
cadis G & M Inc	NY9A8463	42	Carbon Disulfide	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.42871	N		J	
cadis G & M Inc	NY9A8463	42	Carbon Tetrachloride	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.26653	N		J	
cadis G & M Inc	NY9A8463	42	Carbon Tetrachloride	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.26653	N		J	
cadis G & M Inc	NY9A8463	42	Carbon Tetrachloride	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.68100	N		J	
cadis G & M Inc	NY9A8463	42	Chlorobenzene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.18300	N		J	
cadis G & M Inc	NY9A8463	42	Chlorobenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.18300	N		J	
cadis G & M Inc	NY9A8463	42	Chlorobenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.51400	N		J	
cadis G & M Inc	NY9A8463	42	Chloroethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.32373	N		J	
cadis G & M Inc	NY9A8463	42	Chloroethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.80900	N		J	
cadis G & M Inc	NY9A8463	42	Chloroform	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.33567	N		J	
cadis G & M Inc	NY9A8463	42	Chloroform	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.33567	N		J	
cadis G & M Inc	NY9A8463	42	Chloroform	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.30896	N		J	
cadis G & M Inc	NY9A8463	42	Chloromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.34573	N		J	
cadis G & M Inc	NY9A8463	42	Chloromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.30200	N		J	
cadis G & M Inc	NY9A8463	42	Cyclohexane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.22000	N		J	
cadis G & M Inc	NY9A8463	42	Cyclohexane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.23000	N		J	
cadis G & M Inc	NY9A8463	42	Dibromochloromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.32247	N		J	
cadis G & M Inc	NY9A8463	42	Dibromochloromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.27627	N		J	
cadis G & M Inc	NY9A8463	42	Dichlorodifluoromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.28538	N		J	
cadis G & M Inc	NY9A8463	42	Dichlorodifluoromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.41330	N		J	
cadis G & M Inc	NY9A8463	42	Ethylbenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.18400	N		J	

- Exception Types: N - MDL "Not Found" * - TDL=0 or MDL=0 M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL) E - TDL>CDL (TDL Type CDL)

Laboratory: A
oject Manager: CLF

Client Name	Project No	Tsk No	Parameter	TDL Type	Protcl	Method	Test	T M	UM	CDL	TDL	MDL	E X	E T	J	T
cadis G & M Inc	NY9A8463	42	Ethylbenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.34542	N		J	
cadis G & M Inc	NY9A8463	42	Isopropylbenzene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.19300	N		J	
cadis G & M Inc	NY9A8463	42	Isopropylbenzene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.32781	N		J	
cadis G & M Inc	NY9A8463	42	Methyl acetate	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.17100	N		J	
cadis G & M Inc	NY9A8463	42	Methyl acetate	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.99800	N		J	
cadis G & M Inc	NY9A8463	42	Methyl-t-Butyl Ether (MTBE)	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16100	N		J	
cadis G & M Inc	NY9A8463	42	Methyl-t-Butyl Ether (MTBE)	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.49100	N		J	
cadis G & M Inc	NY9A8463	42	Methylcyclohexane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.22100	N		J	
cadis G & M Inc	NY9A8463	42	Methylcyclohexane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.32404	N		J	
cadis G & M Inc	NY9A8463	42	Methylene chloride	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.43845	N		J	
cadis G & M Inc	NY9A8463	42	Methylene chloride	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	2.20000	N		J	
cadis G & M Inc	NY9A8463	42	Styrene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.18500	N		J	
cadis G & M Inc	NY9A8463	42	Styrene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.24955	N		J	
cadis G & M Inc	NY9A8463	42	Tetrachloroethene	CDL	SW8463	8260	CTA01933	W	UG/L	0.5000	1.00000	0.36490	Y	E	J	
cadis G & M Inc	NY9A8463	42	Tetrachloroethene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.36490	N		J	
cadis G & M Inc	NY9A8463	42	Tetrachloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.36490	N		J	
cadis G & M Inc	NY9A8463	42	Tetrachloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.67100	N		J	
cadis G & M Inc	NY9A8463	42	Toluene	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.51000	N		J	
cadis G & M Inc	NY9A8463	42	Toluene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.51000	N		J	
cadis G & M Inc	NY9A8463	42	Toluene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.84800	N		J	
cadis G & M Inc	NY9A8463	42	Total Xylenes	EQL	SW8463	8260	ST001793	W	UG/L		3.00000	0.93000	N		J	
cadis G & M Inc	NY9A8463	42	Total Xylenes	EQL	SW8463	8260	ST001794	S	UG/KG		15.00000	2.93714	N		J	
cadis G & M Inc	NY9A8463	42	Trichloroethene	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.17500	N		J	
cadis G & M Inc	NY9A8463	42	Trichloroethene	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.17500	N		J	
cadis G & M Inc	NY9A8463	42	Trichloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.17500	N		J	
cadis G & M Inc	NY9A8463	42	Trichloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.34510	N		J	
cadis G & M Inc	NY9A8463	42	Trichlorofluoromethane	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.15200	N		J	
cadis G & M Inc	NY9A8463	42	Trichlorofluoromethane	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	1.56400	N		J	
cadis G & M Inc	NY9A8463	42	Vinyl chloride	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.24264	N		J	
cadis G & M Inc	NY9A8463	42	Vinyl chloride	EQL	SW8463	8260	ST001242	W	UG/L		1.00000	0.24264	N		J	
cadis G & M Inc	NY9A8463	42	Vinyl chloride	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.24264	N		J	
cadis G & M Inc	NY9A8463	42	Vinyl chloride	EQL	SW8463	8260	ST001794	S	UG/KG		10.00000	0.20398	N		J	
cadis G & M Inc	NY9A8463	42	cis-1,2-Dichloroethene	CDL	SW8463	8260	CTA01933	W	UG/L	1.0000	1.00000	0.16200	N		J	
cadis G & M Inc	NY9A8463	42	cis-1,2-Dichloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.16200	N		J	
cadis G & M Inc	NY9A8463	42	cis-1,2-Dichloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.24641	N		J	
cadis G & M Inc	NY9A8463	42	cis-1,3-Dichloropropene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.35516	N		J	
cadis G & M Inc	NY9A8463	42	cis-1,3-Dichloropropene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.28538	N		J	

- Exception Types: N - MDL "Not Found" * - TDL=0 or MDL=0 M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL) E - TDL>CDL (TDL Type CDL)

Compare Client DL for PROJECT NY9A8463 and TASK 42 to Lab MDL
For METHOD: 8260 PROTOCOL: SW8463
For FRACTIONS: MV

Laboratory: A
ject Manager: CLF

Client Name	Project No	Tsk No	Parameter	TDL Type	Protcl	Method	Test	T M	UM	CDL	TDL	MDL	E X	E I	J	T
adis G & M Inc	NY9A8463	42	trans-1,2-Dichloroethene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.12600	N		J	
adis G & M Inc	NY9A8463	42	trans-1,2-Dichloroethene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.51577	N		J	
adis G & M Inc	NY9A8463	42	trans-1,3-Dichloropropene	EQL	SW8463	8260	ST001793	W	UG/L		1.00000	0.36836	N		J	
adis G & M Inc	NY9A8463	42	trans-1,3-Dichloropropene	EQL	SW8463	8260	ST001794	S	UG/KG		5.00000	0.64200	N		J	

- Exception Types: N - MDL "Not Found" * - TDL=0 or MDL=0 M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL) E - TDL>COL (TDL Type CDL)

Sample Data

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

DUP-1 080608

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962107

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0410.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	32	
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	0.91	J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

DUP-1 080608

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962107

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0410.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

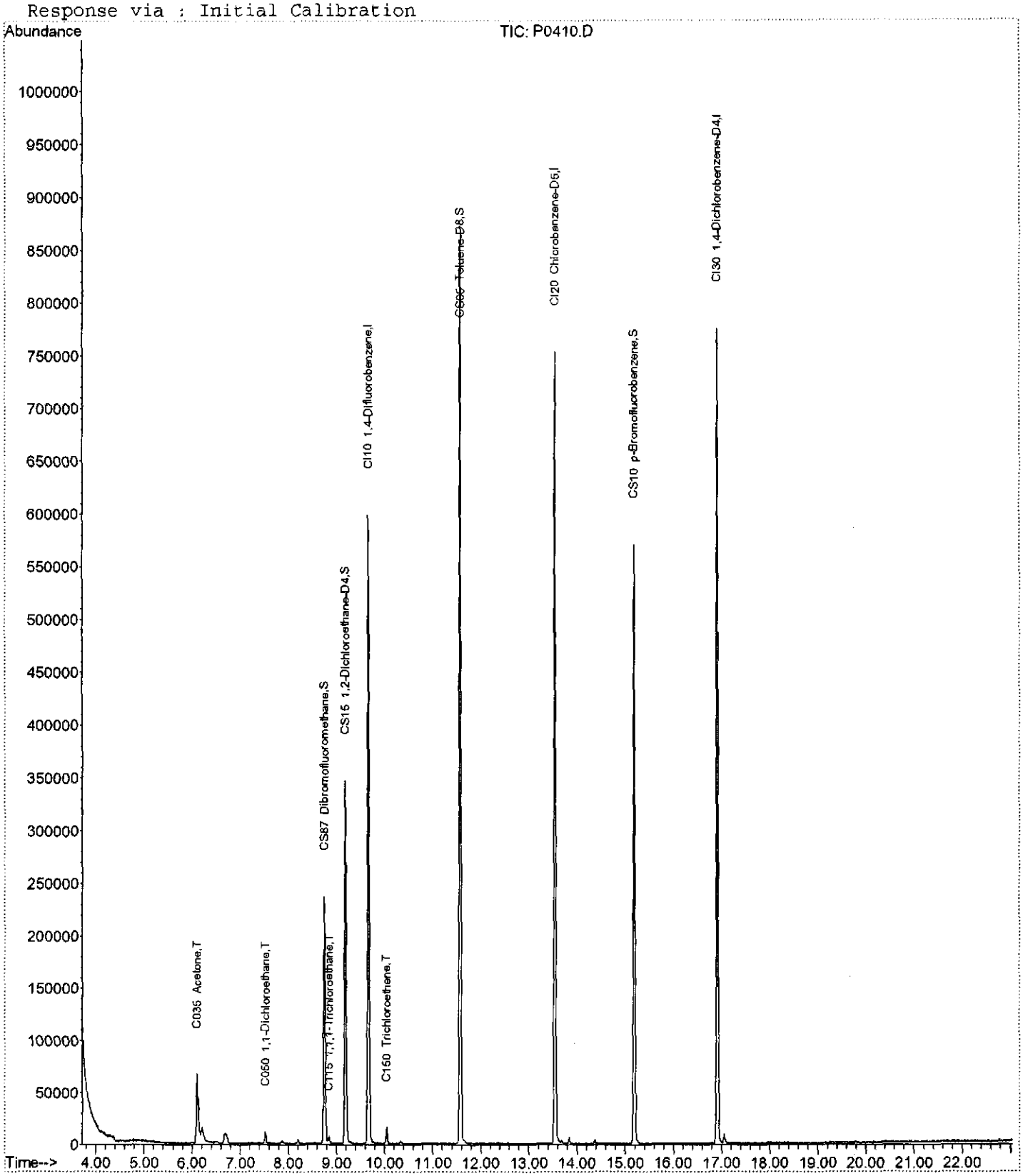
GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	1.1	J
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	1.0	J
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Data File : H:\GCMS_VOA\TEMP\P0410.D Vial: 11
Acq On : 15 Aug 2008 14:58 Operator: LH
Sample : A8962107 B Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 15 16:43 2008 Quant Results File: A8I0000550.RES

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Sat Sep 06 09:07:07 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\P0410.D
Acq On : 15 Aug 2008 14:58
Sample : A8962107 B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 16:43:53 2008

Vial: 11
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 16:40:32 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\P\081508\P0400.D (15 Aug 2008 10:01)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	9.66	114	457153	125.00	ng	0.00 79.31%
43) CI20	Chlorobenzene-D5	13.54	117	427258	125.00	ng	0.00 79.26%
62) CI30	1,4-Dichlorobenzene-	16.91	152	217787	125.00	ng	0.00 75.76%
System Monitoring Compounds							
30) CS87	Dibromofluoromethane	8.74	111	168940	136.98	ng	0.00
Spiked Amount	125.000	Range 70 - 130		Recovery = 109.58%			
31) CS15	1,2-Dichloroethane-D	9.18	65	284927	145.55	ng	0.00
Spiked Amount	125.000	Range 66 - 137		Recovery = 116.44%			
44) CS05	Toluene-D8	11.57	98	589752	126.41	ng	0.00
Spiked Amount	125.000	Range 71 - 126		Recovery = 101.13%			
61) CS10	p-Bromofluorobenzene	15.19	174	159302	114.26	ng	0.00
Spiked Amount	125.000	Range 73 - 120		Recovery = 91.41%			
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	4.18	50	1222	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
9) C030	Methylene chloride	6.67	84	3757	Below Cal	#	69
10) C040	Carbon disulfide	6.49	76	2912	N.D.		
11) C036	Acrolein	5.99	56	120	N.D.		
12) C038	Acrylonitrile	0.00	53	0	N.D.		
13) C035	Acetone	6.10	43	146881	157.98	ng	93
14) C300	Acetonitrile	0.00	41	0	N.D.		
15) C276	Iodomethane	0.00	142	0	N.D.		
16) C291	1,1,2 Trichloro-1,2,	0.00	101	0	N.D.		
17) C962	T-butyl Methyl Ether	6.98	73	303	N.D.		
18) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
19) C255	Methyl Acetate	6.49	43	461	N.D.		
20) C050	1,1-Dichloroethane	7.52	63	13796	4.54	ng	96
21) C125	Vinyl Acetate	7.33	43	122	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	8.21	96	1265	N.D.		
24) C272	Tetrahydrofuran	8.57	42	540	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	8.54	83	533	N.D.		
27) C115	1,1,1-Trichloroethan	8.84	97	5868	5.49	ng	90
28) C120	Carbon tetrachloride	0.00	117	0	N.D.		
29) C116	1,1-Dichloropropene	0.00	75	0	N.D.		
32) C165	Benzene	9.29	78	990	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\TEMP\P0410.D
Acq On : 15 Aug 2008 14:58
Sample : A8962107 B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 16:43:53 2008

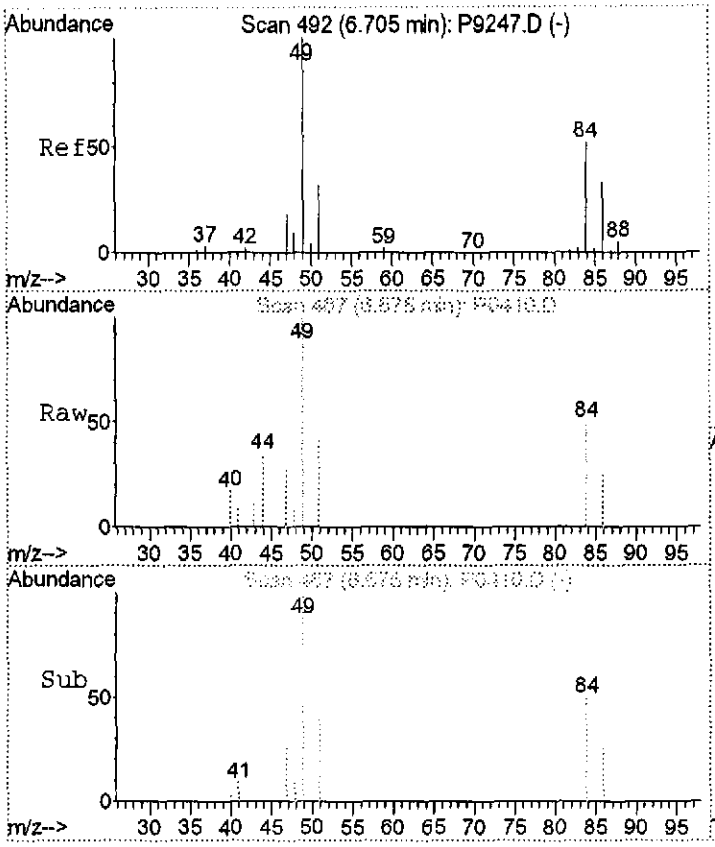
Vial: 11
Operator: LH
Inst : HP5973 P
Multiplr: 1.00

Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 16:40:32 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
34)	C110	2-Butanone	8.17	43	3314	N.D.	
35)	C256	Cyclohexane	0.00	56	0	N.D.	
36)	C150	Trichloroethene	10.04	95	6668	5.04 ng	88
37)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
38)	C278	Dibromomethane	0.00	93	0	N.D.	
39)	C130	Bromodichloromethane	0.00	83	0	N.D.	
40)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
41)	C012	Methylcycolhexane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	11.66	92	358	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	0.00	43	0	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	12.38	43	837	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	13.68	91	3207	N.D.	
58)	C246	m,p-Xylene	13.84	106	2438	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
63)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	89	0	N.D.	
69)	C302	n-Propylbenzene	0.00	91	0	N.D.	
70)	C303	2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	0.00	105	0	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	0.00	105	0	N.D.	
75)	C308	sec-Butylbenzene	0.00	105	0	N.D.	
76)	C260	1,3-Dichlorobenzene	0.00	146	0	N.D.	
77)	C309	4-Isopropyltoluene	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	0.00	128	0	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

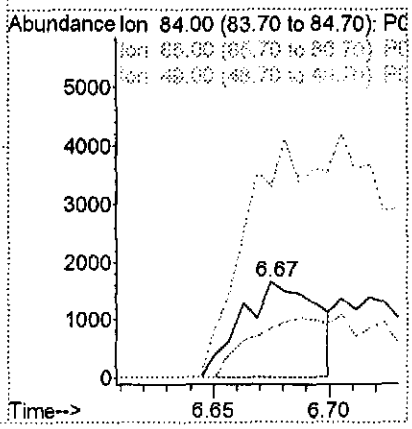
(#) = qualifier out of range (m) = manual integration

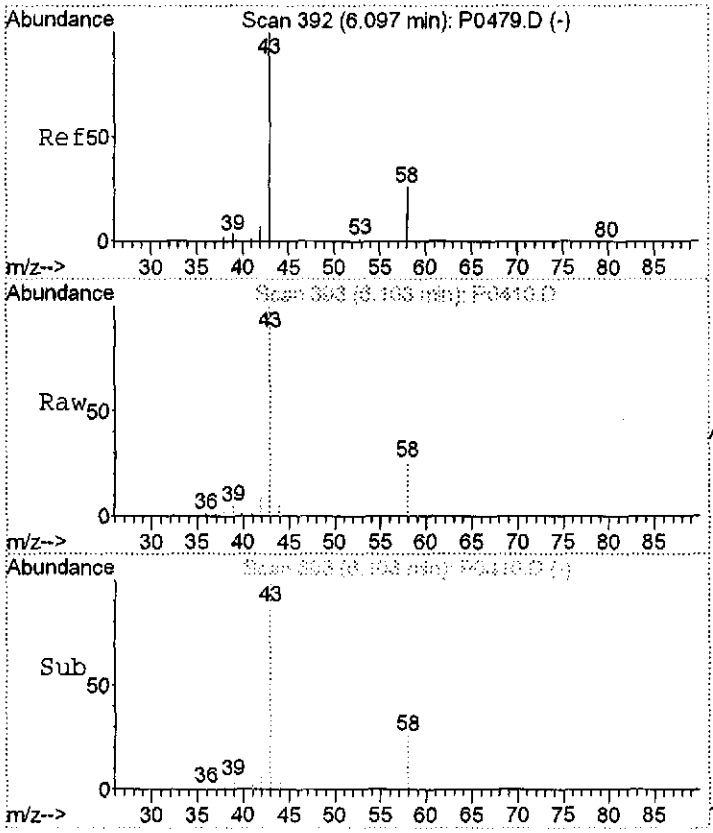


#9
C030 Methylene chloride
Concen: Below Cal
RT: 6.67 min Scan# 487
Delta R.T. 0.01 min
Lab File: P0410.D
Acq: 15 Aug 2008 14:58

Tgt Ion: 84 Resp: 3757

Ion	Ratio	Lower	Upper
84	100		
86	50.4	43.8	83.8
49	200.0	132.8	172.8#

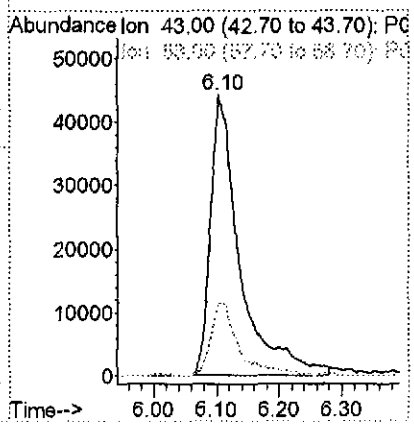


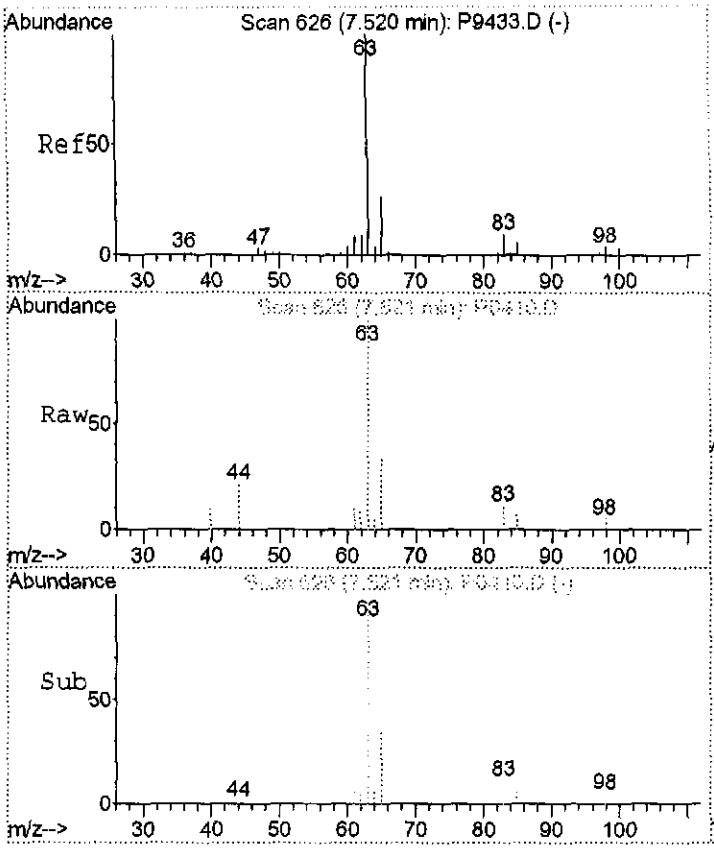


#13
C035 Acetone
Concen: 157.98 ng
RT: 6.10 min Scan# 393
Delta R.T. 0.01 min
Lab File: P0410.D
Acq: 15 Aug 2008 14:58

Tgt Ion: 43 Resp: 146881

Ion	Ratio	Lower	Upper
43	100		
58	26.3	24.2	36.2

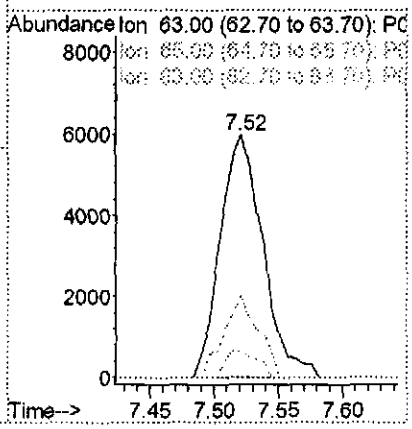


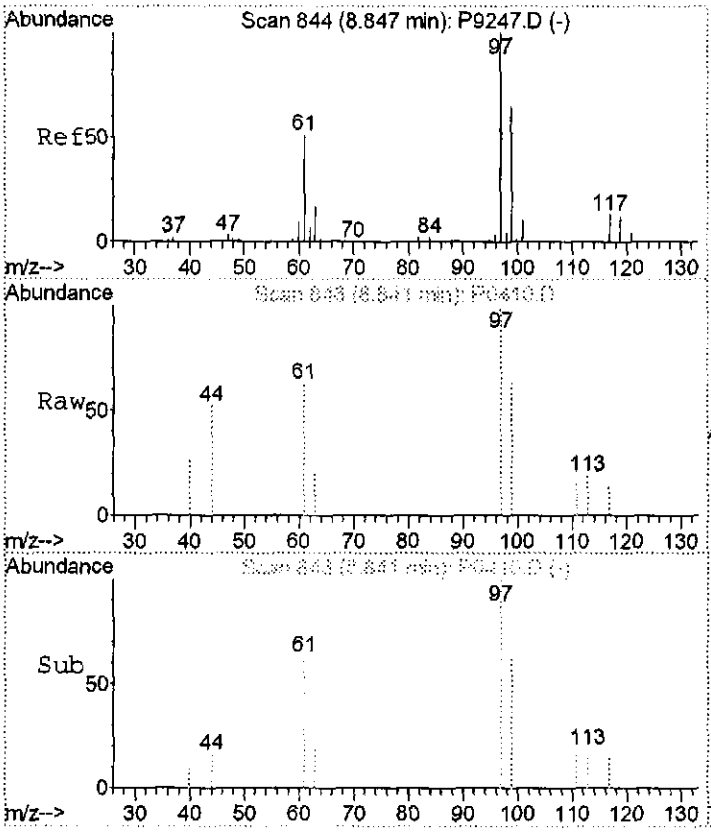


#20
C050 1,1-Dichloroethane
Concen: 4.54 ng
RT: 7.52 min Scan# 626
Delta R.T. 0.01 min
Lab File: P0410.D
Acq: 15 Aug 2008 14:58

Tgt Ion: 63 Resp: 13796

Ion	Ratio	Lower	Upper
63	100		
65	33.6	11.1	51.1
83	10.5	0.0	31.6

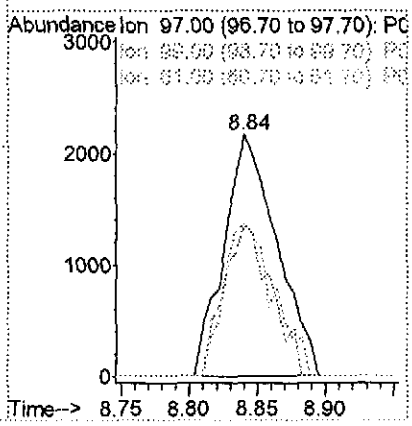


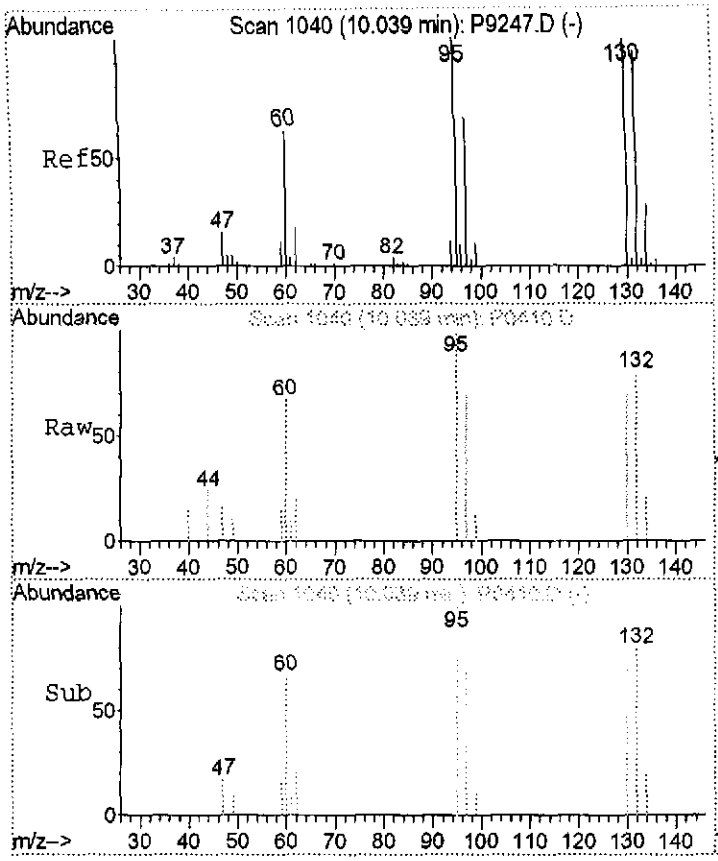


#27
C115 1,1,1-Trichloroethane
Concen: 5.49 ng
RT: 8.84 min Scan# 843
Delta R.T. 0.01 min
Lab File: P0410.D
Acq: 15 Aug 2008 14:58

Tgt Ion: 97 Resp: 5868

Ion	Ratio	Lower	Upper
97	100		
99	62.7	44.1	84.1
61	62.5	28.0	68.0

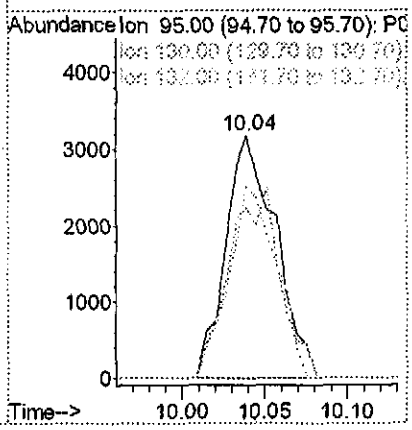




#36
C150 Trichloroethene
Concen: 5.04 ng
RT: 10.04 min Scan# 1040
Delta R.T. 0.01 min
Lab File: P0410.D
Acq: 15 Aug 2008 14:58

Tgt Ion: 95 Resp: 6668

Ion	Ratio	Lower	Upper
95	100		
130	70.0	68.8	108.8
132	79.6	63.4	103.4



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-10

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962105

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0408.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	26	
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	2.7	J
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-10

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962105

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0408.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

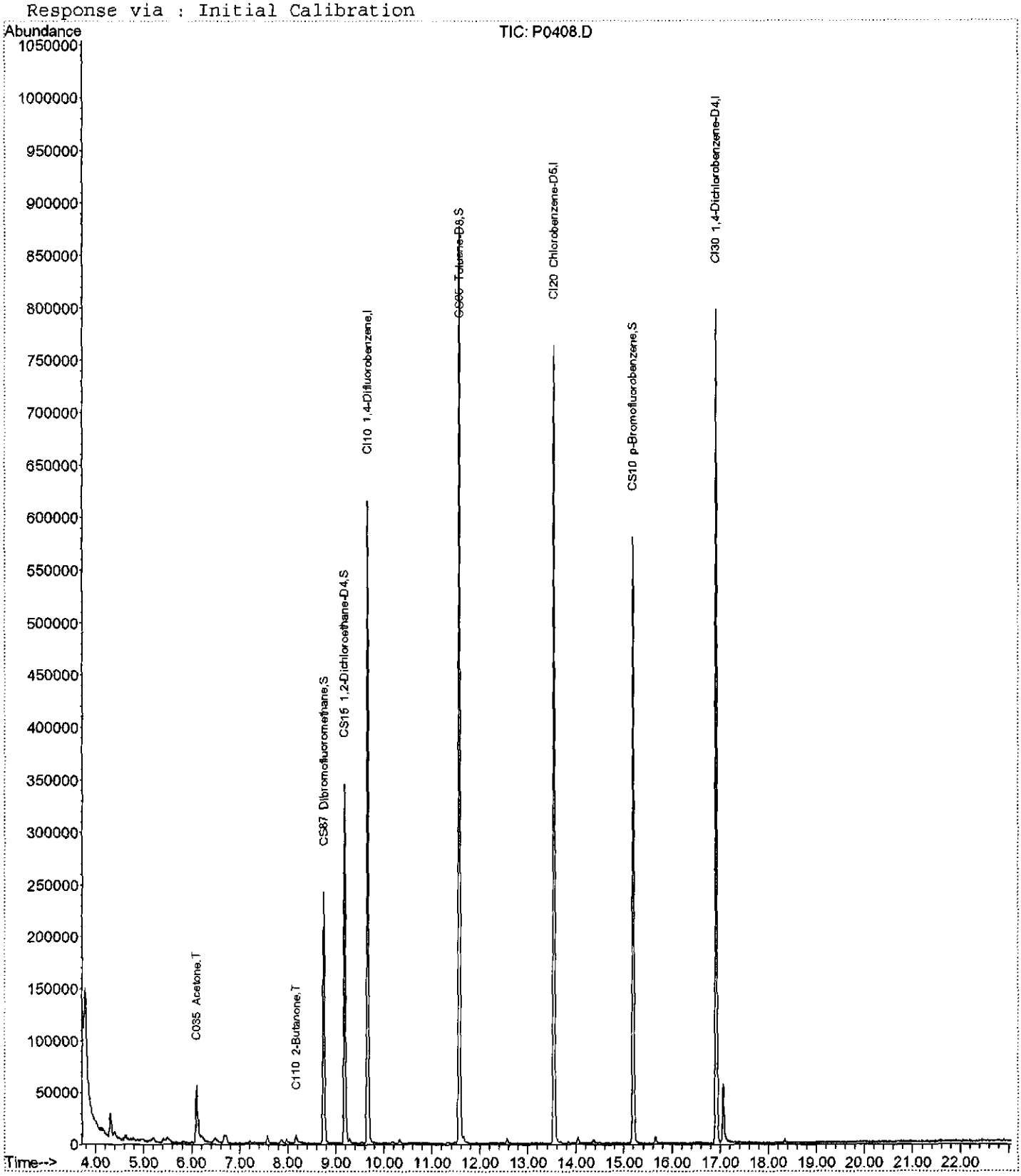
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Data File : H:\GCMS_VOA\TEMP\P0408.D
Acq On : 15 Aug 2008 14:02
Sample : A8962105 A+B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 17:14 2008

Vial: 9
Operator: LH
Inst : HP5973 P
Multiplr: 1.00

Quant Results File: A8I0000550.RES

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Sat Sep 06 09:07:07 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\P0408.D Vial: 9
Acq On : 15 Aug 2008 14:02 Operator: LH
Sample : A8962105 A+B Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 15 16:43:44 2008 Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 16:40:32 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\P\081508\P0400.D (15 Aug 2008 10:01)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	9.66	114	465117	125.00	ng	0.00 80.69%
43) CI20	Chlorobenzene-D5	13.54	117	431374	125.00	ng	0.00 80.02%
62) CI30	1,4-Dichlorobenzene-	16.91	152	222044	125.00	ng	0.00 77.24%
System Monitoring Compounds							
30) CS87	Dibromofluoromethane	8.74	111	170074	135.53	ng	0.00
Spiked Amount	125.000	Range 70 - 130		Recovery = 108.42%			
31) CS15	1,2-Dichloroethane-D	9.18	65	286786	143.99	ng	0.00
Spiked Amount	125.000	Range 66 - 137		Recovery = 115.19%			
44) CS05	Toluene-D8	11.57	98	595924	126.51	ng	0.00
Spiked Amount	125.000	Range 71 - 126		Recovery = 101.21%			
61) CS10	p-Bromofluorobenzene	15.19	174	164727	117.03	ng	0.00
Spiked Amount	125.000	Range 73 - 120		Recovery = 93.62%			
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	4.16	50	2671	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
9) C030	Methylene chloride	6.66	84	1999	Below Cal	#	77
10) C040	Carbon disulfide	0.00	76	0	N.D. d		
11) C036	Acrolein	5.99	56	123	N.D.		
12) C038	Acrylonitrile	0.00	53	0	N.D.		
13) C035	Acetone	6.10	43	124744	131.87	ng	91
14) C300	Acetonitrile	6.57	41	709	N.D.		
15) C276	Iodomethane	0.00	142	0	N.D.		
16) C291	1,1,2 Trichloro-1,2,	0.00	101	0	N.D.		
17) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
18) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
19) C255	Methyl Acetate	6.50	43	1184	N.D.		
20) C050	1,1-Dichloroethane	7.51	63	1251	N.D.		
21) C125	Vinyl Acetate	7.32	43	281	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.		
24) C272	Tetrahydrofuran	8.55	42	111	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	8.55	83	121	N.D.		
27) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
28) C120	Carbon tetrachloride	0.00	117	0	N.D.		
29) C116	1,1-Dichloropropene	0.00	75	0	N.D.		
32) C165	Benzene	9.29	78	2781	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

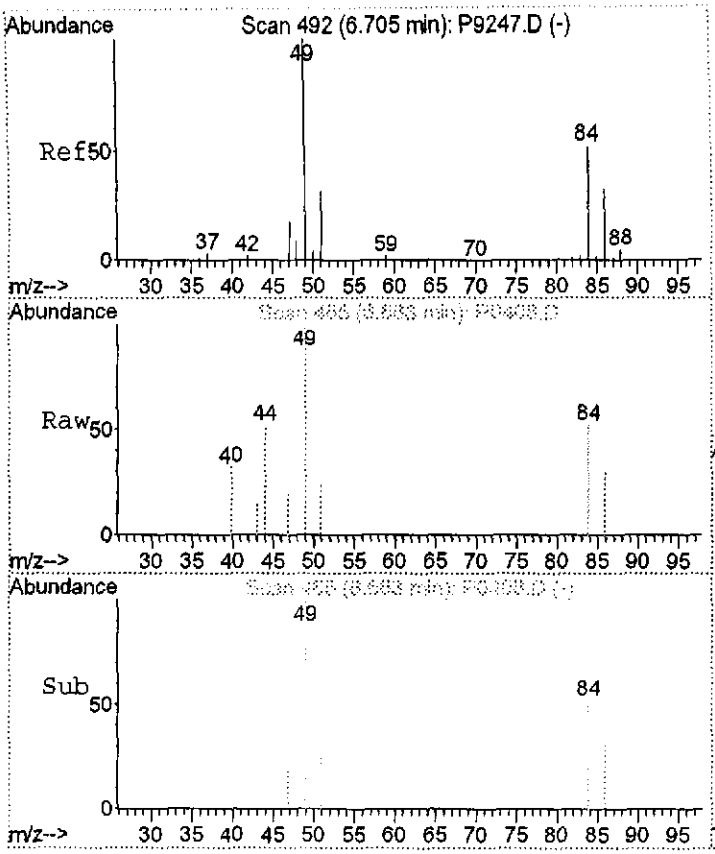
Data File : H:\GCMS_VOA\TEMP\P0408.D
Acq On : 15 Aug 2008 14:02
Sample : A8962105 A+B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 16:43:44 2008

Vial: 9
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 16:40:32 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
34)	C110	2-Butanone	8.16	43	19146	13.35 ng	# 74
35)	C256	Cyclohexane	8.95	56	112	N.D.	
36)	C150	Trichloroethene	10.03	95	125	N.D.	
37)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
38)	C278	Dibromomethane	0.00	93	0	N.D.	
39)	C130	Bromodichloromethane	0.00	83	0	N.D.	
40)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
41)	C012	Methylcycolhexane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	11.65	92	2491	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	11.32	43	2277	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	12.43	43	393	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	13.69	91	1868	N.D.	
58)	C246	m,p-Xylene	13.84	106	753	N.D.	
59)	C247	o-Xylene	14.41	106	152	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
63)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	89	0	N.D.	
69)	C302	n-Propylbenzene	15.53	91	113	N.D.	
70)	C303	2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	0.00	105	0	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	0.00	105	0	N.D.	
75)	C308	sec-Butylbenzene	0.00	105	0	N.D.	
76)	C260	1,3-Dichlorobenzene	16.95	146	251	N.D.	
77)	C309	4-Isopropyltoluene	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	16.95	146	251	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	17.41	91	153	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	20.37	128	118	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

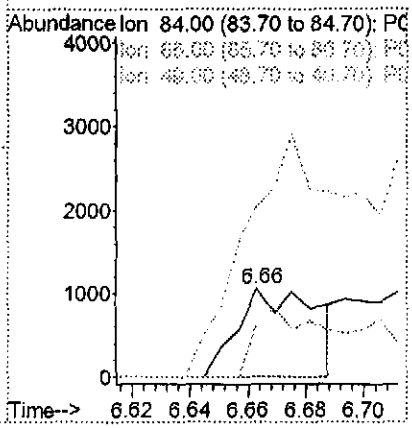
(#) = qualifier out of range (m) = manual integration

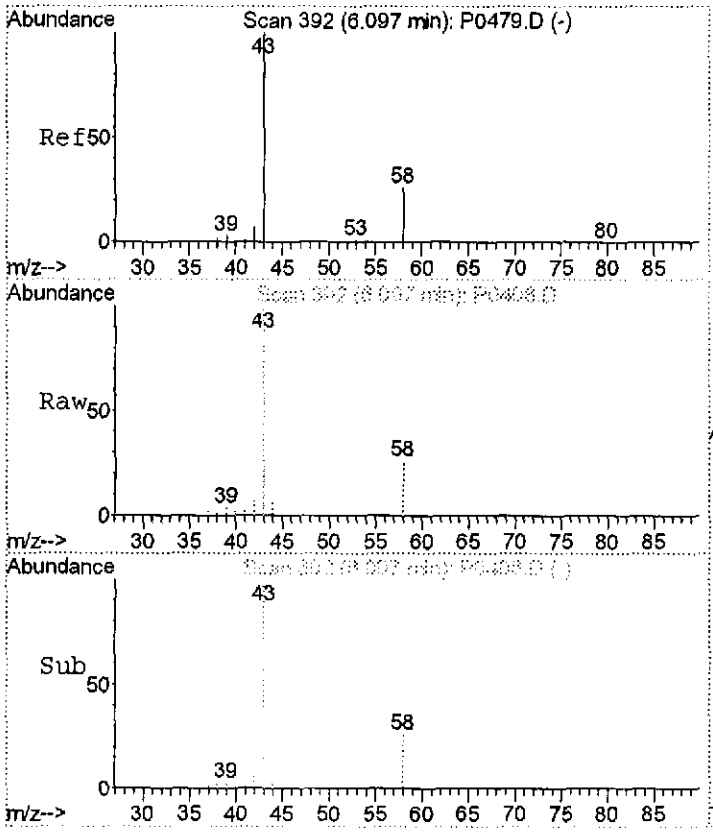


#9
C030 Methylene chloride
Concen: Below Cal
RT: 6.66 min Scan# 485
Delta R.T. -0.01 min
Lab File: P0408.D
Acq: 15 Aug 2008 14:02

Tgt Ion: 84 Resp: 1999

Ion	Ratio	Lower	Upper
84	100		
86	60.1	43.8	83.8
49	192.7	132.8	172.8#

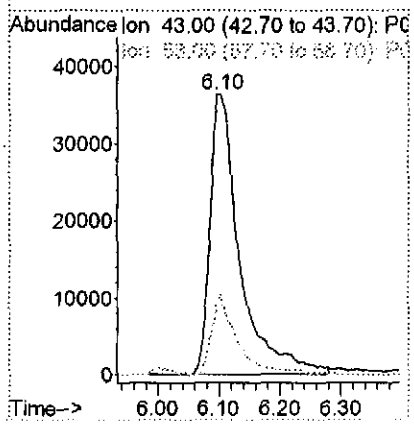


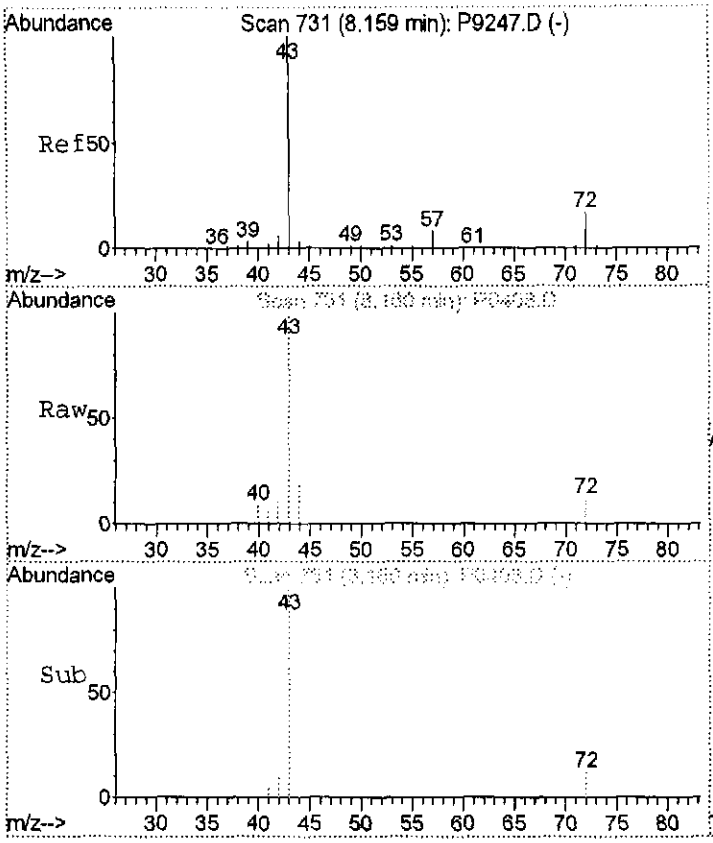


#13
C035 Acetone
Concen: 131.87 ng
RT: 6.10 min Scan# 392
Delta R.T. 0.00 min
Lab File: P0408.D
Acq: 15 Aug 2008 14:02

Tgt Ion: 43 Resp: 124744

Ion	Ratio	Lower	Upper
43	100		
58	25.5	24.2	36.2

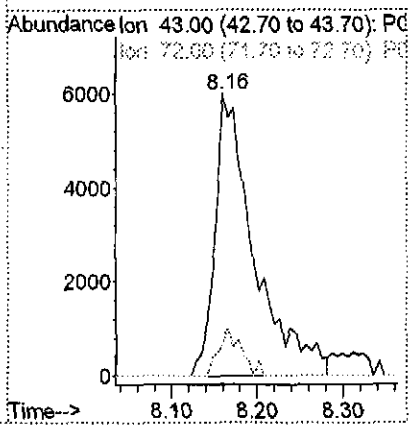




#34
C110 2-Butanone
Concen: 13.35 ng
RT: 8.16 min Scan# 731
Delta R.T. 0.01 min
Lab File: P0408.D
Acq: 15 Aug 2008 14:02

Tgt Ion: 43 Resp: 19146

Ion	Ratio	Lower	Upper
43	100		
72	11.5	19.7	29.5#



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: PZ-5

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962102

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0405.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 4.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	41	J
71-43-2	Benzene	20	U
75-27-4	Bromodichloromethane	20	U
75-25-2	Bromoform	20	U
74-83-9	Bromomethane	20	U
78-93-3	2-Butanone	100	U
75-15-0	Carbon Disulfide	20	U
56-23-5	Carbon Tetrachloride	20	U
108-90-7	Chlorobenzene	20	U
75-00-3	Chloroethane	20	U
67-66-3	Chloroform	20	U
74-87-3	Chloromethane	20	U
110-82-7	Cyclohexane	20	U
106-93-4	1,2-Dibromoethane	20	U
124-48-1	Dibromochloromethane	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
75-71-8	Dichlorodifluoromethane	20	U
75-34-3	1,1-Dichloroethane	20	U
107-06-2	1,2-Dichloroethane	20	U
75-35-4	1,1-Dichloroethene	20	U
156-59-2	cis-1,2-Dichloroethene	26	
156-60-5	trans-1,2-Dichloroethene	20	U
78-87-5	1,2-Dichloropropane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
100-41-4	Ethylbenzene	10	J
591-78-6	2-Hexanone	100	U
98-82-8	Isopropylbenzene	20	U
79-20-9	Methyl acetate	20	U
108-87-2	Methylcyclohexane	20	U
75-09-2	Methylene chloride	20	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-5

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962102

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0405.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 4.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	100	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	20	U
100-42-5	Styrene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
127-18-4	Tetrachloroethene	8.6	J
108-88-3	Toluene	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U
71-55-6	1,1,1-Trichloroethane	20	U
79-00-5	1,1,2-Trichloroethane	20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U
75-69-4	Trichlorofluoromethane	20	U
79-01-6	Trichloroethene	9.5	J
75-01-4	Vinyl chloride	5.9	J
1330-20-7	Total Xylenes	34	J

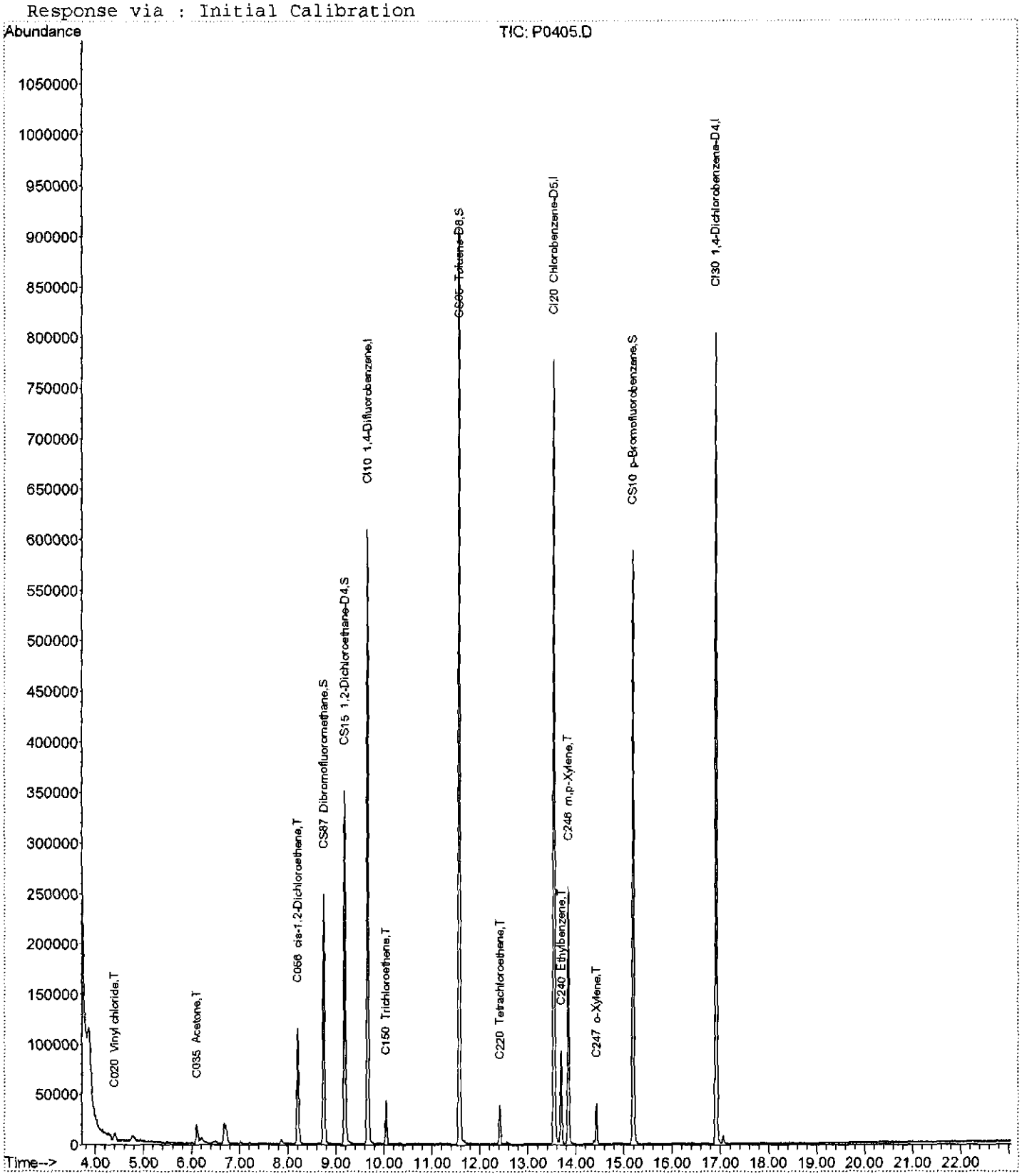
Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\P0405.D
Acq On : 15 Aug 2008 12:38
Sample : A8962102 DF4 FOAMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 17:10 2008

Vial: 6
Operator: LH
Inst : HP5973 P
Multiplr: 1.00

Quant Results File: A8I0000550.RES

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Sat Sep 06 09:07:07 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\P0405.D
Acq On : 15 Aug 2008 12:38
Sample : A8962102 DF4 FOAMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 16:43:29 2008

Vial: 6
Operator: LH
Inst : HP5973 P
Multiplr: 1.00

Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 16:40:32 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\P\081508\P0400.D (15 Aug 2008 10:01)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	9.66	114	467748	125.00	ng	0.00 81.14%
43) CI20	Chlorobenzene-D5	13.54	117	434214	125.00	ng	0.00 80.55%
62) CI30	1,4-Dichlorobenzene-	16.91	152	226731	125.00	ng	0.00 78.87%
System Monitoring Compounds							
30) CS87	Dibromofluoromethane	8.74	111	172180	136.44	ng	0.00
Spiked Amount	125.000	Range 70 - 130		Recovery = 109.15%			
31) CS15	1,2-Dichloroethane-D	9.18	65	286577	143.08	ng	0.00
Spiked Amount	125.000	Range 66 - 137		Recovery = 114.46%			
44) CS05	Toluene-D8	11.57	98	611585	128.99	ng	0.00
Spiked Amount	125.000	Range 71 - 126		Recovery = 103.19%			
61) CS10	p-Bromofluorobenzene	15.19	174	172533	121.77	ng	0.00
Spiked Amount	125.000	Range 73 - 120		Recovery = 97.42%			
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	4.27	50	112	N.D.		
4) C020	Vinyl chloride	4.40	62	13057	7.43	ng	97
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
9) C030	Methylene chloride	6.68	84	8244	Below Cal	#	42
10) C040	Carbon disulfide	0.00	76	0	N.D. d		
11) C036	Acrolein	6.01	56	488	N.D.		
12) C038	Acrylonitrile	0.00	53	0	N.D.		
13) C035	Acetone	6.10	43	48412	50.89	ng	93
14) C300	Acetonitrile	0.00	41	0	N.D.		
15) C276	Iodomethane	0.00	142	0	N.D.		
16) C291	1,1,2 Trichloro-1,2,	0.00	101	0	N.D.		
17) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
18) C057	trans-1,2-Dichloroet	7.02	96	1123	N.D.		
19) C255	Methyl Acetate	6.43	43	141	N.D.		
20) C050	1,1-Dichloroethane	7.52	63	110	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	8.20	96	48392	32.85	ng	# 70
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
27) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
28) C120	Carbon tetrachloride	0.00	117	0	N.D.		
29) C116	1,1-Dichloropropene	0.00	75	0	N.D.		
32) C165	Benzene	9.28	78	935	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

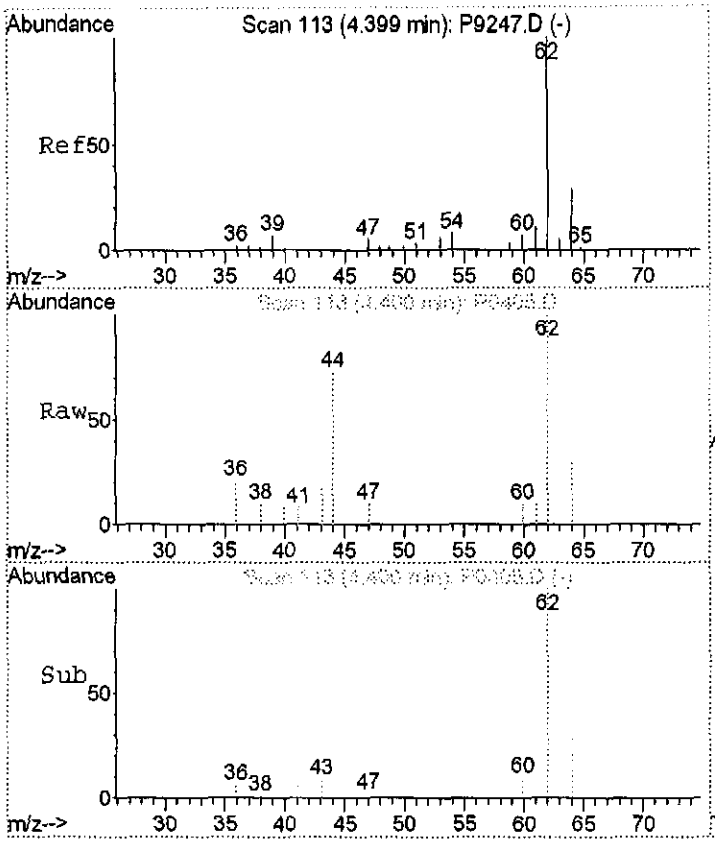
Data File : H:\GCMS_VOA\TEMP\P0405.D
Acq On : 15 Aug 2008 12:38
Sample : A8962102 DF4 FOAMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 16:43:29 2008

Vial: 6
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 16:40:32 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit		Qvalue
33)	C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34)	C110	2-Butanone	8.17	43	5393	N.D.		
35)	C256	Cyclohexane	0.00	56	0	N.D.		
36)	C150	Trichloroethene	10.04	95	16171	11.94 ng		96
37)	C140	1,2-Dichloropropane	0.00	63	0	N.D.		
38)	C278	Dibromomethane	0.00	93	0	N.D.		
39)	C130	Bromodichloromethane	0.00	83	0	N.D.		
40)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.		
41)	C012	Methylcycolhexane	0.00	83	0	N.D.		
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.		
45)	C230	Toluene	11.66	92	948	N.D.		
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.		
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.		
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.		
49)	C210	4-Methyl-2-pentanone	11.32	43	275	N.D.		
50)	C220	Tetrachloroethene	12.41	166	12295	10.72 ng		90
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.		
52)	C155	Dibromochloromethane	0.00	129	0	N.D.		
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.		
54)	C215	2-Hexanone	12.36	43	134	N.D.		
55)	C235	Chlorobenzene	0.00	112	0	N.D.		
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.		
57)	C240	Ethylbenzene	13.68	91	76555	12.76 ng		99
58)	C246	m,p-Xylene	13.84	106	81172	37.57 ng		94
59)	C247	o-Xylene	14.43	106	12328	5.57 ng	#	82
60)	C245	Styrene	14.43	104	368	N.D.		
63)	C180	Bromoform	0.00	173	0	N.D.		
64)	C966	Isopropylbenzene	14.92	105	759	N.D.		
65)	C301	Bromobenzene	0.00	156	0	N.D.		
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.		
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.		
68)	C283	t-1,4-Dichloro-2-But	0.00	89	0	N.D.		
69)	C302	n-Propylbenzene	15.53	91	376	N.D.		
70)	C303	2-Chlorotoluene	0.00	126	0	N.D.		
71)	C289	4-Chlorotoluene	0.00	126	0	N.D.		
72)	C304	1,3,5-Trimethylbenze	0.00	105	0	N.D.		
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.		
74)	C307	1,2,4-Trimethylbenze	16.34	105	147	N.D.		
75)	C308	sec-Butylbenzene	16.59	105	116	N.D.		
76)	C260	1,3-Dichlorobenzene	16.93	146	127	N.D.		
77)	C309	4-Isopropyltoluene	0.00	119	0	N.D.		
78)	C267	1,4-Dichlorobenzene	16.94	146	316	N.D.		
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.		
80)	C310	n-Butylbenzene	17.41	91	419	N.D.		
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.		
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.		
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.		
84)	C314	Naphthalene	20.36	128	118	N.D.		
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.		

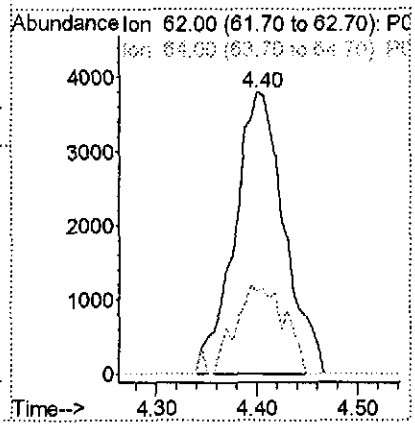
(#) = qualifier out of range (m) = manual integration

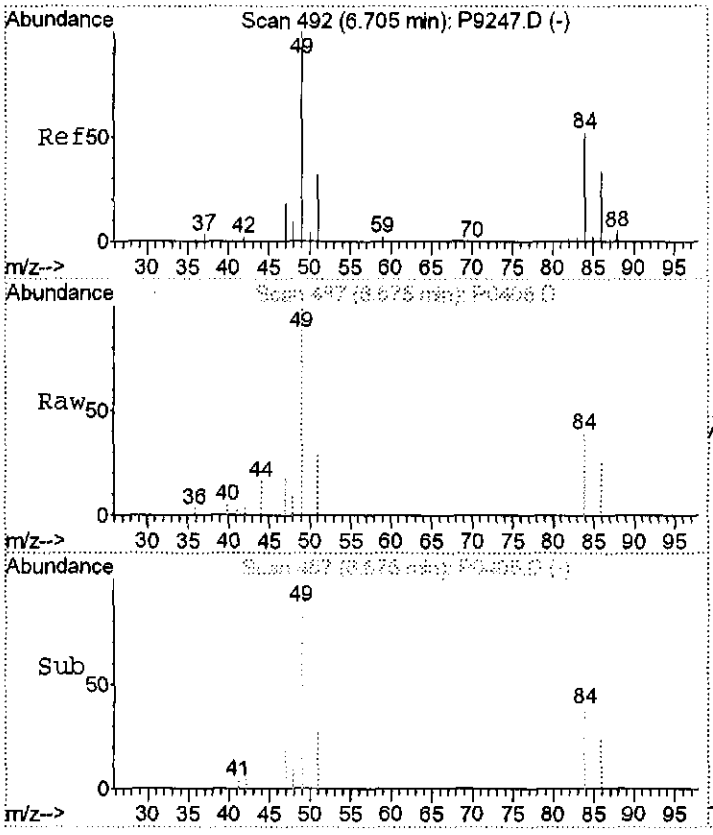


#4
C020 Vinyl chloride
Concen: 7.43 ng
RT: 4.40 min Scan# 113
Delta R.T. 0.01 min
Lab File: P0405.D
Acq: 15 Aug 2008 12:38

Tgt Ion: 62 Resp: 13057

Ion	Ratio	Lower	Upper
62	100		
64	29.4	11.1	51.1

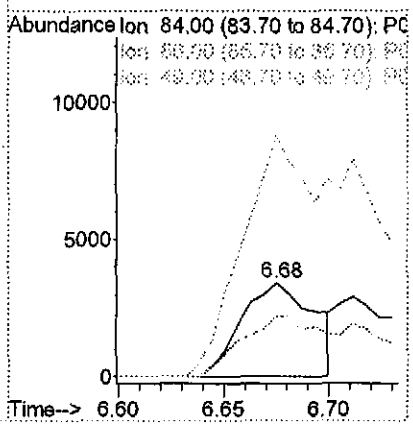


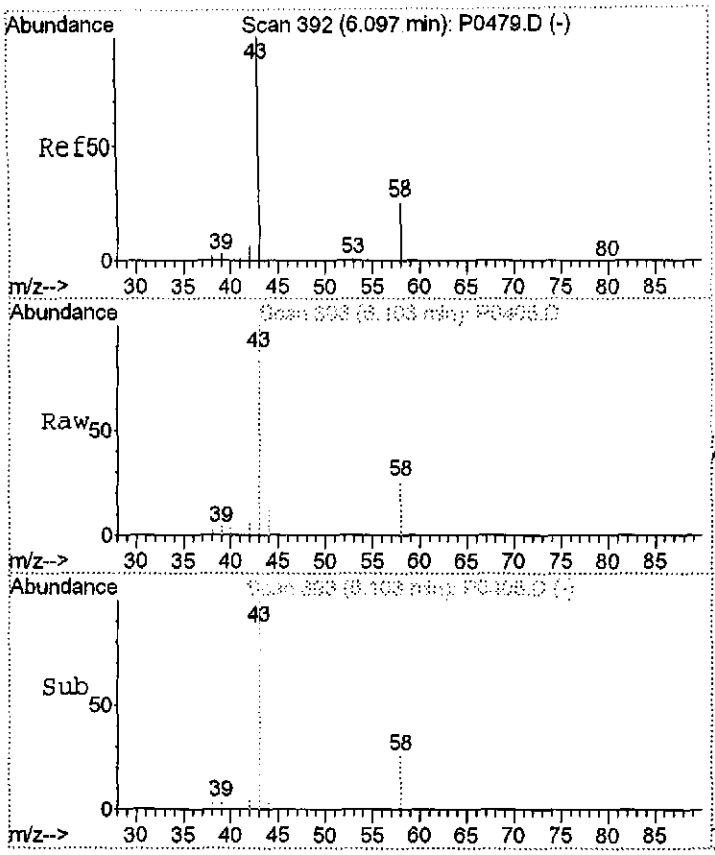


#9
C030 Methylene chloride
Concen: Below Cal
RT: 6.68 min Scan# 487
Delta R.T. 0.01 min
Lab File: P0405.D
Acq: 15 Aug 2008 12:38

Tgt Ion: 84 Resp: 8244

Ion	Ratio	Lower	Upper
84	100		
86	64.2	43.8	83.8
49	257.3	132.8	172.8#

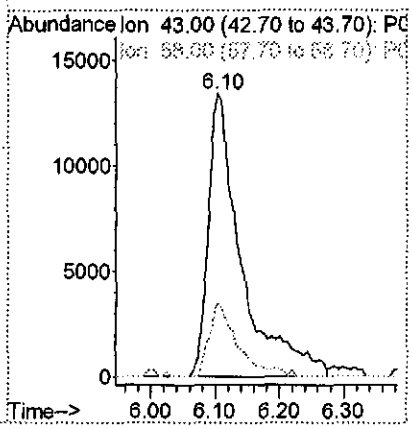


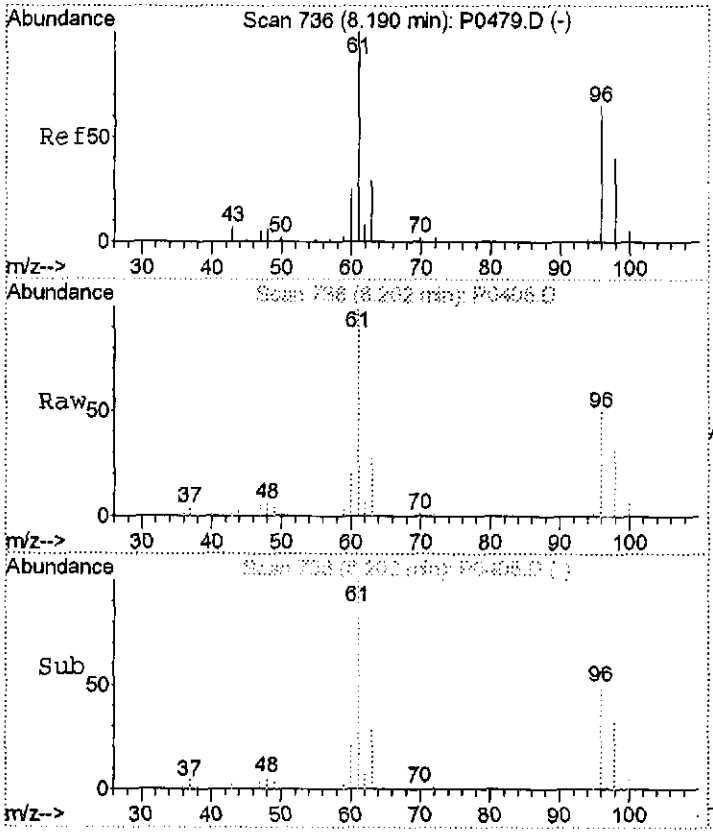


#13
C035 Acetone
Concen: 50.89 ng
RT: 6.10 min Scan# 393
Delta R.T. 0.01 min
Lab File: P0405.D
Acq: 15 Aug 2008 12:38

Tgt Ion: 43 Resp: 48412

Ion	Ratio	Lower	Upper
43	100		
58	26.4	24.2	36.2

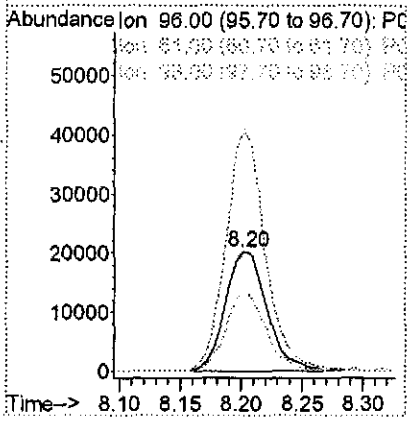


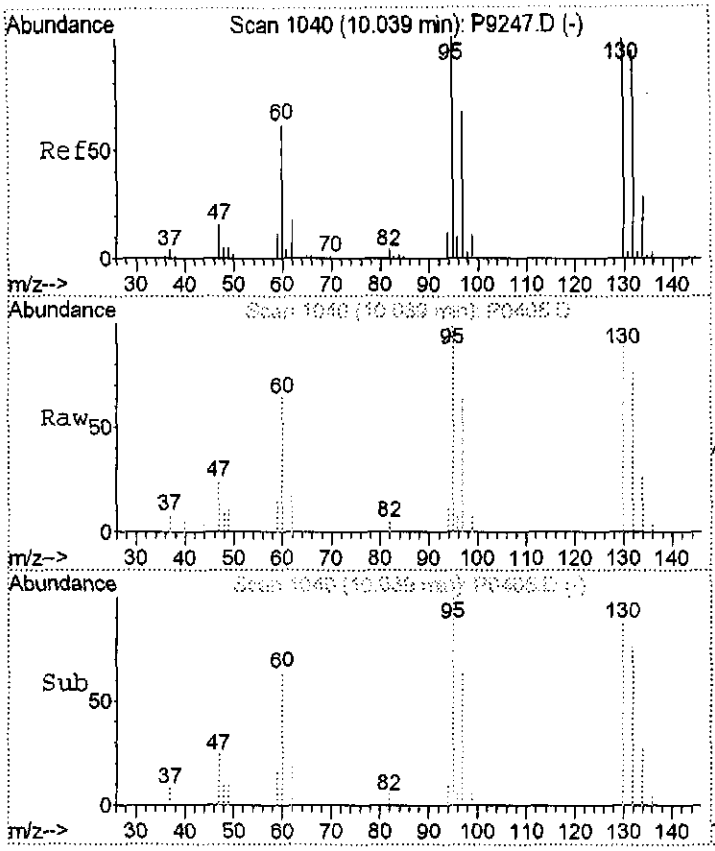


#23
C056 cis-1,2-Dichloroethene
Concen: 32.85 ng
RT: 8.20 min Scan# 738
Delta R.T. 0.01 min
Lab File: P0405.D
Acq: 15 Aug 2008 12:38

Tgt Ion: 96 Resp: 48392

Ion	Ratio	Lower	Upper
96	100		
61	201.5	128.0	168.0#
98	65.4	43.4	83.4

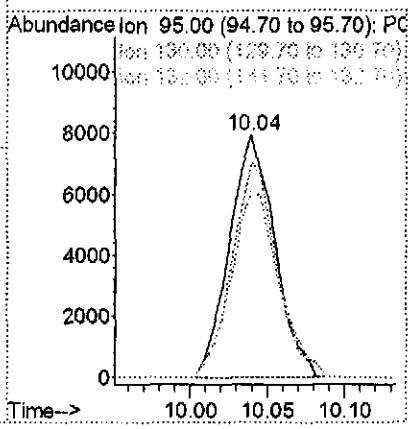


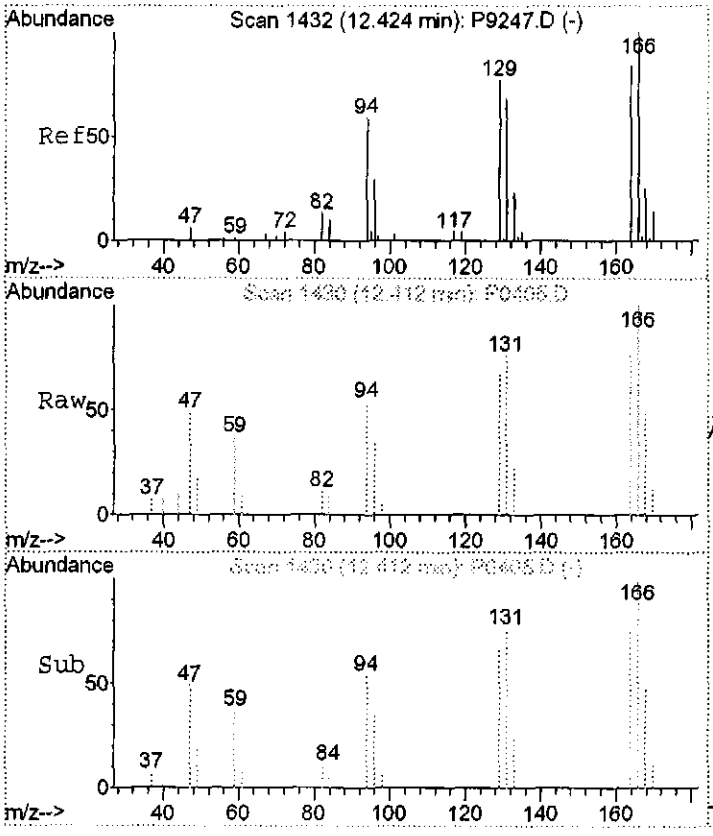


#36
C150 Trichloroethene
Concen: 11.94 ng
RT: 10.04 min Scan# 1040
Delta R.T. 0.01 min
Lab File: P0405.D
Acq: 15 Aug 2008 12:38

Tgt Ion: 95 Resp: 16171

Ion	Ratio	Lower	Upper
95	100		
130	88.4	68.8	108.8
132	76.3	63.4	103.4

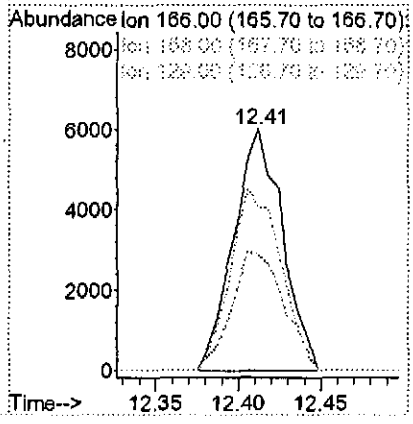


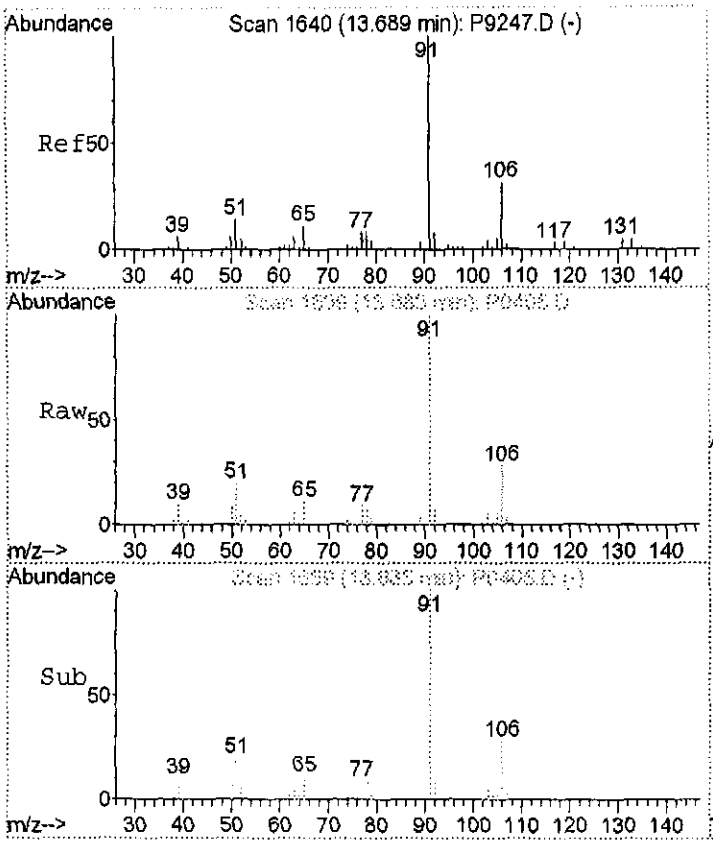


#50
C220 Tetrachloroethene
Concen: 10.72 ng
RT: 12.41 min Scan# 1430
Delta R.T. 0.01 min
Lab File: P0405.D
Acq: 15 Aug 2008 12:38

Tgt Ion:166 Resp: 12295

Ion	Ratio	Lower	Upper
166	100		
168	47.9	26.0	66.0
129	67.3	59.2	99.2

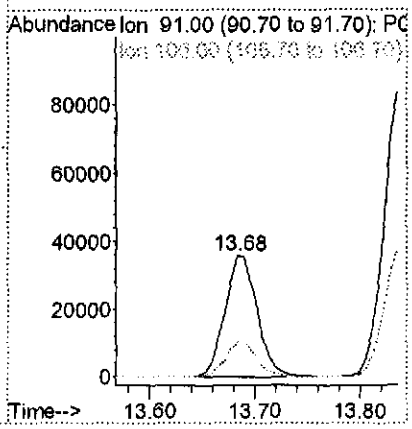


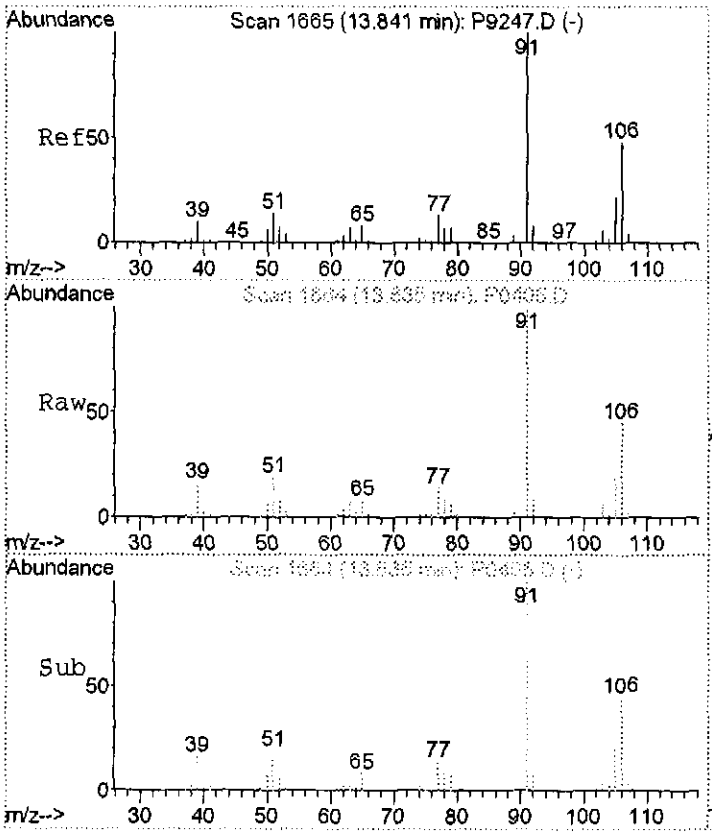


#57
C240 Ethylbenzene
Concen: 12.76 ng
RT: 13.68 min Scan# 1639
Delta R.T. -0.00 min
Lab File: P0405.D
Acq: 15 Aug 2008 12:38

Tgt Ion: 91 Resp: 76555

Ion	Ratio	Lower	Upper
91	100		
106	27.8	8.5	48.5

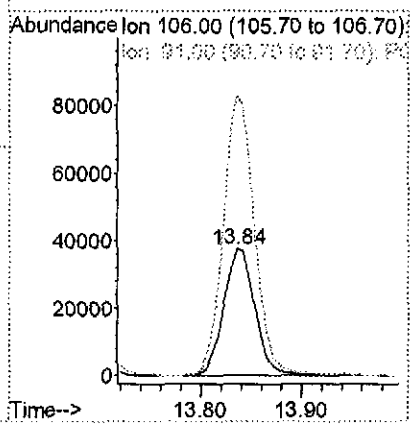


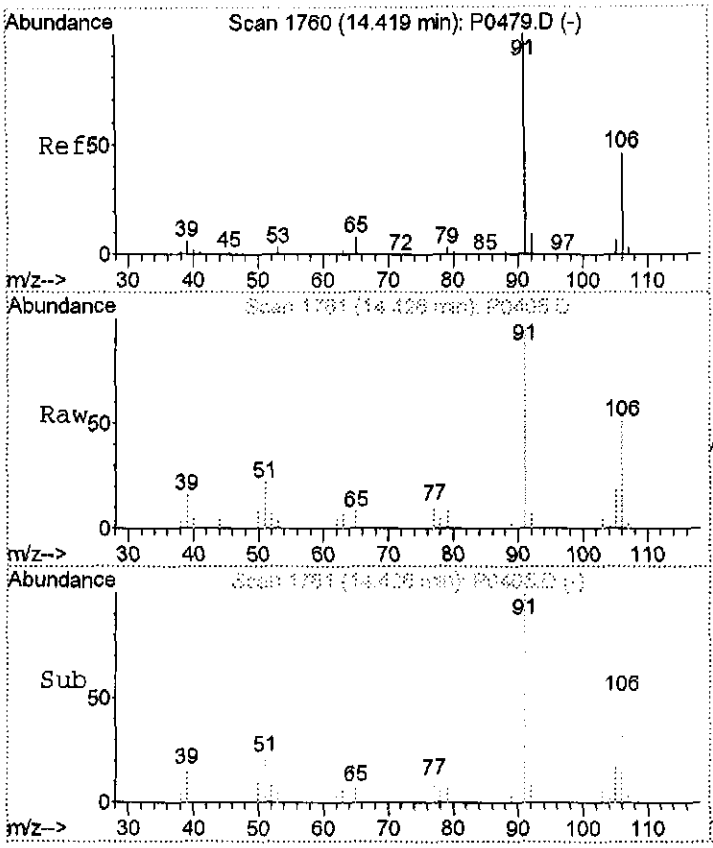


#58
C246 m,p-Xylene
Concen: 37.57 ng
RT: 13.84 min Scan# 1664
Delta R.T. -0.00 min
Lab File: P0405.D
Acq: 15 Aug 2008 12:38

Tgt Ion:106 Resp: 81172

Ion	Ratio	Lower	Upper
106	100		
91	220.9	191.5	231.5

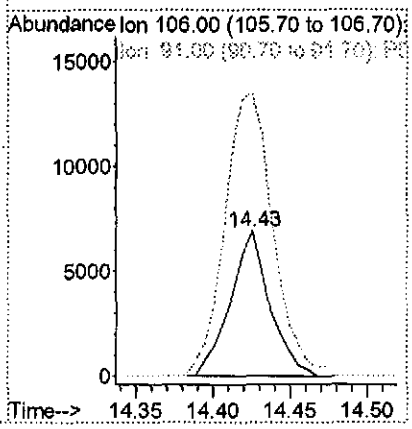




#59
C247 o-Xylene
Concen: 5.57 ng
RT: 14.43 min Scan# 1761
Delta R.T. 0.01 min
Lab File: P0405.D
Acq: 15 Aug 2008 12:38

Tgt Ion:106 Resp: 12328

Ion	Ratio	Lower	Upper
106	100		
91	195.1	204.7	244.7#



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: PZ-6

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962103

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0406.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 4.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	45	J
71-43-2	Benzene	20	U
75-27-4	Bromodichloromethane	20	U
75-25-2	Bromoform	20	U
74-83-9	Bromomethane	20	U
78-93-3	2-Butanone	100	U
75-15-0	Carbon Disulfide	20	U
56-23-5	Carbon Tetrachloride	20	U
108-90-7	Chlorobenzene	20	U
75-00-3	Chloroethane	20	U
67-66-3	Chloroform	20	U
74-87-3	Chloromethane	20	U
110-82-7	Cyclohexane	20	U
106-93-4	1,2-Dibromoethane	20	U
124-48-1	Dibromochloromethane	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
75-71-8	Dichlorodifluoromethane	20	U
75-34-3	1,1-Dichloroethane	20	U
107-06-2	1,2-Dichloroethane	20	U
75-35-4	1,1-Dichloroethene	20	U
156-59-2	cis-1,2-Dichloroethene	19	J
156-60-5	trans-1,2-Dichloroethene	20	U
78-87-5	1,2-Dichloropropane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
100-41-4	Ethylbenzene	20	U
591-78-6	2-Hexanone	100	U
98-82-8	Isopropylbenzene	20	U
79-20-9	Methyl acetate	20	U
108-87-2	Methylcyclohexane	20	U
75-09-2	Methylene chloride	20	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-6

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962103

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0406.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 4.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	100	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	20	U
100-42-5	Styrene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
127-18-4	Tetrachloroethene	14	J
108-88-3	Toluene	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U
71-55-6	1,1,1-Trichloroethane	20	U
79-00-5	1,1,2-Trichloroethane	20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U
75-69-4	Trichlorofluoromethane	20	U
79-01-6	Trichloroethene	19	J
75-01-4	Vinyl chloride	9.6	J
1330-20-7	Total Xylenes	60	U

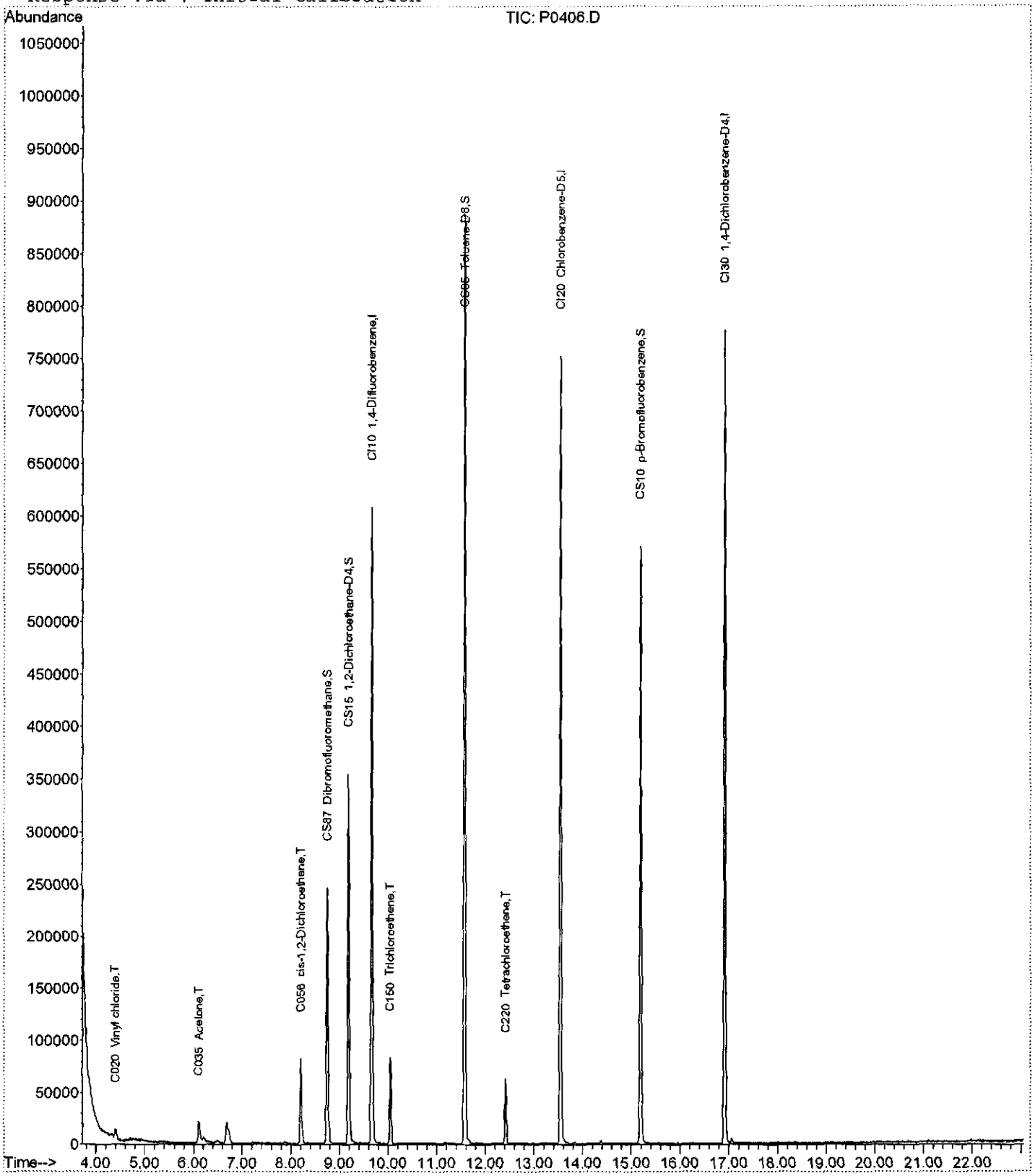
Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\TEMP\P0406.D
Acq On : 15 Aug 2008 13:06
Sample : A8962103 DF4 FOAMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 16:43 2008

Vial: 7
Operator: LH
Inst : HP5973 P
Multiplr: 1.00

Quant Results File: A8I0000550.RES

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Sat Sep 06 09:07:07 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\P0406.D
Acq On : 15 Aug 2008 13:06
Sample : A8962103 DF4 FOAMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 16:43:34 2008

Vial: 7
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 16:40:32 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\P\081508\P0400.D (15 Aug 2008 10:01)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	9.66	114	467122	125.00	ng	0.00 81.03%
43) CI20	Chlorobenzene-D5	13.54	117	428613	125.00	ng	0.00 79.51%
62) CI30	1,4-Dichlorobenzene-	16.91	152	223310	125.00	ng	0.00 77.68%
System Monitoring Compounds							
30) CS87	Dibromofluoromethane	8.74	111	173201	137.43	ng	0.00
Spiked Amount	125.000	Range	70 - 130		Recovery =		109.94%
31) CS15	1,2-Dichloroethane-D	9.18	65	287888	143.93	ng	0.00
Spiked Amount	125.000	Range	66 - 137		Recovery =		115.14%
44) CS05	Toluene-D8	11.57	98	606448	129.58	ng	0.00
Spiked Amount	125.000	Range	71 - 126		Recovery =		103.66%
61) CS10	p-Bromofluorobenzene	15.19	174	164526	117.64	ng	0.00
Spiked Amount	125.000	Range	73 - 120		Recovery =		94.11%

Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	4.17	50	401	N.D.		
4) C020	Vinyl chloride	4.39	62	20973	11.96	ng	93
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
9) C030	Methylene chloride	6.68	84	7374	Below Cal	#	53
10) C040	Carbon disulfide	6.49	76	4744	N.D.		
11) C036	Acrolein	5.98	56	146	N.D.		
12) C038	Acrylonitrile	0.00	53	0	N.D.		
13) C035	Acetone	6.12	43	53140	55.94	ng #	86
14) C300	Acetonitrile	0.00	41	0	N.D.		
15) C276	Iodomethane	0.00	142	0	N.D.		
16) C291	1,1,2 Trichloro-1,2,	0.00	101	0	N.D.		
17) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
18) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
19) C255	Methyl Acetate	6.52	43	1055	N.D.		
20) C050	1,1-Dichloroethane	7.51	63	602	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	8.21	96	35011	23.79	ng #	82
24) C272	Tetrahydrofuran	0.00	42	0	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	0.00	83	0	N.D.		
27) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
28) C120	Carbon tetrachloride	0.00	117	0	N.D.		
29) C116	1,1-Dichloropropene	0.00	75	0	N.D.		
32) C165	Benzene	9.29	78	400	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

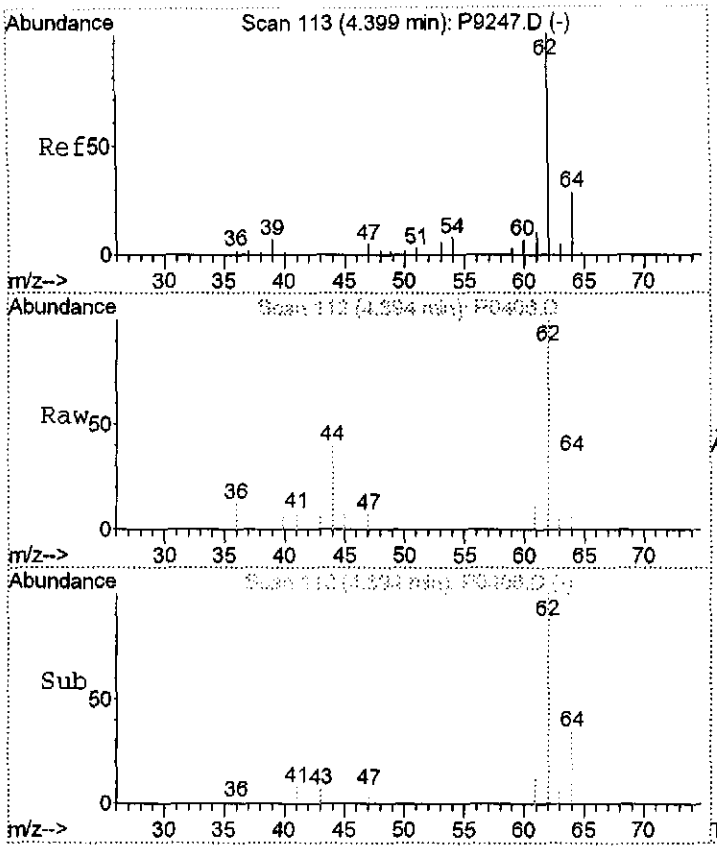
Data File : H:\GCMS_VOA\TEMP\P0406.D
Acq On : 15 Aug 2008 13:06
Sample : A8962103 DF4 FOAMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 16:43:34 2008

Vial: 7
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 16:40:32 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
34)	C110	2-Butanone	8.18	43	3732	N.D.	
35)	C256	Cyclohexane	0.00	56	0	N.D.	
36)	C150	Trichloroethene	10.04	95	32411	23.96 ng	97
37)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
38)	C278	Dibromomethane	0.00	93	0	N.D.	
39)	C130	Bromodichloromethane	0.00	83	0	N.D.	
40)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
41)	C012	Methylcyclohexane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	11.66	92	669	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	0.00	43	0	N.D.	
50)	C220	Tetrachloroethene	12.41	166	19257	17.00 ng	92
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	12.53	43	111	N.D.	
55)	C235	Chlorobenzene	13.59	112	115	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	13.68	91	292	N.D.	
58)	C246	m,p-Xylene	13.85	106	245	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
63)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	89	0	N.D.	
69)	C302	n-Propylbenzene	15.53	91	115	N.D.	
70)	C303	2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	0.00	105	0	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	0.00	105	0	N.D.	
75)	C308	sec-Butylbenzene	0.00	105	0	N.D.	
76)	C260	1,3-Dichlorobenzene	16.95	146	132	N.D.	
77)	C309	4-Isopropyltoluene	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	16.95	146	132	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	17.41	91	144	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	20.36	128	131	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

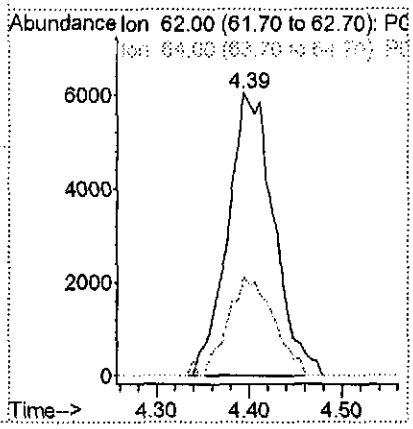
(#) = qualifier out of range (m) = manual integration

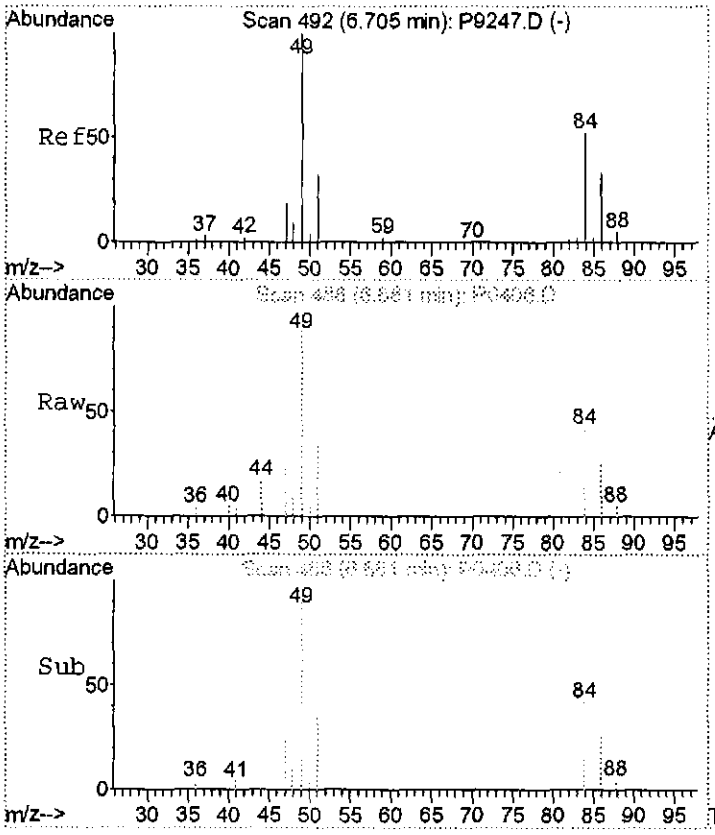


#4
C020 Vinyl chloride
Concen: 11.96 ng
RT: 4.39 min Scan# 112
Delta R.T. -0.00 min
Lab File: P0406.D
Acq: 15 Aug 2008 13:06

Tgt Ion: 62 Resp: 20973

Ion	Ratio	Lower	Upper
62	100		
64	34.9	11.1	51.1

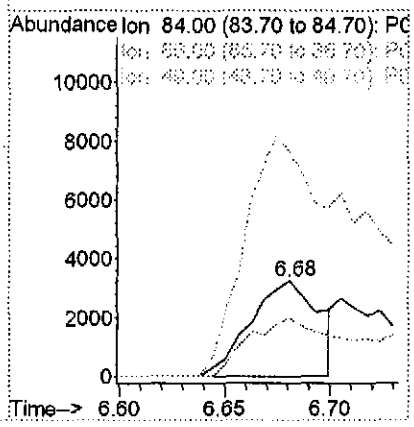


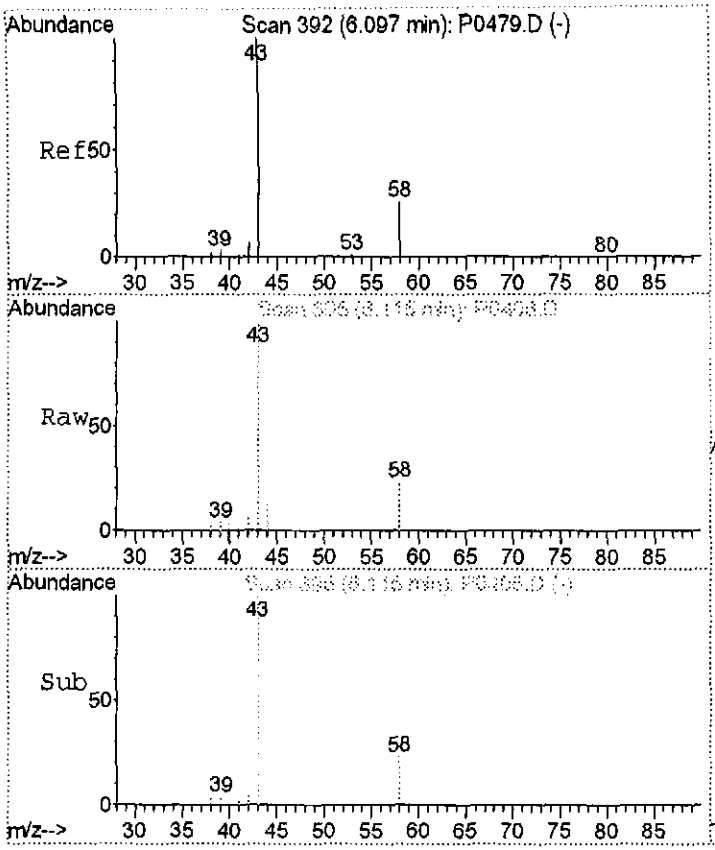


#9
C030 ~~Methylene chloride~~
Concen: Below Cal
RT: ~~6.68 min Scan#~~ 488
Delta R.T. 0.01 min
Lab File: P0406.D
Acq: 15 Aug 2008 13:06

Tgt Ion: 84 Resp: 7374

Ion	Ratio	Lower	Upper
84	100		
86	61.1	43.8	83.8
49	235.7	132.8	172.8#

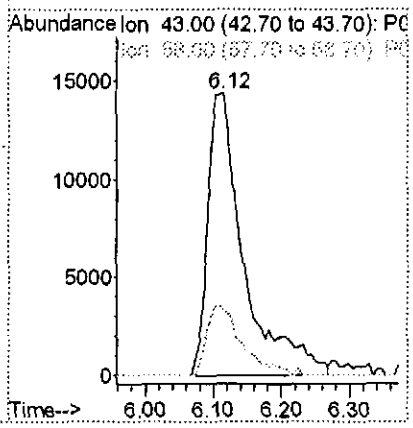


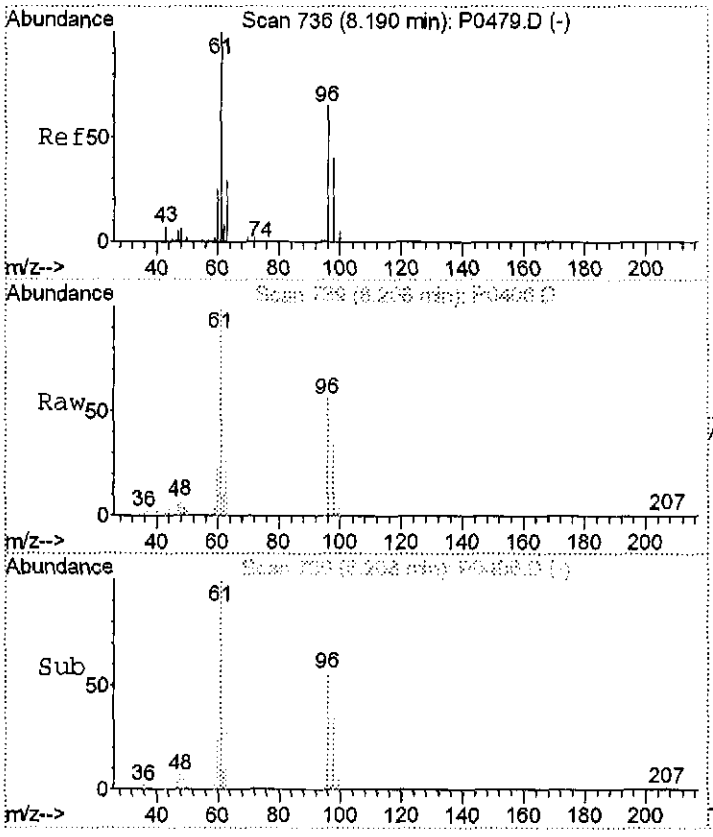


#13
C035 Acetone
Concen: 55.94 ng
RT: 6.12 min Scan# 395
Delta R.T. 0.02 min
Lab File: P0406.D
Acq: 15 Aug 2008 13:06

Tgt Ion: 43 Resp: 53140

Ion	Ratio	Lower	Upper
43	100		
58	22.8	24.2	36.2#

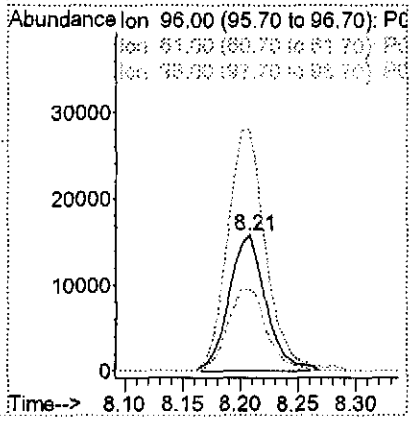


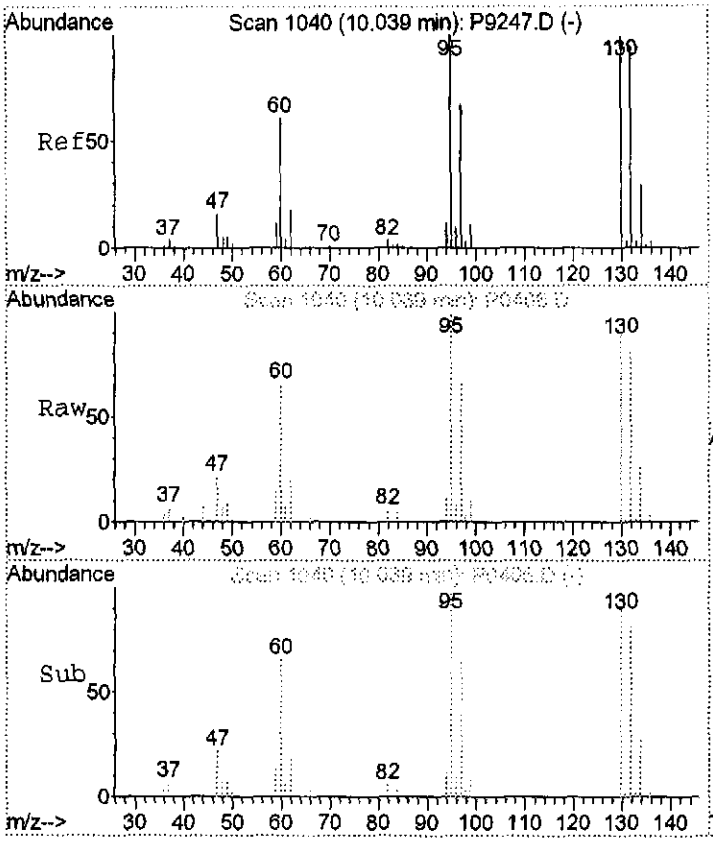


#23
C056 cis-1,2-Dichloroethene
Concen: 23.79 ng
RT: 8.21 min Scan# 739
Delta R.T. 0.01 min
Lab File: P0406.D
Acq: 15 Aug 2008 13:06

Tgt Ion: 96 Resp: 35011

Ion	Ratio	Lower	Upper
96	100		
61	177.6	128.0	168.0#
98	60.1	43.4	83.4

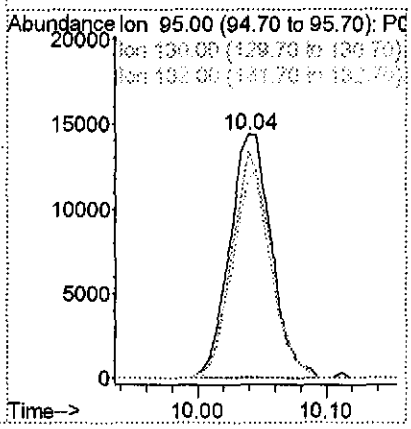


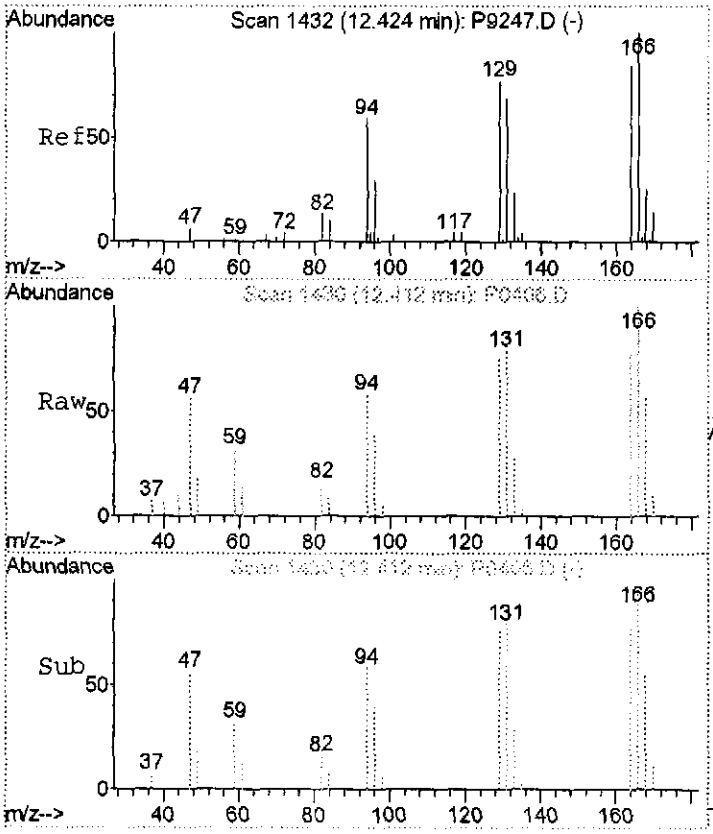


#36
C150 Trichloroethene
Concen: 23.96 ng
RT: 10.04 min Scan# 1040
Delta R.T. 0.01 min
Lab File: P0406.D
Acq: 15 Aug 2008 13:06

Tgt Ion: 95 Resp: 32411

Ion	Ratio	Lower	Upper
95	100		
130	92.7	68.8	108.8
132	81.2	63.4	103.4

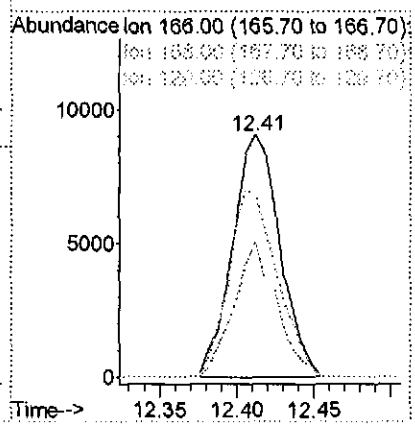




#50
C220 Tetrachloroethene
Concen: 17.00 ng
RT: 12.41 min Scan# 1430
Delta R.T. 0.01 min
Lab File: P0406.D
Acq: 15 Aug 2008 13:06

Tgt Ion:166 Resp: 19257

Ion	Ratio	Lower	Upper
166	100		
168	55.9	26.0	66.0
129	75.8	59.2	99.2



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-7

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962104

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0407.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	33	
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	0.91	J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: PZ-7

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962104

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0407.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

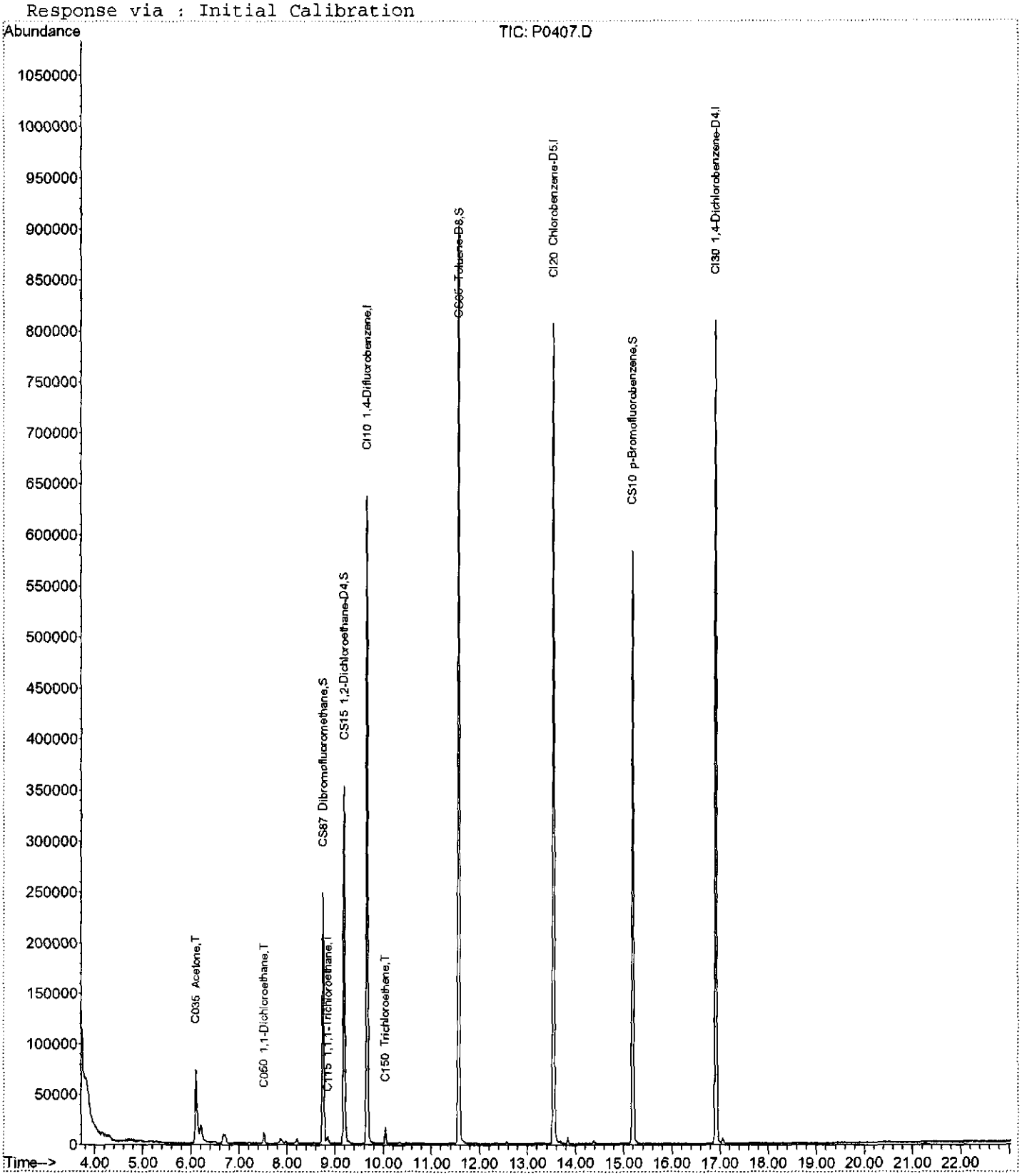
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	1.1	J
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	0.94	J
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Data File : H:\GCMS_VOA\TEMP\P0407.D
Acq On : 15 Aug 2008 13:34
Sample : A8962104
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 16:43 2008

Vial: 8
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: A8I0000550.RES

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Sat Sep 06 09:07:07 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\P0407.D
Acq On : 15 Aug 2008 13:34
Sample : A8962104
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 16:43:39 2008

Vial: 8
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 16:40:32 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\P\081508\P0400.D (15 Aug 2008 10:01)

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	9.66	114	483754	125.00 ng	0.00 83.92%
43) CI20	Chlorobenzene-D5	13.54	117	449374	125.00 ng	0.00 83.36%
62) CI30	1,4-Dichlorobenzene-	16.91	152	227342	125.00 ng	0.00 79.08%
System Monitoring Compounds						
30) CS87	Dibromofluoromethane	8.74	111	172707	132.33 ng	0.00
Spiked Amount	125.000	Range 70 - 130		Recovery = 105.86%		
31) CS15	1,2-Dichloroethane-D	9.18	65	289802	139.90 ng	0.00
Spiked Amount	125.000	Range 66 - 137		Recovery = 111.92%		
44) CS05	Toluene-D8	11.57	98	610708	124.46 ng	0.00
Spiked Amount	125.000	Range 71 - 126		Recovery = 99.57%		
61) CS10	p-Bromofluorobenzene	15.19	174	167465	114.21 ng	0.00
Spiked Amount	125.000	Range 73 - 120		Recovery = 91.37%		
Target Compounds						Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.	
3) C010	Chloromethane	4.17	50	3964	N.D.	
4) C020	Vinyl chloride	0.00	62	0	N.D.	
5) C015	Bromomethane	0.00	94	0	N.D.	
6) C025	Chloroethane	0.00	64	0	N.D.	
7) C275	Trichlorofluorometha	0.00	101	0	N.D.	
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.	
9) C030	Methylene chloride	6.69	84	3685	Below Cal #	69
10) C040	Carbon disulfide	6.51	76	1024	N.D.	
11) C036	Acrolein	5.99	56	253	N.D.	
12) C038	Acrylonitrile	0.00	53	0	N.D.	
13) C035	Acetone	6.10	43	163542	166.23 ng	92
14) C300	Acetonitrile	0.00	41	0	N.D.	
15) C276	Iodomethane	0.00	142	0	N.D.	
16) C291	1,1,2 Trichloro-1,2,	0.00	101	0	N.D.	
17) C962	T-butyl Methyl Ether	6.99	73	1007	N.D.	
18) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.	
19) C255	Methyl Acetate	6.49	43	366	N.D.	
20) C050	1,1-Dichloroethane	7.51	63	14597	4.54 ng	87
21) C125	Vinyl Acetate	0.00	43	0	N.D.	
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.	
23) C056	cis-1,2-Dichloroethe	8.20	96	1114	N.D.	
24) C272	Tetrahydrofuran	8.57	42	403	N.D.	
25) C222	Bromochloromethane	0.00	128	0	N.D.	
26) C060	Chloroform	8.55	83	646	N.D.	
27) C115	1,1,1-Trichloroethan	8.85	97	5906	5.35 ng	92
28) C120	Carbon tetrachloride	0.00	117	0	N.D.	
29) C116	1,1-Dichloropropene	0.00	75	0	N.D.	
32) C165	Benzene	9.30	78	1038	N.D.	

(#) = qualifier out of range (m) = manual integration

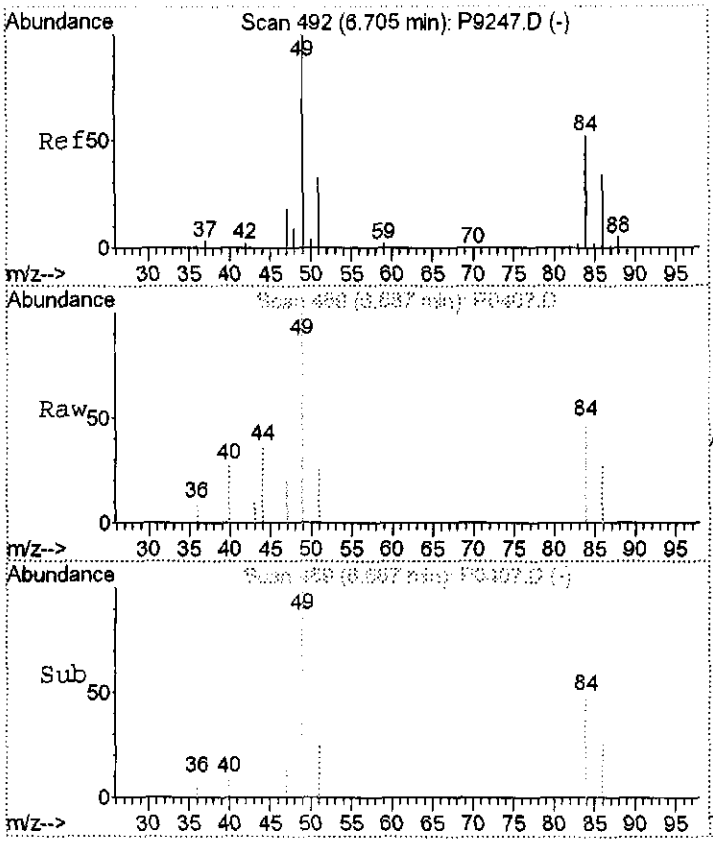
Quantitation Report

Data File : H:\GCMS_VOA\TEMP\P0407.D Vial: 8
Acq On : 15 Aug 2008 13:34 Operator: LH
Sample : A8962104 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 15 16:43:39 2008 Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 16:40:32 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
34)	C110	2-Butanone	8.18	43	4265	N.D.	
35)	C256	Cyclohexane	0.00	56	0	N.D.	
36)	C150	Trichloroethene	10.04	95	6596	4.71 ng	98
37)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
38)	C278	Dibromomethane	0.00	93	0	N.D.	
39)	C130	Bromodichloromethane	0.00	83	0	N.D.	
40)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
41)	C012	Methylcycolhexane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	11.66	92	328	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	0.00	43	0	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	12.37	43	755	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	13.69	91	2726	N.D.	
58)	C246	m,p-Xylene	13.84	106	2083	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
63)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	89	0	N.D.	
69)	C302	n-Propylbenzene	15.53	91	115	N.D.	
70)	C303	2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	0.00	105	0	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	0.00	105	0	N.D.	
75)	C308	sec-Butylbenzene	16.59	105	135	N.D.	
76)	C260	1,3-Dichlorobenzene	0.00	146	0	N.D.	
77)	C309	4-Isopropyltoluene	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	20.18	225	110	N.D.	
84)	C314	Naphthalene	20.37	128	146	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

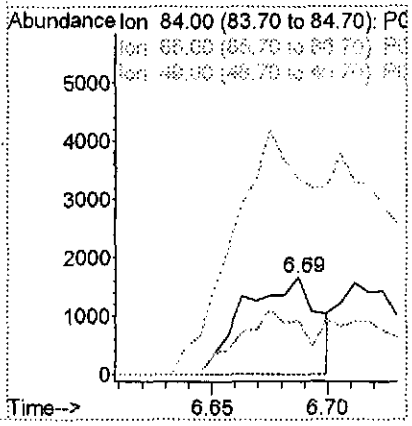
(#) = qualifier out of range (m) = manual integration

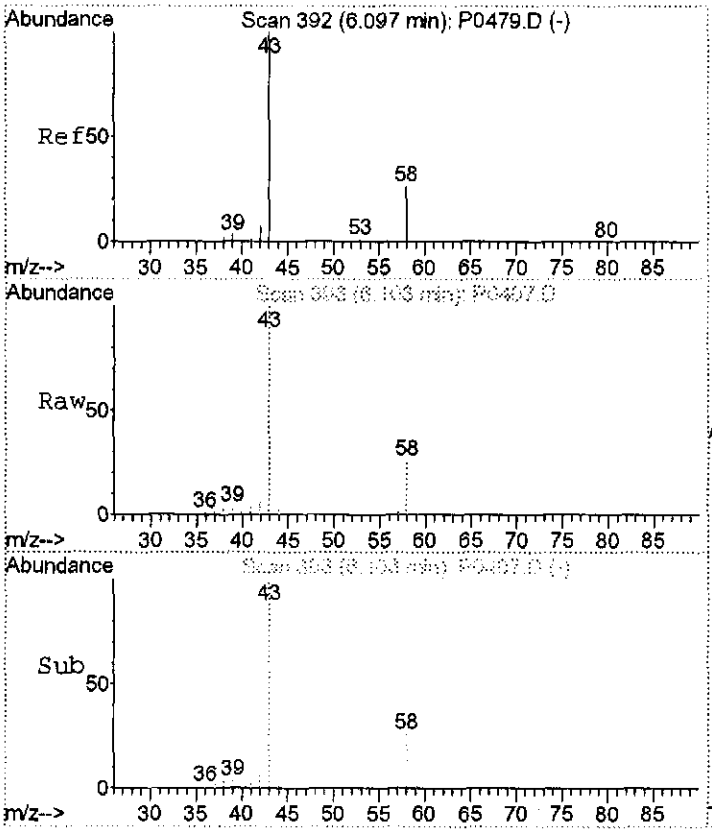


#9
C030 Methylene chloride
Concen: ~~Below Cal~~
RT: 6.69 min Scan# 489
Delta R.T. 0.02 min
Lab File: P0407.D
Acq: 15 Aug 2008 13:34

Tgt Ion: 84 Resp: 3685

Ion	Ratio	Lower	Upper
84	100		
86	55.4	43.8	83.8
49	202.6	132.8	172.8#

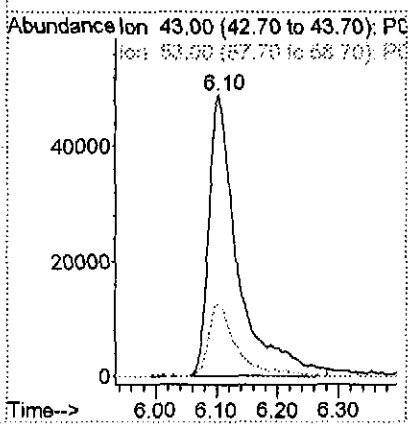


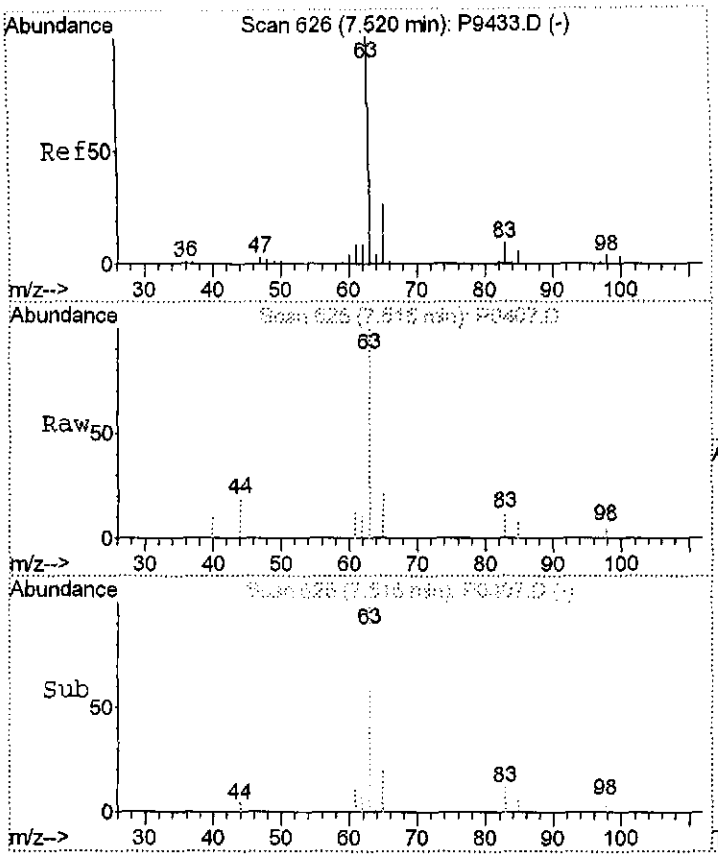


#13
C035 Acetone
Concen: 166.23 ng
RT: 6.10 min Scan# 393
Delta R.T. 0.01 min
Lab File: P0407.D
Acq: 15 Aug 2008 13:34

Tgt Ion: 43 Resp: 163542

Ion	Ratio	Lower	Upper
43	100		
58	26.1	24.2	36.2

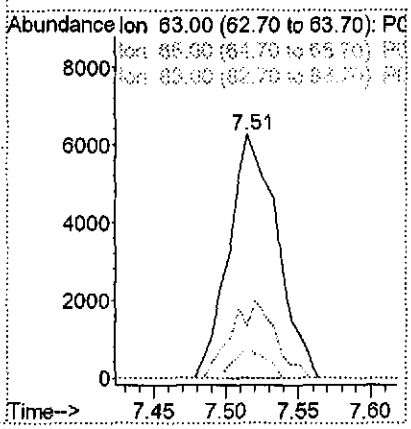


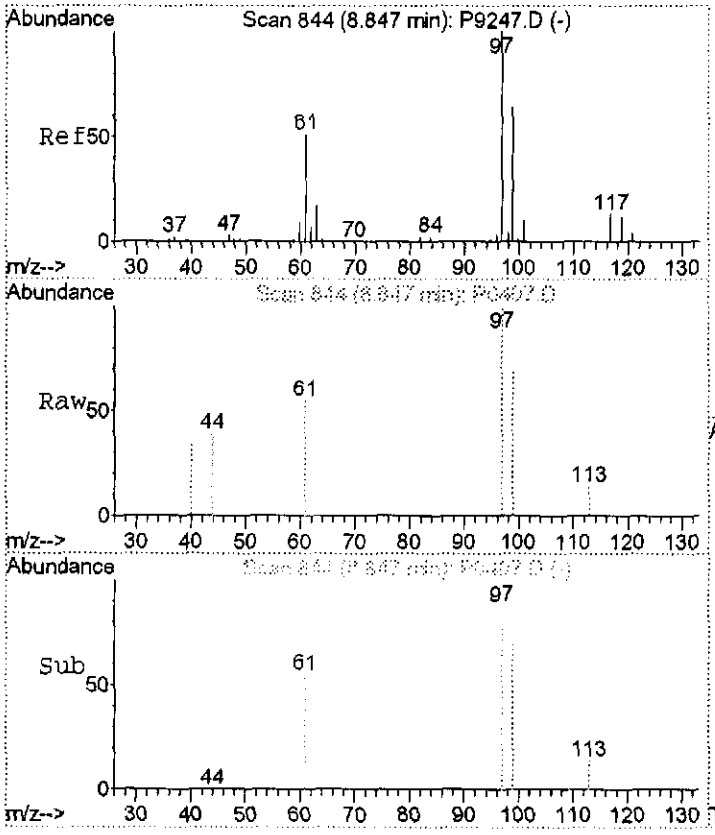


#20
C050 1,1-Dichloroethane
Concen: 4.54 ng
RT: 7.51 min Scan# 625
Delta R.T. 0.01 min
Lab File: P0407.D
Acq: 15 Aug 2008 13:34

Tgt Ion: 63 Resp: 14597

Ion	Ratio	Lower	Upper
63	100		
65	21.3	11.1	51.1
83	11.6	0.0	31.6

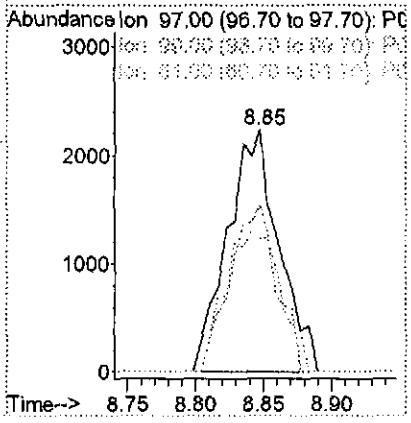


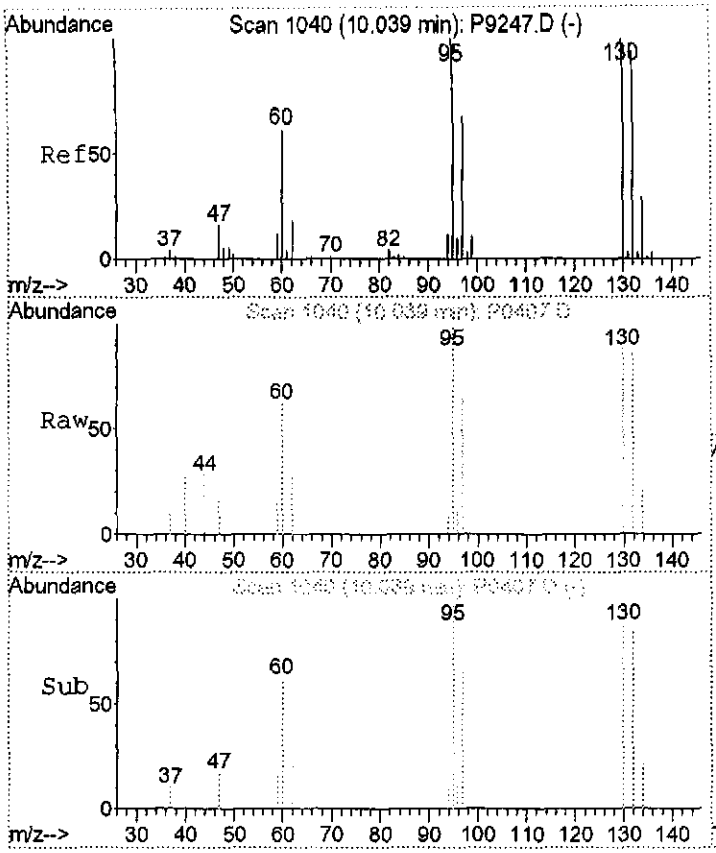


#27
C115 1,1,1-Trichloroethane
Concen: 5.35 ng
RT: 8.85 min Scan# 844
Delta R.T. 0.01 min
Lab File: P0407.D
Acq: 15 Aug 2008 13:34

Tgt Ion: 97 Resp: 5906

Ion	Ratio	Lower	Upper
97	100		
99	69.1	44.1	84.1
61	54.7	28.0	68.0

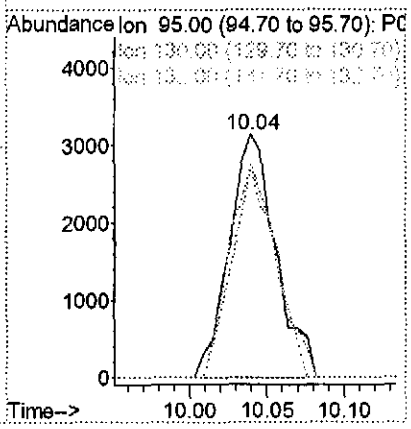




#36
C150 Trichloroethene
Concen: 4.71 ng
RT: 10.04 min Scan# 1040
Delta R.T. 0.01 min
Lab File: P0407.D
Acq: 15 Aug 2008 13:34

Tgt Ion: 95 Resp: 6596

Ion	Ratio	Lower	Upper
95	100		
130	87.7	68.8	108.8
132	86.4	63.4	103.4



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-8

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962101

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0404.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 4.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	770	
71-43-2	Benzene	20	U
75-27-4	Bromodichloromethane	20	U
75-25-2	Bromoform	20	U
74-83-9	Bromomethane	20	U
78-93-3	2-Butanone	100	U
75-15-0	Carbon Disulfide	20	U
56-23-5	Carbon Tetrachloride	20	U
108-90-7	Chlorobenzene	20	U
75-00-3	Chloroethane	20	U
67-66-3	Chloroform	20	
74-87-3	Chloromethane	20	U
110-82-7	Cyclohexane	20	U
106-93-4	1,2-Dibromoethane	20	U
124-48-1	Dibromochloromethane	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
75-71-8	Dichlorodifluoromethane	20	U
75-34-3	1,1-Dichloroethane	20	U
107-06-2	1,2-Dichloroethane	20	U
75-35-4	1,1-Dichloroethene	20	U
156-59-2	cis-1,2-Dichloroethene	1.8	J
156-60-5	trans-1,2-Dichloroethene	20	U
78-87-5	1,2-Dichloropropane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
100-41-4	Ethylbenzene	20	U
591-78-6	2-Hexanone	100	U
98-82-8	Isopropylbenzene	20	U
79-20-9	Methyl acetate	20	U
108-87-2	Methylcyclohexane	20	U
75-09-2	Methylene chloride	20	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-8

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962101

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0404.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 4.00

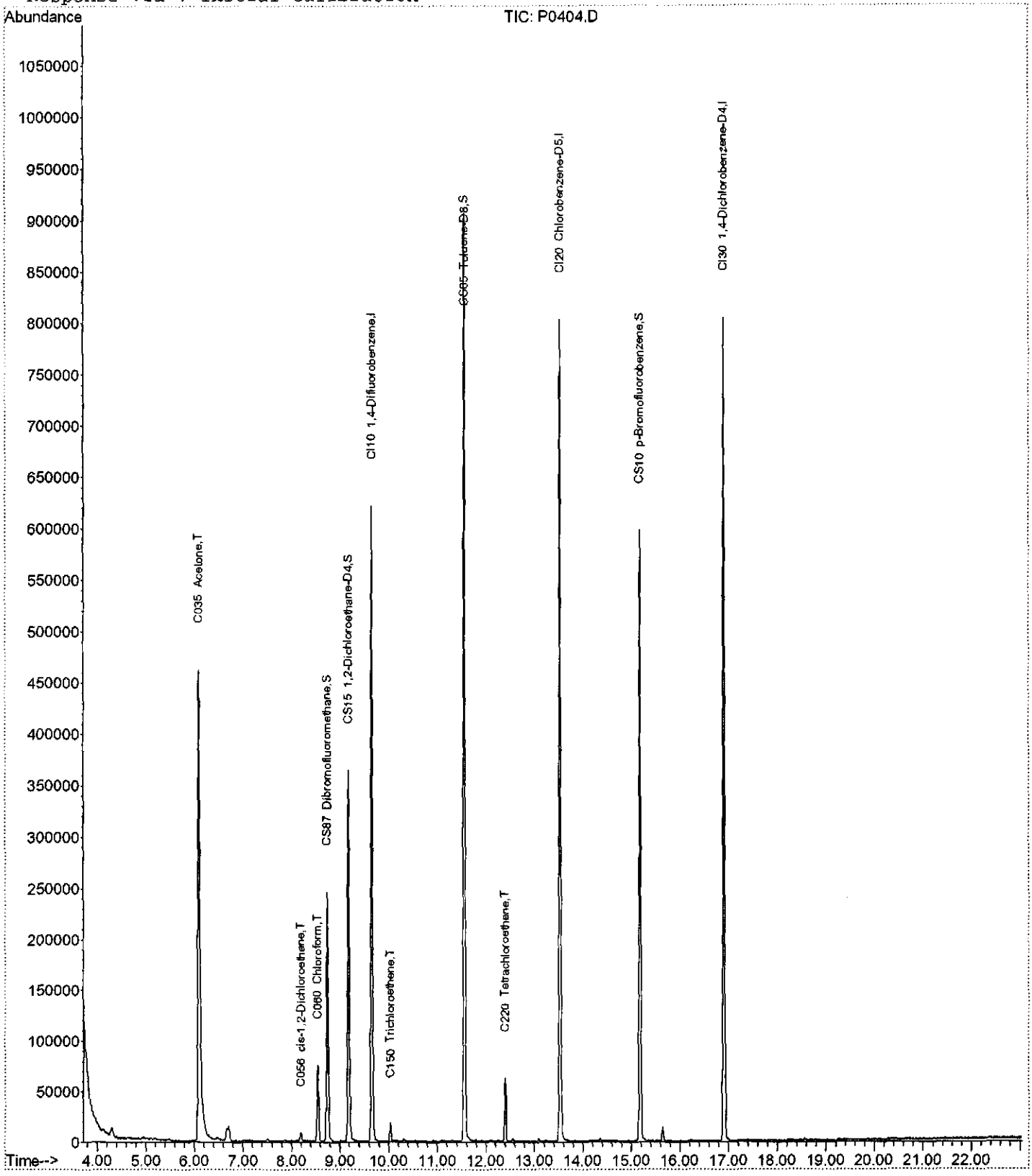
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	100	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	20	U
100-42-5	Styrene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
127-18-4	Tetrachloroethene	14	J
108-88-3	Toluene	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U
71-55-6	1,1,1-Trichloroethane	20	U
79-00-5	1,1,2-Trichloroethane	20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U
75-69-4	Trichlorofluoromethane	20	U
79-01-6	Trichloroethene	4.1	J
75-01-4	Vinyl chloride	20	U
1330-20-7	Total Xylenes	60	U

Data File : H:\GCMS_VOA\TEMP\P0404.D
Acq On : 15 Aug 2008 12:10
Sample : A8962101 DF4 FOAMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 16:42 2008

Vial: 5
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: A8I0000550.RES

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Sat Sep 06 09:07:07 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\P0404.D
Acq On : 15 Aug 2008 12:10
Sample : A8962101 DF4 FOAMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 16:43:24 2008

Vial: 5
Operator: LH
Inst : HP5973 P
Multiplr: 1.00

Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 16:40:32 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\P\081508\P0400.D (15 Aug 2008 10:01)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	9.66	114	477973	125.00	ng	0.00 82.92%
43) CI20	Chlorobenzene-D5	13.54	117	435746	125.00	ng	0.00 80.83%
62) CI30	1,4-Dichlorobenzene-	16.91	152	221823	125.00	ng	0.00 77.16%
System Monitoring Compounds							
30) CS87	Dibromofluoromethane	8.74	111	173979	134.92	ng	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery	=	107.94%	
31) CS15	1,2-Dichloroethane-D	9.18	65	291722	142.53	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery	=	114.02%	
44) CS05	Toluene-D8	11.57	98	626096	131.58	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery	=	105.26%	
61) CS10	p-Bromofluorobenzene	15.19	174	167057	117.49	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery	=	93.99%	

Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	4.16	50	1013	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
9) C030	Methylene chloride	6.67	84	3682	Below Cal	#	51
10) C040	Carbon disulfide	6.48	76	2010	N.D.		
11) C036	Acrolein	5.96	56	235	N.D.		
12) C038	Acrylonitrile	0.00	53	0	N.D.		
13) C035	Acetone	6.09	43	934857	961.70	ng	91
14) C300	Acetonitrile	6.50	41	646	N.D.		
15) C276	Iodomethane	0.00	142	0	N.D.		
16) C291	1,1,2 Trichloro-1,2,	0.00	101	0	N.D.		
17) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
18) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
19) C255	Methyl Acetate	6.55	43	238	N.D.		
20) C050	1,1-Dichloroethane	7.52	63	3403	N.D.		
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	8.20	96	3473	2.31	ng	# 80
24) C272	Tetrahydrofuran	8.55	42	111	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	8.55	83	62926	25.12	ng	98
27) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
28) C120	Carbon tetrachloride	0.00	117	0	N.D.		
29) C116	1,1-Dichloropropene	0.00	75	0	N.D.		
32) C165	Benzene	9.29	78	615	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\TEMP\P0404.D
Acq On : 15 Aug 2008 12:10
Sample : A8962101 DF4 FOAMS
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 16:43:24 2008

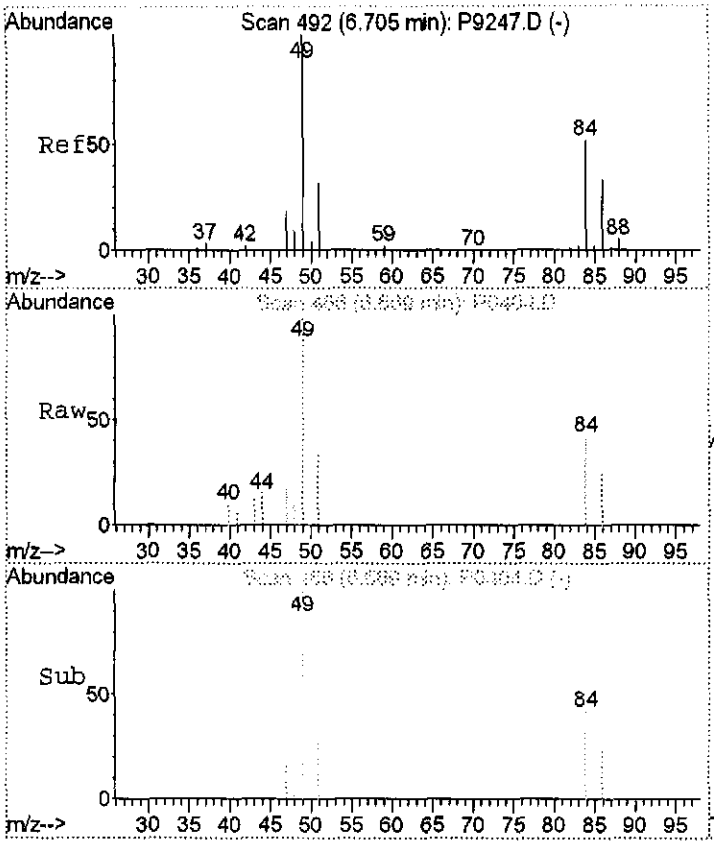
Vial: 5
Operator: LH
Inst : HP5973 P
Multiplr: 1.00

Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 16:40:32 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
34)	C110	2-Butanone	8.18	43	4770	N.D.	
35)	C256	Cyclohexane	0.00	56	0	N.D.	
36)	C150	Trichloroethene	10.04	95	7122	5.14 ng	94
37)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
38)	C278	Dibromomethane	0.00	93	0	N.D.	
39)	C130	Bromodichloromethane	0.00	83	0	N.D.	
40)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
41)	C012	Methylcycolhexane	10.33	83	114	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	11.66	92	723	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	11.31	43	1520	N.D.	
50)	C220	Tetrachloroethene	12.41	166	20132	17.49 ng	92
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	12.56	43	255	N.D.	
55)	C235	Chlorobenzene	13.57	112	114	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	13.69	91	861	N.D.	
58)	C246	m,p-Xylene	13.85	106	165	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
63)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	14.92	105	278	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	89	0	N.D.	
69)	C302	n-Propylbenzene	15.53	91	551	N.D.	
70)	C303	2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	15.76	105	130	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	0.00	105	0	N.D.	
75)	C308	sec-Butylbenzene	16.59	105	700	N.D.	
76)	C260	1,3-Dichlorobenzene	16.95	146	293	N.D.	
77)	C309	4-Isopropyltoluene	16.79	119	510	N.D.	
78)	C267	1,4-Dichlorobenzene	16.95	146	293	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	17.41	91	604	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	20.18	225	113	N.D.	
84)	C314	Naphthalene	20.37	128	630	N.D.	
85)	C934	1,2,3-Trichlorobenze	20.75	180	110	N.D.	

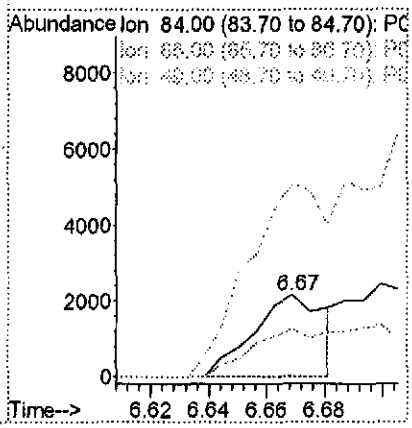
(#) = qualifier out of range (m) = manual integration

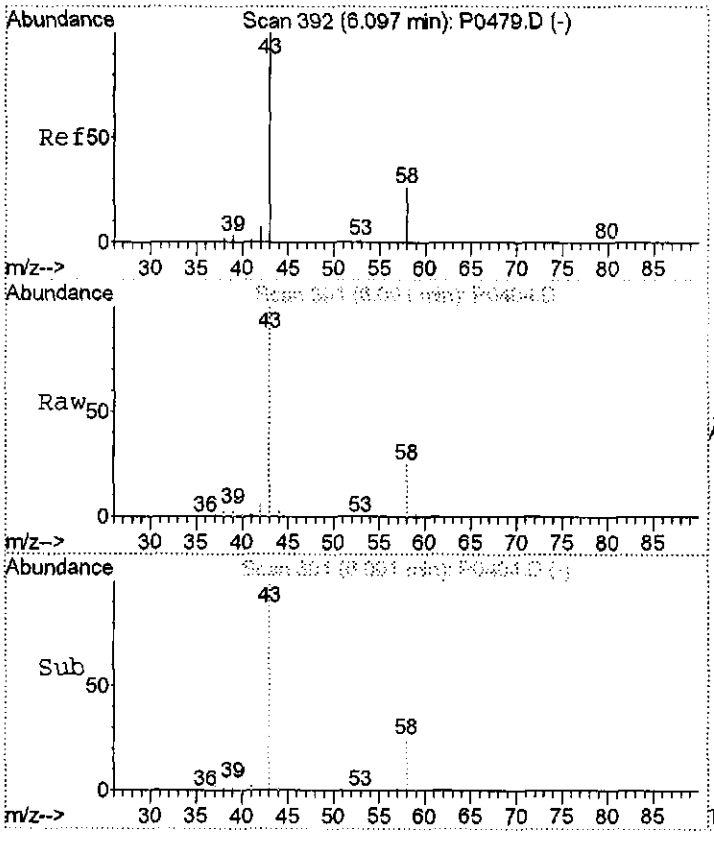


#9
C030 Methylene chloride
Concen: ~~Below Cal~~
RT: 6.67 min Scan# 486
Delta R.T. -0.00 min
Lab File: P0404.D
Acq: 15 Aug 2008 12:10

Tgt Ion: 84 Resp: 3682

Ion	Ratio	Lower	Upper
84	100		
86	57.5	43.8	83.8
49	237.1	132.8	172.8#

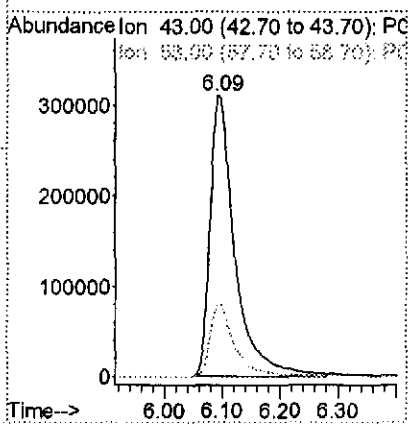


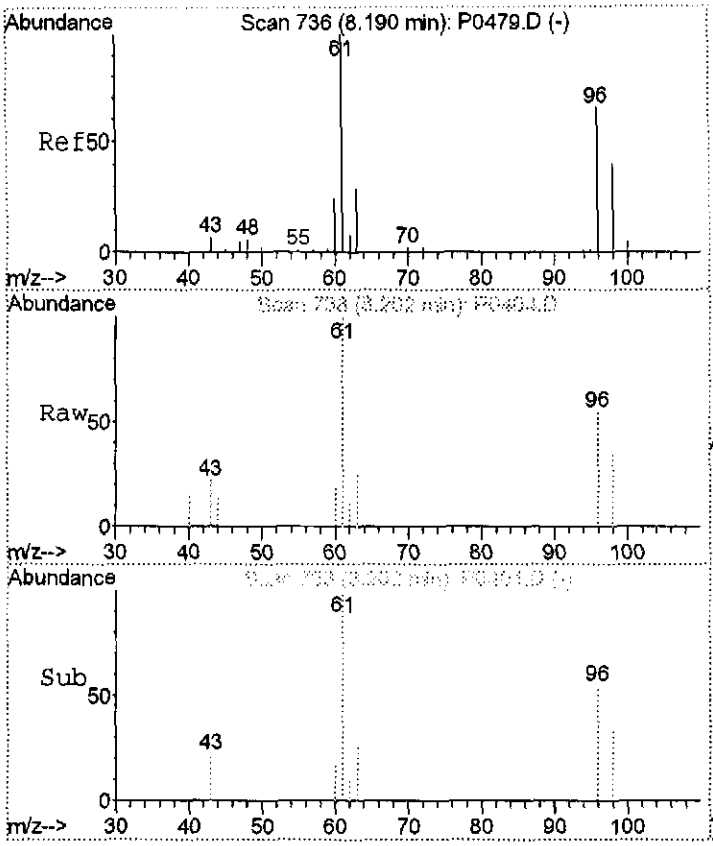


#13
C035 Acetone
Concen: 961.70 ng
RT: 6.09 min Scan# 391
Delta R.T. -0.01 min
Lab File: P0404.D
Acq: 15 Aug 2008 12:10

Tgt Ion: 43 Resp: 934857

Ion	Ratio	Lower	Upper
43	100		
58	25.3	24.2	36.2

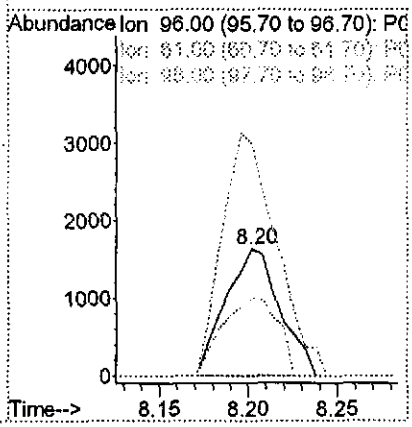


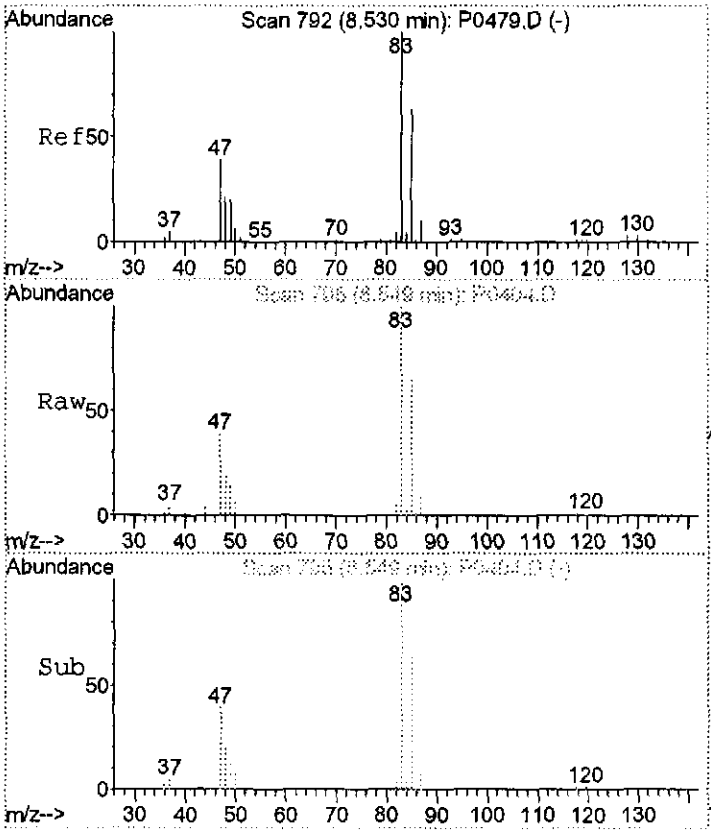


#23
C056 cis-1,2-Dichloroethene
Concen: 2.31 ng
RT: 8.20 min Scan# 738
Delta R.T. 0.01 min
Lab File: P0404.D
Acq: 15 Aug 2008 12:10

Tgt Ion: 96 Resp: 3473

Ion	Ratio	Lower	Upper
96	100		
61	182.9	128.0	168.0#
98	61.6	43.4	83.4

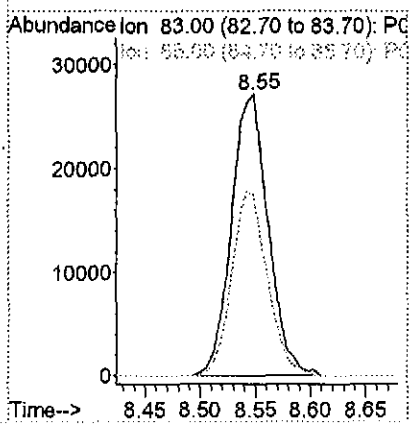


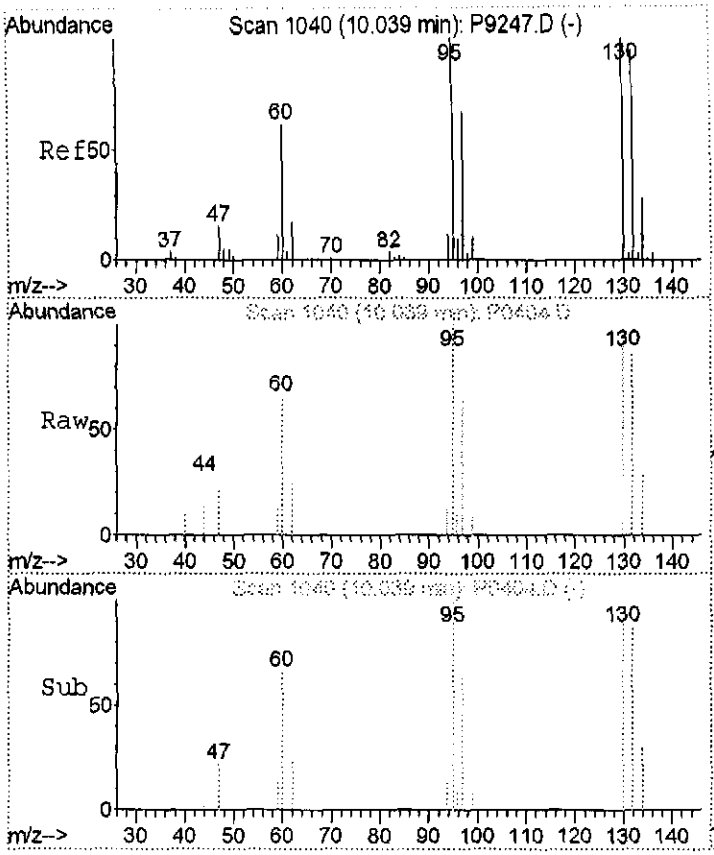


#26
C060 Chloroform
Concen: 25.12 ng
RT: 8.55 min Scan# 795
Delta R.T. 0.01 min
Lab File: P0404.D
Acq: 15 Aug 2008 12:10

Tgt Ion: 83 Resp: 62926

Ion	Ratio	Lower	Upper
83	100		
85	64.6	45.9	85.9

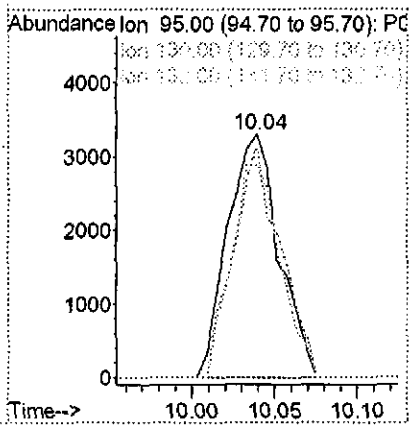


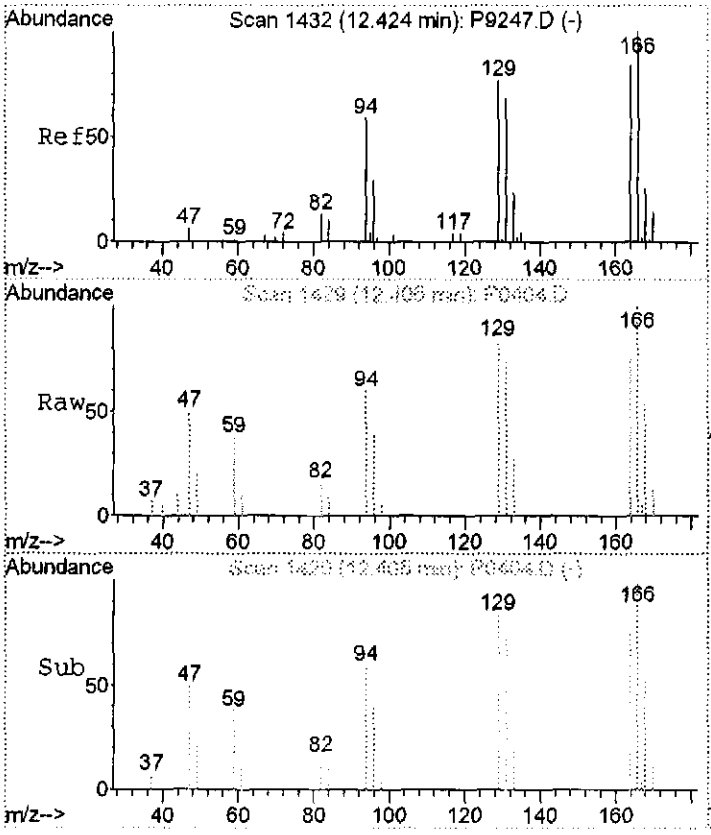


#36
C150 Trichloroethene
Concen: 5.14 ng
RT: 10.04 min Scan# 1040
Delta R.T. 0.01 min
Lab File: P0404.D
Acq: 15 Aug 2008 12:10

Tgt Ion: 95 Resp: 7122

Ion	Ratio	Lower	Upper
95	100		
130	95.5	68.8	108.8
132	87.1	63.4	103.4

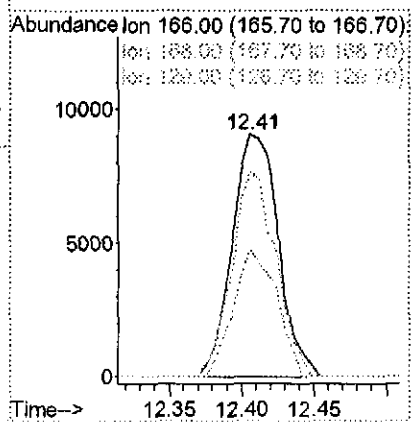




#50
C220 Tetrachloroethene
Concen: 17.49 ng
RT: 12.41 min Scan# 1429
Delta R.T. -0.00 min
Lab File: P0404.D
Acq: 15 Aug 2008 12:10

Tgt Ion:166 Resp: 20132

Ion	Ratio	Lower	Upper
166	100		
168	53.4	26.0	66.0
129	84.1	59.2	99.2



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-9

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962106

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0409.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	150	
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	2.6	J
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	0.40	J
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	3.0	J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	1.5	J

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-9

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962106

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0409.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

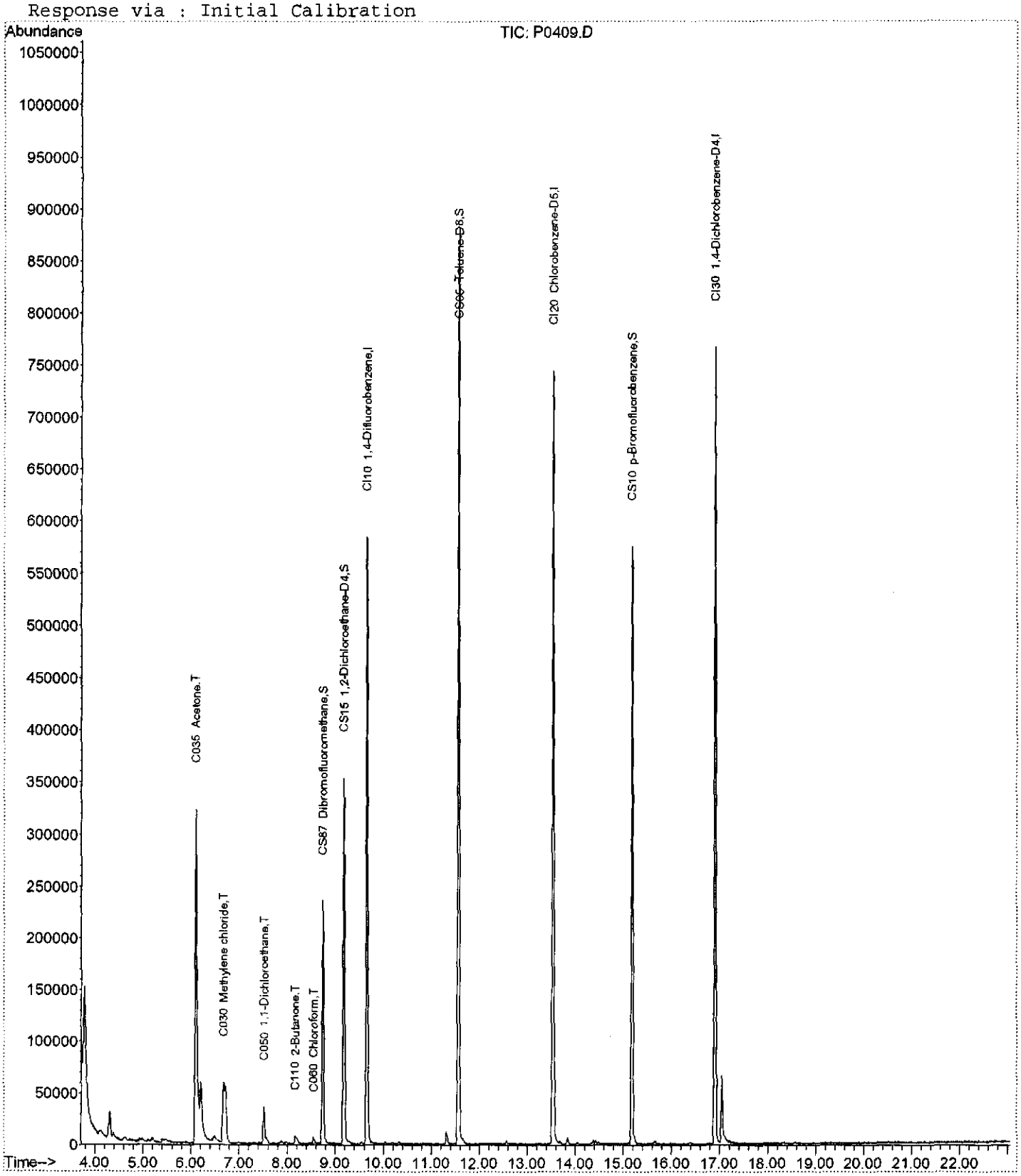
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Data File : H:\GCMS_VOA\TEMP\P0409.D
Acq On : 15 Aug 2008 14:30
Sample : A8962106 A+B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 17:18 2008

Vial: 10
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: A8I0000550.RES

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Sat Sep 06 09:07:07 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\P0409.D Vial: 10
Acq On : 15 Aug 2008 14:30 Operator: LH
Sample : A8962106 A+B Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 15 16:43:48 2008 Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 16:40:32 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\P\081508\P0400.D (15 Aug 2008 10:01)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	9.66	114	453689	125.00	ng	0.01 78.70%
43) CI20	Chlorobenzene-D5	13.54	117	421251	125.00	ng	0.00 78.14%
62) CI30	1,4-Dichlorobenzene-	16.91	152	219009	125.00	ng	0.00 76.18%
System Monitoring Compounds							
30) CS87	Dibromofluoromethane	8.74	111	168574	137.72	ng	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery =	110.18%		
31) CS15	1,2-Dichloroethane-D	9.18	65	285734	147.08	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery =	117.66%		
44) CS05	Toluene-D8	11.57	98	600056	130.45	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery =	104.36%		
61) CS10	p-Bromofluorobenzene	15.19	174	164433	119.63	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery =	95.70%		
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.		
3) C010	Chloromethane	4.17	50	1303	N.D.		
4) C020	Vinyl chloride	0.00	62	0	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	0.00	101	0	N.D.		
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.		
9) C030	Methylene chloride	6.68	84	24786	7.61	ng #	41
10) C040	Carbon disulfide	0.00	76	0	N.D. d		
11) C036	Acrolein	5.99	56	144	N.D.		
12) C038	Acrylonitrile	0.00	53	0	N.D.		
13) C035	Acetone	6.10	43	676526	733.20	ng	92
14) C300	Acetonitrile	6.57	41	980	N.D.		
15) C276	Iodomethane	0.00	142	0	N.D.		
16) C291	1,1,2 Trichloro-1,2,	0.00	101	0	N.D.		
17) C962	T-butyl Methyl Ether	6.99	73	1090	N.D.		
18) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.		
19) C255	Methyl Acetate	6.50	43	908	N.D.		
20) C050	1,1-Dichloroethane	7.52	63	44591	14.80	ng	99
21) C125	Vinyl Acetate	0.00	43	0	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	8.21	96	1483	N.D.		
24) C272	Tetrahydrofuran	8.55	42	561	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	8.55	83	4768	2.01	ng	97
27) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.		
28) C120	Carbon tetrachloride	0.00	117	0	N.D.		
29) C116	1,1-Dichloropropene	0.00	75	0	N.D.		
32) C165	Benzene	9.28	78	2026	N.D.		

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\TEMP\P0409.D
Acq On : 15 Aug 2008 14:30
Sample : A8962106 A+B
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 16:43:48 2008

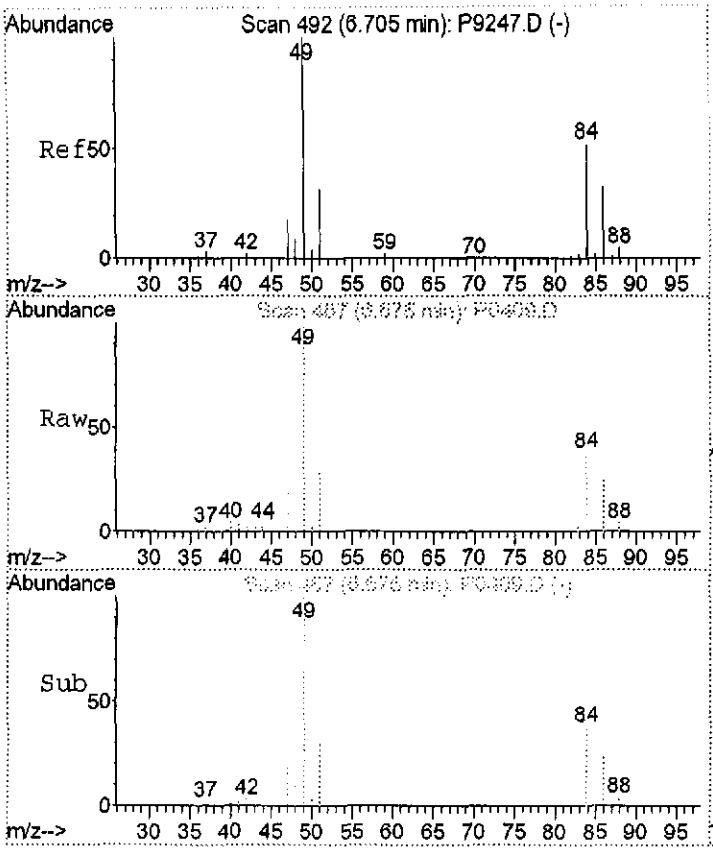
Vial: 10
Operator: LH
Inst : HP5973 P
Multiplr: 1.00

Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 16:40:32 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit		Qvalue
33)	C065	1,2-Dichloroethane	0.00	62	0	N.D.		
34)	C110	2-Butanone	8.17	43	18060	12.91 ng	#	68
35)	C256	Cyclohexane	0.00	56	0	N.D.		
36)	C150	Trichloroethene	10.05	95	965	N.D.		
37)	C140	1,2-Dichloropropane	0.00	63	0	N.D.		
38)	C278	Dibromomethane	0.00	93	0	N.D.		
39)	C130	Bromodichloromethane	0.00	83	0	N.D.		
40)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.		
41)	C012	Methylcycolhexane	0.00	83	0	N.D.		
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.		
45)	C230	Toluene	11.66	92	1477	N.D.		
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.		
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.		
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.		
49)	C210	4-Methyl-2-pentanone	11.32	43	12646	N.D.		
50)	C220	Tetrachloroethene	0.00	166	0	N.D.		
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.		
52)	C155	Dibromochloromethane	0.00	129	0	N.D.		
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.		
54)	C215	2-Hexanone	12.44	43	113	N.D.		
55)	C235	Chlorobenzene	0.00	112	0	N.D.		
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.		
57)	C240	Ethylbenzene	13.70	91	2653	N.D.		
58)	C246	m,p-Xylene	13.84	106	2347	N.D.		
59)	C247	o-Xylene	14.43	106	1129	N.D.		
60)	C245	Styrene	0.00	104	0	N.D.		
63)	C180	Bromoform	0.00	173	0	N.D.		
64)	C966	Isopropylbenzene	0.00	105	0	N.D.		
65)	C301	Bromobenzene	0.00	156	0	N.D.		
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.		
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.		
68)	C283	t-1,4-Dichloro-2-But	0.00	89	0	N.D.		
69)	C302	n-Propylbenzene	15.54	91	127	N.D.		
70)	C303	2-Chlorotoluene	0.00	126	0	N.D.		
71)	C289	4-Chlorotoluene	0.00	126	0	N.D.		
72)	C304	1,3,5-Trimethylbenze	0.00	105	0	N.D.		
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.		
74)	C307	1,2,4-Trimethylbenze	16.35	105	115	N.D.		
75)	C308	sec-Butylbenzene	0.00	105	0	N.D.		
76)	C260	1,3-Dichlorobenzene	16.96	146	113	N.D.		
77)	C309	4-Isopropyltoluene	16.79	119	439	N.D.		
78)	C267	1,4-Dichlorobenzene	16.96	146	113	N.D.		
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.		
80)	C310	n-Butylbenzene	17.40	91	113	N.D.		
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.		
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.		
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.		
84)	C314	Naphthalene	20.36	128	545	N.D.		
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.		

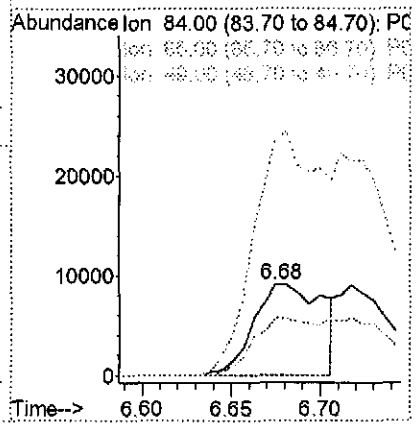
(#) = qualifier out of range (m) = manual integration

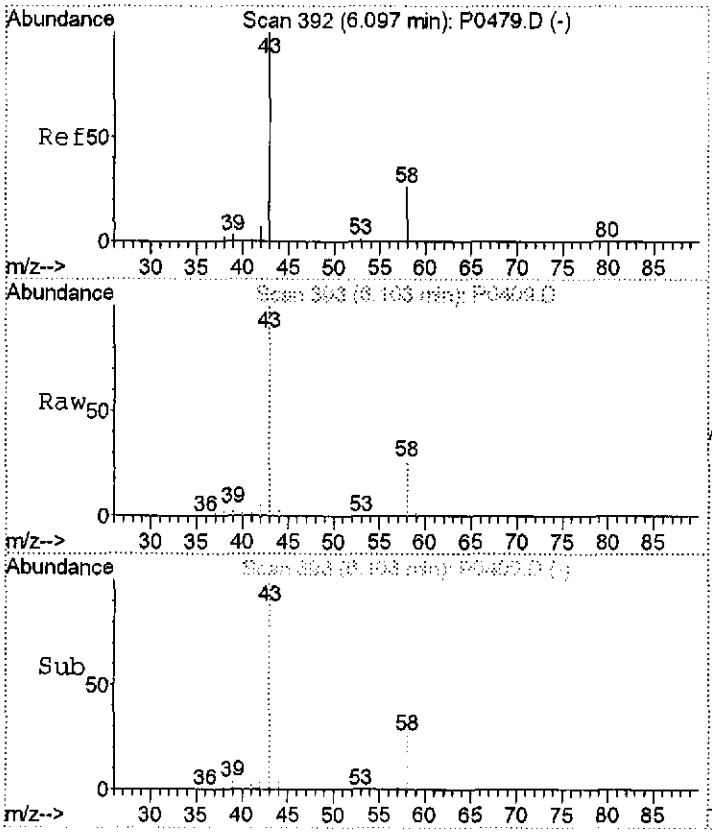


#9
C030 Methylene chloride
Concen: 7.61 ng
RT: 6.68 min Scan# 487
Delta R.T. 0.01 min
Lab File: P0409.D
Acq: 15 Aug 2008 14:30

Tgt Ion: 84 Resp: 24786

Ion	Ratio	Lower	Upper
84	100		
86	62.8	43.8	83.8
49	260.3	132.8	172.8#

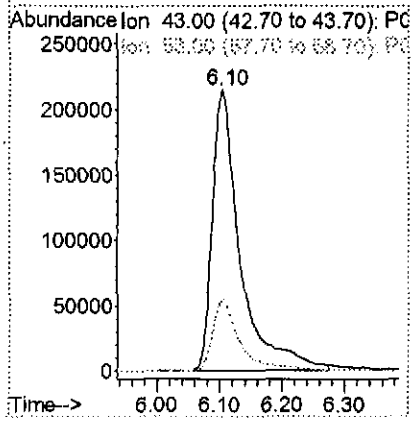


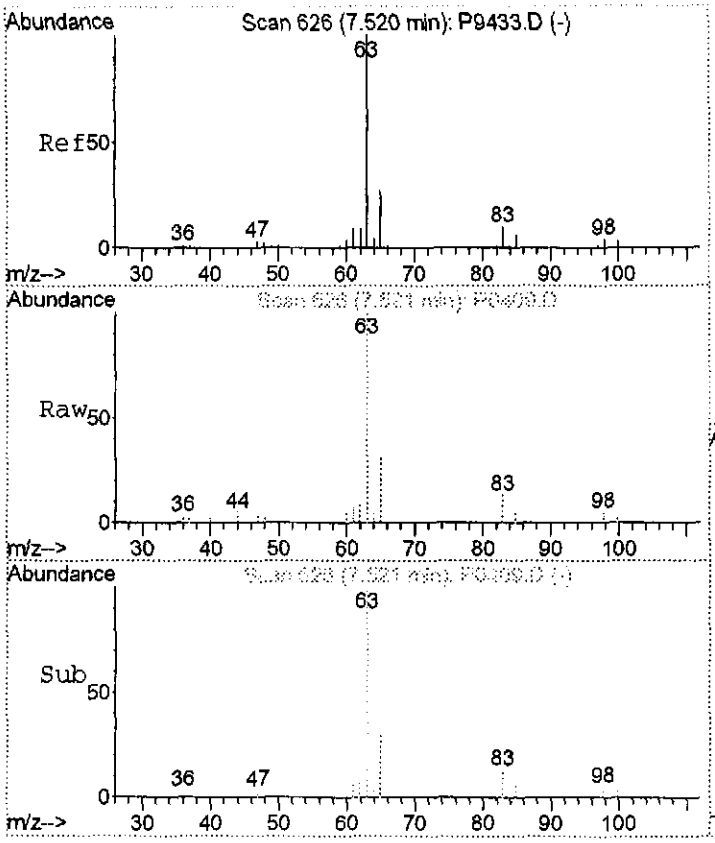


#13
C035 Acetone
Concen: 733.20 ng
RT: 6.10 min Scan# 393
Delta R.T. 0.01 min
Lab File: P0409.D
Acq: 15 Aug 2008 14:30

Tgt Ion: 43 Resp: 676526

Ion	Ratio	Lower	Upper
43	100		
58	26.0	24.2	36.2

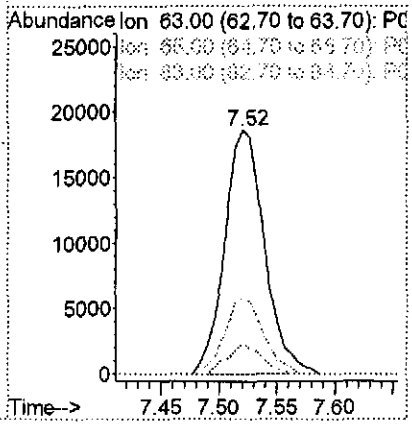


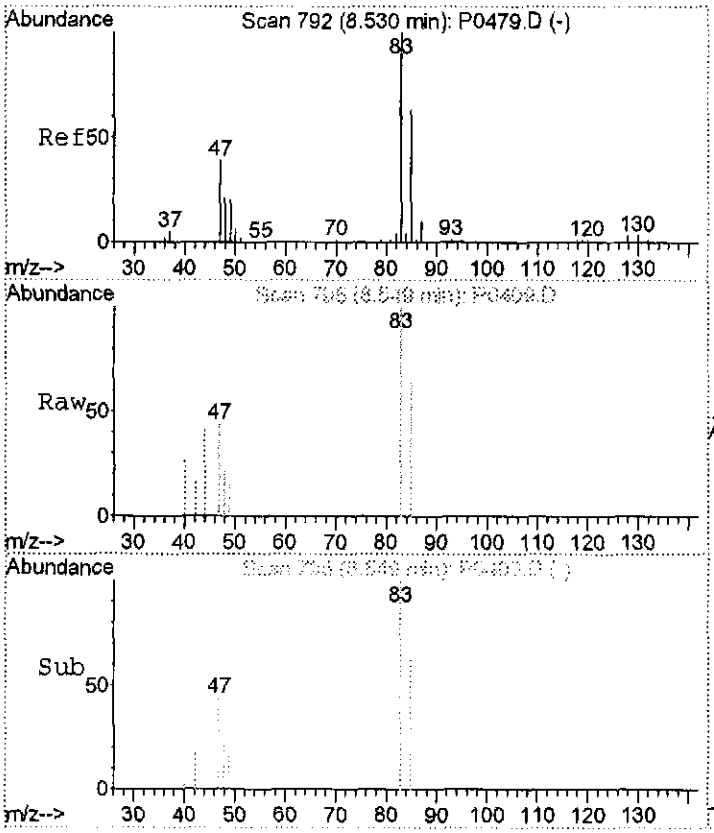


#20
C050 1,1-Dichloroethane
Concen: 14.80 ng
RT: 7.52 min Scan# 626
Delta R.T. 0.01 min
Lab File: P0409.D
Acq: 15 Aug 2008 14:30

Tgt Ion: 63 Resp: 44591

Ion	Ratio	Lower	Upper
63	100		
65	31.0	11.1	51.1
83	12.6	0.0	31.6

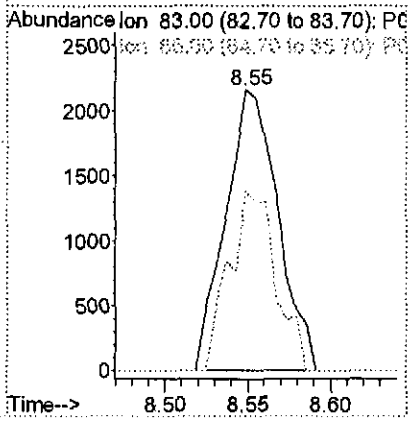


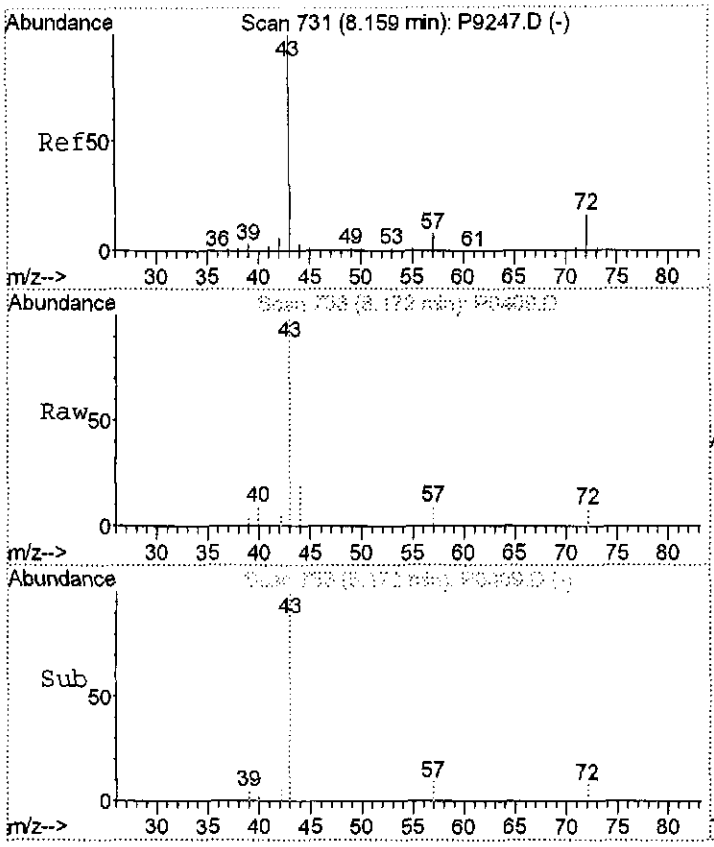


#26
C060 Chloroform
Concen: 2.01 ng
RT: 8.55 min Scan# 795
Delta R.T. 0.01 min
Lab File: P0409.D
Acq: 15 Aug 2008 14:30

Tgt Ion: 83 Resp: 4768

Ion	Ratio	Lower	Upper
83	100		
85	63.8	45.9	85.9

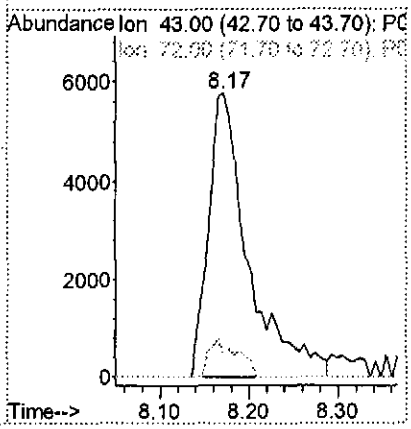




#34
C110 2-Butanone
Concen: 12.91 ng
RT: 8.17 min Scan# 733
Delta R.T. 0.02 min
Lab File: P0409.D
Acq: 15 Aug 2008 14:30

Tgt Ion: 43 Resp: 18060

Ion	Ratio	Lower	Upper
43	100		
72	8.5	19.7	29.5#



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962108

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0411.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962108

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0411.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

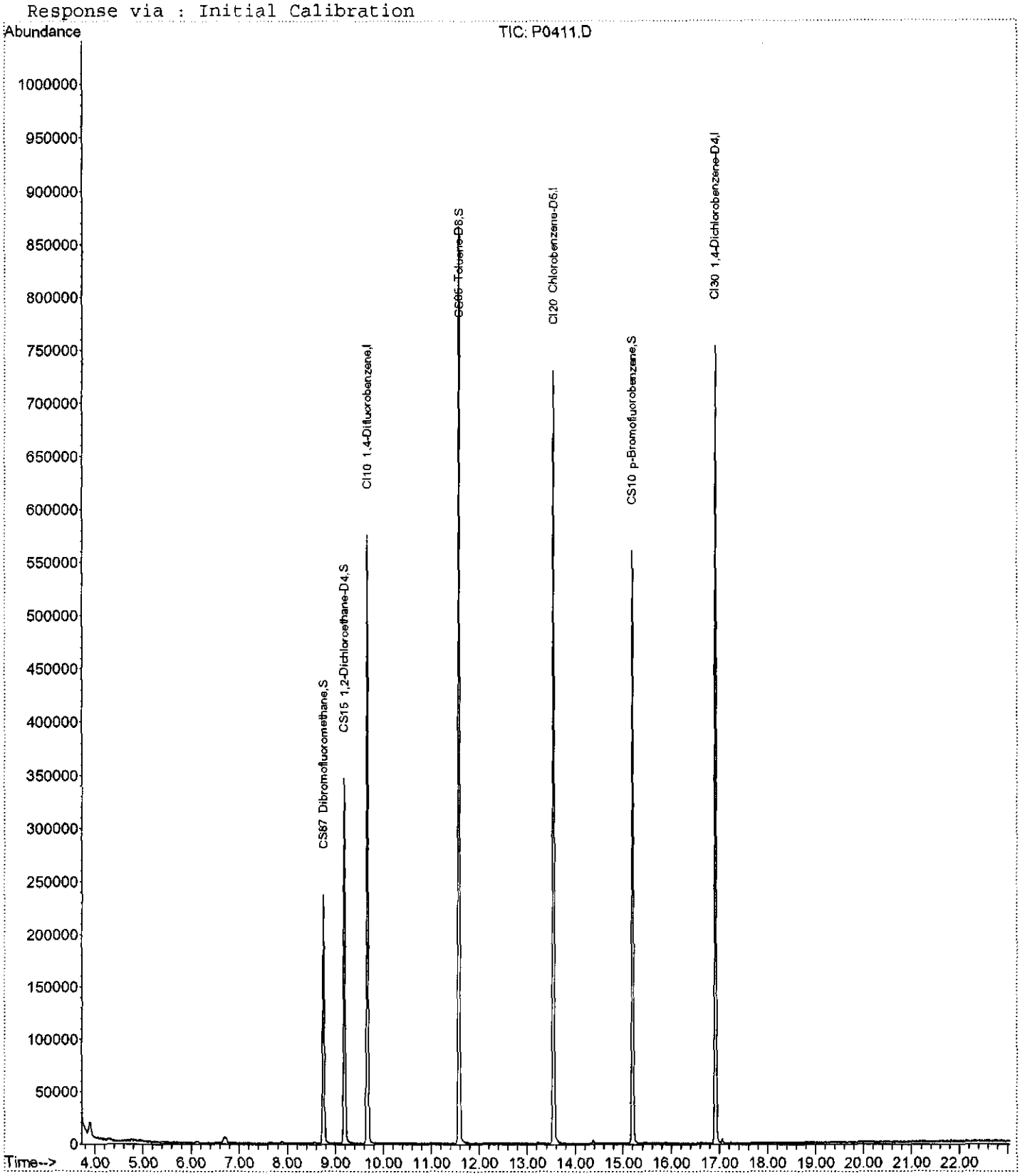
Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\TEMP\P0411.D
Acq On : 15 Aug 2008 15:26
Sample : A8962108
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 16:43 2008

Vial: 12
Operator: LH
Inst : HP5973 P
Multiplr: 1.00

Quant Results File: A8I0000550.RES

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Sat Sep 06 09:07:07 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\P0411.D Vial: 12
Acq On : 15 Aug 2008 15:26 Operator: LH
Sample : A8962108 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 15 16:43:58 2008 Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 16:40:32 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\P\081508\P0400.D (15 Aug 2008 10:01)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	9.66	114	442691	125.00	ng	0.01 76.80%
43) CI20	Chlorobenzene-D5	13.54	117	407620	125.00	ng	0.00 75.61%
62) CI30	1,4-Dichlorobenzene-	16.91	152	212164	125.00	ng	0.00 73.80%
System Monitoring Compounds							
30) CS87	Dibromofluoromethane	8.74	111	163986	137.30	ng	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery	=	109.84%	
31) CS15	1,2-Dichloroethane-D	9.18	65	277307	146.29	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery	=	117.03%	
44) CS05	Toluene-D8	11.57	98	578786	130.03	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery	=	104.02%	
61) CS10	p-Bromofluorobenzene	15.19	174	156655	117.78	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery	=	94.22%	

Target Compounds					Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.
3) C010	Chloromethane	4.17	50	287	N.D.
4) C020	Vinyl chloride	0.00	62	0	N.D.
5) C015	Bromomethane	0.00	94	0	N.D.
6) C025	Chloroethane	0.00	64	0	N.D.
7) C275	Trichlorofluorometha	0.00	101	0	N.D.
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.
9) C030	Methylene chloride	6.68	84	2602	Below Cal # 29
10) C040	Carbon disulfide	0.00	76	0	N.D.
11) C036	Acrolein	5.99	56	138	N.D.
12) C038	Acrylonitrile	0.00	53	0	N.D.
13) C035	Acetone	6.12	43	3501	N.D.
14) C300	Acetonitrile	0.00	41	0	N.D.
15) C276	Iodomethane	0.00	142	0	N.D.
16) C291	1,1,2 Trichloro-1,2,	0.00	101	0	N.D.
17) C962	T-butyl Methyl Ether	0.00	73	0	N.D.
18) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.
19) C255	Methyl Acetate	0.00	43	0	N.D.
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.
21) C125	Vinyl Acetate	0.00	43	0	N.D.
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.
24) C272	Tetrahydrofuran	8.57	42	1452	N.D.
25) C222	Bromochloromethane	0.00	128	0	N.D.
26) C060	Chloroform	0.00	83	0	N.D.
27) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.
28) C120	Carbon tetrachloride	0.00	117	0	N.D.
29) C116	1,1-Dichloropropene	0.00	75	0	N.D.
32) C165	Benzene	0.00	78	0	N.D.

(#) = qualifier out of range (m) = manual integration

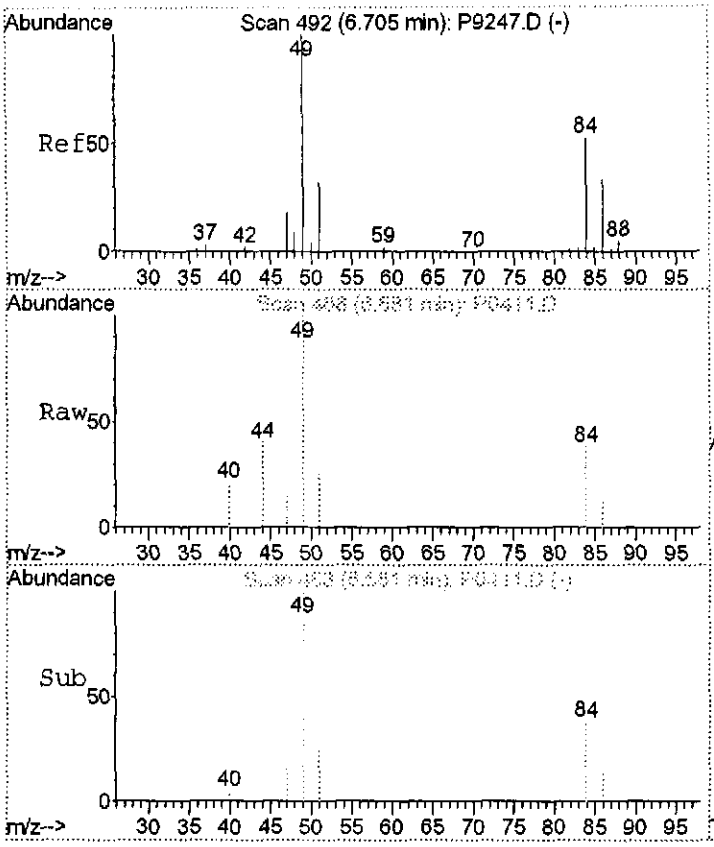
Quantitation Report

Data File : H:\GCMS_VOA\TEMP\P0411.D Vial: 12
Acq On : 15 Aug 2008 15:26 Operator: LH
Sample : A8962108 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 15 16:43:58 2008 Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 16:40:32 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
34)	C110	2-Butanone	8.18	43	135	N.D.	
35)	C256	Cyclohexane	0.00	56	0	N.D.	
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
38)	C278	Dibromomethane	0.00	93	0	N.D.	
39)	C130	Bromodichloromethane	0.00	83	0	N.D.	
40)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
41)	C012	Methylcycolhexane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	0.00	92	0	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	0.00	43	0	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	0.00	43	0	N.D.	
55)	C235	Chlorobenzene	0.00	112	0	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	13.53	91	549	N.D.	
58)	C246	m,p-Xylene	0.00	106	0	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
63)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	0.00	105	0	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	89	0	N.D.	
69)	C302	n-Propylbenzene	0.00	91	0	N.D.	
70)	C303	2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	0.00	105	0	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	0.00	105	0	N.D.	
75)	C308	sec-Butylbenzene	0.00	105	0	N.D.	
76)	C260	1,3-Dichlorobenzene	0.00	146	0	N.D.	
77)	C309	4-Isopropyltoluene	0.00	119	0	N.D.	
78)	C267	1,4-Dichlorobenzene	0.00	146	0	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	0.00	91	0	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	0.00	180	0	N.D.	
83)	C316	Hexachlorobutadiene	0.00	225	0	N.D.	
84)	C314	Naphthalene	0.00	128	0	N.D.	
85)	C934	1,2,3-Trichlorobenze	0.00	180	0	N.D.	

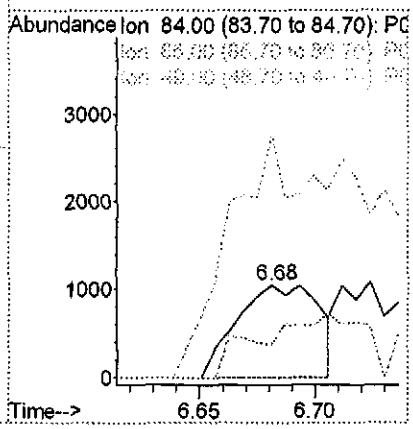
(#) = qualifier out of range (m) = manual integration



#9
C030 Methylene chloride
Concen: Below Cal
RT: 6.68 min Scan# 488
Delta R.T. 0.01 min
Lab File: P0411.D
Acq: 15 Aug 2008 15:26

Tgt Ion: 84 Resp: 2602

Ion	Ratio	Lower	Upper
84	100		
86	35.1	43.8	83.8#
49	262.4	132.8	172.8#



Standards

METHOD 8260 - AQUEOUS (30% RSD/ 20% D)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000550-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Intrument ID: HP5973P Calibration Dates(s): 07/23/2008 07/23/2008

Heated Purge (Y/N): N Calibration Times: 16:14 18:34

GC Column: ZB-624 ID: 0.25(mm)

Lab File ID: RRF1 = P9604.RR RRF10 = P9606.RR
RRF25 = P9607.RR RRF50 = P9608.RR RRF100 = P9609.RR

COMPOUND	RRF1	RRF10	RRF25	RRF50	RRF100	AVG RRF	% RSD
Chloromethane	0.733	0.671	0.625	0.600	0.561	0.6380	10.400
Bromomethane	0.282	0.243	0.301	0.230	0.281	0.2670	11.200
Vinyl chloride	0.476	0.492	0.474	0.464	0.440	0.4690	4.100
Chloroethane	0.348	0.341	0.329	0.316	0.314	0.3290	4.500
Methylene chloride	0.938	0.514	0.465	0.453	0.441	0.5620	37.700
Acetone	0.290	0.254	0.254	0.241	0.234	0.2540	8.500
Carbon Disulfide	1.172	1.255	1.286	1.210	1.177	1.2200	4.000
1,1-Dichloroethene	0.256	0.368	0.358	0.351	0.337	0.3340	13.500
1,1-Dichloroethane	0.695	0.904	0.879	0.837	0.836	0.8300	9.700
cis-1,2-Dichloroethene	0.322	0.426	0.417	0.404	0.401	0.3940	10.500
trans-1,2-Dichloroethene	0.299	0.403	0.388	0.370	0.371	0.3660	10.800
Chloroform	0.567	0.719	0.693	0.657	0.640	0.6550	8.900
1,2-Dichloroethane	0.605	0.762	0.730	0.697	0.683	0.6950	8.500
2-Butanone	0.354	0.387	0.403	0.393	0.390	0.3850	4.900
1,1,1-Trichloroethane	0.358	0.558	0.561	0.563	0.574	0.5230	17.700
Carbon Tetrachloride	0.228	0.354	0.387	0.403	0.426	0.3590	21.700
Bromodichloromethane	0.284	0.426	0.458	0.475	0.504	0.4290	20.100
1,2-Dichloropropane	0.363	0.506	0.494	0.485	0.479	0.4650	12.400
cis-1,3-Dichloropropene	0.389	0.575	0.594	0.608	0.626	0.5580	17.300
Trichloroethene	0.284	0.391	0.385	0.377	0.374	0.3620	12.200
Dibromochloromethane	0.163	0.259	0.302	0.340	0.374	0.2880	28.400
1,1,2-Trichloroethane	0.266	0.350	0.341	0.337	0.333	0.3250	10.400
Benzene	1.226	1.603	1.543	1.485	1.452	1.4620	9.800
trans-1,3-Dichloropropene	0.370	0.567	0.610	0.634	0.646	0.5650	20.000
Bromoform	0.143	0.275	0.336	0.416	0.488	0.3320	40.000
4-Methyl-2-pentanone	0.764	0.859	0.872	0.825	0.768	0.8180	6.100
2-Hexanone	0.507	0.610	0.617	0.580	0.519	0.5670	9.000
Tetrachloroethene	0.283	0.364	0.352	0.336	0.316	0.3300	9.700
1,1,2,2-Tetrachloroethane	0.897	1.147	1.112	1.124	1.112	1.0780	9.500
Toluene	0.802	1.029	1.008	0.986	0.973	0.9590	9.400
Chlorobenzene	0.846	1.073	1.032	1.024	1.006	0.9960	8.800
Ethylbenzene	1.397	1.888	1.842	1.784	1.722	1.7270	11.300
Styrene	0.831	1.147	1.125	1.108	1.064	1.0550	12.200
Total Xylenes	0.521	0.696	0.675	0.655	0.638	0.6370	10.700
1,1,2-Trichloro-1,2,2-trifl	0.268	0.327	0.301	0.286	0.249	0.2860	10.400
1,2,4-Trichlorobenzene	0.901	0.988	0.981	0.993	0.991	0.9710	4.000
1,2-Dibromo-3-chloropropane	0.126	0.177	0.205	0.233	0.252	0.1990	24.900

METHOD 8260 - AQUEOUS (30% RSD/ 20% D)
INITIAL CALIBRATION DATA

Lab Name: TestAmerica Laborat Contract: _____ Lab Sample ID: A8I0000550-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Intrument ID: HP5973P Calibration Dates(s): 07/23/2008 07/23/2008

Heated Purge (Y/N): N Calibration Times: 16:14 18:34

GC Column: ZB-624 ID: 0.25(mm)

Lab File ID: RRF1 = P9604.RR RRF10 = P9606.RR
RRF25 = P9607.RR RRF50 = P9608.RR RRF100 = P9609.RR

COMPOUND	RRF1	RRF10	RRF25	RRF50	RRF100	AVG RRF	% RSD
1,2-Dibromoethane	0.284	0.411	0.412	0.409	0.411	0.3860	14.700
1,2-Dichlorobenzene	1.210	1.581	1.541	1.520	1.495	1.4700	10.100
1,3-Dichlorobenzene	1.279	1.571	1.520	1.479	1.447	1.4590	7.600
1,4-Dichlorobenzene	1.420	1.621	1.562	1.530	1.498	1.5260	4.900
Cyclohexane	0.748	0.831	0.876	0.825	0.773	0.8100	6.200
Dichlorodifluoromethane	0.418	0.387	0.373	0.368	0.326	0.3740	8.800
Methyl acetate	0.929	0.923	0.956	0.934	0.936	0.9350	1.300
Trichlorofluoromethane	0.664	0.626	0.629	0.610	0.575	0.6210	5.200
Methyl-t-Butyl Ether (MTBE)	1.039	1.108	1.148	1.101	1.140	1.1070	3.900
Isopropylbenzene	2.317	3.218	3.174	3.149	3.064	2.9840	12.600
Methylcyclohexane	0.453	0.491	0.515	0.474	0.437	0.4740	6.500
Toluene-D8	1.321	1.460	1.362	1.372	1.310	1.3650	4.300
p-Bromofluorobenzene	0.421	0.425	0.404	0.405	0.385	0.4080	3.900
1,2-Dichloroethane-D4	0.571	0.582	0.501	0.515	0.508	0.5350	7.100

Comments:

Response Factor Report HP5973 P

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 09:05:25 2008
Response via : Initial Calibration

8260
(A8I...0550)

Calibration Files
1 =P9604.D 2 =P9606.D 3 =P9607.D
4 =P9608.D 5 =P9609.D

8260 FLETCHER
(A8I...0550FLETCHER2)

			Compound	1	2	3	4	5	Avg	%RSD
1)	I	CI10	1,4-Difluoroben	----------ISTD----------						
2)	T	C290	Dichlorodifluor	0.417	0.387	0.373	0.368	0.326	0.374	8.85
3)	T	C010	Chloromethane	0.733	0.671	0.625	0.600	0.560	0.638	10.43
4)	T	C020	Vinyl chloride	0.476	0.492	0.474	0.464	0.440	0.469	4.08
5)	T	C015	Bromomethane	0.282	0.243	0.301	0.230	0.281	0.267	11.19
6)	T	C025	Chloroethane	0.348	0.341	0.329	0.316	0.314	0.329	4.49
7)	T	C275	Trichlorofluoro	0.664	0.626	0.629	0.610	0.575	0.621	5.21
8)	T	C045	1,1-Dichloroeth	0.256	0.368	0.358	0.351	0.337	0.334	13.47
9)	T	C030	Methylene chlor	0.938	0.514	0.465	0.453	0.441	-----	
								L M=	0.435	R^2=1.000
								B=	0.029	
10)	T	C040	Carbon disulfid	1.172	1.255	1.286	1.210	1.177	1.220	4.05
11)	T	C036	Acrolein	0.081	0.064	0.061	0.058	0.066	0.066	13.43
12)	T	C038	Acrylonitrile	0.276	0.310	0.320	0.305	0.308	0.304	5.53
13)	T	C035	Acetone	0.290	0.254	0.253	0.241	0.233	0.254	8.48
14)	T	C300	Acetonitrile	0.083	0.101	0.100	0.096	0.091	0.094	8.02
15)	T	C276	Iodomethane	0.483	0.581	0.586	0.574	0.569	0.558	7.69
16)	T	C291	1,1,2 Trichloro	0.268	0.327	0.301	0.286	0.249	0.286	10.46
17)	T	C962	T-butyl Methyl	1.039	1.108	1.148	1.101	1.140	1.107	3.89
18)	T	C057	trans-1,2-Dichl	0.299	0.403	0.388	0.370	0.371	0.366	10.84
19)	T	C255	Methyl Acetate	0.928	0.923	0.955	0.934	0.936	0.935	1.31
20)	T	C050	1,1-Dichloroeth	0.695	0.904	0.879	0.837	0.836	0.830	9.75
21)	T	C125	Vinyl Acetate	0.895	1.145	1.227	1.184	1.128	1.116	11.58
22)	T	C051	2,2-Dichloropro	0.302	0.474	0.484	0.478	0.480	-----	
								L M=	0.481	R^2=1.000
								B=	-0.002	
23)	T	C056	cis-1,2-Dichlor	0.322	0.426	0.417	0.404	0.401	0.394	10.53
24)	T	C272	Tetrahydrofuran	0.215	0.240	0.246	0.234	0.229	0.233	5.08
25)	T	C222	Bromochlorometh	0.155	0.197	0.192	0.184	0.189	0.183	8.95
26)	T	C060	Chloroform	0.567	0.719	0.693	0.657	0.640	0.655	8.86
27)	T	C115	1,1,1-Trichloro	0.358	0.558	0.561	0.563	0.574	-----	
								L M=	0.576	R^2=1.000
								B=	-0.013	
28)	T	C120	Carbon tetrachl	0.228	0.354	0.387	0.403	0.426	-----	
								L M=	0.430	R^2=0.999
								B=	-0.033	
29)	T	C116	1,1-Dichloropro	0.372	0.522	0.505	0.491	0.483	0.475	12.54
30)	S	CS87	Dibromofluorome	0.329	0.365	0.325	0.335	0.333	0.337	4.72
31)	S	CS15	1,2-Dichloroeth	0.570	0.582	0.501	0.515	0.508	0.535	7.09
32)	T	C165	Benzene	1.226	1.603	1.543	1.485	1.452	1.462	9.85
33)	T	C065	1,2-Dichloroeth	0.605	0.762	0.729	0.697	0.683	0.695	8.53
34)	T	C110	2-Butanone	0.353	0.387	0.403	0.393	0.390	0.385	4.88
35)	T	C256	Cyclohexane	0.748	0.831	0.876	0.825	0.773	0.810	6.22
36)	T	C150	Trichloroethene	0.284	0.391	0.385	0.377	0.374	0.362	12.20
37)	T	C140	1,2-Dichloropro	0.363	0.506	0.494	0.485	0.479	0.466	12.45
38)	T	C278	Dibromomethane	0.206	0.276	0.274	0.265	0.267	0.258	11.30
39)	T	C130	Bromodichlorome	0.284	0.426	0.458	0.475	0.504	-----	
								L M=	0.508	R^2=0.999
								B=	-0.038	
40)	T	C161	2-Chloroethylvi	0.308	0.373	0.379	0.364	0.350	0.355	8.02
41)	T	C012	Methylcycolhexa	0.453	0.491	0.515	0.474	0.437	0.474	6.49

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

Response Factor Report HP5973 P

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 09:05:25 2008
Response via : Initial Calibration

Calibration Files
1 =P9604.D 2 =P9606.D 3 =P9607.D
4 =P9608.D 5 =P9609.D

			Compound	1	2	3	4	5	Avg	%RSD
42)	T	C145	cis-1,3-Dichlor	0.389	0.575	0.594	0.608	0.626	-----	
								L	M= 0.629	R^2=1.000
									B= -0.027	
43)	I	CI20	Chlorobenzene-D	----------			ISTD	----------		
44)	S	CS05	Toluene-D8	1.321	1.460	1.362	1.372	1.310	1.365	4.32
45)	T	C230	Toluene	0.802	1.029	1.008	0.986	0.973	0.959	9.44
46)	T	C170	trans-1,3-Dichl	0.370	0.567	0.610	0.634	0.646	-----	
								L	M= 0.652	R^2=1.000
									B= -0.031	
47)	T	C284	Ethyl Methacryl	0.393	0.565	0.603	0.613	0.620	-----	
								L	M= 0.624	R^2=1.000
									B= -0.018	
48)	T	C160	1,1,2-Trichloro	0.266	0.350	0.341	0.337	0.333	0.325	10.42
49)	T	C210	4-Methyl-2-pent	0.764	0.859	0.872	0.825	0.768	0.818	6.13
50)	T	C220	Tetrachloroethe	0.283	0.364	0.352	0.336	0.315	0.330	9.74
51)	T	C221	1,3-Dichloropro	0.553	0.715	0.691	0.669	0.628	0.651	9.76
52)	T	C155	Dibromochlorome	0.163	0.259	0.302	0.340	0.374	-----	
								L	M= 0.381	R^2=0.997
									B= -0.054	
53)	T	C163	1,2-Dibromoetha	0.284	0.411	0.412	0.409	0.411	0.386	14.73
54)	T	C215	2-Hexanone	0.507	0.610	0.617	0.580	0.519	0.567	8.99
55)	T	C235	Chlorobenzene	0.846	1.072	1.032	1.024	1.006	0.996	8.78
56)	T	C281	1,1,1,2-Tetrach	0.187	0.292	0.319	0.329	0.341	-----	
								L	M= 0.344	R^2=1.000
									B= -0.020	
57)	T	C240	Ethylbenzene	1.397	1.888	1.842	1.784	1.722	1.727	11.27
58)	T	C246	m,p-Xylene	0.509	0.680	0.661	0.641	0.619	0.622	10.80
59)	T	C247	o-Xylene	0.521	0.695	0.675	0.655	0.637	0.637	10.74
60)	T	C245	Styrene	0.831	1.147	1.125	1.108	1.064	1.055	12.22
61)	S	CS10	p-Bromofluorobe	0.421	0.425	0.404	0.405	0.385	0.408	3.93
62)	I	CI30	1,4-Dichloroben	----------			ISTD	----------		
63)	T	C180	Bromoform	0.143	0.275	0.336	0.416	0.488	-----	
								L	M= 0.502	R^2=0.991
									B= -0.111	
64)	T	C966	Isopropylbenzen	2.317	3.218	3.174	3.149	3.064	2.985	12.64
65)	T	C301	Bromobenzene	0.630	0.867	0.817	0.808	0.789	0.782	11.51
66)	T	C225	1,1,2,2-Tetrach	0.897	1.147	1.112	1.124	1.111	1.078	9.47
67)	T	C282	1,2,3-Trichloro	0.274	0.328	0.315	0.302	0.289	0.301	7.05
68)	T	C283	t-1,4-Dichloro-	0.102	0.165	0.199	0.211	0.216	-----	
								L	M= 0.219	R^2=1.000
									B= -0.080	
69)	T	C302	n-Propylbenzene	3.097	4.112	3.961	3.909	3.790	3.774	10.48
70)	T	C303	2-Chlorotoluene	0.596	0.788	0.766	0.767	0.752	0.734	10.68
71)	T	C289	4-Chlorotoluene	0.611	0.816	0.789	0.783	0.767	0.753	10.82
72)	T	C304	1,3,5-Trimethyl	1.920	2.721	2.650	2.638	2.567	2.499	13.13
73)	T	C306	tert-Butylbenze	0.361	0.486	0.488	0.488	0.488	0.462	12.22
74)	T	C307	1,2,4-Trimethyl	2.023	2.754	2.709	2.684	2.606	2.555	11.84
75)	T	C308	sec-Butylbenzen	2.158	2.876	2.886	2.869	2.804	2.719	11.59
76)	T	C260	1,3-Dichloroben	1.279	1.571	1.520	1.479	1.447	1.459	7.61
77)	T	C309	4-Isopropyltolu	1.840	2.485	2.502	2.493	2.447	2.353	12.23

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

Response Factor Report HP5973 P

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 09:05:25 2008
Response via : Initial Calibration

Calibration Files
1 =P9604.D 2 =P9606.D 3 =P9607.D
4 =P9608.D 5 =P9609.D

		Compound		1	2	3	4	5	Avg	%RSD
78)	T	C267	1,4-Dichloroben	1.420	1.621	1.562	1.530	1.498	1.526	4.90
79)	T	C249	1,2-Dichloroben	1.210	1.581	1.541	1.520	1.495	1.469	10.09
80)	T	C310	n-Butylbenzene	1.812	2.452	2.435	2.430	2.356	2.297	11.90
81)	T	C286	1,2-Dibromo-3-C	0.126	0.177	0.205	0.233	0.252	-----	
								L	M= 0.257	R^2=0.997
									B= -0.035	
82)	T	C313	1,2,4-Trichloro	0.901	0.988	0.981	0.993	0.991	0.971	4.05
83)	T	C316	Hexachlorobutad	0.368	0.371	0.362	0.359	0.357	0.364	1.66
84)	T	C314	Naphthalene	2.159	2.706	2.894	2.908	2.901	2.713	11.84
85)	T	C934	1,2,3-Trichloro	0.850	0.892	0.911	0.916	0.899	0.894	2.90

Total Average %RSD 8.85□□

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

Date: 07/24/2008
Time: 14:15:45

ICC Profile

Page: 1
Rept: AN0287R

ICC Profile Code: A00263 METHOD 8260 low 5ML PURGE (30% RSD/ 20% D)
Fraction: MV

No of Points: 5 Default Min. RRF: 0.3000
CCC Conc: 125.00

QC Approver: LH
QC Date: 03/17/2008

Comments:

Seq		Parameter	ng On Column Point 1	Point 2	Point 3	Point 4	Point 5
2	123-91-1	1,4-Dioxane	200.0000	2000.0000	5000.0000	10000.0000	20000.0000
7	77-73-6	Dicyclopentadiene	5.0000	50.0000	125.0000	250.0000	500.0000
8	526-73-8	1,2,3-Trimethylbenzene	5.0000	50.0000	125.0000	250.0000	500.0000
15	994-05-8	tert-Amyl Methyl Ether (TAME)	5.0000	50.0000	125.0000	250.0000	500.0000
18	67-64-1	Acetone	25.0000	250.0000	625.0000	1250.0000	2500.0000
20	71-43-2	Benzene	5.0000	50.0000	125.0000	250.0000	500.0000
25	637-92-3	Ethyl-t-butyl ether (ETBE)	5.0000	50.0000	125.0000	250.0000	500.0000
30	108-86-1	Bromobenzene	5.0000	50.0000	125.0000	250.0000	500.0000
40	74-97-5	Bromochloromethane	5.0000	50.0000	125.0000	250.0000	500.0000
50	75-27-4	Bromodichloromethane	5.0000	50.0000	125.0000	250.0000	500.0000
51	108-70-3	1,3,5-Trichlorobenzene	5.0000	50.0000	125.0000	250.0000	500.0000
60	75-25-2	Bromoform	5.0000	50.0000	125.0000	250.0000	500.0000
70	74-83-9	Bromomethane	5.0000	50.0000	125.0000	250.0000	500.0000
88	78-93-3	2-Butanone	25.0000	250.0000	625.0000	1250.0000	2500.0000
90	104-51-8	n-Butylbenzene	5.0000	50.0000	125.0000	250.0000	500.0000
91	107-12-0	Propionitrile	50.0000	500.0000	1250.0000	2500.0000	5000.0000
92	126-98-7	Methacrylonitrile	5.0000	50.0000	125.0000	250.0000	500.0000
93	108-20-3	Isopropyl Ether (DIPE)	5.0000	50.0000	125.0000	250.0000	500.0000
94	78-83-1	Isobutanol	200.0000	2000.0000	5000.0000	10000.0000	20000.0000
95	71-36-3	n-Butyl alcohol	200.0000	2000.0000	5000.0000	10000.0000	20000.0000
96	108-41-8	m-Chlorotoluene	5.0000	50.0000	125.0000	250.0000	500.0000
97	108-94-1	Cyclohexanone	50.0000	500.0000	1250.0000	2500.0000	5000.0000
98	76-01-7	Pentachloroethane	5.0000	50.0000	125.0000	250.0000	500.0000
99	75-65-0	tert-Butyl Alcohol (TBA)	100.0000	1000.0000	2500.0000	5000.0000	10000.0000
100	135-98-8	sec-Butylbenzene	5.0000	50.0000	125.0000	250.0000	500.0000
101	79-20-9	Methyl acetate	5.0000	50.0000	125.0000	250.0000	500.0000
102	110-82-7	Cyclohexane	5.0000	50.0000	125.0000	250.0000	500.0000
103	108-87-2	Methylcyclohexane	5.0000	50.0000	125.0000	250.0000	500.0000
104	98-56-6	p-Monochlorobenzotrifluoride	5.0000	50.0000	125.0000	250.0000	500.0000
105	98-15-7	m-Monochlorobenzotrifluoride	5.0000	50.0000	125.0000	250.0000	500.0000
106	88-16-4	o-Monochlorobenzotrifluoride	5.0000	50.0000	125.0000	250.0000	500.0000
110	98-06-6	tert-Butylbenzene	5.0000	50.0000	125.0000	250.0000	500.0000
111	106-89-8	Epichlorohydrin	25.0000	250.0000	625.0000	1250.0000	2500.0000
112	79-46-9	2-Nitropropane	25.0000	250.0000	625.0000	1250.0000	2500.0000
114	TOTALVOA	Total Volatile Organic Compoun	5.0000	50.0000	125.0000	250.0000	500.0000
120	554-14-3	2-Methyl Thiophene	5.0000	50.0000	125.0000	250.0000	500.0000
121	616-44-4	3-Methyl Thiophene	5.0000	50.0000	125.0000	250.0000	500.0000
128	75-15-0	Carbon Disulfide	5.0000	50.0000	125.0000	250.0000	500.0000
130	56-23-5	Carbon Tetrachloride	5.0000	50.0000	125.0000	250.0000	500.0000
140	108-90-7	Chlorobenzene	5.0000	50.0000	125.0000	250.0000	500.0000
145	104-76-7	2-Ethyl-1-hexanol	50.0000	500.0000	1250.0000	2500.0000	5000.0000
150	75-00-3	Chloroethane	5.0000	50.0000	125.0000	250.0000	500.0000
160	67-66-3	Chloroform	5.0000	50.0000	125.0000	250.0000	500.0000
170	74-87-3	Chloromethane	5.0000	50.0000	125.0000	250.0000	500.0000
180	95-49-8	o-Chlorotoluene	5.0000	50.0000	125.0000	250.0000	500.0000
190	106-43-4	p-Chlorotoluene	5.0000	50.0000	125.0000	250.0000	500.0000
200	124-48-1	Dibromochloromethane	5.0000	50.0000	125.0000	250.0000	500.0000

Date: 07/24/2008
Time: 14:15:45

ICC Profile

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Rept: AN0287R

ICC Profile Code: A00263 METHOD 8260 low 5ML PURGE (30% RSD/ 20% D) (continued)

Seq		Parameter	ng On Column Point 1	Point 2	Point 3	Point 4	Point 5
201	110-54-3	Hexane	5.0000	50.0000	125.0000	250.0000	500.0000
202	142-82-5	Heptane	5.0000	50.0000	125.0000	250.0000	500.0000
203	534-15-6	1,1-Dimethoxyethane	25.0000	250.0000	625.0000	1250.0000	2500.0000
204	75-56-9	Propylene Oxide	25.0000	250.0000	625.0000	1250.0000	2500.0000
210	96-12-8	1,2-Dibromo-3-chloropropane	5.0000	50.0000	125.0000	250.0000	500.0000
220	106-93-4	1,2-Dibromoethane	5.0000	50.0000	125.0000	250.0000	500.0000
230	74-95-3	Dibromomethane	5.0000	50.0000	125.0000	250.0000	500.0000
240	95-50-1	1,2-Dichlorobenzene	5.0000	50.0000	125.0000	250.0000	500.0000
250	541-73-1	1,3-Dichlorobenzene	5.0000	50.0000	125.0000	250.0000	500.0000
260	106-46-7	1,4-Dichlorobenzene	5.0000	50.0000	125.0000	250.0000	500.0000
270	75-71-8	Dichlorodifluoromethane	5.0000	50.0000	125.0000	250.0000	500.0000
280	75-34-3	1,1-Dichloroethane	5.0000	50.0000	125.0000	250.0000	500.0000
290	107-06-2	1,2-Dichloroethane	5.0000	50.0000	125.0000	250.0000	500.0000
300	75-35-4	1,1-Dichloroethene	5.0000	50.0000	125.0000	250.0000	500.0000
307	109-99-9	Tetrahydrofuran	25.0000	250.0000	625.0000	1250.0000	2500.0000
310	156-59-2	cis-1,2-Dichloroethene	5.0000	50.0000	125.0000	250.0000	500.0000
320	156-60-5	trans-1,2-Dichloroethene	5.0000	50.0000	125.0000	250.0000	500.0000
330	78-87-5	1,2-Dichloropropane	5.0000	50.0000	125.0000	250.0000	500.0000
340	142-28-9	1,3-Dichloropropane	5.0000	50.0000	125.0000	250.0000	500.0000
350	594-20-7	2,2-Dichloropropane	5.0000	50.0000	125.0000	250.0000	500.0000
360	563-58-6	1,1-Dichloropropene	5.0000	50.0000	125.0000	250.0000	500.0000
370	10061-01-5	cis-1,3-Dichloropropene	5.0000	50.0000	125.0000	250.0000	500.0000
380	10061-02-6	trans-1,3-Dichloropropene	5.0000	50.0000	125.0000	250.0000	500.0000
390	100-41-4	Ethylbenzene	5.0000	50.0000	125.0000	250.0000	500.0000
410	87-68-3	Hexachlorobutadiene	5.0000	50.0000	125.0000	250.0000	500.0000
418	591-78-6	2-Hexanone	25.0000	250.0000	625.0000	1250.0000	2500.0000
420	98-82-8	Isopropylbenzene	5.0000	50.0000	125.0000	250.0000	500.0000
430	99-87-6	p-Cymene	5.0000	50.0000	125.0000	250.0000	500.0000
440	75-09-2	Methylene chloride	5.0000	50.0000	125.0000	250.0000	500.0000
458	108-10-1	4-Methyl-2-pentanone	25.0000	250.0000	625.0000	1250.0000	2500.0000
460	91-20-3	Naphthalene	5.0000	50.0000	125.0000	250.0000	500.0000
470	103-65-1	n-Propylbenzene	5.0000	50.0000	125.0000	250.0000	500.0000
480	100-42-5	Styrene	5.0000	50.0000	125.0000	250.0000	500.0000
490	630-20-6	1,1,1,2-Tetrachloroethane	5.0000	50.0000	125.0000	250.0000	500.0000
500	79-34-5	1,1,2,2-Tetrachloroethane	5.0000	50.0000	125.0000	250.0000	500.0000
510	127-18-4	Tetrachloroethene	5.0000	50.0000	125.0000	250.0000	500.0000
520	108-88-3	Toluene	5.0000	50.0000	125.0000	250.0000	500.0000
530	87-61-6	1,2,3-Trichlorobenzene	5.0000	50.0000	125.0000	250.0000	500.0000
540	120-82-1	1,2,4-Trichlorobenzene	5.0000	50.0000	125.0000	250.0000	500.0000
550	71-55-6	1,1,1-Trichloroethane	5.0000	50.0000	125.0000	250.0000	500.0000
560	79-00-5	1,1,2-Trichloroethane	5.0000	50.0000	125.0000	250.0000	500.0000
570	79-01-6	Trichloroethene	5.0000	50.0000	125.0000	250.0000	500.0000
580	75-69-4	Trichlorofluoromethane	5.0000	50.0000	125.0000	250.0000	500.0000
590	96-18-4	1,2,3-Trichloropropane	5.0000	50.0000	125.0000	250.0000	500.0000
600	95-63-6	1,2,4-Trimethylbenzene	5.0000	50.0000	125.0000	250.0000	500.0000
610	108-67-8	1,3,5-Trimethylbenzene	5.0000	50.0000	125.0000	250.0000	500.0000
620	75-01-4	Vinyl chloride	5.0000	50.0000	125.0000	250.0000	500.0000
630	1330-20-7	Total Xylenes	15.0000	150.0000	375.0000	750.0000	1500.0000
646	SU107-06-2	1,2-Dichloroethane-D4	5.0000	50.0000	125.0000	250.0000	500.0000
648	2037-26-5	Toluene-D8	5.0000	50.0000	125.0000	250.0000	500.0000
650	460-00-4	p-Bromofluorobenzene	5.0000	50.0000	125.0000	250.0000	500.0000
660	SU95-50-1	1,2-Dichlorobenzene-d4	5.0000	50.0000	125.0000	250.0000	500.0000

Date: 07/24/2008
Time: 14:15:45

ICC Profile

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Rept: AN0287R

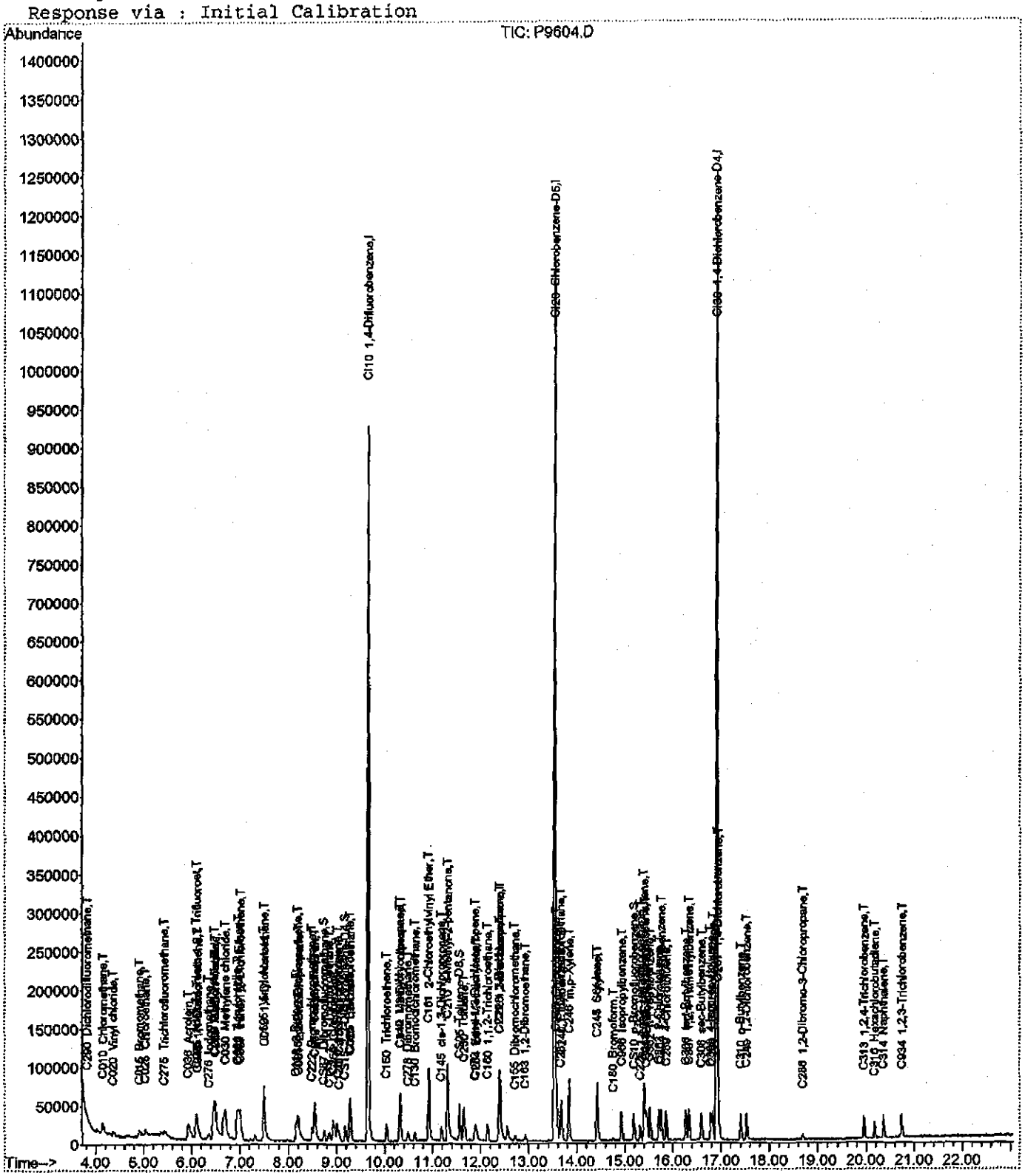
ICC Profile Code: A00263 METHOD 8260 low 5ML PURGE (30% RSD/ 20% D) (continued)

Seq		Parameter	ng On Column Point 1	Point 2	Point 3	Point 4	Point 5
670	SU106-46-7	1,4-Dichlorobenzene-D4	0.0000	0.0000	0.0000	0.0000	0.0000
680	3114-55-4	Chlorobenzene-D5	0.0000	0.0000	0.0000	0.0000	0.0000
690	540-36-3	1,4-Difluorobenzene	0.0000	0.0000	0.0000	0.0000	0.0000
700	462-06-6	Fluorobenzene	0.0000	0.0000	0.0000	0.0000	0.0000
800	1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0000	50.0000	125.0000	250.0000	500.0000
805	75-43-4	Dichlorofluoromethane	5.0000	50.0000	125.0000	250.0000	500.0000
810	594-18-3	Dibromodichloromethane	5.0000	50.0000	125.0000	250.0000	500.0000
815	107-02-8	Acrolein	100.0000	1250.0000	2500.0000	5000.0000	10000.0000
820	76-13-1	1,1,2-Trichloro-1,2,2-trifluor	5.0000	50.0000	125.0000	250.0000	500.0000
825	107-13-1	Acrylonitrile	25.0000	250.0000	625.0000	1250.0000	2500.0000
830	80-62-6	Methyl methacrylate	5.0000	50.0000	125.0000	250.0000	500.0000
840	540-59-0	1,2-Dichloroethene (Total)	10.0000	100.0000	250.0000	500.0000	1000.0000
850	M/P XYLENE	m/p-Xylenes	10.0000	100.0000	250.0000	500.0000	1000.0000
860	95-47-6	o-Xylene	5.0000	50.0000	125.0000	250.0000	500.0000
870	108-05-4	Vinyl acetate	25.0000	250.0000	625.0000	1250.0000	2500.0000
880	110-75-8	2-Chloroethylvinyl ether	25.0000	250.0000	625.0000	1250.0000	2500.0000
890	110-57-6	trans-1,4-Dichloro-2-butene	25.0000	250.0000	625.0000	1250.0000	2500.0000
900	74-88-4	Iodomethane	5.0000	50.0000	125.0000	250.0000	500.0000
910	97-63-2	Ethyl methacrylate	5.0000	50.0000	125.0000	250.0000	500.0000
920	75-45-6	Chlorodifluoromethane	5.0000	50.0000	125.0000	250.0000	500.0000
930	544-10-5	1-Chlorohexane	5.0000	50.0000	125.0000	250.0000	500.0000
935	106-99-0	1,3-Butadiene	5.0000	50.0000	125.0000	250.0000	500.0000
940	75-05-8	Acetonitrile	200.0000	2000.0000	5000.0000	10000.0000	20000.0000
950	60-29-7	Ethyl ether	5.0000	50.0000	125.0000	250.0000	500.0000
951	108-38-3	m-Xylene	10.0000	100.0000	250.0000	500.0000	1000.0000
952	106-42-3	p-Xylene	10.0000	100.0000	250.0000	500.0000	1000.0000
962	542-75-6	1,3-Dichloropropene (Total)	10.0000	100.0000	250.0000	500.0000	1000.0000
972	64-17-5	Ethanol	100.0000	1000.0000	2500.0000	5000.0000	10000.0000
982	141-78-6	Ethyl acetate	5.0000	50.0000	125.0000	250.0000	500.0000
992	107-05-1	3-Chloropropene (Allyl Chlor.)	5.0000	50.0000	125.0000	250.0000	500.0000
993	126-99-8	2-Chloro-1,3-butadiene	5.0000	50.0000	125.0000	250.0000	500.0000
994	54-28-81TIC	Bis(chloromethyl) ether (VOA T	5.0000	50.0000	125.0000	250.0000	500.0000
***	67-63-0	2-Propanol	100.0000	1000.0000	2500.0000	5000.0000	10000.0000

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\P\072308\P9604.D Vial: 14
Acq On : 23 Jul 2008 16:14 Operator: LH
Sample : VSTD001 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 8:58 2008 Quant Results File: A8I0000550.RES

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 09:05:25 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\P\072308\P9604.D
Acq On : 23 Jul 2008 16:14
Sample : VSTD001
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 24 08:57:58 2008

Vial: 14
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\P\072308\P9607.D (23 Jul 2008 17:38)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	9.65	114	767203	125.00	ng	0.00 102.87%
43) CI20	Chlorobenzene-D5	13.54	117	679281	125.00	ng	0.00 99.07%
62) CI30	1,4-Dichlorobenzene-	16.91	152	342116	125.00	ng	0.00 96.09%
System Monitoring Compounds							
30) CS87	Dibromofluoromethane	8.74	111	10094	4.88	ng	-0.01
Spiked Amount	125.000	Range	70 - 130	Recovery	=	3.90%#	
31) CS15	1,2-Dichloroethane-D	9.18	65	17507	5.33	ng	-0.01
Spiked Amount	125.000	Range	66 - 137	Recovery	=	4.26%#	
44) CS05	Toluene-D8	11.57	98	35905	4.84	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery	=	3.87%#	
61) CS10	p-Bromofluorobenzene	15.20	174	11429	5.16	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery	=	4.13%#	
Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	3.83	85	12811m	5.58	ng	94
3) C010	Chloromethane	4.16	50	22487	5.74	ng	96
4) C020	Vinyl chloride	4.37	62	14621	5.07	ng	93
5) C015	Bromomethane	4.92	94	8656	5.27	ng	83
6) C025	Chloroethane	5.04	64	10670	5.27	ng	98
7) C275	Trichlorofluorometha	5.43	101	20383m	5.35	ng	88
8) C045	1,1-Dichloroethene	6.13	96	7857	3.84	ng	84
9) C030	Methylene chloride	6.71	84	28794	8.35	ng	# 82
10) C040	Carbon disulfide	6.49	76	35972	4.82	ng	100
11) C036	Acrolein	5.93	56	49494	122.80	ng	100
12) C038	Acrylonitrile	6.94	53	42295	22.68	ng	99
13) C035	Acetone	6.10	43	44422	28.59	ng	93
14) C300	Acetonitrile	6.47	41	101944	177.54	ng	93
15) C276	Iodomethane	6.36	142	14811	4.32	ng	98
16) C291	1,1,2 Trichloro-1,2,	6.12	101	8235	4.69	ng	# 81
17) C962	T-butyl Methyl Ether	6.98	73	31879	4.69	ng	# 89
18) C057	trans-1,2-Dichloroet	7.02	96	9183	4.09	ng	# 84
19) C255	Methyl Acetate	6.50	43	28493	4.97	ng	# 81
20) C050	1,1-Dichloroethane	7.51	63	21328	4.19	ng	95
21) C125	Vinyl Acetate	7.49	43	137343	20.07	ng	# 89
22) C051	2,2-Dichloropropane	8.22	77	9253	3.40	ng	82
23) C056	cis-1,2-Dichloroethe	8.19	96	9874	4.09	ng	94
24) C272	Tetrahydrofuran	8.55	42	32917	23.07	ng	# 73
25) C222	Bromochloromethane	8.50	128	4764	4.23	ng	# 78
26) C060	Chloroform	8.54	83	17392	4.33	ng	96
27) C115	1,1,1-Trichloroethan	8.83	97	10985	3.42	ng	91
28) C120	Carbon tetrachloride	9.06	117	6988	3.17	ng	# 74
29) C116	1,1-Dichloropropene	9.01	75	11401	3.91	ng	91
32) C165	Benzene	9.28	78	37613	4.19	ng	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\P\072308\P9604.D Vial: 14
Acq On : 23 Jul 2008 16:14 Operator: LH
Sample : VSTD001 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 08:57:58 2008 Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C065	1,2-Dichloroethane	9.27	62	18552	4.35	ng		89
34)	C110	2-Butanone	8.16	43	54239	22.96	ng	#	80
35)	C256	Cyclohexane	8.93	56	22962	4.62	ng	#	72
36)	C150	Trichloroethene	10.04	95	8713	3.92	ng		84
37)	C140	1,2-Dichloropropane	10.32	63	11152	3.90	ng		91
38)	C278	Dibromomethane	10.48	93	6326	4.00	ng		88
39)	C130	Bromodichloromethane	10.62	83	8707	3.31	ng		89
40)	C161	2-Chloroethylvinyl E	10.92	63	47239	21.68	ng		99
41)	C012	Methylcycolhexane	10.31	83	13893	4.78	ng	#	83
42)	C145	cis-1,3-Dichloroprop	11.18	75	11925	3.48	ng		94
45)	C230	Toluene	11.66	92	21789	4.18	ng		92
46)	C170	trans-1,3-Dichloropr	11.88	75	10053	3.27	ng		87
47)	C284	Ethyl Methacrylate	11.91	69	10679	3.52	ng	#	20
48)	C160	1,1,2-Trichloroethan	12.14	83	7218	4.08	ng		96
49)	C210	4-Methyl-2-pentanone	11.32	43	103791	23.36	ng		90
50)	C220	Tetrachloroethene	12.41	166	7689	4.28	ng		97
51)	C221	1,3-Dichloropropane	12.39	76	15031	4.25	ng		89
52)	C155	Dibromochloromethane	12.72	129	4437	2.84	ng		89
53)	C163	1,2-Dibromoethane	12.92	107	7715	3.68	ng		86
54)	C215	2-Hexanone	12.41	43	68884	22.38	ng		95
55)	C235	Chlorobenzene	13.58	112	22980	4.25	ng		99
56)	C281	1,1,1,2-Tetrachloroe	13.66	131	5069	3.18	ng		92
57)	C240	Ethylbenzene	13.68	91	37956	4.05	ng		97
58)	C246	m,p-Xylene	13.84	106	27643	8.18	ng		93
59)	C247	o-Xylene	14.42	106	14149	4.09	ng		98
60)	C245	Styrene	14.43	104	22571	3.94	ng		87
63)	C180	Bromoform	14.75	173	1959	2.16	ng		88
64)	C966	Isopropylbenzene	14.93	105	31712	3.88	ng		91
65)	C301	Bromobenzene	15.46	156	8615	4.03	ng		91
66)	C225	1,1,2,2-Tetrachloroe	15.32	83	12281	4.16	ng		99
67)	C282	1,2,3-Trichloropropa	15.43	110	3745	4.54	ng		100
68)	C283	t-1,4-Dichloro-2-But	15.40	89	6962	14.25	ng	#	65
69)	C302	n-Propylbenzene	15.53	91	42384	4.10	ng		93
70)	C303	2-Chlorotoluene	15.71	126	8150	4.06	ng		100
71)	C289	4-Chlorotoluene	15.86	126	8359	4.06	ng		100
72)	C304	1,3,5-Trimethylbenze	15.76	105	26280	3.84	ng		59
73)	C306	tert-Butylbenzene	16.27	134	4942	3.91	ng		100
74)	C307	1,2,4-Trimethylbenze	16.34	105	27678	3.96	ng		93
75)	C308	sec-Butylbenzene	16.60	105	29531	3.97	ng		99
76)	C260	1,3-Dichlorobenzene	16.83	146	17502	4.38	ng		98
77)	C309	4-Isopropyltoluene	16.78	119	25180	3.91	ng		93
78)	C267	1,4-Dichlorobenzene	16.94	146	19427	4.65	ng		94
79)	C249	1,2-Dichlorobenzene	17.53	146	16562	4.12	ng		97
80)	C310	n-Butylbenzene	17.41	91	24803	3.95	ng		97
81)	C286	1,2-Dibromo-3-Chloro	18.69	75	1725	3.18	ng		84
82)	C313	1,2,4-Trichlorobenze	19.95	180	12332	4.64	ng	#	79
83)	C316	Hexachlorobutadiene	20.17	225	5041	5.06	ng		96
84)	C314	Naphthalene	20.36	128	29544	3.98	ng		97
85)	C934	1,2,3-Trichlorobenze	20.74	180	11638	4.76	ng		89

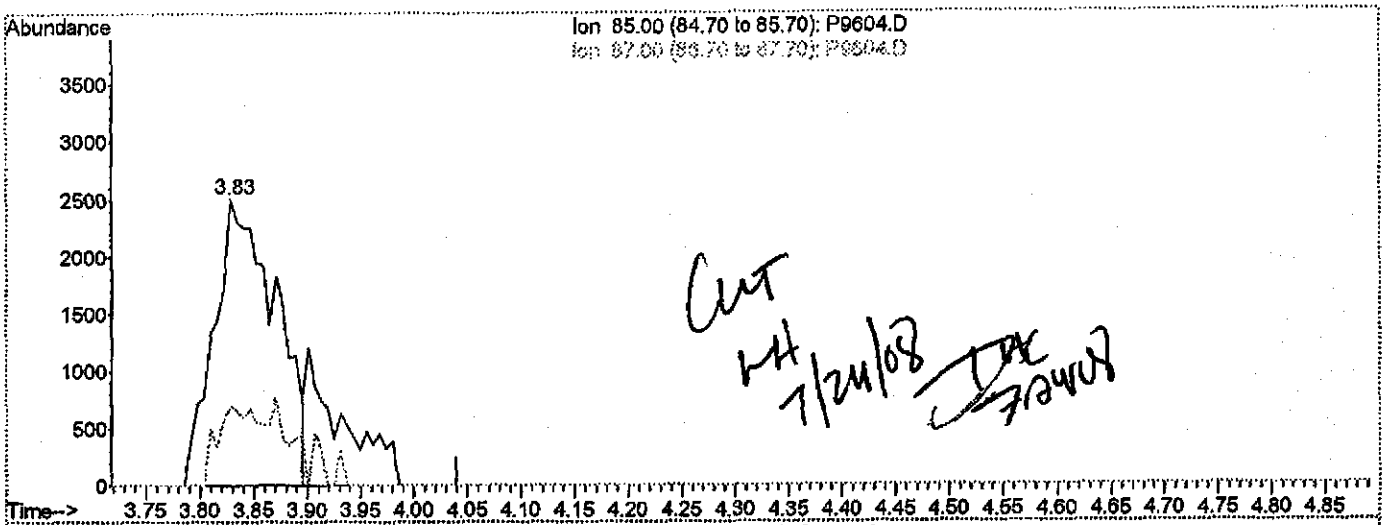
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

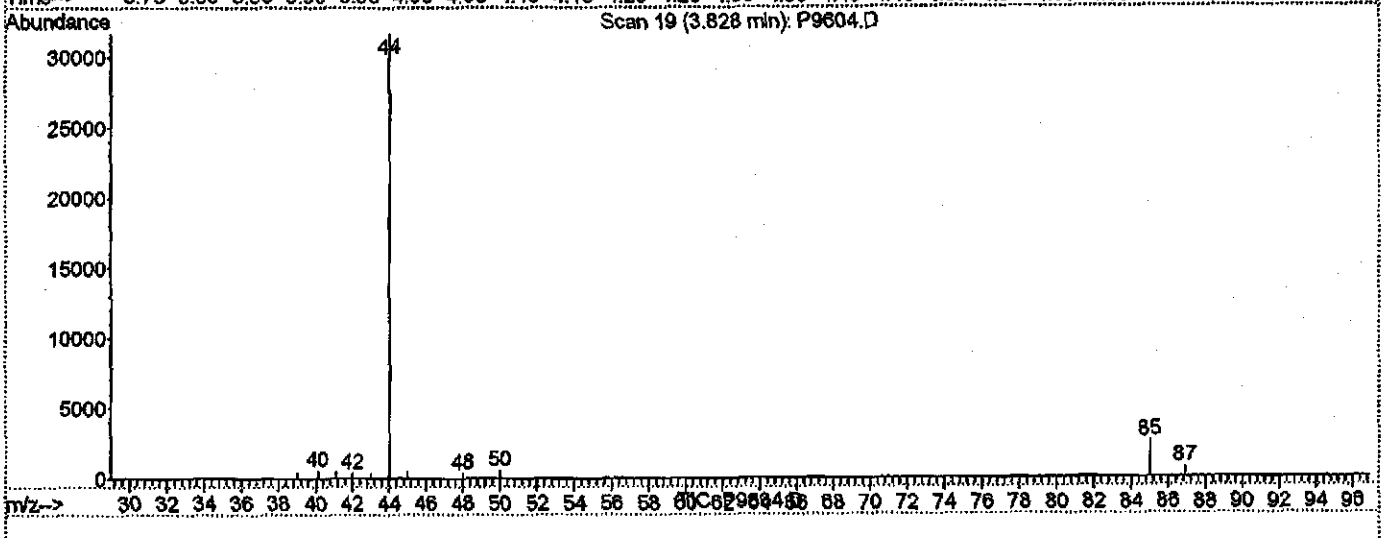
Data File : H:\GCMS_VOA\P\072308\P9604.D
Acq On : 23 Jul 2008 16:14
Sample : VSTD001
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 24 8:57 2008

Vial: 14
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Multiple Level Calibration



CUT
LH 1/24/08



(2) C290 Dichlorodifluoromethane (T)

3.83min 4.36ng

response 9998

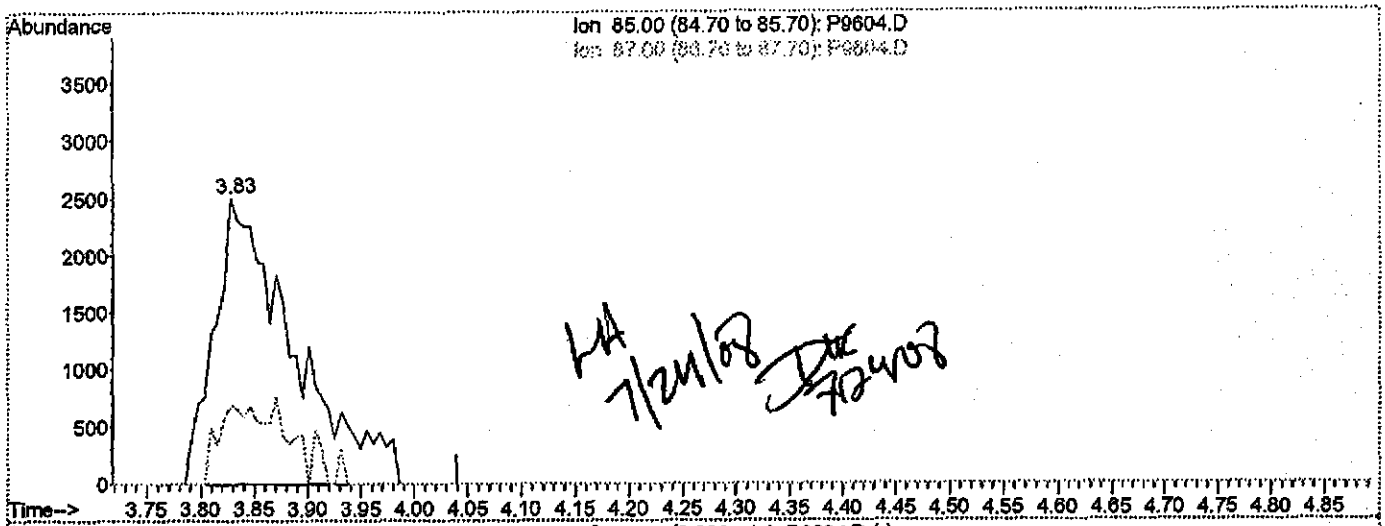
Ion	Exp%	Act%
85.00	100	100
87.00	31.20	27.82
0.00	0.00	0.00
0.00	0.00	0.00

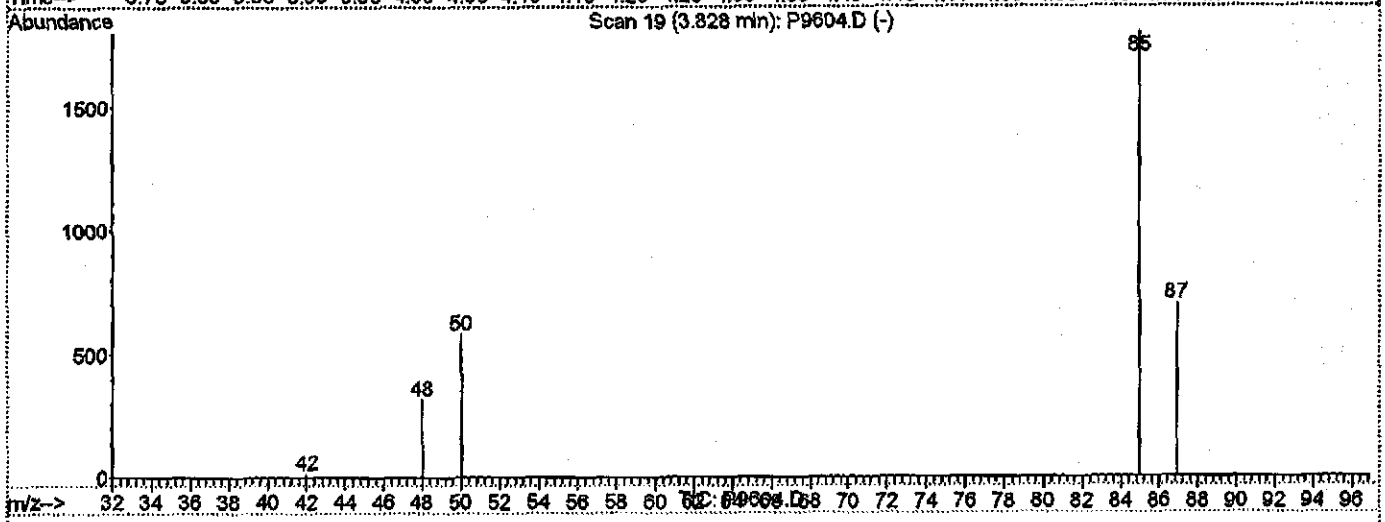
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\072308\P9604.D
Acq On : 23 Jul 2008 16:14
Sample : VSTD001
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 24 8:58 2008

Vial: 14
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Multiple Level Calibration





(2) C290 Dichlorodifluoromethane (T)

3.83min 5.58ng m

response 12811

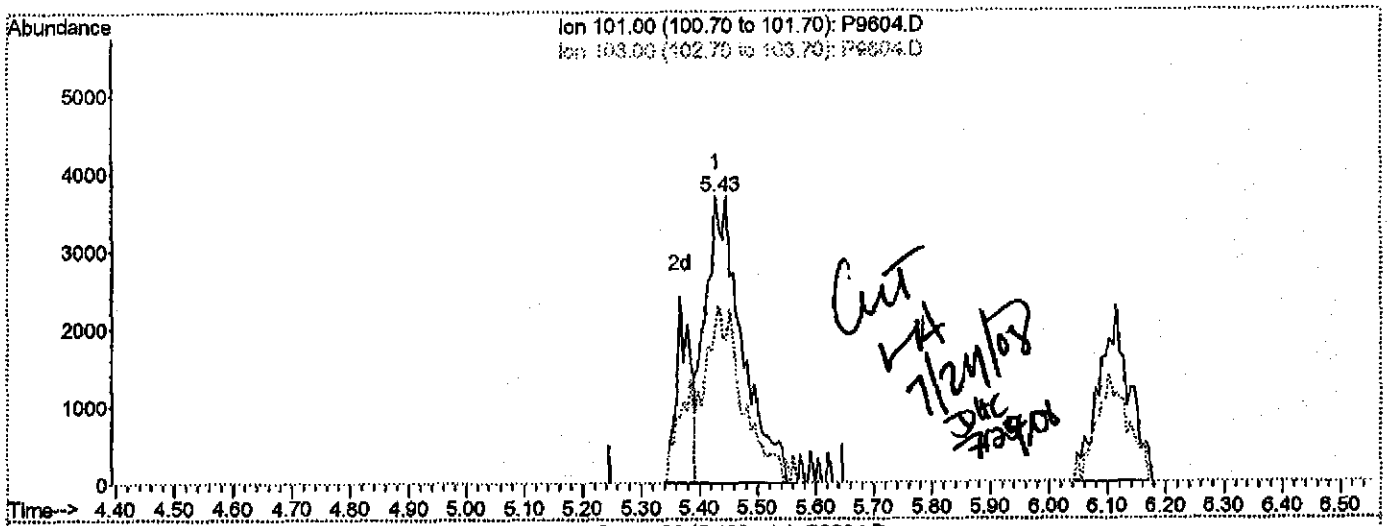
Ion	Exp%	Act%
85.00	100	100
87.00	31.20	27.82
0.00	0.00	0.00
0.00	0.00	0.00

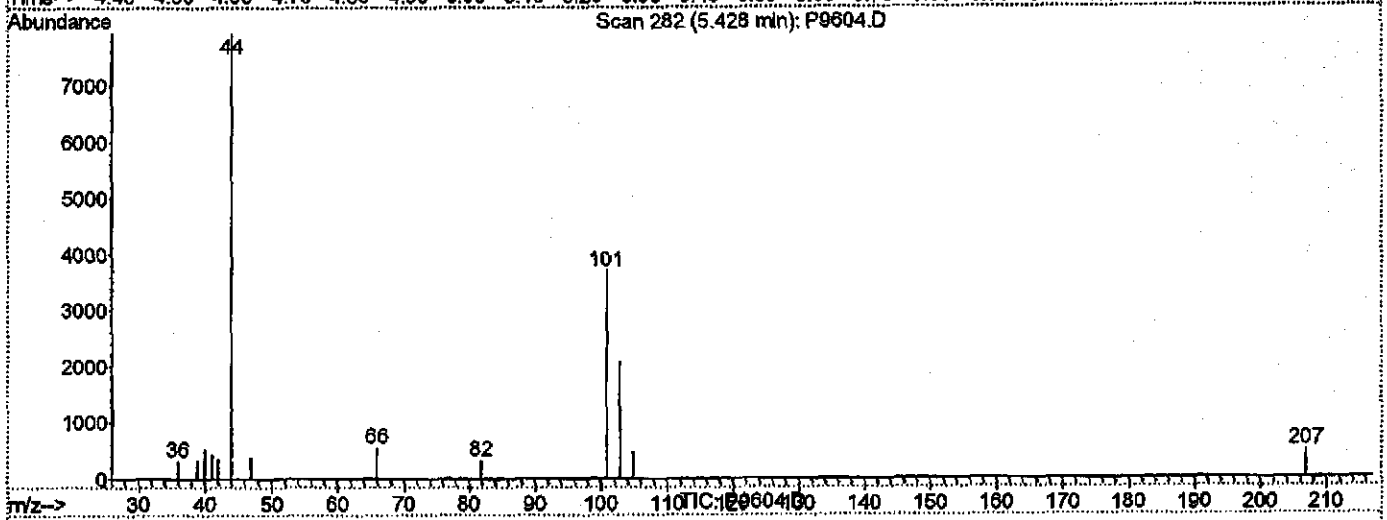
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\072308\P9604.D
Acq On : 23 Jul 2008 16:14
Sample : VSTD001
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 24 8:58 2008

Vial: 14
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

5.43min 4.24ng

response 16151

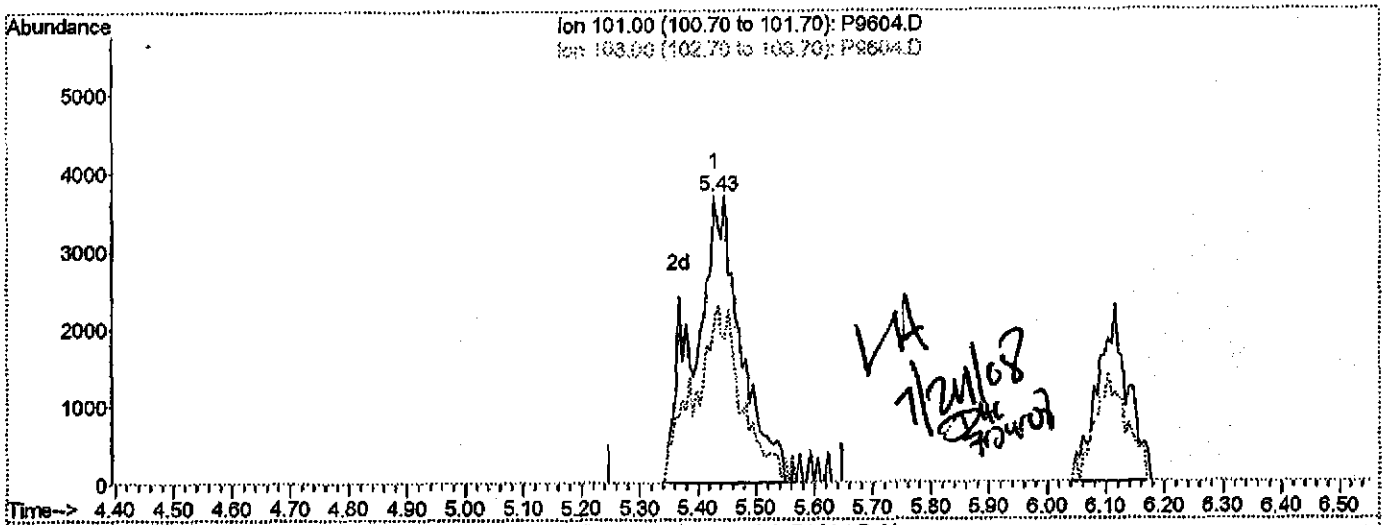
Ion	Exp%	Act%
101.00	100	100
103.00	65.20	55.94
0.00	0.00	0.00
0.00	0.00	0.00

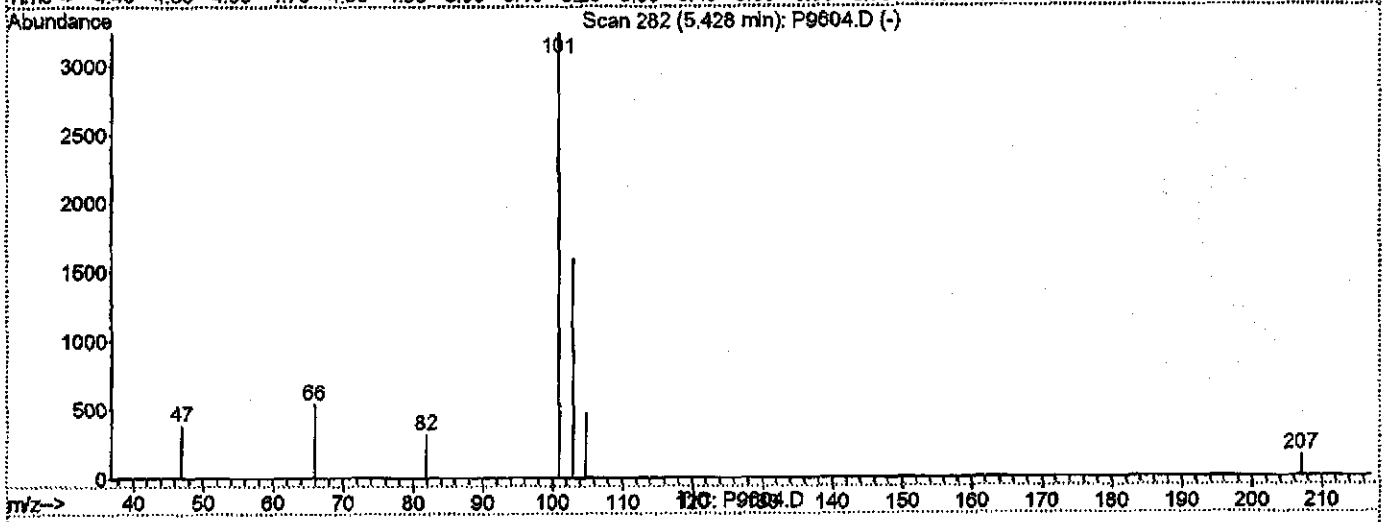
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\072308\P9604.D
Acq On : 23 Jul 2008 16:14
Sample : VSTD001
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 24 8:58 2008

Vial: 14
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

5.43min 5.35ng m

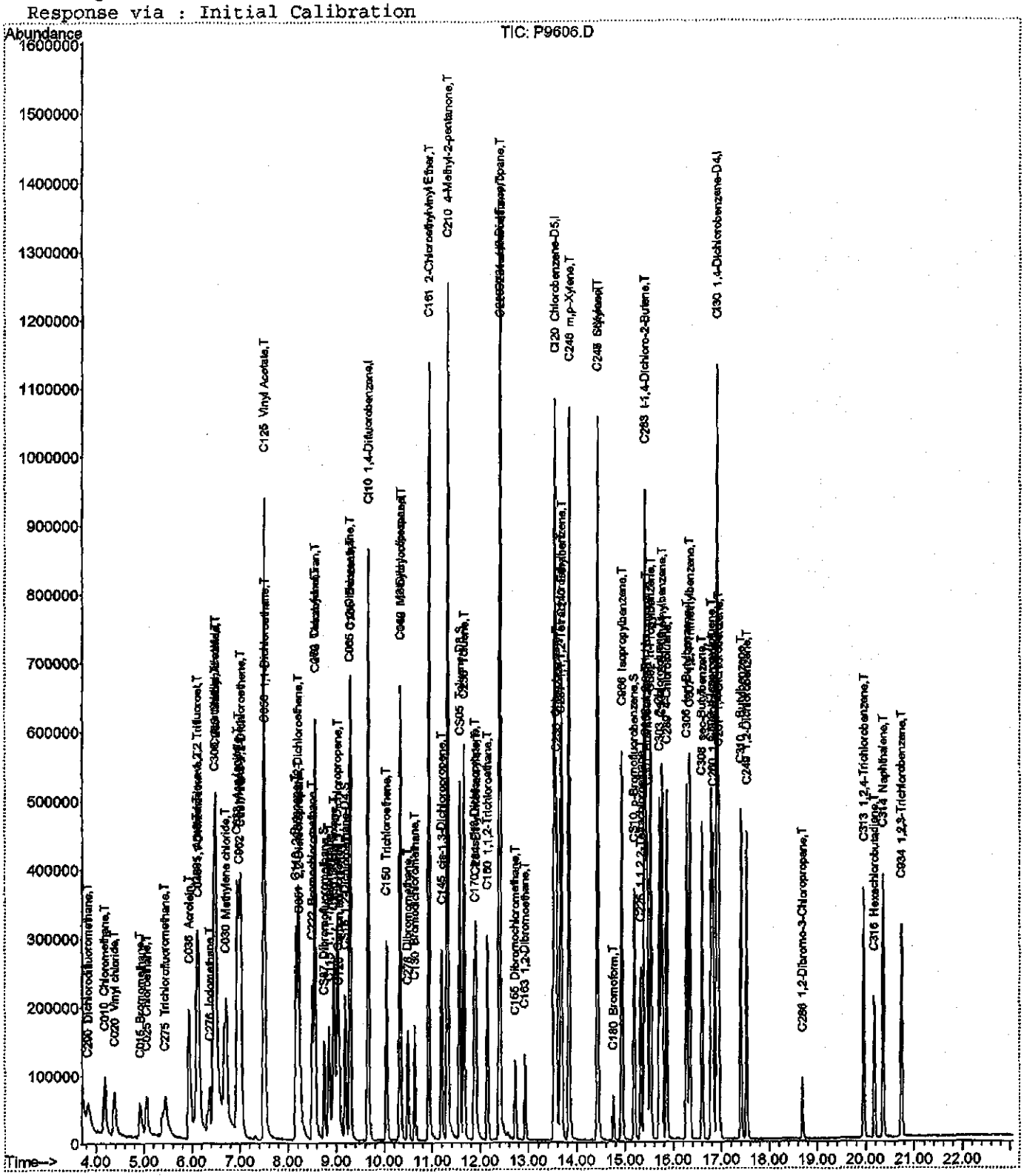
response 20383

Ion	Exp%	Act%
101.00	100	100
103.00	65.20	55.94
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\P\072308\P9606.D Vial: 16
Acq On : 23 Jul 2008 17:10 Operator: LH
Sample : VSTD010 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 8:59 2008 Quant Results File: A8I0000550.RES

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 09:05:25 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\P\072308\P9606.D Vial: 16
Acq On : 23 Jul 2008 17:10 Operator: LH
Sample : VSTD010 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 08:59:12 2008 Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\P\072308\P9607.D (23 Jul 2008 17:38)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	9.66	114	716408	125.00	ng		0.00 96.06%
43) CI20	Chlorobenzene-D5	13.54	117	655604	125.00	ng		0.00 95.61%
62) CI30	1,4-Dichlorobenzene-	16.91	152	334816	125.00	ng		0.00 94.04%
System Monitoring Compounds								
30) CS87	Dibromofluoromethane	8.74	111	104574	54.10	ng		0.00
Spiked Amount	125.000	Range	70 - 130	Recovery =	43.28%#			
31) CS15	1,2-Dichloroethane-D	9.18	65	166789	54.37	ng		0.00
Spiked Amount	125.000	Range	66 - 137	Recovery =	43.50%#			
44) CS05	Toluene-D8	11.57	98	382751	53.47	ng		0.00
Spiked Amount	125.000	Range	71 - 126	Recovery =	42.78%#			
61) CS10	p-Bromofluorobenzene	15.19	174	111538	52.14	ng		0.00
Spiked Amount	125.000	Range	73 - 120	Recovery =	41.71%#			
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	3.85	85	110884m	51.75	ng		95
3) C010	Chloromethane	4.18	50	192360	52.58	ng		100
4) C020	Vinyl chloride	4.39	62	141116	52.45	ng		96
5) C015	Bromomethane	4.92	94	69540	45.32	ng		97
6) C025	Chloroethane	5.06	64	97618	51.67	ng		94
7) C275	Trichlorofluorometha	5.45	101	179254m	50.36	ng		98
8) C045	1,1-Dichloroethene	6.14	96	105329	55.16	ng	#	71
9) C030	Methylene chloride	6.71	84	147184	45.68	ng	#	69
10) C040	Carbon disulfide	6.49	76	359752	51.60	ng		99
11) C036	Acrolein	5.94	56	364035	967.21	ng		95
12) C038	Acrylonitrile	6.94	53	444817	255.43	ng		99
13) C035	Acetone	6.11	43	363927	250.82	ng		96
14) C300	Acetonitrile	6.47	41	1163439	2169.88	ng		98
15) C276	Iodomethane	6.38	142	166614	52.04	ng		97
16) C291	1,1,2 Trichloro-1,2,	6.12	101	93689	57.12	ng		94
17) C962	T-butyl Methyl Ether	6.99	73	317633	50.07	ng	#	86
18) C057	trans-1,2-Dichloroet	7.02	96	115342	54.99	ng	#	81
19) C255	Methyl Acetate	6.50	43	264575	49.43	ng	#	86
20) C050	1,1-Dichloroethane	7.52	63	259091	54.46	ng		99
21) C125	Vinyl Acetate	7.50	43	1640655	256.69	ng	#	89
22) C051	2,2-Dichloropropane	8.23	77	135791	53.44	ng		95
23) C056	cis-1,2-Dichloroethe	8.21	96	122008	54.07	ng	#	82
24) C272	Tetrahydrofuran	8.55	42	343193	257.60	ng	#	78
25) C222	Bromochloromethane	8.50	128	56337	53.57	ng	#	68
26) C060	Chloroform	8.55	83	205961	54.86	ng		99
27) C115	1,1,1-Trichloroethan	8.85	97	159768	53.32	ng		91
28) C120	Carbon tetrachloride	9.06	117	101466	49.25	ng		97
29) C116	1,1-Dichloropropene	9.02	75	149622	55.02	ng		98
32) C165	Benzene	9.29	78	459329	54.83	ng		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\P\072308\P9606.D Vial: 16
Acq On : 23 Jul 2008 17:10 Operator: LH
Sample : VSTD010 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 08:59:12 2008 Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C065	1,2-Dichloroethane	9.27	62	218485	54.83	ng		89
34)	C110	2-Butanone	8.16	43	554367	251.33	ng	#	83
35)	C256	Cyclohexane	8.94	56	238132	51.27	ng	#	74
36)	C150	Trichloroethene	10.04	95	111906	53.93	ng		97
37)	C140	1,2-Dichloropropane	10.33	63	144865	54.30	ng		93
38)	C278	Dibromomethane	10.48	93	79151	53.63	ng		96
39)	C130	Bromodichloromethane	10.63	83	121977	49.58	ng		96
40)	C161	2-Chloroethylvinyl E	10.92	63	534239	262.62	ng		99
41)	C012	Methylcycolhexane	10.33	83	140610	51.77	ng		87
42)	C145	cis-1,3-Dichloroprop	11.19	75	164743	51.49	ng		98
45)	C230	Toluene	11.66	92	269793	53.62	ng		97
46)	C170	trans-1,3-Dichloropr	11.88	75	148586	50.11	ng		95
47)	C284	Ethyl Methacrylate	11.91	69	148276	50.57	ng	#	37
48)	C160	1,1,2-Trichloroethan	12.14	83	91764	53.80	ng		87
49)	C210	4-Methyl-2-pentanone	11.32	43	1126275	262.64	ng		93
50)	C220	Tetrachloroethene	12.41	166	95556	55.16	ng		97
51)	C221	1,3-Dichloropropane	12.39	76	187584	54.93	ng		99
52)	C155	Dibromochloromethane	12.72	129	67982	45.05	ng		96
53)	C163	1,2-Dibromoethane	12.93	107	107788	53.31	ng		91
54)	C215	2-Hexanone	12.40	43	799620	269.18	ng		93
55)	C235	Chlorobenzene	13.59	112	281252	53.84	ng		98
56)	C281	1,1,1,2-Tetrachloroe	13.66	131	76539	49.73	ng		97
57)	C240	Ethylbenzene	13.69	91	495078	54.67	ng		100
58)	C246	m,p-Xylene	13.84	106	356420	109.27	ng		94
59)	C247	o-Xylene	14.43	106	182379	54.61	ng		100
60)	C245	Styrene	14.43	104	300840	54.38	ng		87
63)	C180	Bromoform	14.75	173	36794	41.43	ng		98
64)	C966	Isopropylbenzene	14.93	105	431020	53.92	ng		92
65)	C301	Bromobenzene	15.46	156	116097	55.43	ng		92
66)	C225	1,1,2,2-Tetrachloroe	15.33	83	153557	53.17	ng		96
67)	C282	1,2,3-Trichloropropa	15.43	110	43937	54.42	ng		100
68)	C283	t-1,4-Dichloro-2-But	15.40	89	110501	231.08	ng	#	80
69)	C302	n-Propylbenzene	15.53	91	550747	54.49	ng		96
70)	C303	2-Chlorotoluene	15.71	126	105581	53.72	ng		100
71)	C289	4-Chlorotoluene	15.86	126	109304	54.18	ng		100
72)	C304	1,3,5-Trimethylbenze	15.76	105	364380	54.43	ng	#	49
73)	C306	tert-Butylbenzene	16.27	134	65140	52.62	ng		100
74)	C307	1,2,4-Trimethylbenze	16.34	105	368800	53.89	ng		99
75)	C308	sec-Butylbenzene	16.60	105	385194	52.90	ng		99
76)	C260	1,3-Dichlorobenzene	16.82	146	210457	53.84	ng		98
77)	C309	4-Isopropyltoluene	16.79	119	332769	52.79	ng		95
78)	C267	1,4-Dichlorobenzene	16.95	146	217053	53.10	ng		97
79)	C249	1,2-Dichlorobenzene	17.53	146	211766	53.80	ng		97
80)	C310	n-Butylbenzene	17.41	91	328403	53.37	ng		100
81)	C286	1,2-Dibromo-3-Chloro	18.68	75	23700	44.57	ng		92
82)	C313	1,2,4-Trichlorobenze	19.96	180	132358	50.89	ng		99
83)	C316	Hexachlorobutadiene	20.18	225	49731	51.06	ng		97
84)	C314	Naphthalene	20.36	128	362388	49.86	ng		99
85)	C934	1,2,3-Trichlorobenze	20.74	180	119520	49.93	ng		99

(#) = qualifier out of range (m) = manual integration

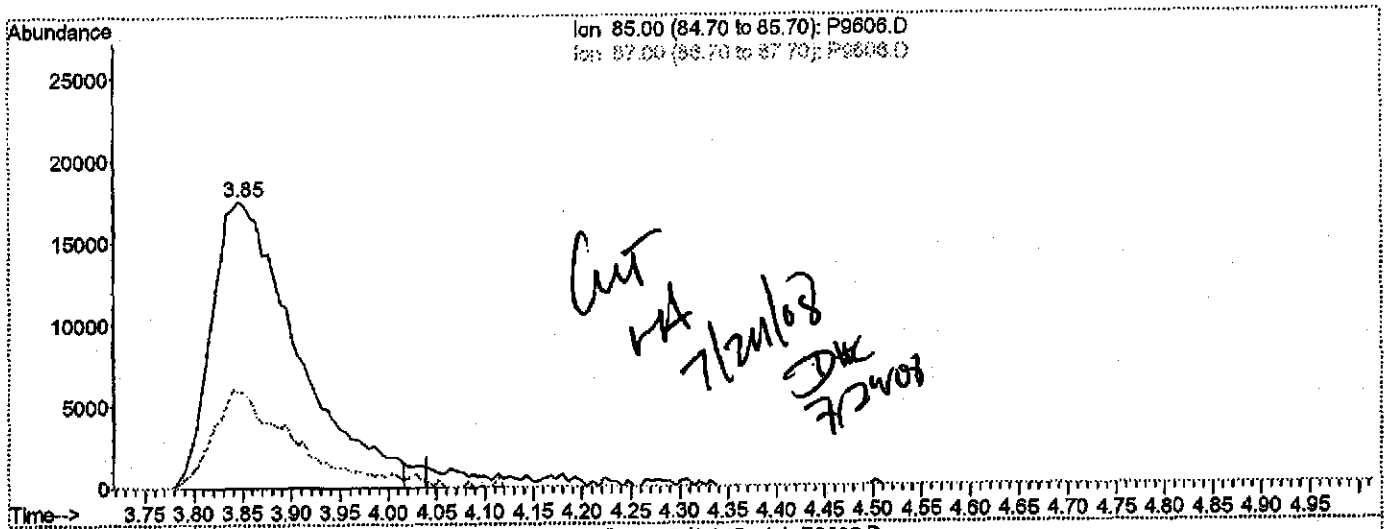
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\072308\P9606.D
Acq On : 23 Jul 2008 17:10
Sample : VSTD010
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 24 8:59 2008

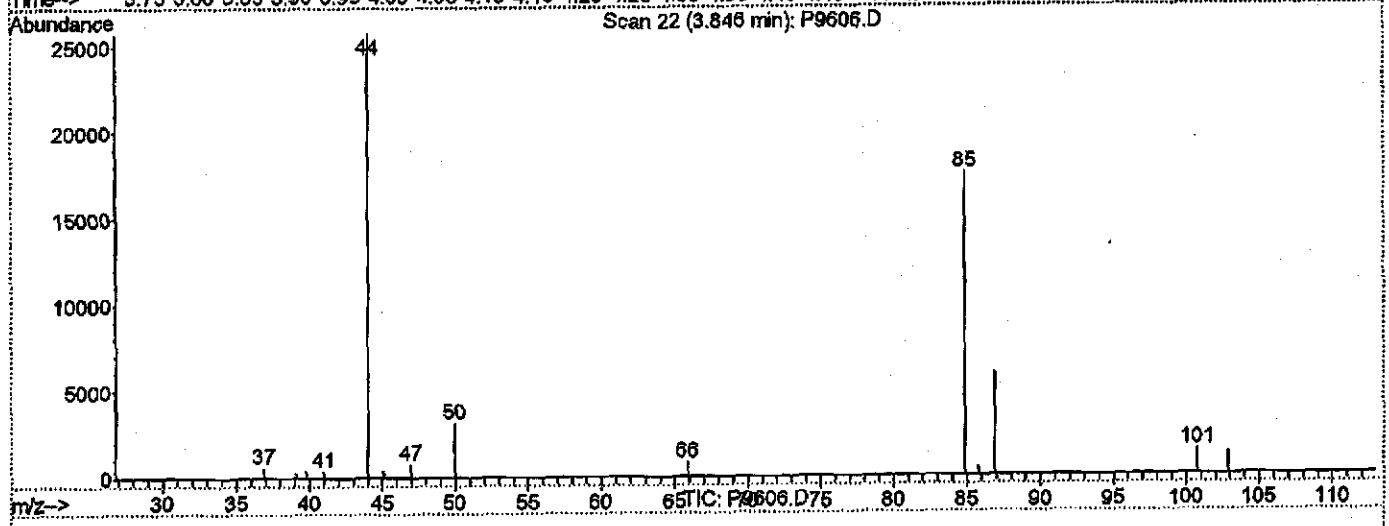
Vial: 16
Operator: LH
Inst : HP5973 P
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Multiple Level Calibration



Cut RA 7/24/08 DK 7/24/08



(2) C290 Dichlorodifluoromethane (T)

3.85min 50.19ng

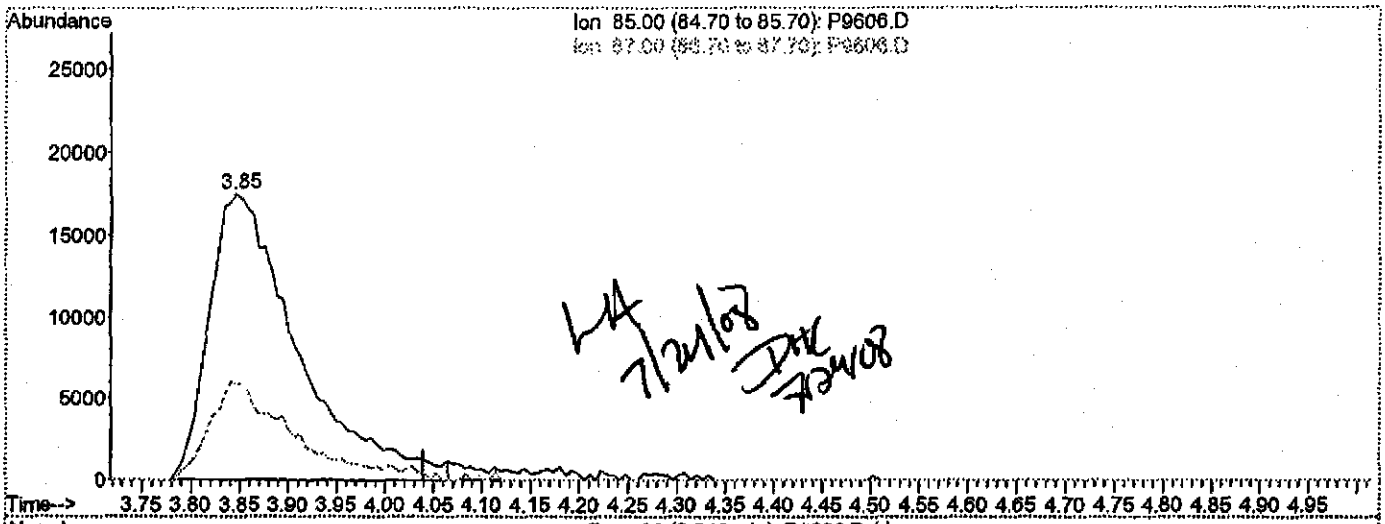
response 107549

Ion	Exp%	Act%
85.00	100	100
87.00	31.20	33.75
0.00	0.00	0.00
0.00	0.00	0.00

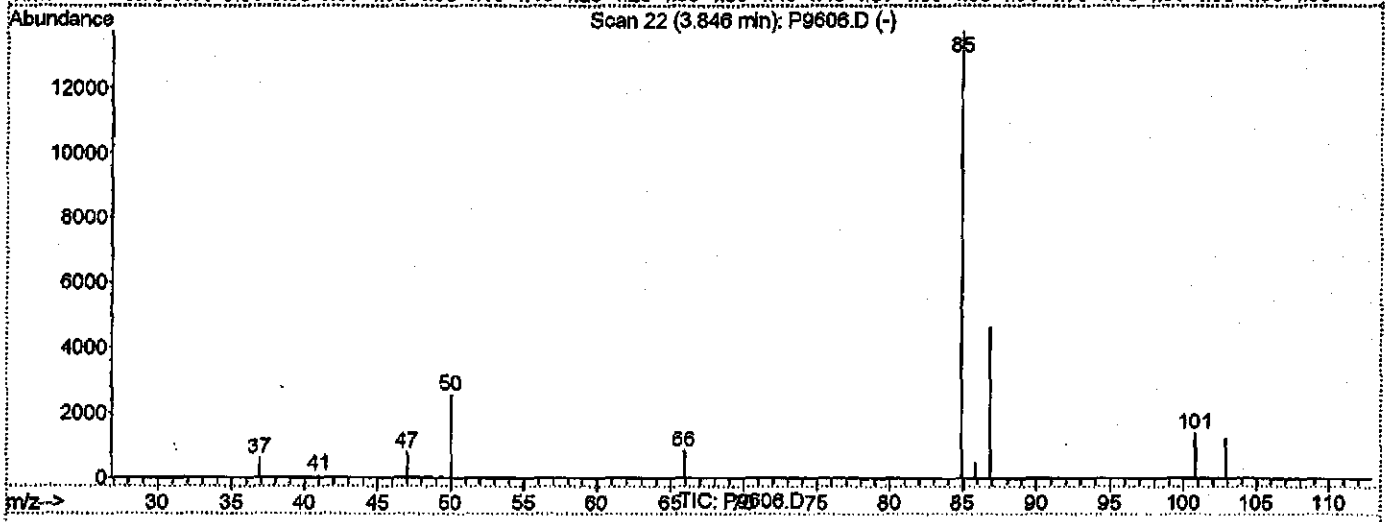
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\072308\P9606.D Vial: 16
Acq On : 23 Jul 2008 17:10 Operator: LH
Sample : VSTD010 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 8:59 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Multiple Level Calibration



LH 7/24/08 DK 7/24/08



(2) C290 Dichlorodifluoromethane (T)

3.85min 51.75ng m

response 110884

Ion	Exp%	Act%
85.00	100	100
87.00	31.20	33.75
0.00	0.00	0.00
0.00	0.00	0.00

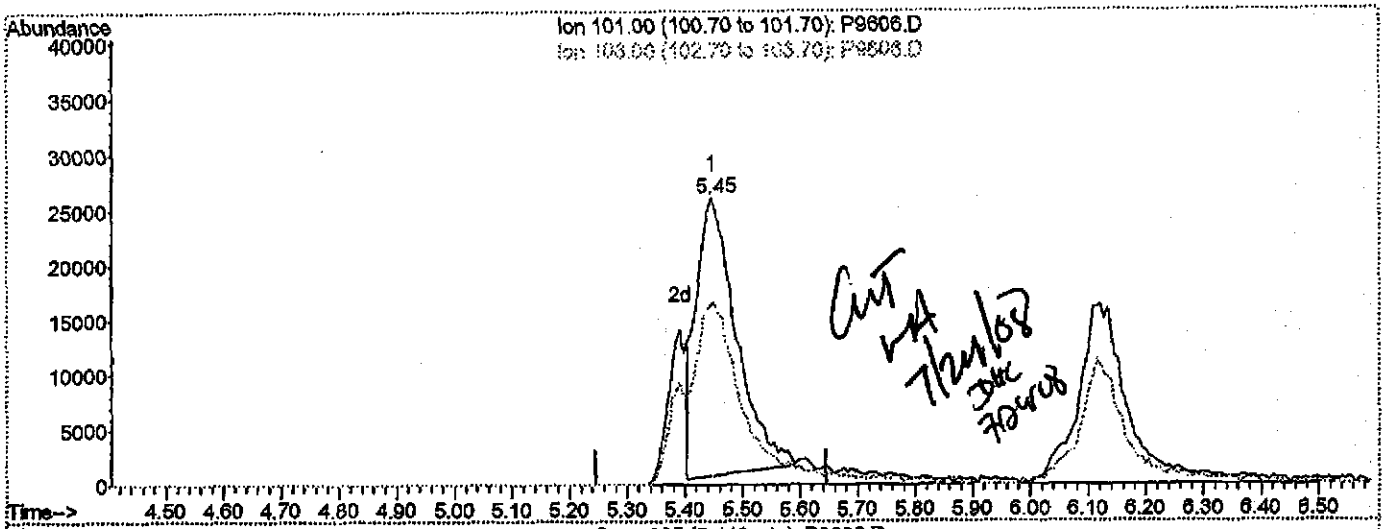
Quantitation Report (Qedit)

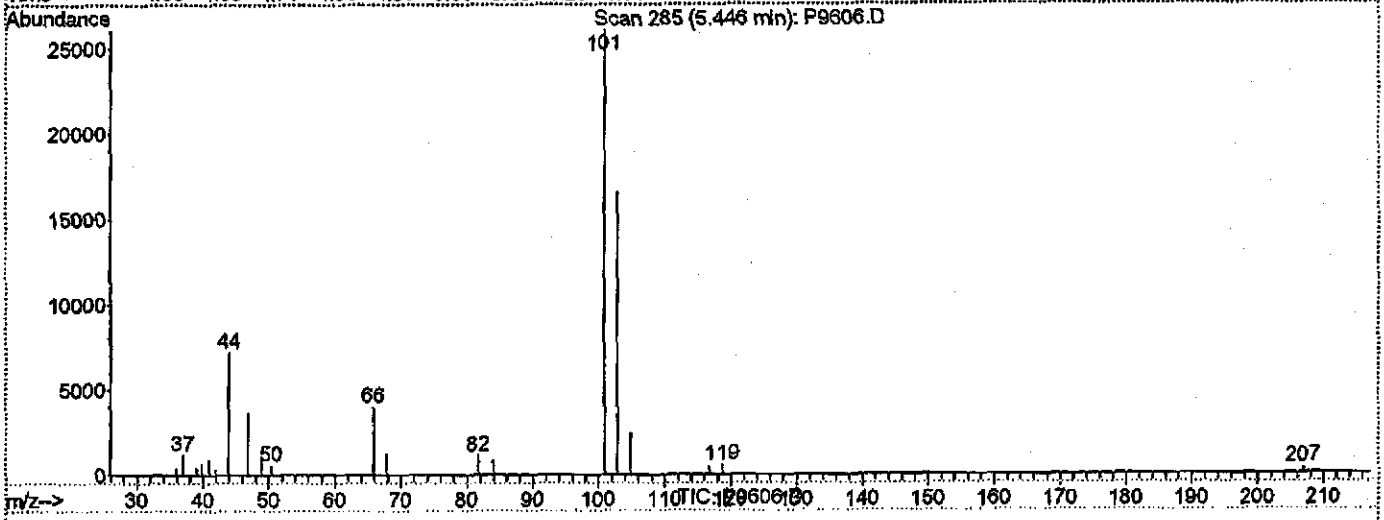
Data File : H:\GCMS_VOA\P\072308\P9606.D
Acq On : 23 Jul 2008 17:10
Sample : VSTD010
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 24 8:59 2008

Vial: 16
Operator: LH
Inst : HP5973 P
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

5.45min 34.19ng

response 121688

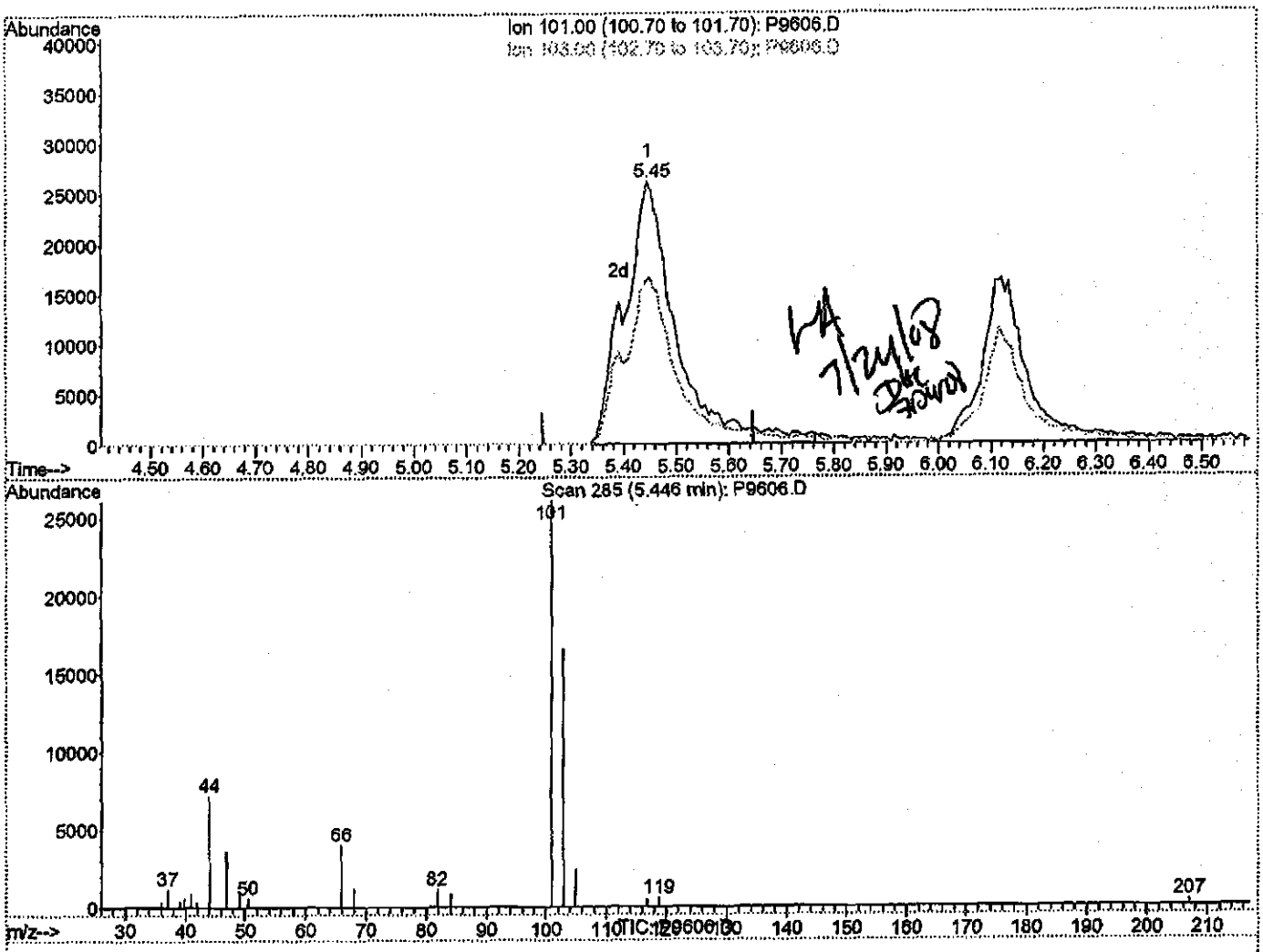
Ion	Exp%	Act%
101.00	100	100
103.00	65.20	63.37
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\072308\P9606.D
Acq On : 23 Jul 2008 17:10
Sample : VSTD010
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 24 8:59 2008

Vial: 16
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Multiple Level Calibration



(7) C275 Trichlorofluoromethane (T)

5.45min 50.36ng m

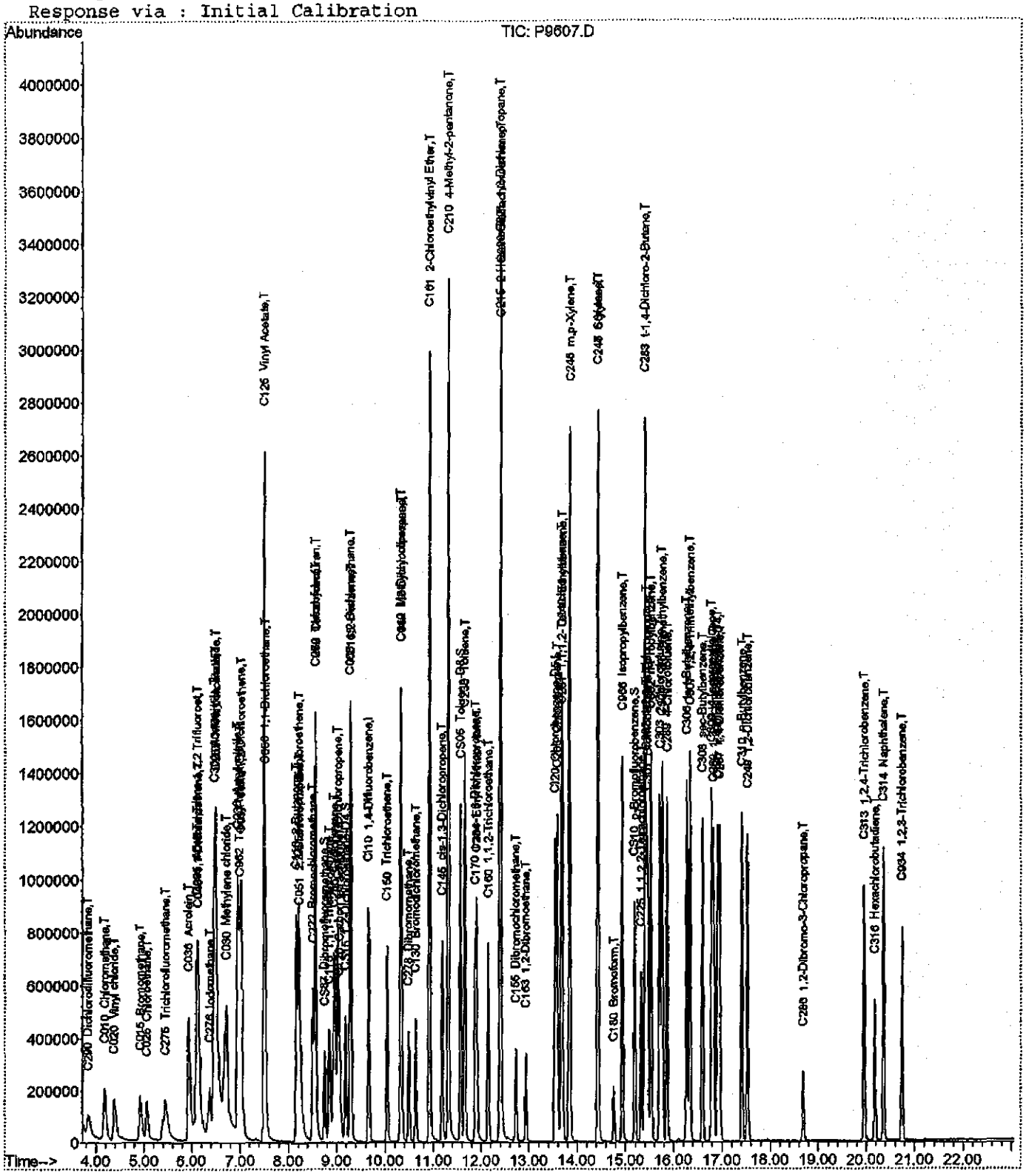
response 179254

Ion	Exp%	Act%
101.00	100	100
103.00	65.20	63.37
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\P\072308\P9607.D Vial: 17
Acq On : 23 Jul 2008 17:38 Operator: LH
Sample : VSTD025 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 9:00 2008 Quant Results File: A8I0000550.RES

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 09:05:25 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\P\072308\P9607.D
Acq On : 23 Jul 2008 17:38
Sample : VSTD025
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 24 09:00:08 2008

Vial: 17
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\P\072308\P9607.D (23 Jul 2008 17:38)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	9.66	114	745777	125.00	ng		0.00 100.00%
43) CI20	Chlorobenzene-D5	13.54	117	685671	125.00	ng		0.00 100.00%
62) CI30	1,4-Dichlorobenzene-	16.91	152	356044	125.00	ng		0.00 100.00%
System Monitoring Compounds								
30) CS87	Dibromofluoromethane	8.74	111	242307	120.43	ng		0.00
Spiked Amount	125.000	Range	70 - 130	Recovery =	96.34%			
31) CS15	1,2-Dichloroethane-D	9.18	65	373908	117.09	ng		0.00
Spiked Amount	125.000	Range	66 - 137	Recovery =	93.67%			
44) CS05	Toluene-D8	11.57	98	934022	124.75	ng		0.00
Spiked Amount	125.000	Range	71 - 126	Recovery =	99.80%			
61) CS10	p-Bromofluorobenzene	15.19	174	276723	123.68	ng		0.00
Spiked Amount	125.000	Range	73 - 120	Recovery =	98.94%			
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	3.85	85	278232m	124.73	ng		97
3) C010	Chloromethane	4.19	50	466175	122.41	ng		98
4) C020	Vinyl chloride	4.38	62	353365	126.17	ng		94
5) C015	Bromomethane	4.93	94	224773	140.72	ng		99
6) C025	Chloroethane	5.06	64	245029	124.59	ng		94
7) C275	Trichlorofluorometha	5.45	101	468873m	126.54	ng		100
8) C045	1,1-Dichloroethene	6.14	96	267276	134.45	ng	#	74
9) C030	Methylene chloride	6.71	84	346940	103.44	ng	#	67
10) C040	Carbon disulfide	6.49	76	958765	132.11	ng		99
11) C036	Acrolein	5.93	56	913614	2331.81	ng		93
12) C038	Acrylonitrile	6.94	53	1194579	658.95	ng		98
13) C035	Acetone	6.11	43	945179	625.76	ng		99
14) C300	Acetonitrile	6.47	41	2988973	5355.06	ng		98
15) C276	Iodomethane	6.37	142	436998	131.12	ng		96
16) C291	1,1,2 Trichloro-1,2,	6.12	101	224328	131.39	ng		89
17) C962	T-butyl Methyl Ether	6.99	73	855785	129.58	ng	#	85
18) C057	trans-1,2-Dichloroet	7.02	96	289068	132.38	ng	#	84
19) C255	Methyl Acetate	6.50	43	712587	127.90	ng	#	85
20) C050	1,1-Dichloroethane	7.52	63	655421	132.35	ng		97
21) C125	Vinyl Acetate	7.49	43	4575840	687.72	ng	#	90
22) C051	2,2-Dichloropropane	8.23	77	360861	136.42	ng		94
23) C056	cis-1,2-Dichloroethe	8.20	96	310693	132.26	ng	#	80
24) C272	Tetrahydrofuran	8.55	42	915660	660.22	ng	#	80
25) C222	Bromochloromethane	8.50	128	143535	131.12	ng	#	66
26) C060	Chloroform	8.55	83	516513	132.15	ng		98
27) C115	1,1,1-Trichloroethan	8.84	97	418551	134.19	ng		93
28) C120	Carbon tetrachloride	9.05	117	288555	134.55	ng		92
29) C116	1,1-Dichloropropene	9.02	75	376745	133.07	ng		97
32) C165	Benzene	9.29	78	1150541	131.94	ng		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\P\072308\P9607.D Vial: 17
Acq On : 23 Jul 2008 17:38 Operator: LH
Sample : VSTD025 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 09:00:08 2008 Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit		Qvalue
33)	C065	1,2-Dichloroethane	9.27	62	544033	131.14 ng		88
34)	C110	2-Butanone	8.15	43	1503050	654.59 ng	#	82
35)	C256	Cyclohexane	8.94	56	653027	135.05 ng	#	73
36)	C150	Trichloroethene	10.04	95	287405	133.06 ng		98
37)	C140	1,2-Dichloropropane	10.33	63	368593	132.72 ng		91
38)	C278	Dibromomethane	10.48	93	204040	132.81 ng		98
39)	C130	Bromodichloromethane	10.63	83	341279	133.26 ng		97
40)	C161	2-Chloroethylvinyl E	10.92	63	1414585	668.00 ng		99
41)	C012	Methylcycolhexane	10.33	83	384115	135.85 ng		88
42)	C145	cis-1,3-Dichloroprop	11.19	75	443242	133.08 ng		98
45)	C230	Toluene	11.66	92	690891	131.28 ng		95
46)	C170	trans-1,3-Dichloropr	11.88	75	418547	134.96 ng		94
47)	C284	Ethyl Methacrylate	11.91	69	413671	134.89 ng	#	39
48)	C160	1,1,2-Trichloroethan	12.14	83	233576	130.94 ng		88
49)	C210	4-Methyl-2-pentanone	11.32	43	2989951	666.67 ng	#	92
50)	C220	Tetrachloroethene	12.41	166	241602	133.36 ng		97
51)	C221	1,3-Dichloropropane	12.39	76	473570	132.58 ng		97
52)	C155	Dibromochloromethane	12.72	129	207269	131.32 ng		97
53)	C163	1,2-Dibromoethane	12.93	107	282611	133.64 ng		97
54)	C215	2-Hexanone	12.40	43	2114458	680.60 ng		96
55)	C235	Chlorobenzene	13.58	112	707840	129.55 ng		99
56)	C281	1,1,1,2-Tetrachloroe	13.66	131	218792	135.91 ng		96
57)	C240	Ethylbenzene	13.68	91	1263201	133.37 ng		99
58)	C246	m,p-Xylene	13.84	106	906500	265.72 ng		96
59)	C247	o-Xylene	14.43	106	462973	132.54 ng		99
60)	C245	Styrene	14.43	104	771104	133.28 ng		87
63)	C180	Bromoform	14.75	173	119462	126.49 ng		97
64)	C966	Isopropylbenzene	14.93	105	1130198	132.95 ng		94
65)	C301	Bromobenzene	15.46	156	290923	130.61 ng		91
66)	C225	1,1,2,2-Tetrachloroe	15.33	83	396044	128.95 ng		96
67)	C282	1,2,3-Trichloropropa	15.43	110	111984	130.44 ng		100
68)	C283	t-1,4-Dichloro-2-But	15.40	89	354418	696.97 ng	#	77
69)	C302	n-Propylbenzene	15.53	91	1410341	131.21 ng		96
70)	C303	2-Chlorotoluene	15.71	126	272718	130.49 ng		100
71)	C289	4-Chlorotoluene	15.86	126	280918	130.94 ng		100
72)	C304	1,3,5-Trimethylbenze	15.76	105	943674	132.56 ng	#	50
73)	C306	tert-Butylbenzene	16.27	134	173644	131.91 ng		100
74)	C307	1,2,4-Trimethylbenze	16.34	105	964538	132.53 ng		100
75)	C308	sec-Butylbenzene	16.60	105	1027709	132.71 ng		97
76)	C260	1,3-Dichlorobenzene	16.82	146	541308	130.22 ng		96
77)	C309	4-Isopropyltoluene	16.79	119	890712	132.88 ng		96
78)	C267	1,4-Dichlorobenzene	16.95	146	556217	127.96 ng		97
79)	C249	1,2-Dichlorobenzene	17.53	146	548671	131.08 ng		97
80)	C310	n-Butylbenzene	17.41	91	867127	132.53 ng		100
81)	C286	1,2-Dibromo-3-Chloro	18.68	75	72974	129.06 ng		98
82)	C313	1,2,4-Trichlorobenze	19.96	180	349280	126.30 ng		100
83)	C316	Hexachlorobutadiene	20.17	225	129008	124.55 ng		91
84)	C314	Naphthalene	20.36	128	1030282	133.30 ng		100
85)	C934	1,2,3-Trichlorobenze	20.74	180	324343	127.42 ng		97

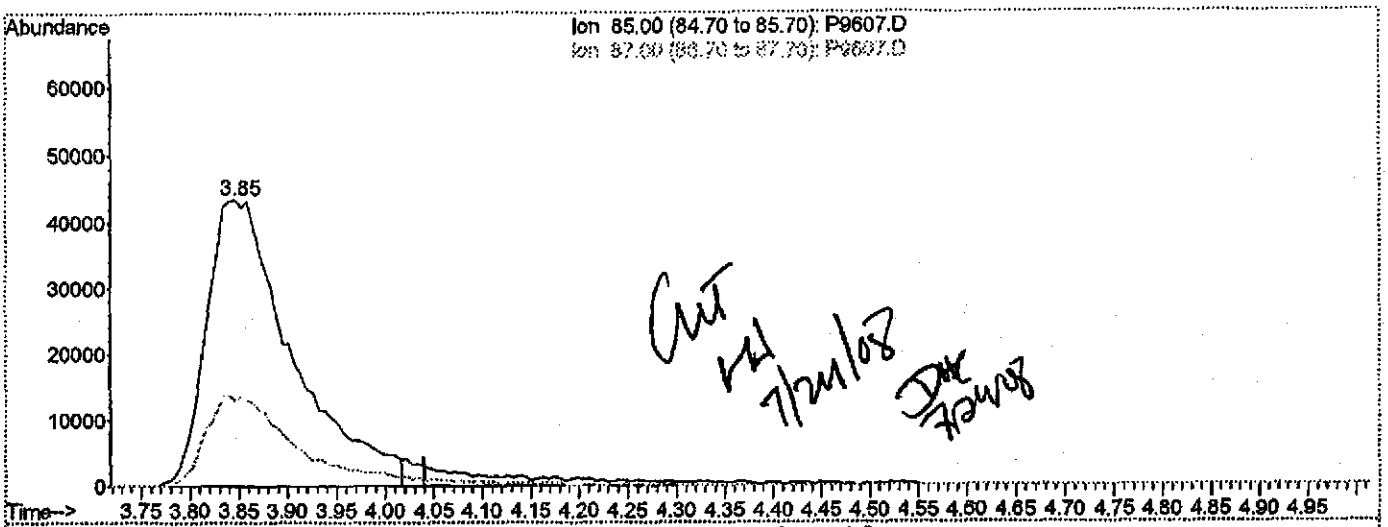
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

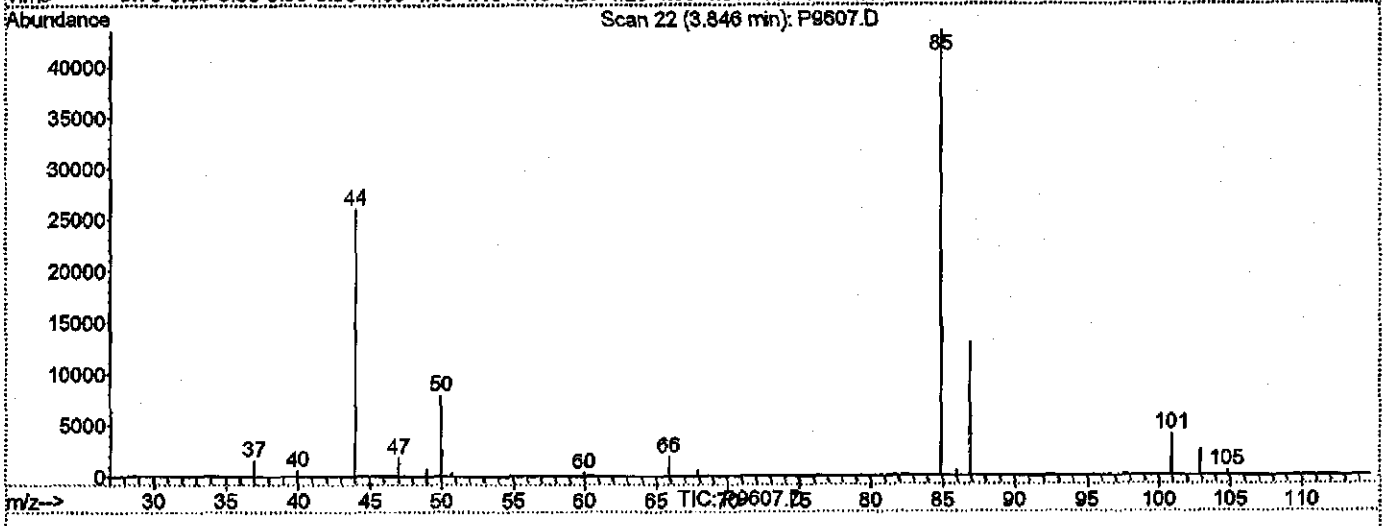
Data File : H:\GCMS_VOA\P\072308\P9607.D
Acq On : 23 Jul 2008 17:38
Sample : VSTD025
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 24 9:00 2008

Vial: 17
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Multiple Level Calibration



CWT 7/24/08 DWK 7/24/08



(2) C290 Dichlorodifluoromethane (T)

3.85min 118.66ng

response 284685

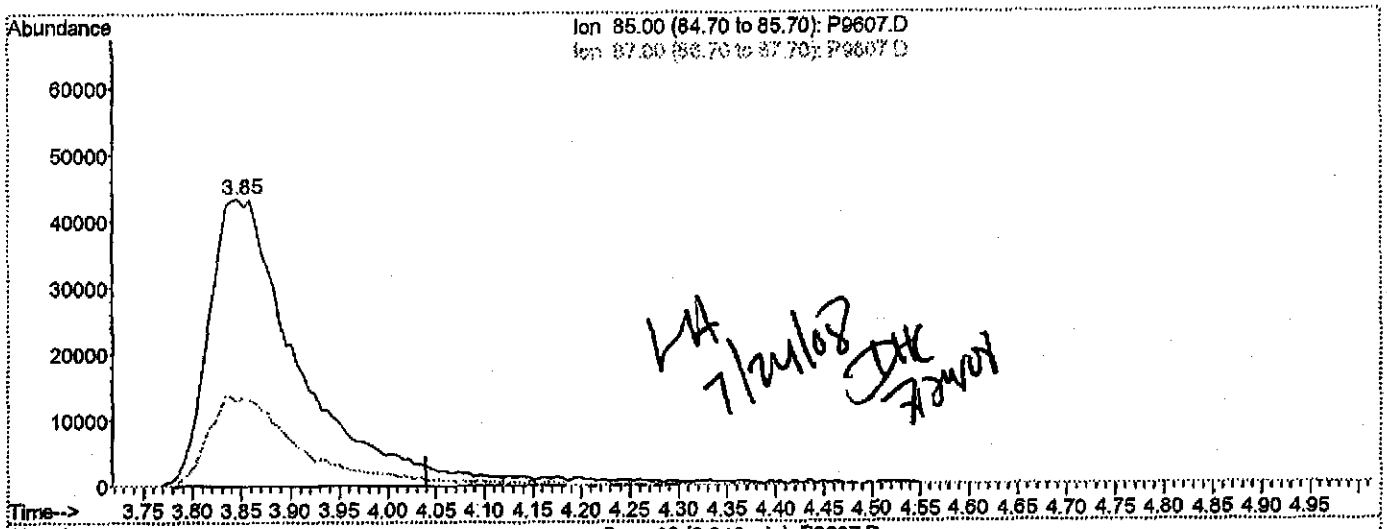
Ion	Exp%	Act%
85.00	100	100
87.00	31.20	29.62
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

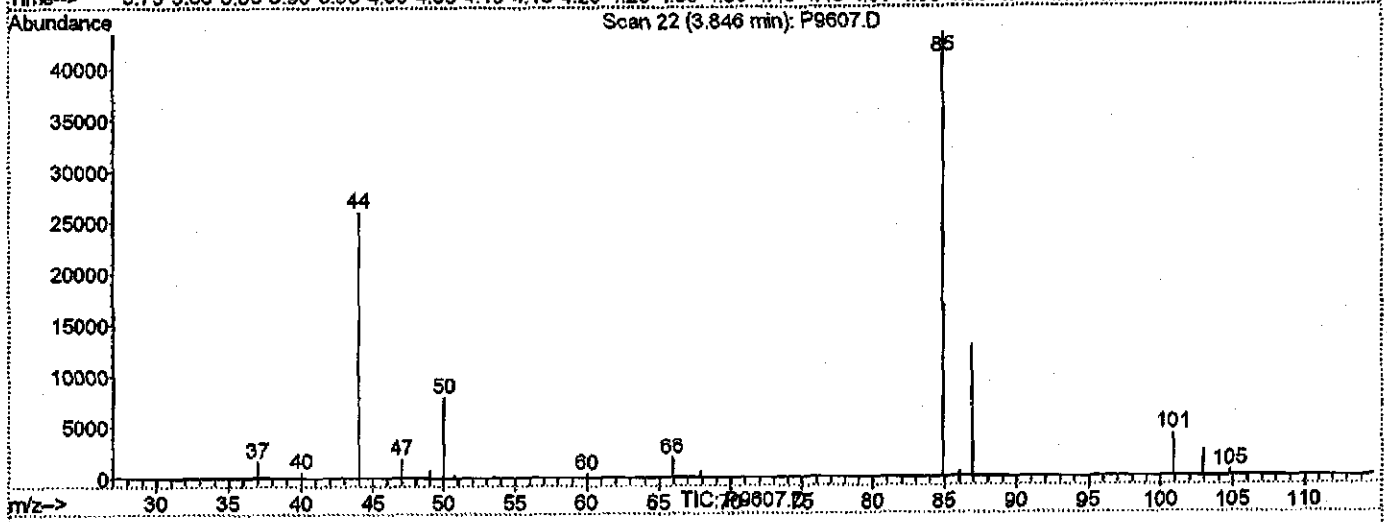
Data File : H:\GCMS_VOA\P\072308\P9607.D
Acq On : 23 Jul 2008 17:38
Sample : VSTD025
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 24 9:00 2008

Vial: 17
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Multiple Level Calibration



LH 7/24/08



(2) C290 Dichlorodifluoromethane (T)

3.85min 124.73ng m

response 278232

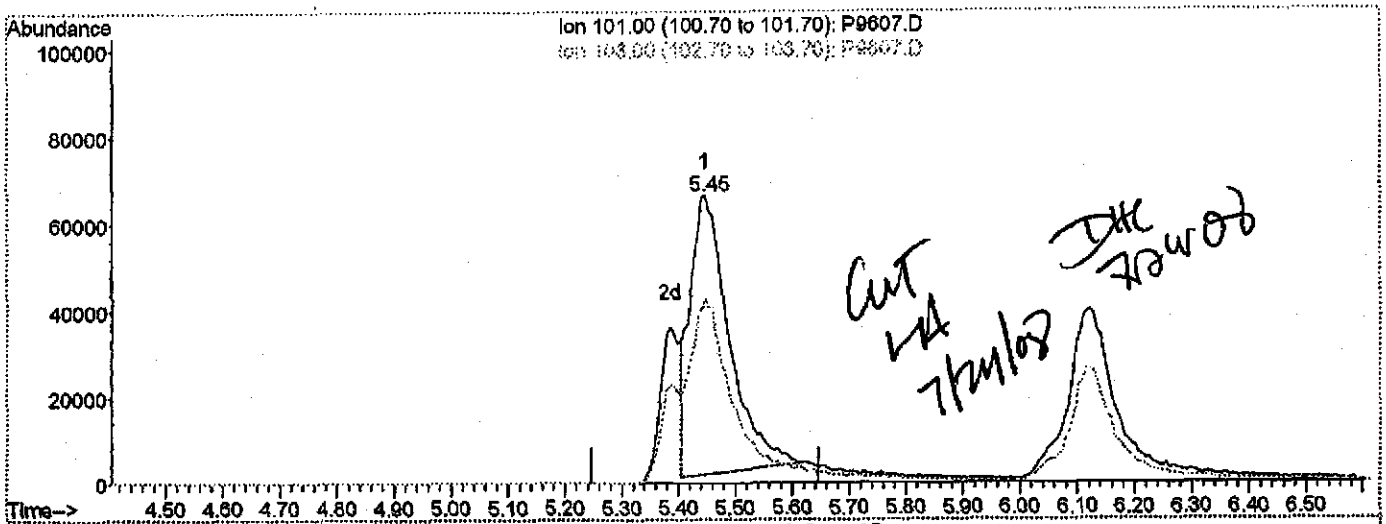
Ion	Exp%	Act%
85.00	100	100
87.00	31.20	29.62
0.00	0.00	0.00
0.00	0.00	0.00

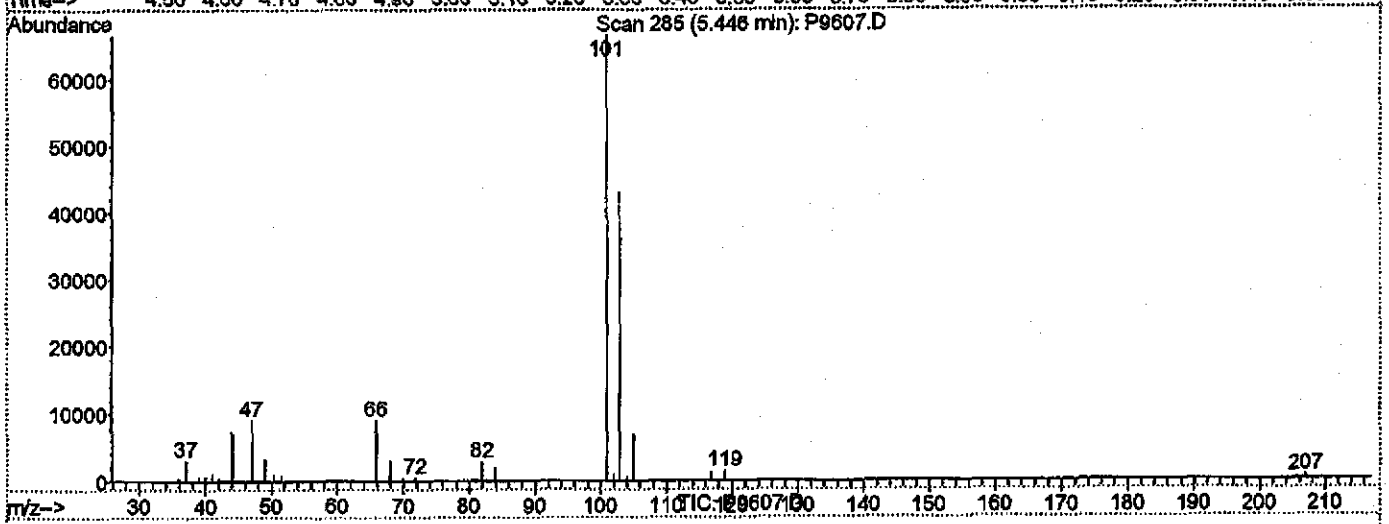
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\072308\P9607.D
Acq On : 23 Jul 2008 17:38
Sample : VSTD025
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 24 9:00 2008

Vial: 17
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

5.45min 83.93ng

response 310961

Ion	Exp%	Act%
101.00	100	100
103.00	65.20	65.00
0.00	0.00	0.00
0.00	0.00	0.00

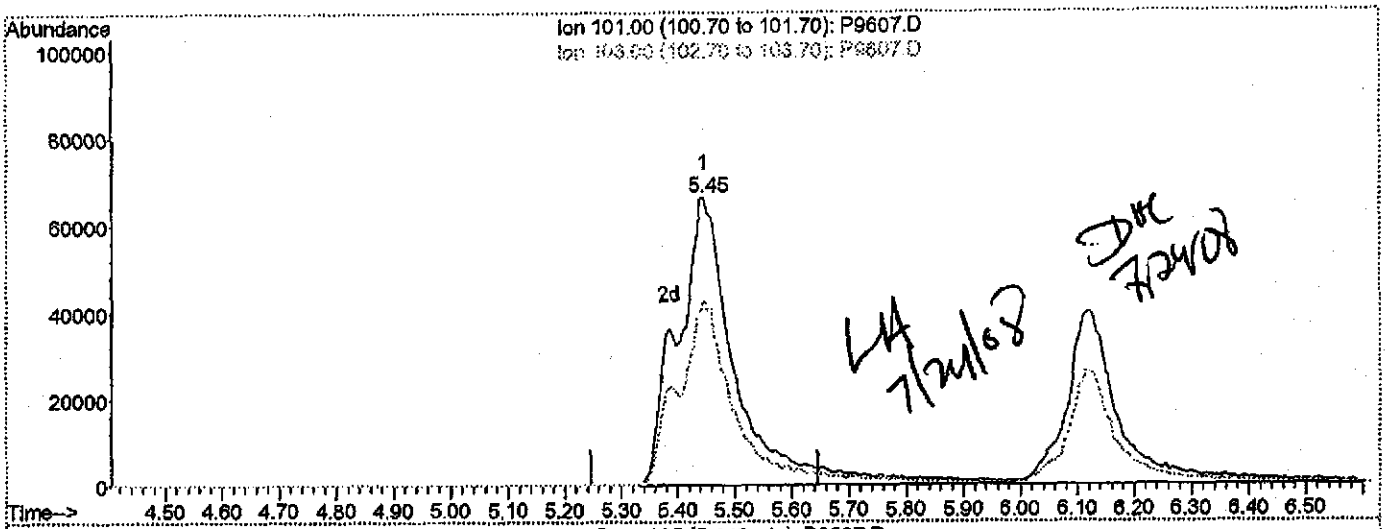
Quantitation Report (Qedit)

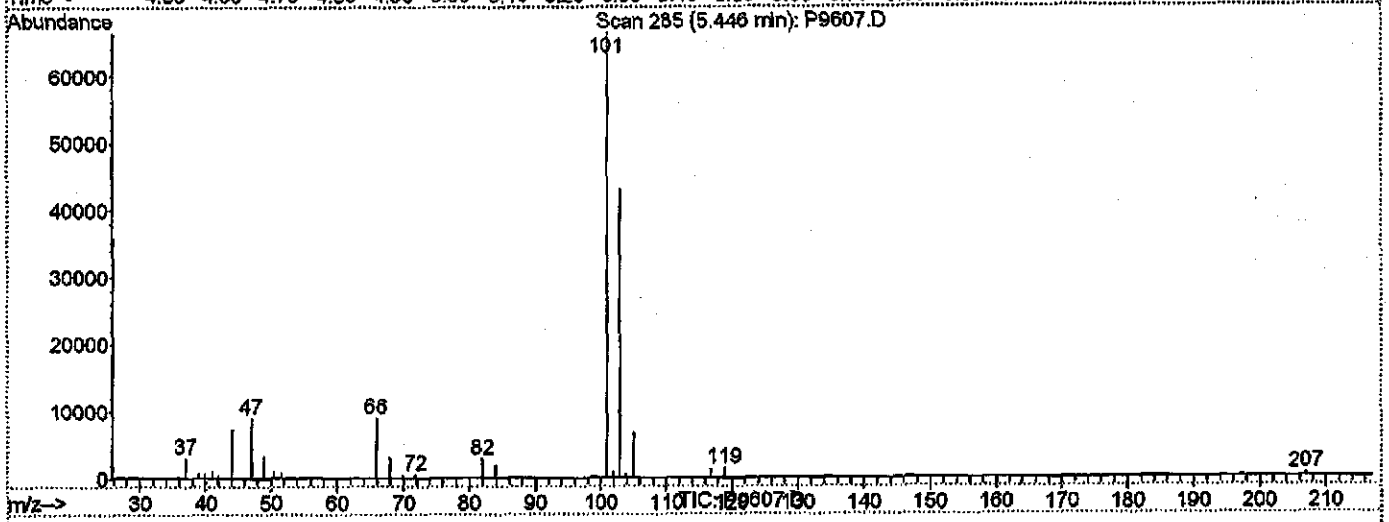
Data File : H:\GCMS_VOA\P\072308\P9607.D
Acq On : 23 Jul 2008 17:38
Sample : VSTD025
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 24 9:00 2008

Vial: 17
Operator: LH
Inst : HP5973 P
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

5.45min 126.54ng m

response 468873

Ion	Exp%	Act%
101.00	100	100
103.00	65.20	65.00
0.00	0.00	0.00
0.00	0.00	0.00

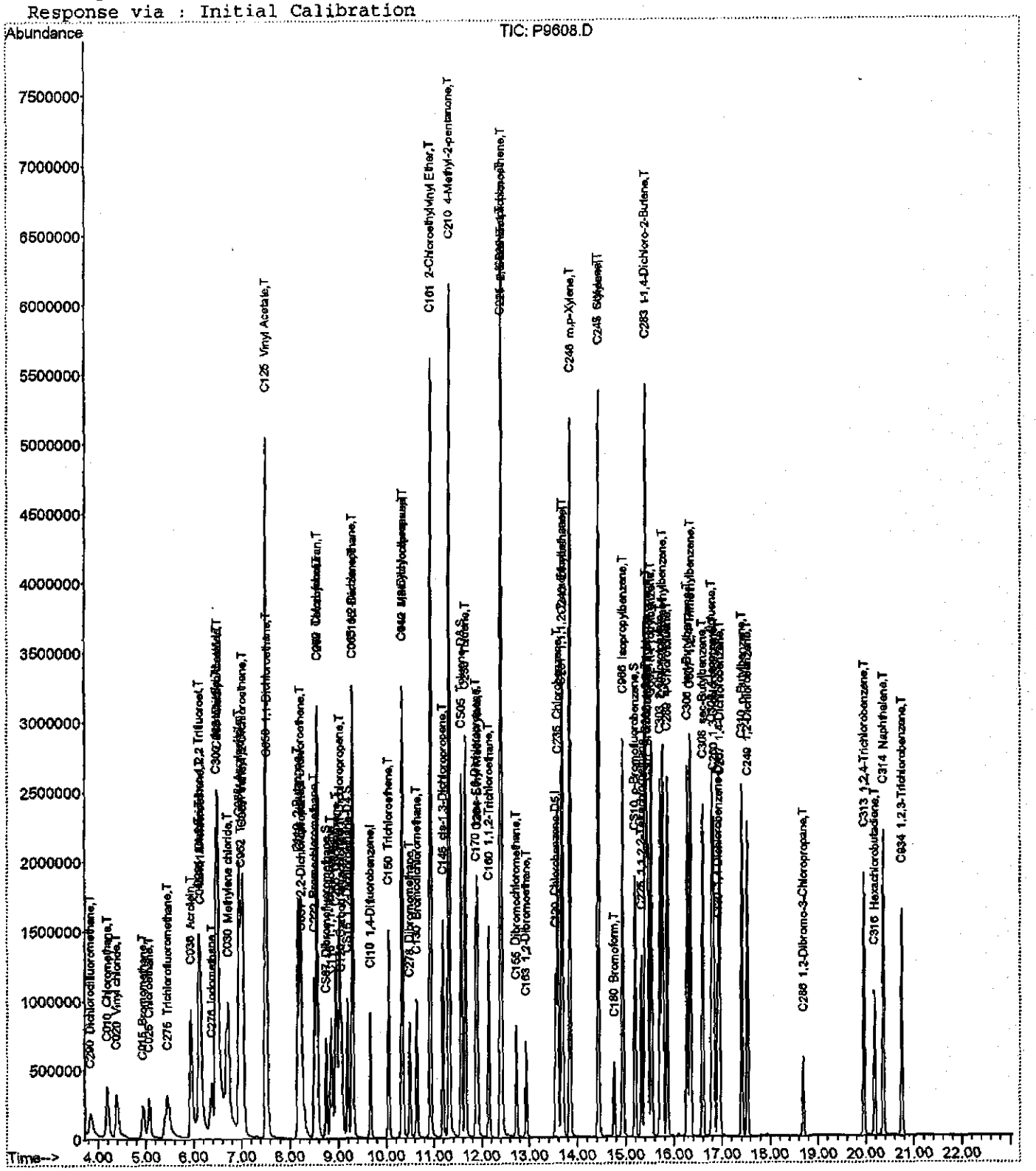
Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\P\072308\P9608.D
Acq On : 23 Jul 2008 18:06
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 24 9:01 2008

Vial: 18
Operator: LH
Inst : HP5973 P
Multiplr: 1.00

Quant Results File: A8I0000550.RES

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 09:05:25 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\P\072308\P9608.D Vial: 18
Acq On : 23 Jul 2008 18:06 Operator: LH
Sample : VSTD050 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 09:00:51 2008 Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\P\072308\P9607.D (23 Jul 2008 17:38)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	9.66	114	756548	125.00	ng		0.00 101.44%
43) CI20	Chlorobenzene-D5	13.54	117	693860	125.00	ng		0.00 101.19%
62) CI30	1,4-Dichlorobenzene-	16.91	152	354915	125.00	ng		0.00 99.68%
System Monitoring Compounds								
30) CS87	Dibromofluoromethane	8.74	111	506796	248.30	ng		0.00
Spiked Amount	125.000	Range	70 - 130	Recovery	=	198.64%#		
31) CS15	1,2-Dichloroethane-D	9.18	65	778816	240.41	ng		0.00
Spiked Amount	125.000	Range	66 - 137	Recovery	=	192.33%#		
44) CS05	Toluene-D8	11.57	98	1903615	251.25	ng		0.00
Spiked Amount	125.000	Range	71 - 126	Recovery	=	201.00%#		
61) CS10	p-Bromofluorobenzene	15.19	174	562184	248.30	ng		0.00
Spiked Amount	125.000	Range	73 - 120	Recovery	=	198.64%#		
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	3.84	85	556971m	246.14	ng		98
3) C010	Chloromethane	4.19	50	908083	235.06	ng		98
4) C020	Vinyl chloride	4.38	62	701995	247.09	ng		96
5) C015	Bromomethane	4.94	94	347762	214.61	ng		98
6) C025	Chloroethane	5.06	64	477873	239.52	ng		97
7) C275	Trichlorofluorometha	5.45	101	922738m	245.49	ng		100
8) C045	1,1-Dichloroethene	6.14	96	530834	263.23	ng	#	74
9) C030	Methylene chloride	6.72	84	684978	201.31	ng	#	69
10) C040	Carbon disulfide	6.50	76	1830387	248.63	ng		99
11) C036	Acrolein	5.93	56	1745924	4392.67	ng		94
12) C038	Acrylonitrile	6.94	53	2307365	1254.66	ng		99
13) C035	Acetone	6.10	43	1820712	1188.25	ng		98
14) C300	Acetonitrile	6.47	41	5825371	10288.18	ng		98
15) C276	Iodomethane	6.38	142	868228	256.79	ng		97
16) C291	1,1,2 Trichloro-1,2,	6.12	101	432569	249.75	ng		89
17) C962	T-butyl Methyl Ether	6.99	73	1665896	248.65	ng	#	85
18) C057	trans-1,2-Dichloroet	7.02	96	559240	252.47	ng	#	82
19) C255	Methyl Acetate	6.50	43	1412635	249.94	ng	#	85
20) C050	1,1-Dichloroethane	7.52	63	1265780	251.96	ng		97
21) C125	Vinyl Acetate	7.49	43	8956041	1326.86	ng	#	90
22) C051	2,2-Dichloropropane	8.23	77	722530	269.25	ng		97
23) C056	cis-1,2-Dichloroethe	8.20	96	611256	256.50	ng	#	80
24) C272	Tetrahydrofuran	8.55	42	1773372	1260.46	ng	#	80
25) C222	Bromochloromethane	8.50	128	279023	251.26	ng	#	63
26) C060	Chloroform	8.55	83	994373	250.80	ng		98
27) C115	1,1,1-Trichloroethan	8.84	97	851713	269.18	ng		93
28) C120	Carbon tetrachloride	9.06	117	609805	280.29	ng		97
29) C116	1,1-Dichloropropene	9.02	75	743141	258.75	ng		97
32) C165	Benzene	9.28	78	2246243	253.92	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\P\072308\P9608.D
Acq On : 23 Jul 2008 18:06
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 24 09:00:51 2008

Vial: 18
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C065	1,2-Dichloroethane	9.27	62	1054927	250.68	ng		90
34)	C110	2-Butanone	8.15	43	2974955	1277.17	ng	#	82
35)	C256	Cyclohexane	8.94	56	1247713	254.37	ng	#	74
36)	C150	Trichloroethene	10.04	95	569732	260.01	ng		98
37)	C140	1,2-Dichloropropane	10.33	63	733927	260.50	ng		93
38)	C278	Dibromomethane	10.48	93	400596	257.04	ng		96
39)	C130	Bromodichloromethane	10.63	83	719303	276.88	ng		97
40)	C161	2-Chloroethylvinyl E	10.92	63	2757171	1283.47	ng		97
41)	C012	Methylcycolhexane	10.33	83	717289	250.07	ng		88
42)	C145	cis-1,3-Dichloroprop	11.18	75	919543	272.16	ng		98
45)	C230	Toluene	11.66	92	1368064	256.89	ng		96
46)	C170	trans-1,3-Dichloropr	11.88	75	879950	280.39	ng		96
47)	C284	Ethyl Methacrylate	11.90	69	851359	274.34	ng	#	42
48)	C160	1,1,2-Trichloroethan	12.14	83	467213	258.82	ng		91
49)	C210	4-Methyl-2-pentanone	11.32	43	5725106	1261.47	ng	#	90
50)	C220	Tetrachloroethene	12.41	166	466527	254.47	ng		96
51)	C221	1,3-Dichloropropane	12.39	76	928501	256.88	ng		97
52)	C155	Dibromochloromethane	12.72	129	472294	295.70	ng		99
53)	C163	1,2-Dibromoethane	12.93	107	567943	265.39	ng		91
54)	C215	2-Hexanone	12.40	43	4027375	1281.03	ng		99
55)	C235	Chlorobenzene	13.58	112	1420982	257.00	ng		98
56)	C281	1,1,1,2-Tetrachloroe	13.67	131	456387	280.16	ng		95
57)	C240	Ethylbenzene	13.68	91	2476153	258.35	ng		99
58)	C246	m,p-Xylene	13.84	106	1779693	515.52	ng		96
59)	C247	o-Xylene	14.42	106	909018	257.17	ng		98
60)	C245	Styrene	14.43	104	1536995	262.53	ng		90
63)	C180	Bromoform	14.75	173	295534	313.92	ng		99
64)	C966	Isopropylbenzene	14.93	105	2235052	263.75	ng		94
65)	C301	Bromobenzene	15.46	156	573472	258.28	ng	#	90
66)	C225	1,1,2,2-Tetrachloroe	15.33	83	797500	260.49	ng		97
67)	C282	1,2,3-Trichloropropa	15.43	110	214115	250.20	ng		100
68)	C283	t-1,4-Dichloro-2-But	15.40	89	749188	1477.99	ng	#	74
69)	C302	n-Propylbenzene	15.53	91	2774374	258.93	ng		95
70)	C303	2-Chlorotoluene	15.71	126	544589	261.41	ng		100
71)	C289	4-Chlorotoluene	15.86	126	555726	259.87	ng		100
72)	C304	1,3,5-Trimethylbenze	15.76	105	1872692	263.90	ng	#	49
73)	C306	tert-Butylbenzene	16.27	134	346363	263.96	ng		100
74)	C307	1,2,4-Trimethylbenze	16.34	105	1905241	262.62	ng		98
75)	C308	sec-Butylbenzene	16.60	105	2036465	263.81	ng		98
76)	C260	1,3-Dichlorobenzene	16.82	146	1050065	253.41	ng		97
77)	C309	4-Isopropyltoluene	16.79	119	1769786	264.87	ng		98
78)	C267	1,4-Dichlorobenzene	16.95	146	1086186	250.67	ng		97
79)	C249	1,2-Dichlorobenzene	17.53	146	1078694	258.53	ng		97
80)	C310	n-Butylbenzene	17.41	91	1724623	264.43	ng		98
81)	C286	1,2-Dibromo-3-Chloro	18.68	75	165413	293.48	ng		99
82)	C313	1,2,4-Trichlorobenze	19.96	180	705124	255.78	ng		99
83)	C316	Hexachlorobutadiene	20.18	225	254790	246.77	ng		97
84)	C314	Naphthalene	20.36	128	2063933	267.89	ng		100
85)	C934	1,2,3-Trichlorobenze	20.74	180	650000	256.17	ng		99

(#) = qualifier out of range (m) = manual integration

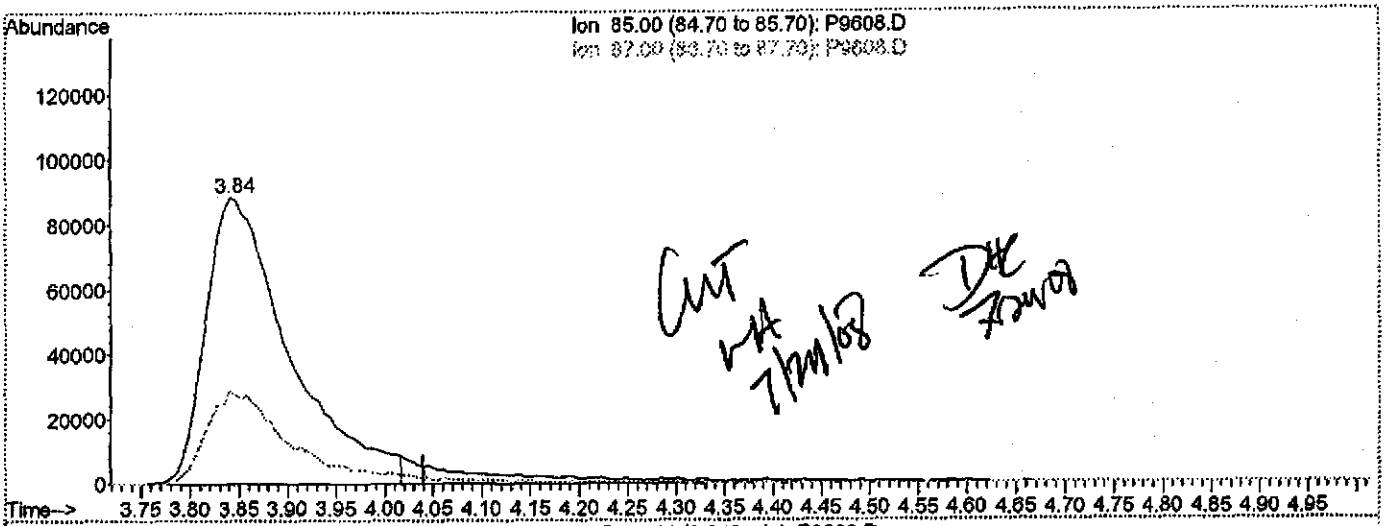
Quantitation Report (Qedit)

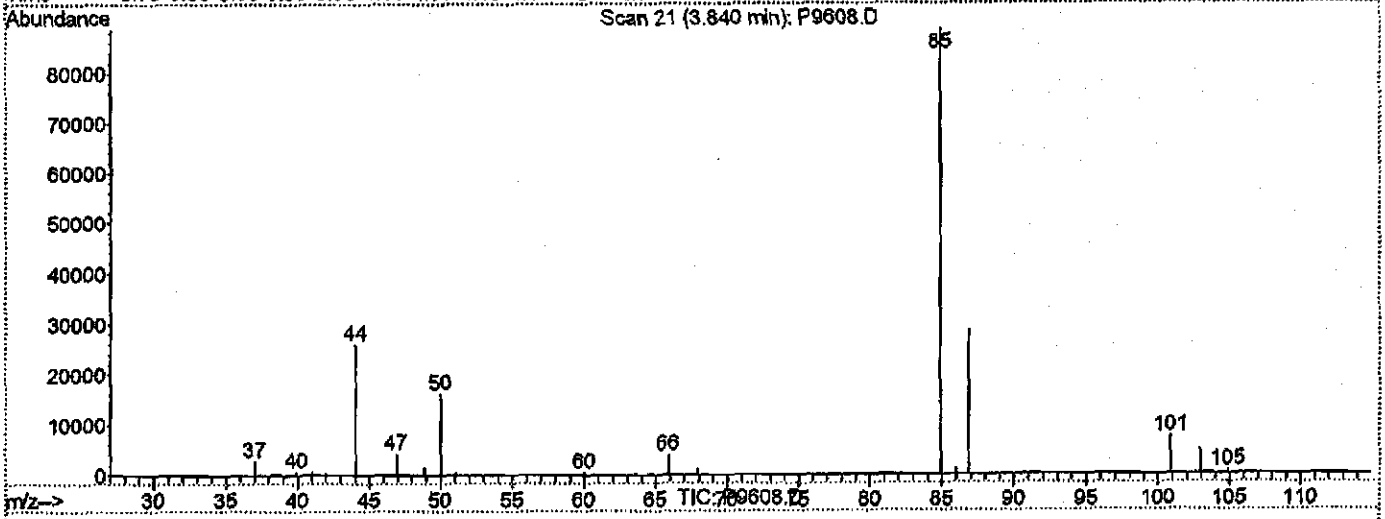
Data File : H:\GCMS_VOA\P\072308\P9608.D
Acq On : 23 Jul 2008 18:06
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 24 9:00 2008

Vial: 18
Operator: LH
Inst : HP5973 P
Multiplr: 1.00

Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Multiple Level Calibration





(2) C290 Dichlorodifluoromethane (T)

3.84min 234.14ng

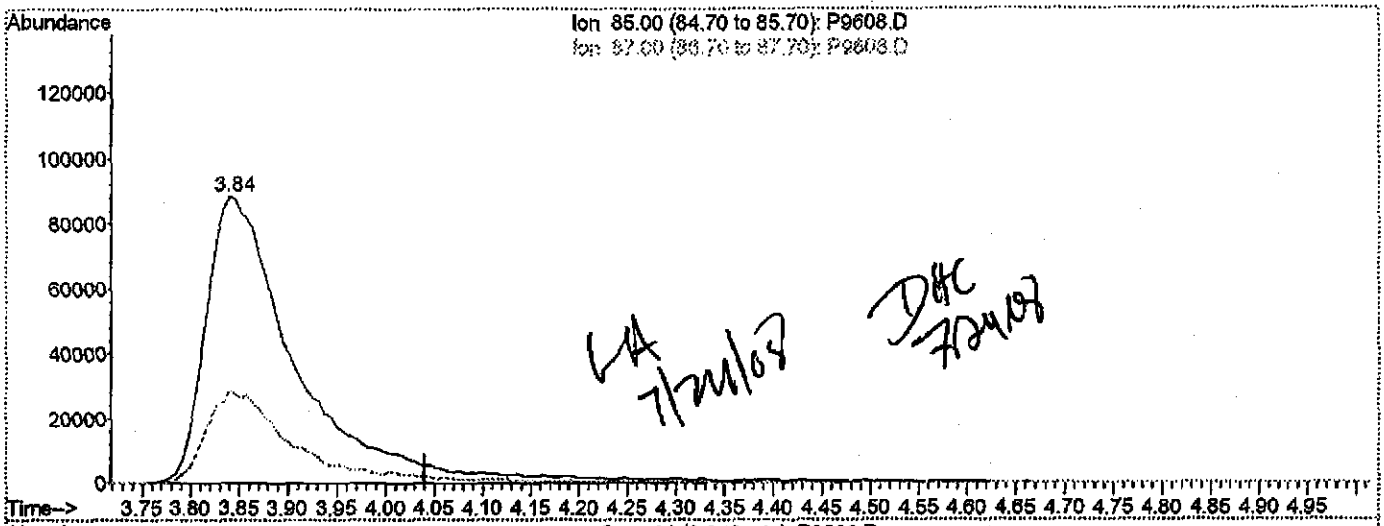
response 529823

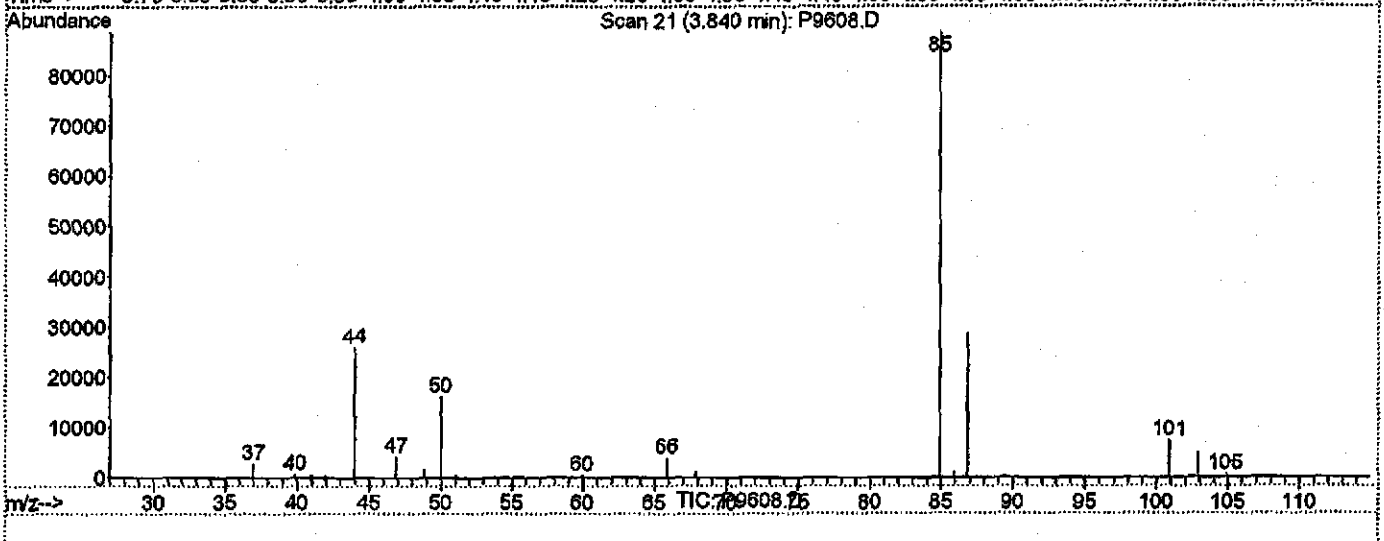
Ion	Exp%	Act%
85.00	100	100
87.00	31.20	32.30
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\072308\P9608.D Vial: 18
Acq On : 23 Jul 2008 18:06 Operator: LH
Sample : VSTD050 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 9:00 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Multiple Level Calibration





(2) C290 Dichlorodifluoromethane (T)

3.84min 246.14ng m

response 556971

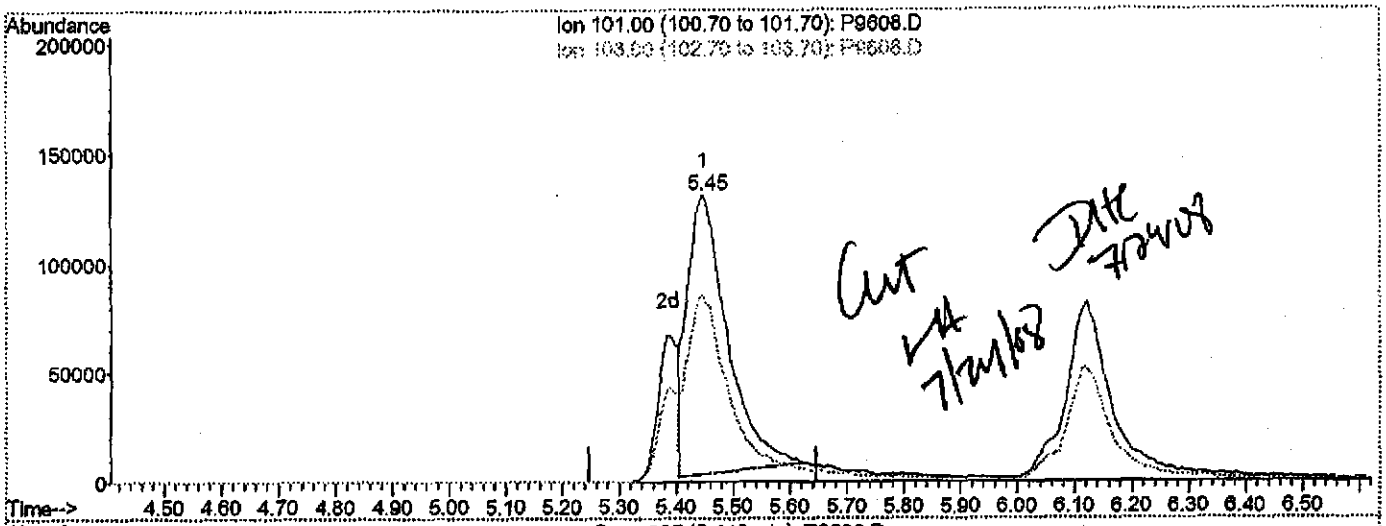
Ion	Exp%	Act%
85.00	100	100
87.00	31.20	32.30
0.00	0.00	0.00
0.00	0.00	0.00

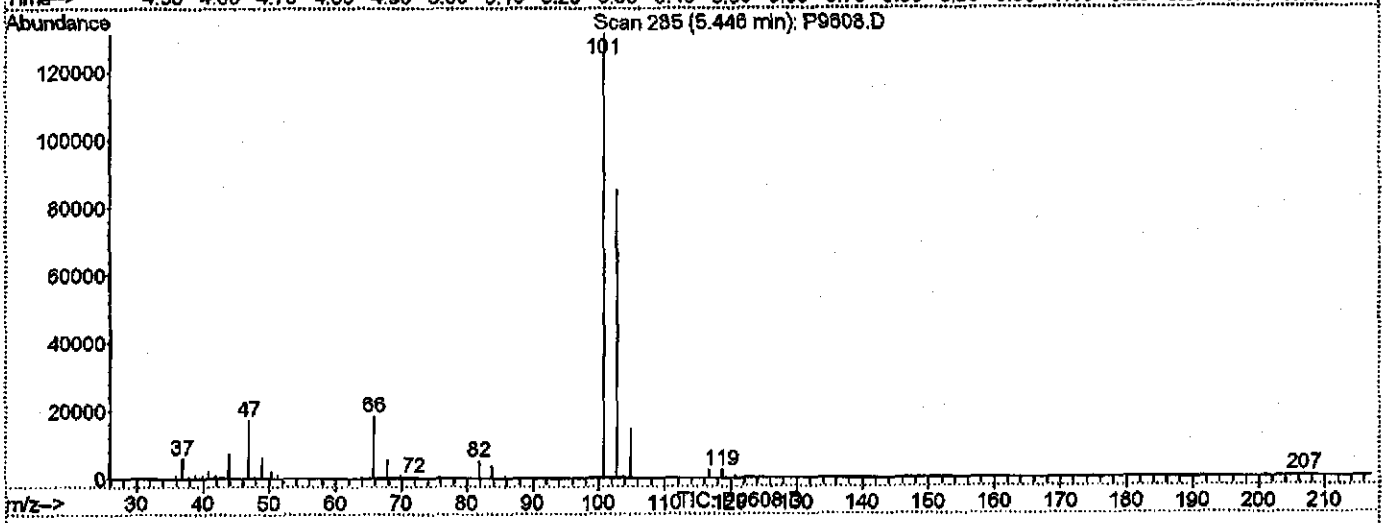
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\072308\P9608.D
Acq On : 23 Jul 2008 18:06
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 24 9:00 2008

Vial: 18
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

5.45min 166.52ng

response 625912

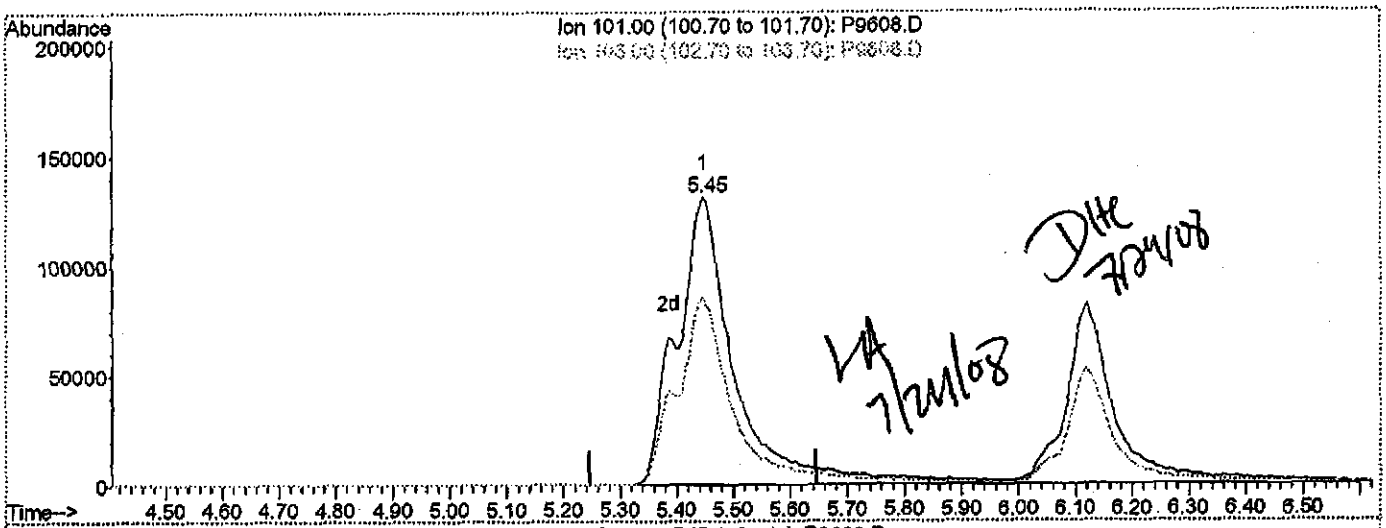
Ion	Exp%	Act%
101.00	100	100
103.00	65.20	65.09
0.00	0.00	0.00
0.00	0.00	0.00

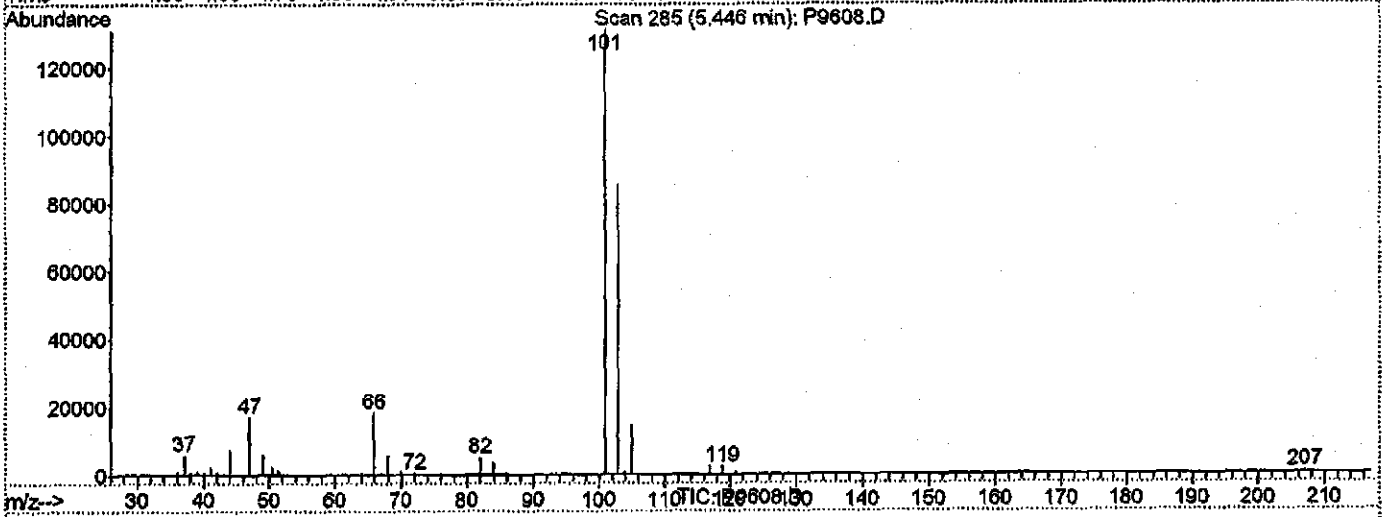
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\072308\P9608.D
Acq On : 23 Jul 2008 18:06
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 24 9:01 2008

Vial: 18
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

5.45min 245.49ng m

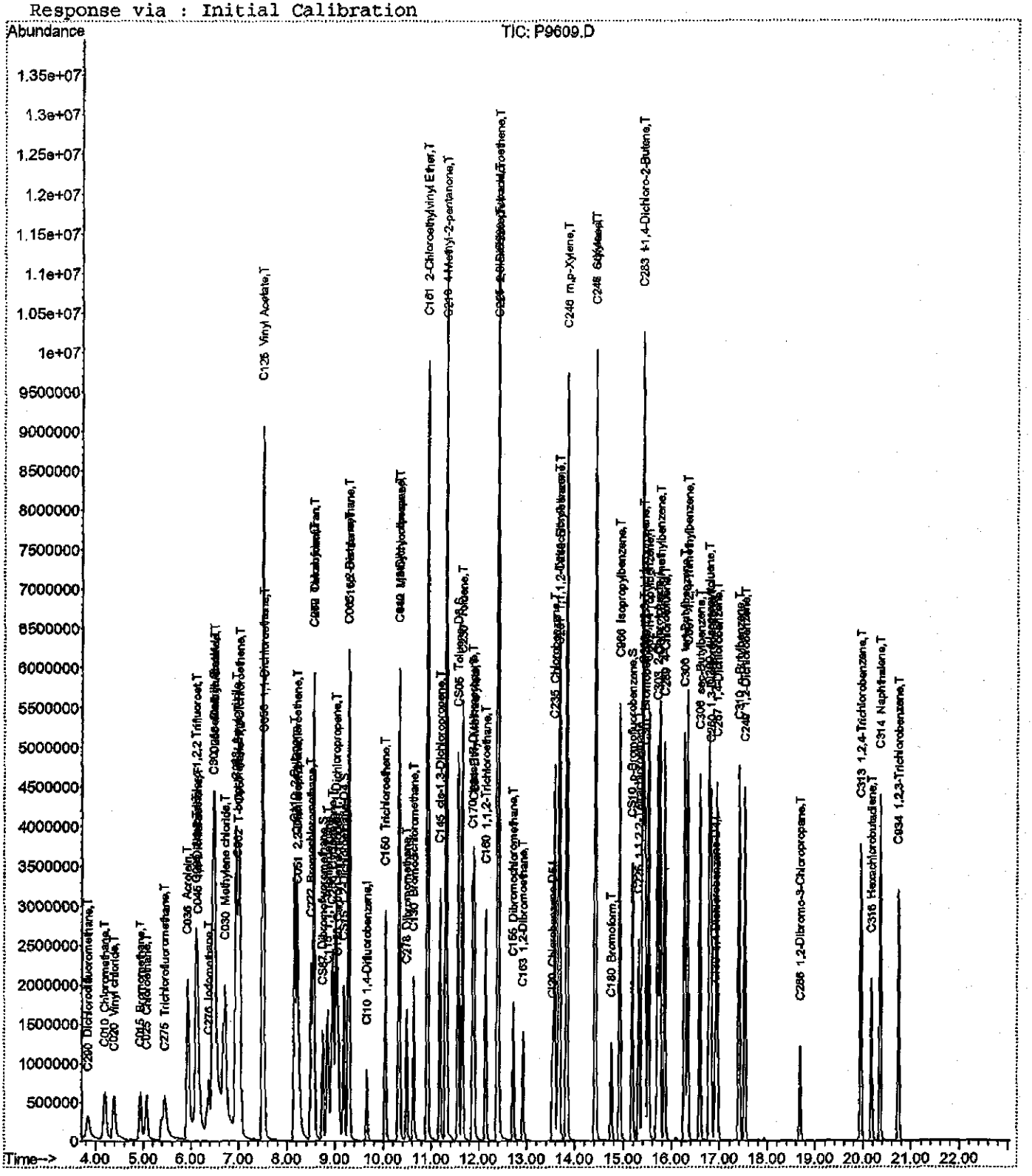
response 922738

Ion	Exp%	Act%
101.00	100	100
103.00	65.20	65.09
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\P\072308\P9609.D Vial: 19
Acq On : 23 Jul 2008 18:34 Operator: LH
Sample : VSTD100 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 9:01 2008 Quant Results File: A8I0000550.RES

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 09:05:25 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\P\072308\P9609.D Vial: 19
Acq On : 23 Jul 2008 18:34 Operator: LH
Sample : VSTD100 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 09:01:35 2008 Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\P\072308\P9607.D (23 Jul 2008 17:38)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	9.66	114	758039	125.00	ng		0.00 101.64%
43) CI20	Chlorobenzene-D5	13.54	117	701169	125.00	ng		0.00 102.26%
62) CI30	1,4-Dichlorobenzene-	16.91	152	360886	125.00	ng		0.00 101.36%
System Monitoring Compounds								
30) CS87	Dibromofluoromethane	8.74	111	1008203	492.98	ng		0.00
Spiked Amount	125.000	Range	70 - 130	Recovery	=	394.38%#		
31) CS15	1,2-Dichloroethane-D	9.18	65	1539412	474.25	ng		0.00
Spiked Amount	125.000	Range	66 - 137	Recovery	=	379.40%#		
44) CS05	Toluene-D8	11.57	98	3673524	479.80	ng		0.00
Spiked Amount	125.000	Range	71 - 126	Recovery	=	383.84%#		
61) CS10	p-Bromofluorobenzene	15.19	174	1079119	471.65	ng		0.00
Spiked Amount	125.000	Range	73 - 120	Recovery	=	377.32%#		
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	3.85	85	988570m	436.01	ng		99
3) C010	Chloromethane	4.20	50	1699442	439.04	ng		99
4) C020	Vinyl chloride	4.39	62	1335366	469.10	ng		98
5) C015	Bromomethane	4.94	94	852366	524.98	ng		98
6) C025	Chloroethane	5.07	64	952837	476.63	ng		97
7) C275	Trichlorofluorometha	5.45	101	1743385m	462.91	ng		100
8) C045	1,1-Dichloroethene	6.15	96	1020463	505.04	ng	#	69
9) C030	Methylene chloride	6.72	84	1337456	392.30	ng	#	70
10) C040	Carbon disulfide	6.50	76	3570079	483.99	ng		99
11) C036	Acrolein	5.93	56	3980594	9995.31	ng		94
12) C038	Acrylonitrile	6.94	53	4670841	2534.83	ng		98
13) C035	Acetone	6.10	43	3539588	2305.50	ng		100
14) C300	Acetonitrile	6.46	41	11015967	19417.02	ng		98
15) C276	Iodomethane	6.38	142	1723951	508.88	ng		98
16) C291	1,1,2 Trichloro-1,2,	6.12	101	754670	434.86	ng		89
17) C962	T-butyl Methyl Ether	6.99	73	3456942	514.97	ng	#	84
18) C057	trans-1,2-Dichloroet	7.02	96	1124917	506.84	ng	#	81
19) C255	Methyl Acetate	6.50	43	2838069	501.16	ng	#	85
20) C050	1,1-Dichloroethane	7.52	63	2533742	503.37	ng		97
21) C125	Vinyl Acetate	7.49	43	17102872	2528.86	ng	#	91
22) C051	2,2-Dichloropropane	8.23	77	1455814	541.44	ng		95
23) C056	cis-1,2-Dichloroethe	8.20	96	1214575	508.68	ng	#	83
24) C272	Tetrahydrofuran	8.55	42	3470951	2462.20	ng	#	82
25) C222	Bromochloromethane	8.50	128	572193	514.24	ng	#	68
26) C060	Chloroform	8.55	83	1941304	488.66	ng		98
27) C115	1,1,1-Trichloroethan	8.84	97	1741571	549.32	ng		94
28) C120	Carbon tetrachloride	9.06	117	1290394	591.96	ng		99
29) C116	1,1-Dichloropropene	9.02	75	1463514	508.58	ng		97
32) C165	Benzene	9.29	78	4403064	496.76	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\P\072308\P9609.D Vial: 19
Acq On : 23 Jul 2008 18:34 Operator: LH
Sample : VSTD100 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 09:01:35 2008 Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C065	1,2-Dichloroethane	9.27	62	2070629	491.07	ng		88
34)	C110	2-Butanone	8.15	43	5910756	2532.54	ng	#	83
35)	C256	Cyclohexane	8.94	56	2343155	476.75	ng	#	72
36)	C150	Trichloroethene	10.04	95	1133555	516.31	ng		98
37)	C140	1,2-Dichloropropane	10.33	63	1453397	514.85	ng		90
38)	C278	Dibromomethane	10.48	93	809071	518.11	ng		97
39)	C130	Bromodichloromethane	10.63	83	1527602	586.86	ng		97
40)	C161	2-Chloroethylvinyl E	10.92	63	5311132	2467.47	ng		94
41)	C012	Methylcycolhexane	10.33	83	1325334	461.15	ng		88
42)	C145	cis-1,3-Dichloroprop	11.18	75	1897156	560.40	ng		98
45)	C230	Toluene	11.66	92	2728503	507.00	ng		95
46)	C170	trans-1,3-Dichloropr	11.87	75	1811225	571.11	ng		96
47)	C284	Ethyl Methacrylate	11.90	69	1739128	554.57	ng	#	45
48)	C160	1,1,2-Trichloroethan	12.14	83	934266	512.16	ng		90
49)	C210	4-Methyl-2-pentanone	11.32	43	10774495	2349.31	ng	#	85
50)	C220	Tetrachloroethene	12.41	166	884794	477.59	ng		94
51)	C221	1,3-Dichloropropane	12.39	76	1760140	481.88	ng		98
52)	C155	Dibromochloromethane	12.72	129	1047612	649.07	ng		99
53)	C163	1,2-Dibromoethane	12.93	107	1153471	533.38	ng		95
54)	C215	2-Hexanone	12.40	43	7279420	2291.30	ng		95
55)	C235	Chlorobenzene	13.58	112	2821420	504.96	ng		97
56)	C281	1,1,1,2-Tetrachloroe	13.67	131	956349	580.94	ng		96
57)	C240	Ethylbenzene	13.68	91	4829064	498.60	ng		98
58)	C246	m,p-Xylene	13.84	106	3472834	995.48	ng		99
59)	C247	o-Xylene	14.42	106	1787938	500.55	ng		99
60)	C245	Styrene	14.43	104	2983164	504.24	ng		90
63)	C180	Bromoform	14.75	173	704548	736.01	ng		99
64)	C966	Isopropylbenzene	14.93	105	4422794	513.29	ng		94
65)	C301	Bromobenzene	15.46	156	1138433	504.24	ng	#	89
66)	C225	1,1,2,2-Tetrachloroe	15.33	83	1604493	515.41	ng		98
67)	C282	1,2,3-Trichloropropa	15.43	110	417338	479.60	ng		100
68)	C283	t-1,4-Dichloro-2-But	15.40	89	1556822	3020.47	ng	#	68
69)	C302	n-Propylbenzene	15.53	91	5470465	502.10	ng		96
70)	C303	2-Chlorotoluene	15.71	126	1084897	512.15	ng		100
71)	C289	4-Chlorotoluene	15.86	126	1107226	509.19	ng		100
72)	C304	1,3,5-Trimethylbenze	15.76	105	3704926	513.46	ng	#	47
73)	C306	tert-Butylbenzene	16.27	134	703811	527.49	ng		100
74)	C307	1,2,4-Trimethylbenze	16.34	105	3761666	509.94	ng		97
75)	C308	sec-Butylbenzene	16.60	105	4047751	515.69	ng		98
76)	C260	1,3-Dichlorobenzene	16.82	146	2088712	495.73	ng		97
77)	C309	4-Isopropyltoluene	16.79	119	3531920	519.85	ng		98
78)	C267	1,4-Dichlorobenzene	16.95	146	2162342	490.76	ng		98
79)	C249	1,2-Dichlorobenzene	17.53	146	2158603	508.80	ng		97
80)	C310	n-Butylbenzene	17.41	91	3400559	512.76	ng		98
81)	C286	1,2-Dibromo-3-Chloro	18.68	75	363073	633.53	ng		97
82)	C313	1,2,4-Trichlorobenze	19.96	180	1430354	510.26	ng		100
83)	C316	Hexachlorobutadiene	20.17	225	515717	491.21	ng		95
84)	C314	Naphthalene	20.36	128	4188149	534.61	ng		99
85)	C934	1,2,3-Trichlorobenze	20.74	180	1297468	502.87	ng		99

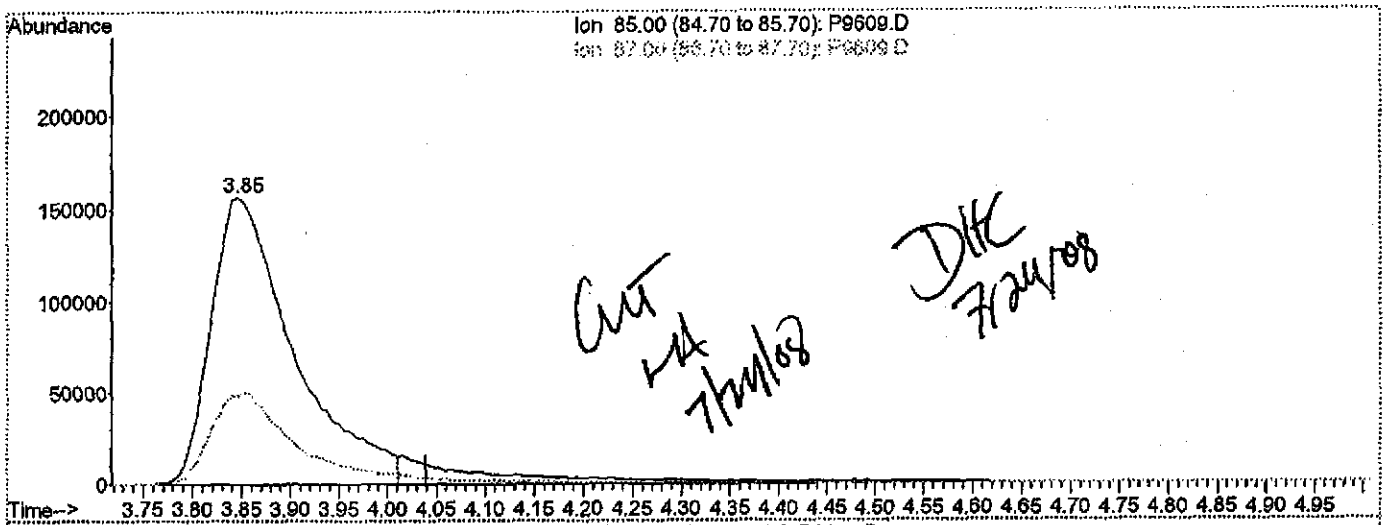
(#) = qualifier out of range (m) = manual integration

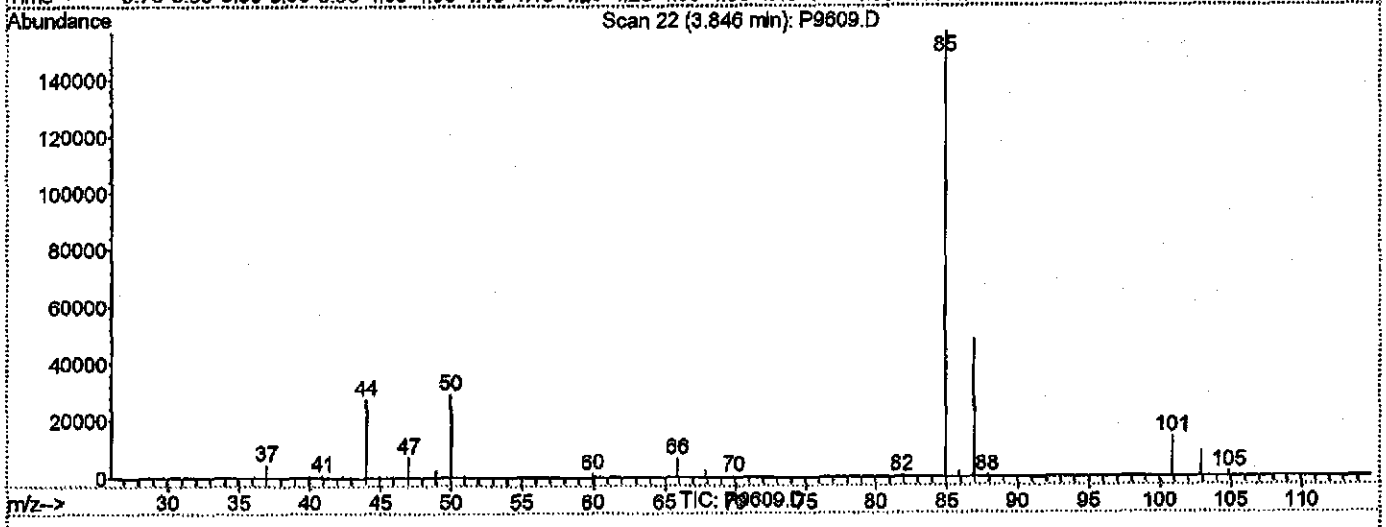
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\072308\P9609.D
Acq On : 23 Jul 2008 18:34
Sample : VSTD100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 24 9:01 2008

Vial: 19
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Multiple Level Calibration





(2) C290 Dichlorodifluoromethane (T)

3.85min 407.86ng

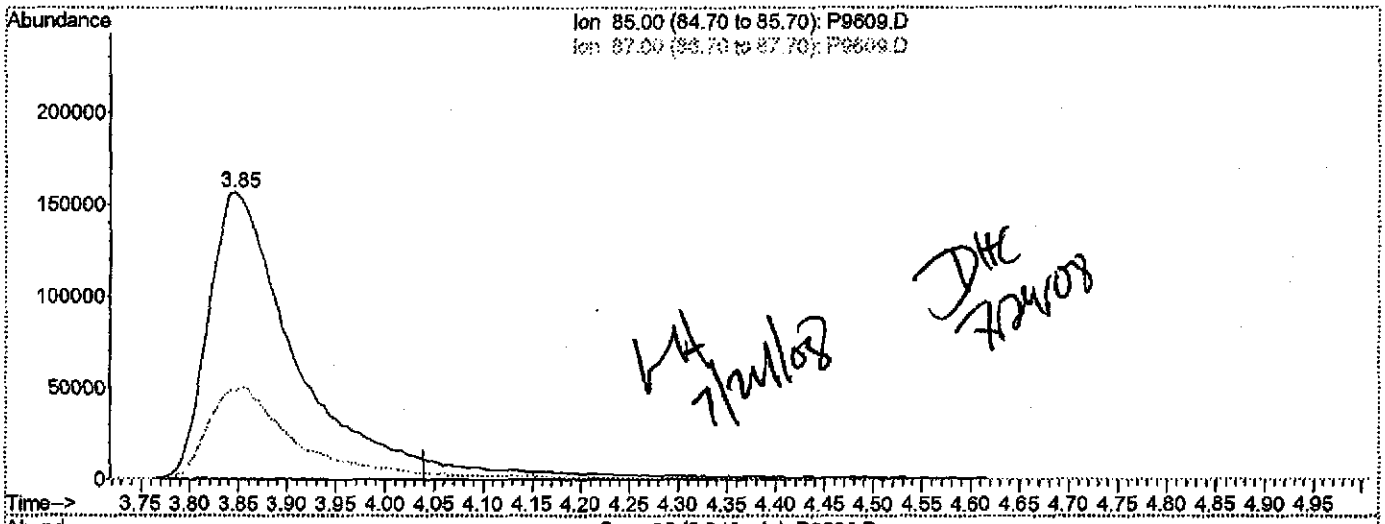
response 924757

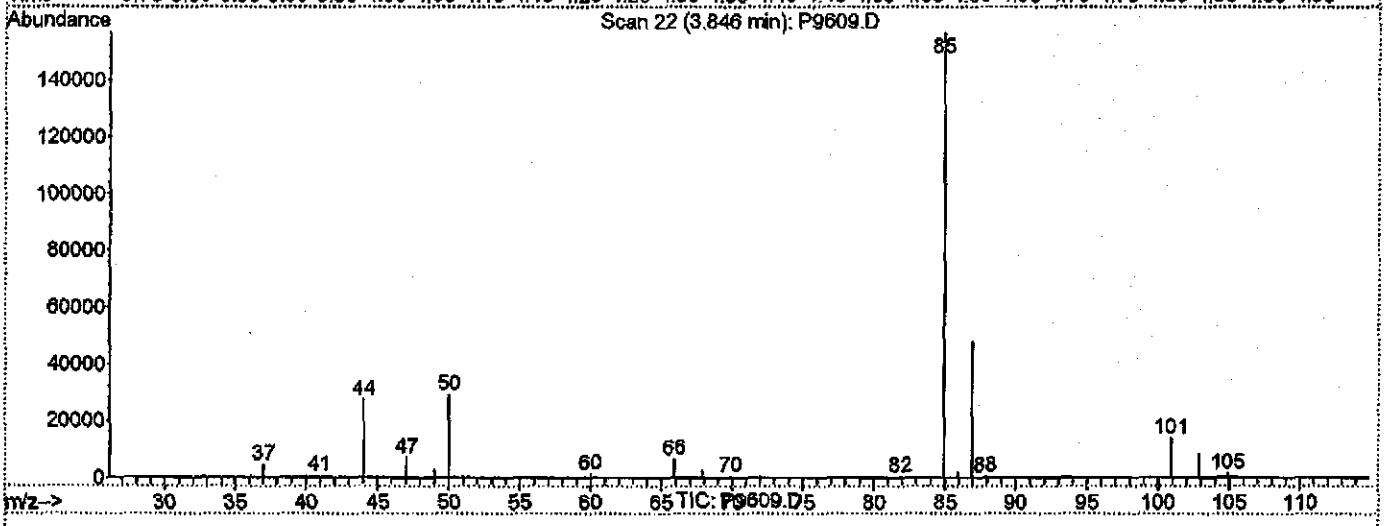
Ion	Exp%	Act%
85.00	100	100
87.00	31.20	30.61
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\072308\P9609.D Vial: 19
Acq On : 23 Jul 2008 18:34 Operator: LH
Sample : VSTD100 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 9:01 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Multiple Level Calibration





(2) C290 Dichlorodifluoromethane (T)

3.85min 436.01ng m

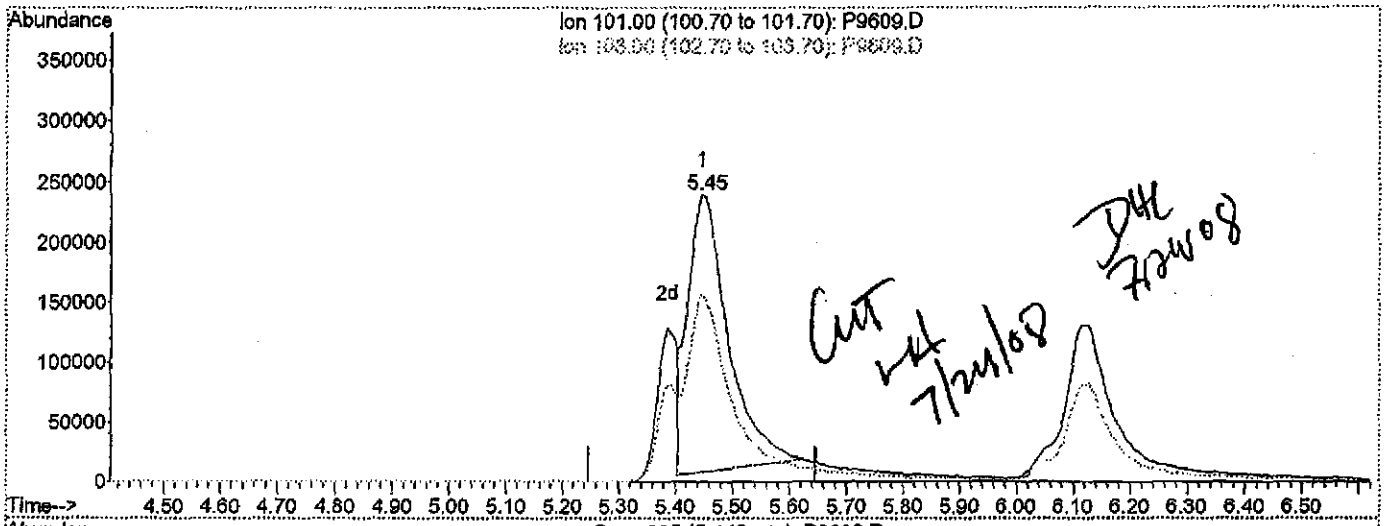
response 988570

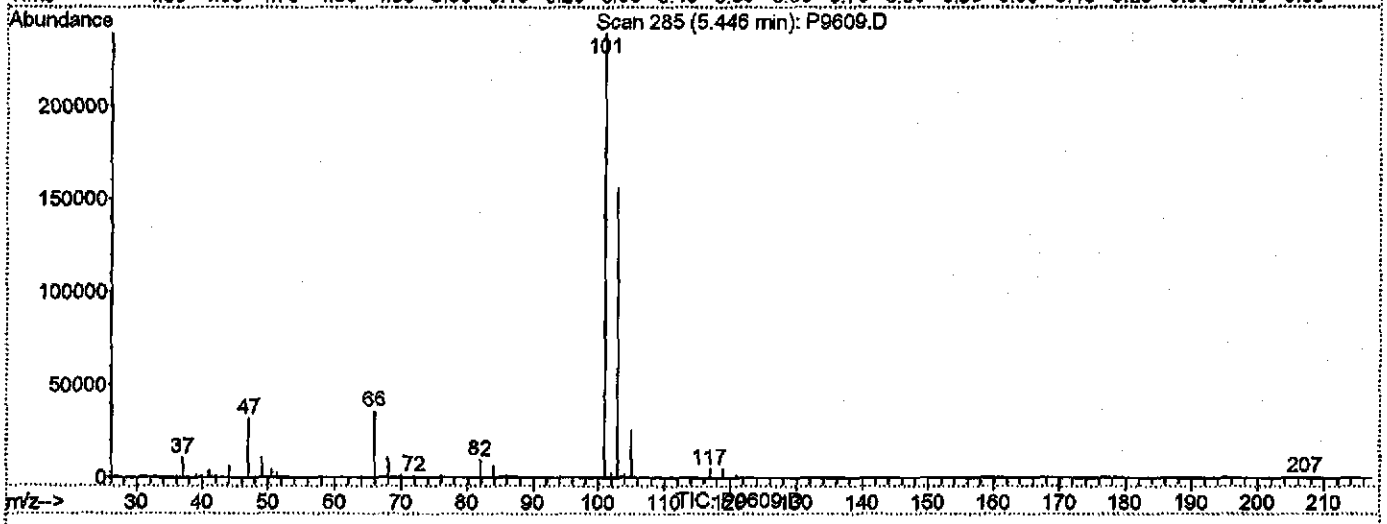
Ion	Exp%	Act%
85.00	100	100
87.00	31.20	30.61
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\072308\P9609.D Vial: 19
Acq On : 23 Jul 2008 18:34 Operator: LH
Sample : VSTD100 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 9:01 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

5.45min 303.61ng

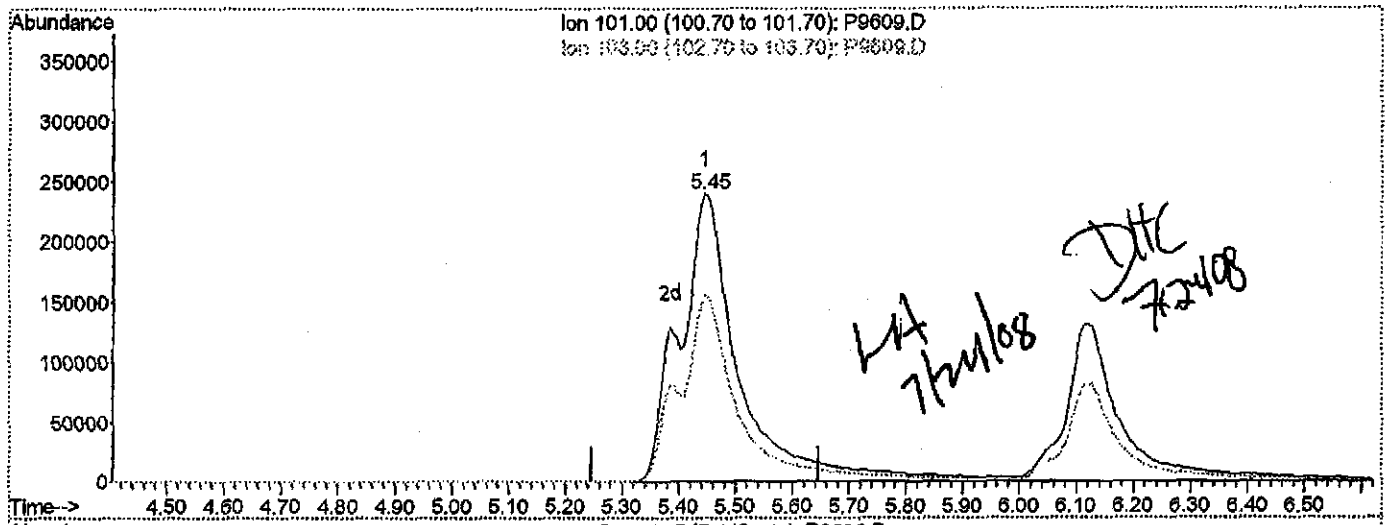
response 1143428

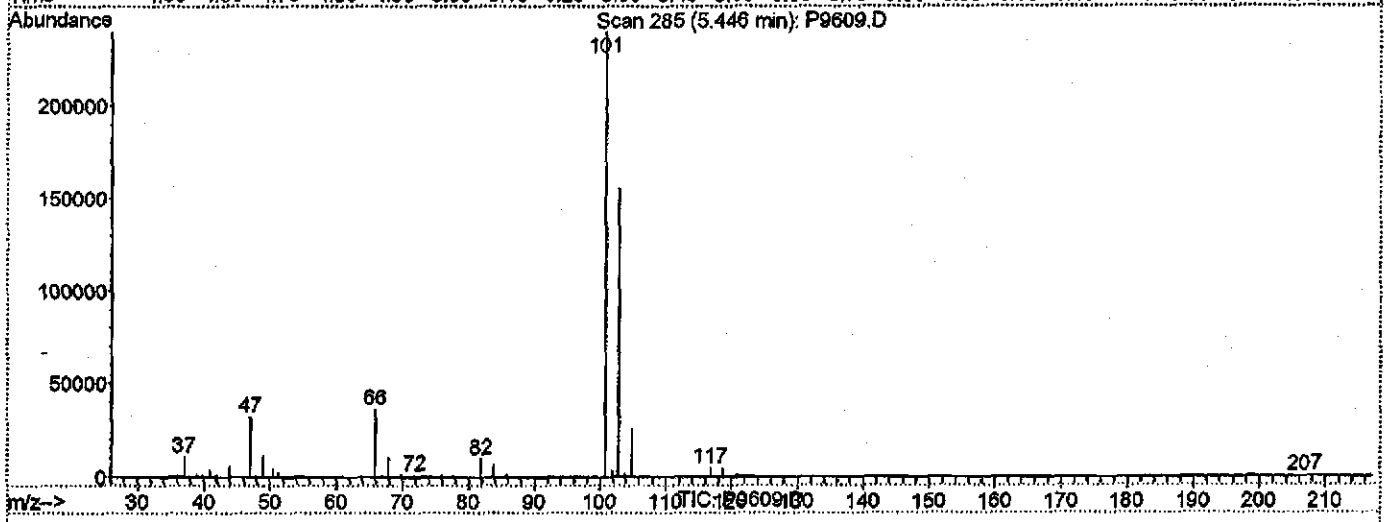
Ion	Exp%	Act%
101.00	100	100
103.00	65.20	64.91
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\072308\P9609.D Vial: 19
Acq On : 23 Jul 2008 18:34 Operator: LH
Sample : VSTD100 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 9:01 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 08:50:40 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

5.45min 462.91ng m

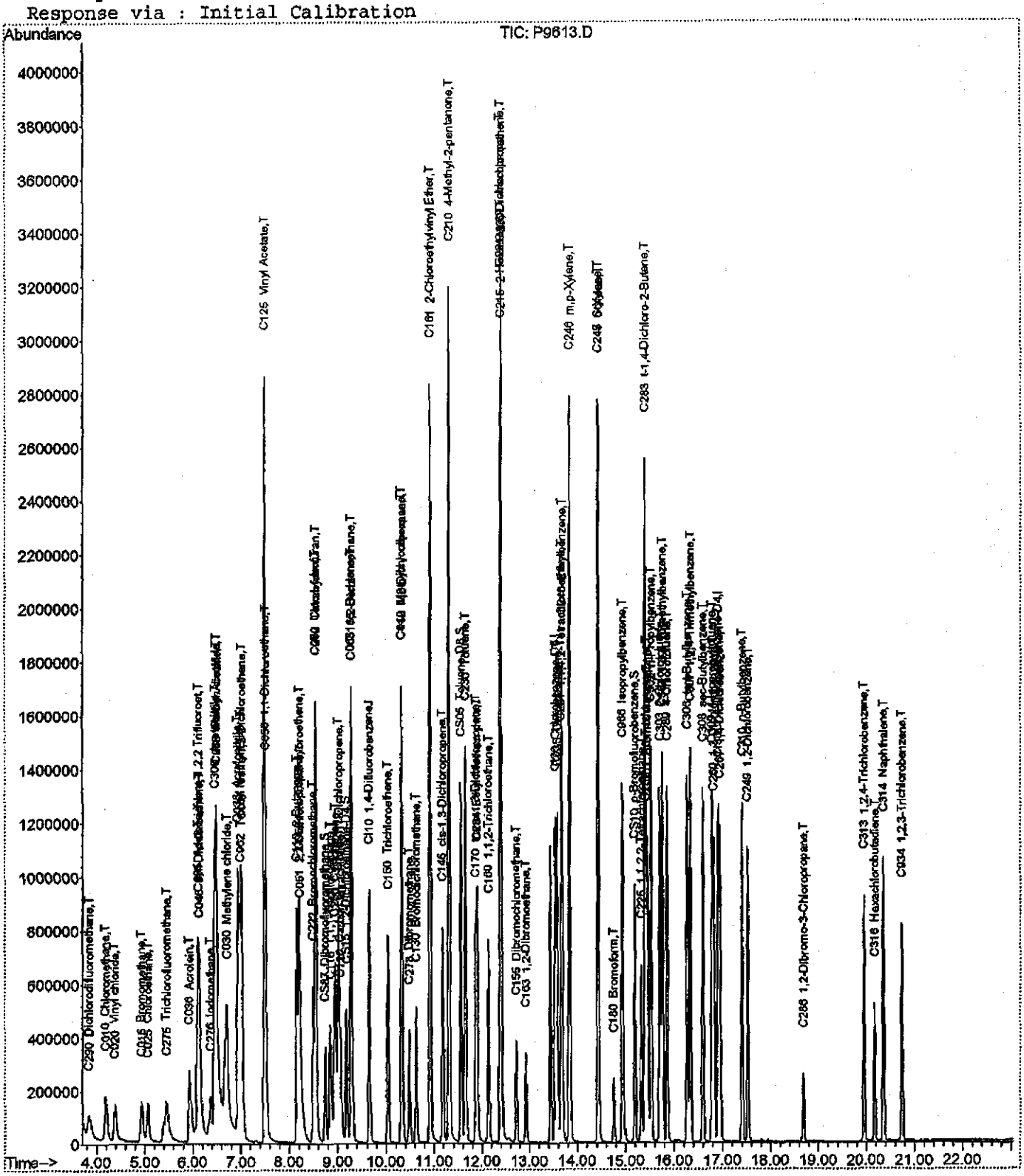
response 1743385

Ion	Exp%	Act%
101.00	100	100
103.00	65.20	64.91
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\P\072408\P9613.D Vial: 2
Acq On : 24 Jul 2008 11:06 Operator: LH
Sample : MSB/SSCAL Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 11:40 2008 Quant Results File: A8I0000550.RES

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 11:40:20 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\P\072408\P9613.D Vial: 2
Acq On : 24 Jul 2008 11:06 Operator: LH
Sample : MSB/SSCAL Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 11:40:26 2008 Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 11:40:20 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\P\072408\P9612.D (24 Jul 2008 10:27)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	9.65	114	781728	125.00	ng		0.00 97.50%
43) CI20	Chlorobenzene-D5	13.54	117	716158	125.00	ng		0.00 97.15%
62) CI30	1,4-Dichlorobenzene-	16.91	152	362969	125.00	ng		0.00 95.48%
System Monitoring Compounds								
30) CS87	Dibromofluoromethane	8.74	111	258800	122.71	ng		0.00
Spiked Amount	125.000	Range	70 - 130	Recovery =	98.17%			
31) CS15	1,2-Dichloroethane-D	9.18	65	392206	117.17	ng		0.00
Spiked Amount	125.000	Range	66 - 137	Recovery =	93.74%			
44) CS05	Toluene-D8	11.56	98	978118	125.08	ng		0.00
Spiked Amount	125.000	Range	71 - 126	Recovery =	100.06%			
61) CS10	p-Bromofluorobenzene	15.19	174	285298	122.09	ng		0.00
Spiked Amount	125.000	Range	73 - 120	Recovery =	97.67%			
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	3.85	85	276411m	118.08	ng		97
3) C010	Chloromethane	4.19	50	403421	101.12	ng		100
4) C020	Vinyl chloride	4.38	62	329210	112.14	ng		100
5) C015	Bromomethane	4.93	94	198985	118.98	ng		98
6) C025	Chloroethane	5.06	64	241977	117.47	ng		95
7) C275	Trichlorofluorometha	5.44	101	451424m	116.30	ng		94
8) C045	1,1-Dichloroethene	6.14	96	278756	133.51	ng	#	76
9) C030	Methylene chloride	6.71	84	356616	122.97	ng	#	68
10) C040	Carbon disulfide	6.49	76	895479	117.36	ng		100
11) C036	Acrolein	5.93	56	533791	1298.19	ng		98
12) C038	Acrylonitrile	6.93	53	1179193	620.44	ng		99
13) C035	Acetone	6.10	43	934218	587.61	ng		99
14) C300	Acetonitrile	6.46	41	3155181	5346.54	ng		99
15) C276	Iodomethane	6.37	142	357567	102.38	ng		98
16) C291	1,1,2 Trichloro-1,2,	6.12	101	222948	124.58	ng		92
17) C962	T-butyl Methyl Ether	6.99	73	930518	134.39	ng	#	84
18) C057	trans-1,2-Dichloroet	7.02	96	297386	129.93	ng	#	81
19) C255	Methyl Acetate	6.49	43	526317	89.97	ng	#	86
20) C050	1,1-Dichloroethane	7.51	63	663472	127.82	ng		97
21) C125	Vinyl Acetate	7.48	43	5051085	723.83	ng	#	90
22) C051	2,2-Dichloropropane	8.22	77	399675	133.78	ng		98
23) C056	cis-1,2-Dichloroethe	8.20	96	317778	129.06	ng	#	81
24) C272	Tetrahydrofuran	8.55	42	930161	639.47	ng	#	80
25) C222	Bromochloromethane	8.49	128	143731	125.26	ng	#	68
26) C060	Chloroform	8.54	83	523386	127.75	ng		98
27) C115	1,1,1-Trichloroethan	8.84	97	445806	126.50	ng		94
28) C120	Carbon tetrachloride	9.05	117	317790	127.00	ng		97
29) C116	1,1-Dichloropropene	9.02	75	394980	133.10	ng		95
32) C165	Benzene	9.28	78	1172261	128.25	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\P\072408\P9613.D Vial: 2
Acq On : 24 Jul 2008 11:06 Operator: LH
Sample : MSB/SSCAL Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 11:40:26 2008 Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 11:40:20 2008
Response via : Initial Calibration
DataAcq Meth : VOA

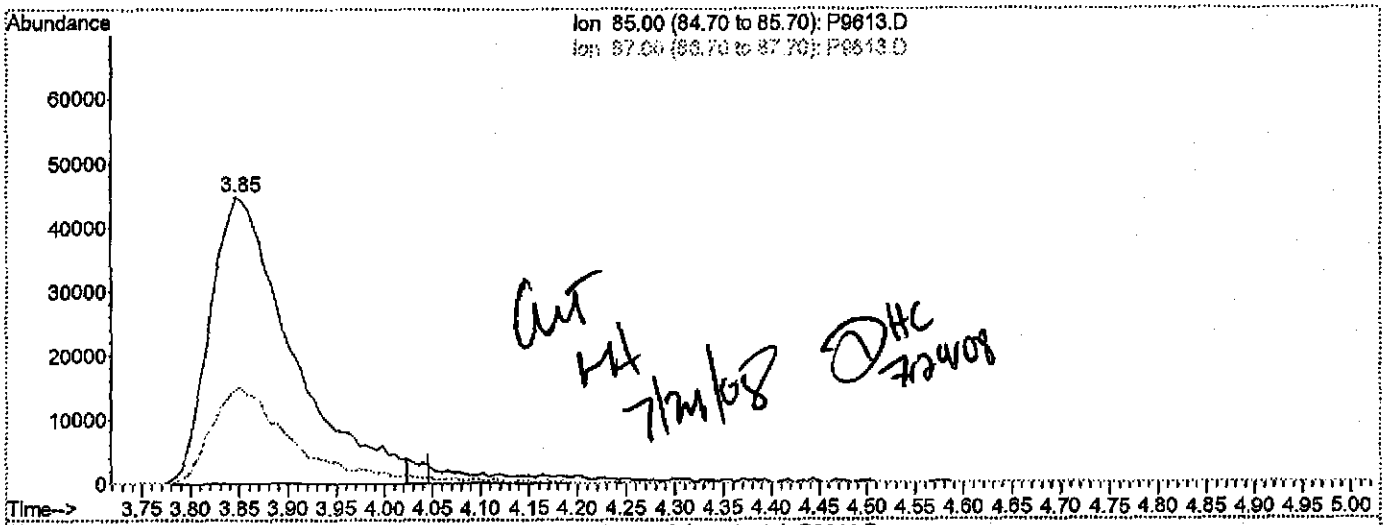
	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C065	1,2-Dichloroethane	9.27	62	548647	126.17	ng		88
34)	C110	2-Butanone	8.15	43	1497986	621.65	ng	#	82
35)	C256	Cyclohexane	8.94	56	628364	123.98	ng	#	74
36)	C150	Trichloroethene	10.03	95	301468	133.15	ng		99
37)	C140	1,2-Dichloropropane	10.32	63	378491	130.01	ng		92
38)	C278	Dibromomethane	10.48	93	204228	126.82	ng		97
39)	C130	Bromodichloromethane	10.62	83	369961	125.00	ng		96
40)	C161	2-Chloroethylvinyl E	10.92	63	1358643	612.03	ng		98
41)	C012	Methylcycolhexane	10.32	83	372131	125.56	ng		85
42)	C145	cis-1,3-Dichloroprop	11.18	75	474557	125.47	ng		99
45)	C230	Toluene	11.65	92	706475	128.53	ng		100
46)	C170	trans-1,3-Dichloropr	11.87	75	435860	122.28	ng		97
47)	C284	Ethyl Methacrylate	11.90	69	437335	125.93	ng	#	42
48)	C160	1,1,2-Trichloroethan	12.14	83	238837	128.19	ng		90
49)	C210	4-Methyl-2-pentanone	11.31	43	2903057	619.67	ng	#	91
50)	C220	Tetrachloroethene	12.41	166	233486	123.39	ng		97
51)	C221	1,3-Dichloropropane	12.38	76	479295	128.47	ng		96
52)	C155	Dibromochloromethane	12.72	129	226840	119.93	ng		99
53)	C163	1,2-Dibromoethane	12.92	107	284949	129.01	ng		93
54)	C215	2-Hexanone	12.39	43	2059950	634.54	ng		98
55)	C235	Chlorobenzene	13.58	112	714298	125.16	ng		99
56)	C281	1,1,1,2-Tetrachloroe	13.66	131	229531	123.29	ng		97
57)	C240	Ethylbenzene	13.68	91	1287856	130.19	ng		99
58)	C246	m,p-Xylene	13.84	106	928200	260.50	ng		98
59)	C247	o-Xylene	14.42	106	471037	129.11	ng		95
60)	C245	Styrene	14.43	104	797647	132.00	ng		86
63)	C180	Bromoform	14.75	173	136012	117.79	ng		99
64)	C966	Isopropylbenzene	14.92	105	1045817	120.68	ng		95
65)	C301	Bromobenzene	15.45	156	291444	128.35	ng		92
66)	C225	1,1,2,2-Tetrachloroe	15.32	83	411328	131.37	ng		97
67)	C282	1,2,3-Trichloropropa	15.43	110	100077	114.35	ng		100
68)	C283	t-1,4-Dichloro-2-But	15.40	89	339901	577.24	ng	#	76
69)	C302	n-Propylbenzene	15.53	91	1406560	128.36	ng		96
70)	C303	2-Chlorotoluene	15.71	126	274809	128.98	ng		100
71)	C289	4-Chlorotoluene	15.86	126	276313	126.34	ng		100
72)	C304	1,3,5-Trimethylbenze	15.76	105	946525	130.42	ng	#	49
73)	C306	tert-Butylbenzene	16.27	134	176802	131.75	ng		100
74)	C307	1,2,4-Trimethylbenze	16.34	105	982143	132.38	ng		100
75)	C308	sec-Butylbenzene	16.59	105	1098273	139.12	ng		99
76)	C260	1,3-Dichlorobenzene	16.82	146	503676	118.86	ng		99
77)	C309	4-Isopropyltoluene	16.79	119	866859	126.86	ng		97
78)	C267	1,4-Dichlorobenzene	16.94	146	517111	116.69	ng		100
79)	C249	1,2-Dichlorobenzene	17.53	146	503910	118.09	ng		97
80)	C310	n-Butylbenzene	17.41	91	868523	130.21	ng		97
81)	C286	1,2-Dibromo-3-Chloro	18.68	75	75857	116.82	ng		97
82)	C313	1,2,4-Trichlorobenze	19.95	180	329436	116.85	ng		99
83)	C316	Hexachlorobutadiene	20.17	225	122617	116.12	ng		93
84)	C314	Naphthalene	20.36	128	998533	126.73	ng		99
85)	C934	1,2,3-Trichlorobenze	20.73	180	299889	115.56	ng		97

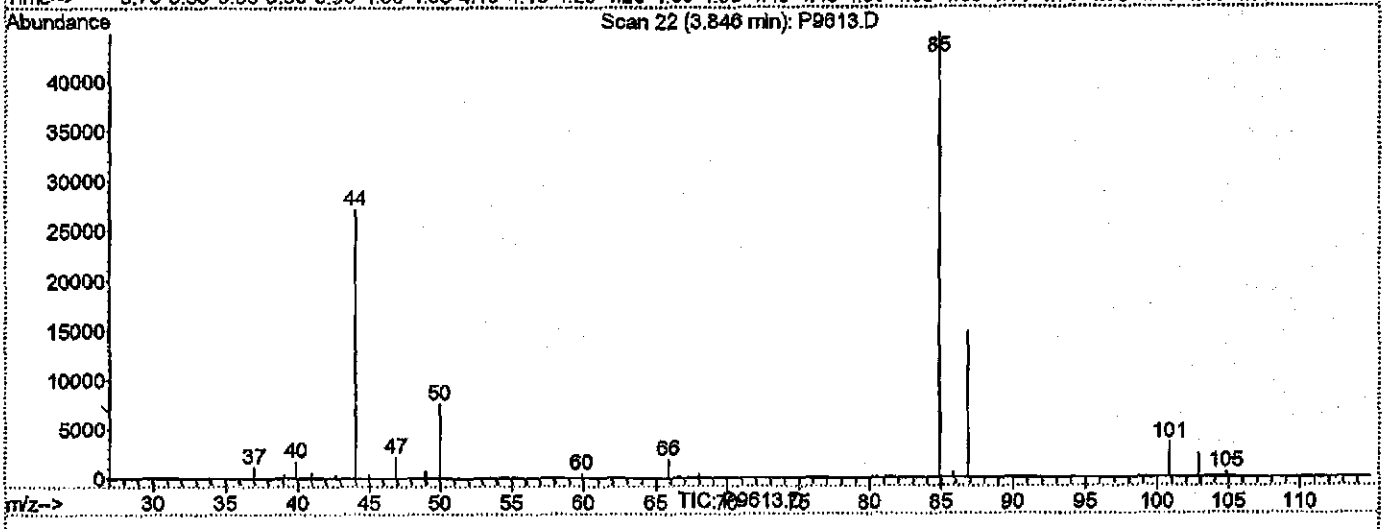
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\072408\P9613.D Vial: 2
Acq On : 24 Jul 2008 11:06 Operator: LH
Sample : MSB/SSCAL Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 11:40 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 11:40:20 2008
Response via : Multiple Level Calibration





(2) C290 Dichlorodifluoromethane (T)

3.85min 112.50ng

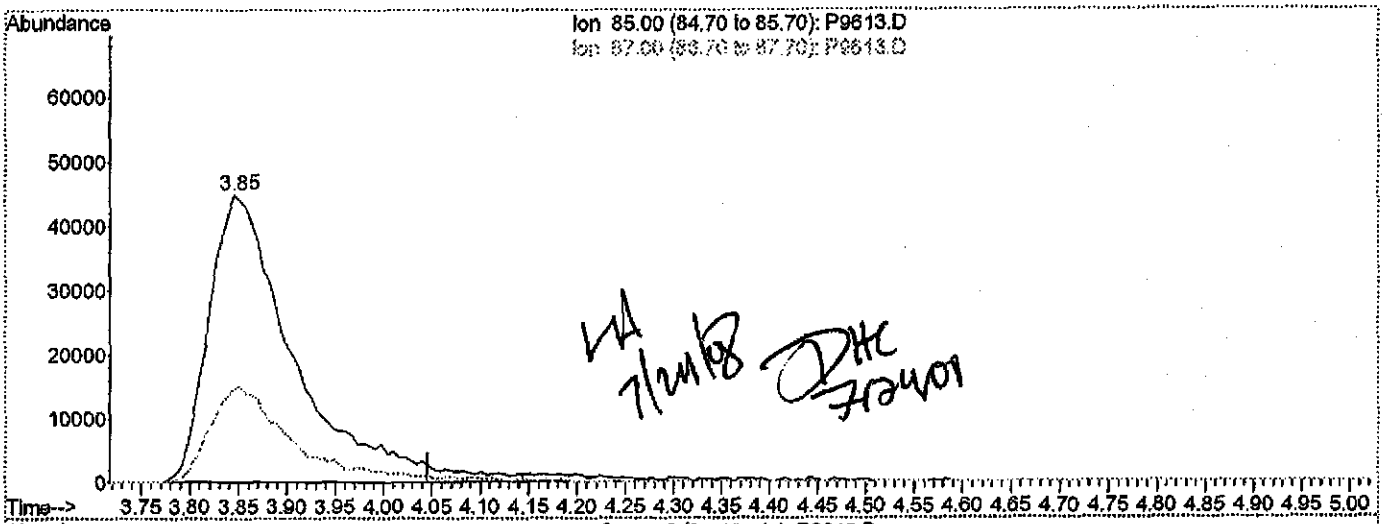
response 263362

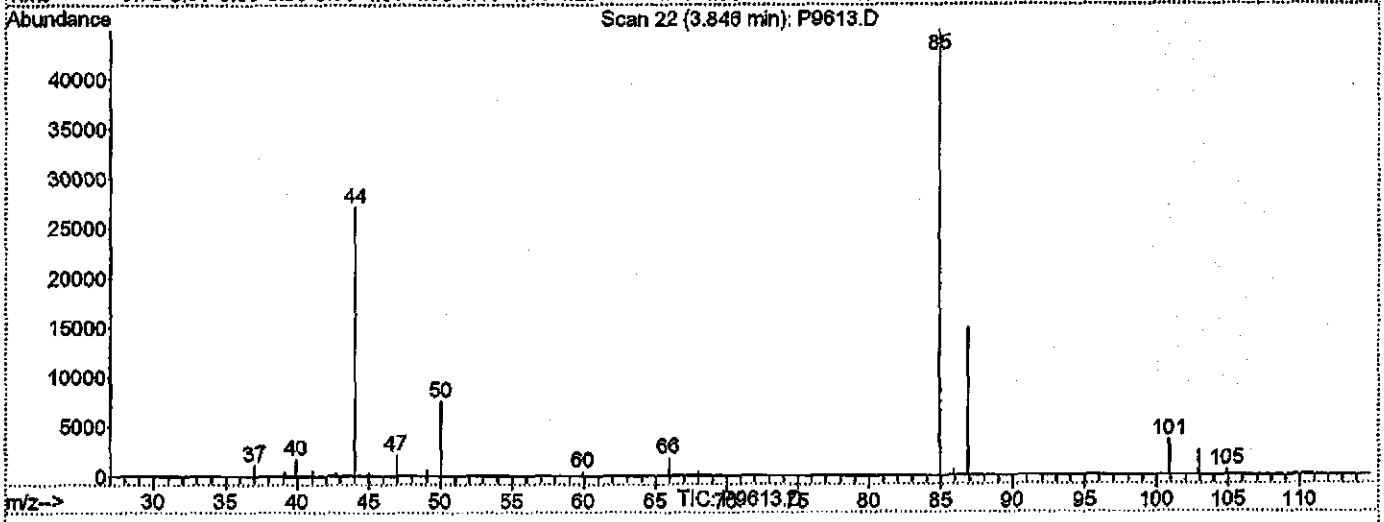
Ion	Exp%	Act%
85.00	100	100
87.00	31.20	32.89
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\072408\P9613.D Vial: 2
Acq On : 24 Jul 2008 11:06 Operator: LH
Sample : MSB/SSCAL Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 11:40 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 11:40:20 2008
Response via : Multiple Level Calibration





(2) C290 Dichlorodifluoromethane (T)

3.85min 118.08ng m

response 276411

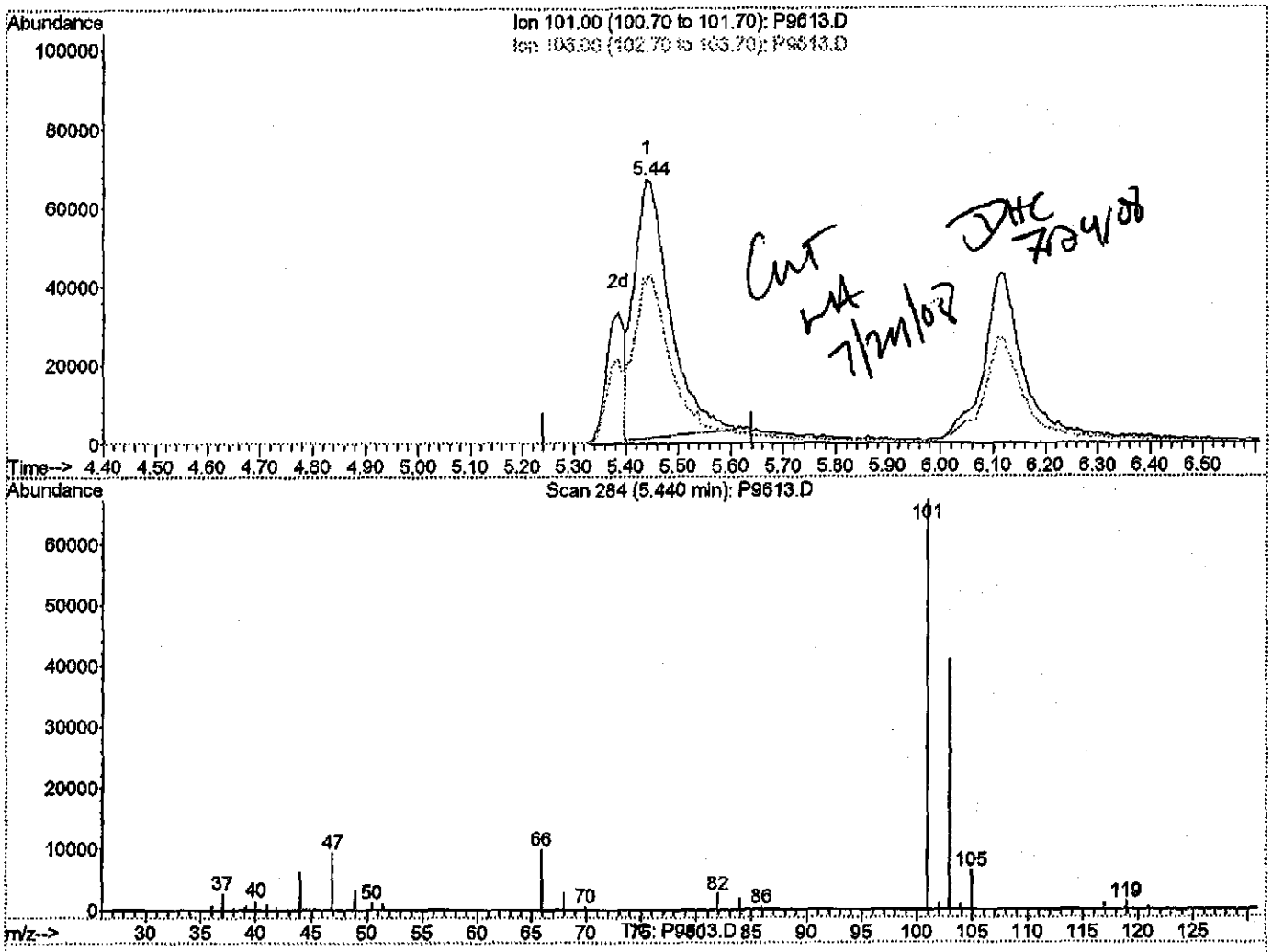
Ion	Exp%	Act%
85.00	100	100
87.00	31.20	32.89
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\072408\P9613.D
Acq On : 24 Jul 2008 11:06
Sample : MSB/SSCAL
Misc :
MS Integration Params: RTEINT.P
Quant Time: Jul 24 11:40 2008

Vial: 2
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 11:40:20 2008
Response via : Multiple Level Calibration



(7) C275 Trichlorofluoromethane (T)

5.44min 80.50ng

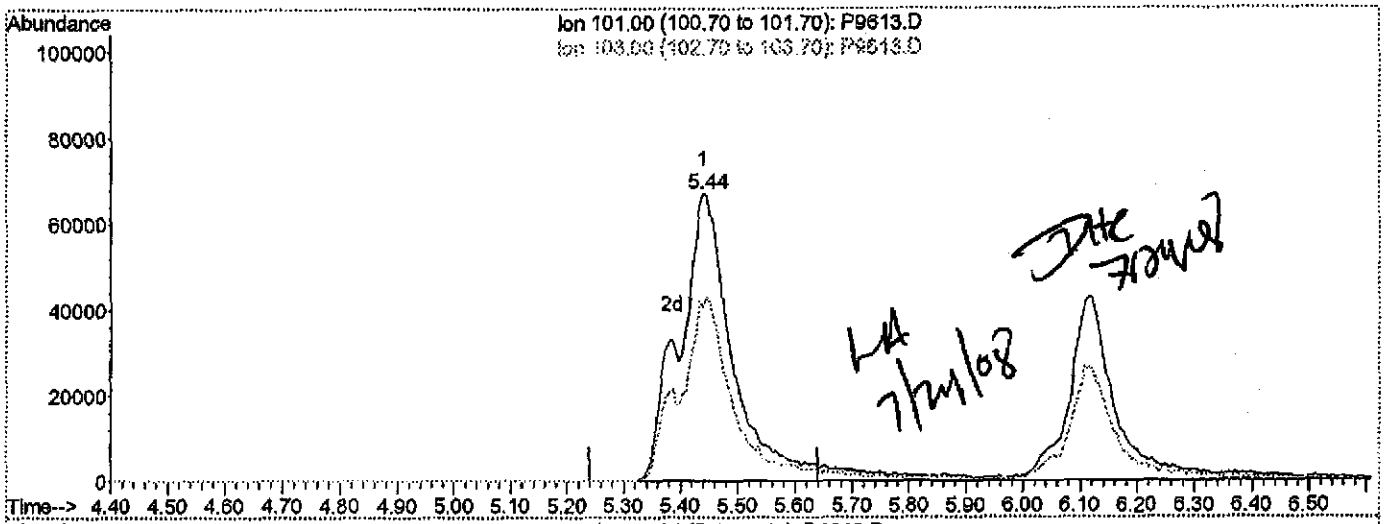
response 312473

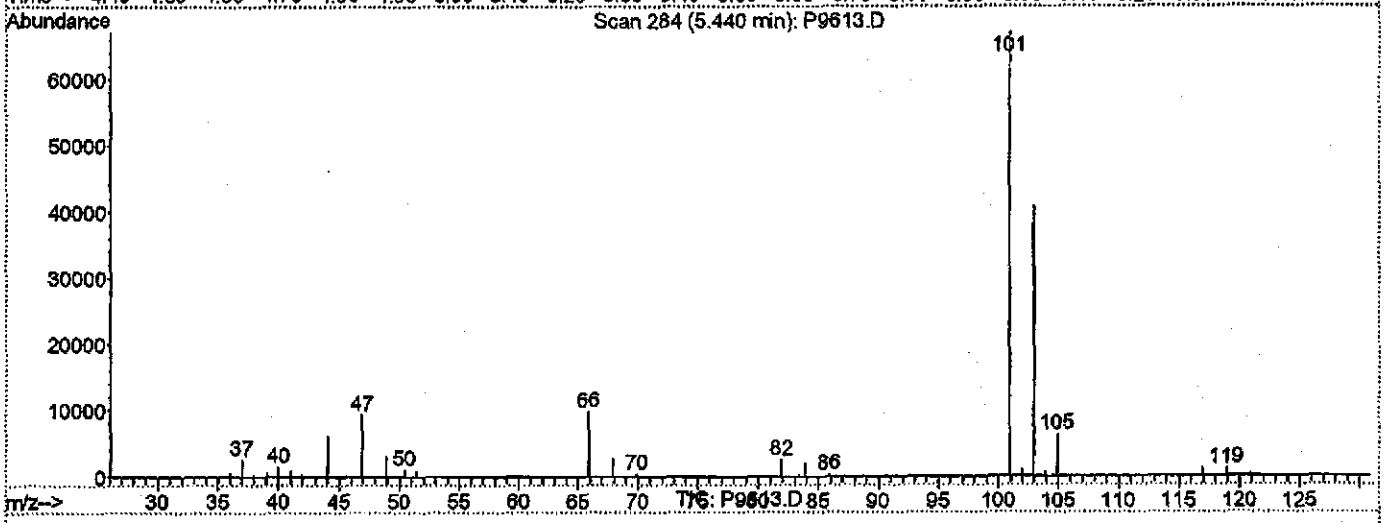
Ion	Exp%	Act%
101.00	100	100
103.00	65.20	60.79
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\072408\P9613.D Vial: 2
Acq On : 24 Jul 2008 11:06 Operator: LH
Sample : MSB/SSCAL Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Jul 24 11:40 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Thu Jul 24 11:40:20 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

5.44min 116.30ng m

response 451424

Ion	Exp%	Act%
101.00	100	100
103.00	65.20	60.79
0.00	0.00	0.00
0.00	0.00	0.00

METHOD 8260 - AQUEOUS (30% RSD/ 20% D)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0002033-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: P0400.RR Calibration Date: 08/15/2008 Time: 10:01

Intrument ID: HP5973P Init. Calib. Date(s): 07/23/2008 07/23/2008

Heated Purge (Y/N): N Init. Calib. Times: 16:14 18:34

GC Column: ZB-624 ID: 0.25(mm)

COMPOUND	AVG RRF	RRF25	MIN RRF	% D	MAX % D
Chloromethane	0.6380	0.6814	0.1000	-6.800	100.00
Bromomethane	0.2670	0.2133	0.0100	20.100	100.00
Vinyl chloride	0.4690	0.4774	0.0100	-1.800	20.00
Chloroethane	0.3290	0.3068	0.0100	6.700	100.00
Methylene chloride	0.5620	0.4376	0.0100	22.100	100.00
Acetone	0.2540	0.2530	0.0100	0.400	100.00
Carbon Disulfide	1.2200	1.1059	0.0100	9.400	100.00
1,1-Dichloroethene	0.3340	0.3475	0.0100	-4.000	20.00
1,1-Dichloroethane	0.8300	0.8533	0.1000	-2.800	100.00
cis-1,2-Dichloroethene	0.3940	0.3928	0.0100	0.300	100.00
trans-1,2-Dichloroethene	0.3660	0.3623	0.0100	1.000	100.00
Chloroform	0.6550	0.6817	0.0100	-4.100	20.00
1,2-Dichloroethane	0.6950	0.7564	0.0100	-8.800	100.00
2-Butanone	0.3850	0.4120	0.0100	-7.000	100.00
1,1,1-Trichloroethane	0.5230	0.5882	0.0100	-12.500	100.00
Carbon Tetrachloride	0.3590	0.4199	0.0100	-17.000	100.00
Bromodichloromethane	0.4290	0.4659	0.0100	-8.600	100.00
1,2-Dichloropropane	0.4650	0.4886	0.0100	-5.100	20.00
cis-1,3-Dichloropropene	0.5580	0.5647	0.0100	-1.200	100.00
Trichloroethene	0.3620	0.3679	0.0100	-1.600	100.00
Dibromochloromethane	0.2880	0.3074	0.0100	-6.700	100.00
1,1,2-Trichloroethane	0.3250	0.3139	0.0100	3.400	100.00
Benzene	1.4620	1.4529	0.0100	0.600	100.00
trans-1,3-Dichloropropene	0.5650	0.5673	0.0100	-0.400	100.00
Bromoform	0.3320	0.3464	0.1000	-4.300	100.00
4-Methyl-2-pentanone	0.8180	0.9102	0.0100	-11.300	100.00
2-Hexanone	0.5670	0.6352	0.0100	-12.000	100.00
Tetrachloroethene	0.3300	0.3144	0.0100	4.700	100.00
1,1,2,2-Tetrachloroethane	1.0780	0.9999	0.3000	7.200	100.00
Toluene	0.9590	0.9446	0.0100	1.500	20.00
Chlorobenzene	0.9960	0.9739	0.3000	2.200	100.00
Ethylbenzene	1.7270	1.7614	0.0100	-2.000	20.00
Styrene	1.0550	1.0321	0.0100	2.200	100.00
Total Xylenes	0.6370	0.6367	0.0100	0.000	100.00
1,1,2-Trichloro-1,2,2-trifluoro	0.2860	0.3542	0.0100	-23.800	100.00
1,2,4-Trichlorobenzene	0.9710	0.8583	0.0100	11.600	100.00
1,2-Dibromo-3-chloropropane	0.1990	0.1797	0.0100	9.700	100.00
1,2-Dibromoethane	0.3860	0.3746	0.0100	3.000	100.00
1,2-Dichlorobenzene	1.4700	1.3674	0.0100	7.000	100.00

METHOD 8260 - AQUEOUS (30% RSD/ 20% D)
CONTINUING CALIBRATION CHECK

Lab Name: TestAmerica Laborato Contract: _____ Lab Samp ID: A8C0002033-1

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No: _____

Lab File Id: P0400.RR Calibration Date: 08/15/2008 Time: 10:01

Intrument ID: HP5973P Init. Calib. Date(s): 07/23/2008 07/23/2008

Heated Purge (Y/N): N Init. Calib. Times: 16:14 18:34

GC Column: ZB-624 ID: 0.25(mm)

COMPOUND	AVG RRF	RRF25	MIN RRF	% D	MAX % D
1,3-Dichlorobenzene	1.4590	1.3350	0.0100	8.500	100.00
1,4-Dichlorobenzene	1.5260	1.3639	0.0100	10.600	100.00
Cyclohexane	0.8100	0.9098	0.0100	-12.300	100.00
Dichlorodifluoromethane	0.3740	0.3310	0.0100	11.500	100.00
Methyl acetate	0.9350	0.9475	0.0100	-1.300	100.00
Trichlorofluoromethane	0.6210	0.6255	0.0100	-0.700	100.00
Methyl-t-Butyl Ether (MTBE)	1.1070	1.1817	0.0100	-6.700	100.00
Isopropylbenzene	2.9840	2.8929	0.0100	3.000	100.00
Methylcyclohexane	0.4740	0.4424	0.0100	6.700	100.00
Toluene-D8	1.3650	1.3382	0.0100	2.000	100.00
p-Bromofluorobenzene	0.4080	0.3823	0.0100	6.300	100.00
1,2-Dichloroethane-D4	0.5350	0.5516	0.0100	-3.100	100.00

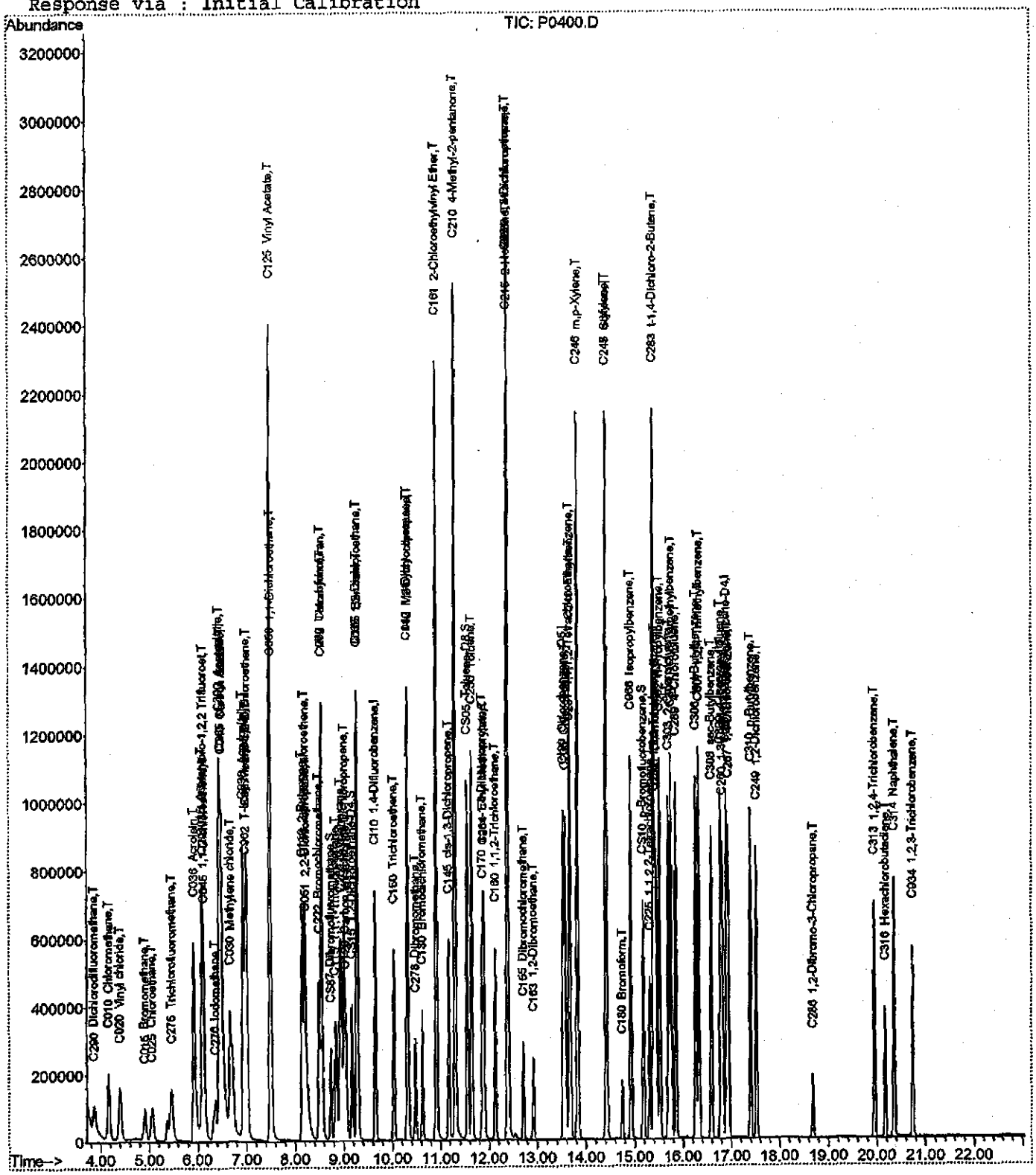
Quantitation Report (QT Reviewed)

Data File : H:\GCMS_VOA\P\081508\P0400.D
Acq On : 15 Aug 2008 10:01
Sample : VSTD025
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 11:45 2008

Vial: 1
Operator: LH
Inst : HP5973 P
Multiplr: 1.00

Quant Results File: A8I0000550.RES

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 08:49:08 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\P\081508\P0400.D Vial: 1
Acq On : 15 Aug 2008 10:01 Operator: LH
Sample : VSTD025 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 15 11:45:20 2008 Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 08:49:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\P\081408\P0373.D (14 Aug 2008 21:42)

Internal Standards		R.T.	QIon	Response	Conc	Units		Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	9.65	114	576449	125.00	ng		0.00 100.57%
43) CI20	Chlorobenzene-D5	13.54	117	539091	125.00	ng		0.00 102.47%
62) CI30	1,4-Dichlorobenzene-	16.91	152	287481	125.00	ng		0.00 104.39%
System Monitoring Compounds								
30) CS87	Dibromofluoromethane	8.74	111	194144	124.83	ng		0.00
Spiked Amount	125.000	Range	70 - 130	Recovery =	99.86%			
31) CS15	1,2-Dichloroethane-D	9.18	65	317947	128.81	ng		0.00
Spiked Amount	125.000	Range	66 - 137	Recovery =	103.05%			
44) CS05	Toluene-D8	11.56	98	721428	122.55	ng		0.00
Spiked Amount	125.000	Range	71 - 126	Recovery =	98.04%			
61) CS10	p-Bromofluorobenzene	15.19	174	206104	117.17	ng		0.00
Spiked Amount	125.000	Range	73 - 120	Recovery =	93.74%			
Target Compounds								Qvalue
2) C290	Dichlorodifluorometh	3.88	85	190808	110.54	ng		100
3) C010	Chloromethane	4.17	50	392811	133.52	ng		98
4) C020	Vinyl chloride	4.39	62	275191	127.13	ng		98
5) C015	Bromomethane	4.92	94	122934	99.69	ng		99
6) C025	Chloroethane	5.06	64	176828	116.41	ng		100
7) C275	Trichlorofluorometha	5.46	101	360595m	125.99	ng		100
8) C045	1,1-Dichloroethene	6.13	96	200292m	130.09	ng	#	64
9) C030	Methylene chloride	6.67	84	252272	117.64	ng	#	47
10) C040	Carbon disulfide	6.49	76	637473	113.30	ng		100
11) C036	Acrolein	5.92	56	912144	3008.33	ng		92
12) C038	Acrylonitrile	6.93	53	896351	639.57	ng		99
13) C035	Acetone	6.10	43	729186	621.98	ng		95
14) C300	Acetonitrile	6.44	41	2781177	6391.04	ng		99
15) C276	Iodomethane	6.36	142	311776	121.06	ng		92
16) C291	1,1,2 Trichloro-1,2,	6.12	101	204152	154.70	ng		94
17) C962	T-butyl Methyl Ether	6.98	73	681186	133.41	ng	#	80
18) C057	trans-1,2-Dichloroet	7.01	96	208873	123.76	ng	#	75
19) C255	Methyl Acetate	6.49	43	546182	126.62	ng	#	79
20) C050	1,1-Dichloroethane	7.51	63	491870	128.50	ng		96
21) C125	Vinyl Acetate	7.48	43	4281474	832.04	ng	#	87
22) C051	2,2-Dichloropropane	8.22	77	312741	141.90	ng		96
23) C056	cis-1,2-Dichloroethe	8.20	96	226407	124.69	ng	#	77
24) C272	Tetrahydrofuran	8.55	42	757759	706.46	ng	#	72
25) C222	Bromochloromethane	8.49	128	103399	122.20	ng	#	47
26) C060	Chloroform	8.54	83	392979	130.08	ng		97
27) C115	1,1,1-Trichloroethan	8.83	97	339045	130.38	ng		93
28) C120	Carbon tetrachloride	9.05	117	242030	130.88	ng		97
29) C116	1,1-Dichloropropene	9.01	75	281726	128.74	ng		97
32) C165	Benzene	9.28	78	837535	124.26	ng		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\P\081508\P0400.D
Acq On : 15 Aug 2008 10:01
Sample : VSTD025
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 11:45:20 2008

Vial: 1
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 08:49:08 2008
Response via : Initial Calibration
DataAcq Meth : VOA

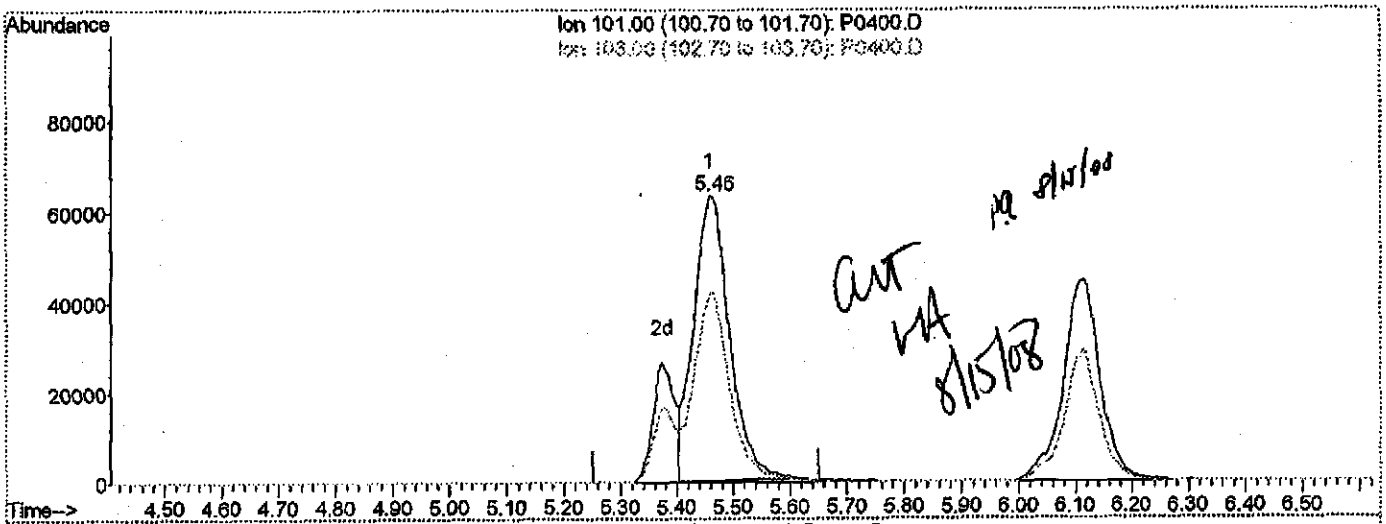
	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
33)	C065	1,2-Dichloroethane	9.27	62	436011	135.98	ng		84
34)	C110	2-Butanone	8.15	43	1187411	668.24	ng	#	76
35)	C256	Cyclohexane	8.94	56	524432	140.32	ng	#	67
36)	C150	Trichloroethene	10.03	95	212061	127.02	ng		99
37)	C140	1,2-Dichloropropane	10.32	63	281676	131.21	ng		92
38)	C278	Dibromomethane	10.48	93	145551	122.57	ng		98
39)	C130	Bromodichloromethane	10.62	83	268573	123.20	ng		96
40)	C161	2-Chloroethylvinyl E	10.92	63	1002435	612.37	ng		92
41)	C012	Methylcycolhexane	10.32	83	255036	116.69	ng	#	74
42)	C145	cis-1,3-Dichloroprop	11.18	75	325520	117.05	ng		99
45)	C230	Toluene	11.65	92	509218	123.07	ng		99
46)	C170	trans-1,3-Dichloropr	11.87	75	305853	114.36	ng		96
47)	C284	Ethyl Methacrylate	11.90	69	295973	113.57	ng	#	17
48)	C160	1,1,2-Trichloroethan	12.14	83	169205	120.64	ng		89
49)	C210	4-Methyl-2-pentanone	11.31	43	2453491	695.73	ng		98
50)	C220	Tetrachloroethene	12.41	166	169491	118.99	ng		95
51)	C221	1,3-Dichloropropane	12.38	76	343902	122.46	ng		99
52)	C155	Dibromochloromethane	12.72	129	165709	116.85	ng		96
53)	C163	1,2-Dibromoethane	12.92	107	201968	121.47	ng		95
54)	C215	2-Hexanone	12.39	43	1712164	700.64	ng		90
55)	C235	Chlorobenzene	13.58	112	525021	122.21	ng		100
56)	C281	1,1,1,2-Tetrachloroe	13.66	131	172109	122.83	ng		99
57)	C240	Ethylbenzene	13.68	91	949560	127.52	ng		100
58)	C246	m,p-Xylene	13.84	106	674567	251.50	ng		95
59)	C247	o-Xylene	14.42	106	343237	124.98	ng		94
60)	C245	Styrene	14.43	104	556404	122.32	ng		79
63)	C180	Bromoform	14.75	173	99591	110.70	ng		94
64)	C966	Isopropylbenzene	14.92	105	831667	121.16	ng		94
65)	C301	Bromobenzene	15.45	156	218829	121.67	ng		93
66)	C225	1,1,2,2-Tetrachloroe	15.32	83	287448	115.91	ng		98
67)	C282	1,2,3-Trichloropropa	15.43	110	79255	114.34	ng		100
68)	C283	t-1,4-Dichloro-2-But	15.40	89	256254	551.50	ng	#	73
69)	C302	n-Propylbenzene	15.53	91	1062439	122.41	ng		96
70)	C303	2-Chlorotoluene	15.71	126	203089	120.35	ng		100
71)	C289	4-Chlorotoluene	15.86	126	207488	119.78	ng		100
72)	C304	1,3,5-Trimethylbenze	15.76	105	706511	122.92	ng	#	51
73)	C306	tert-Butylbenzene	16.27	134	127946	120.38	ng		100
74)	C307	1,2,4-Trimethylbenze	16.34	105	727187	123.75	ng		99
75)	C308	sec-Butylbenzene	16.59	105	741155	118.53	ng		97
76)	C260	1,3-Dichlorobenzene	16.82	146	383795	114.35	ng		99
77)	C309	4-Isopropyltoluene	16.79	119	653980	120.83	ng		96
78)	C267	1,4-Dichlorobenzene	16.94	146	392084	111.71	ng		99
79)	C249	1,2-Dichlorobenzene	17.53	146	393100	116.31	ng		99
80)	C310	n-Butylbenzene	17.41	91	649466	122.94	ng		99
81)	C286	1,2-Dibromo-3-Chloro	18.68	75	51654	102.49	ng		97
82)	C313	1,2,4-Trichlorobenze	19.95	180	246743	110.50	ng		96
83)	C316	Hexachlorobutadiene	20.17	225	93691	112.03	ng		99
84)	C314	Naphthalene	20.36	128	694063	111.22	ng		99
85)	C934	1,2,3-Trichlorobenze	20.74	180	214549	104.39	ng		98

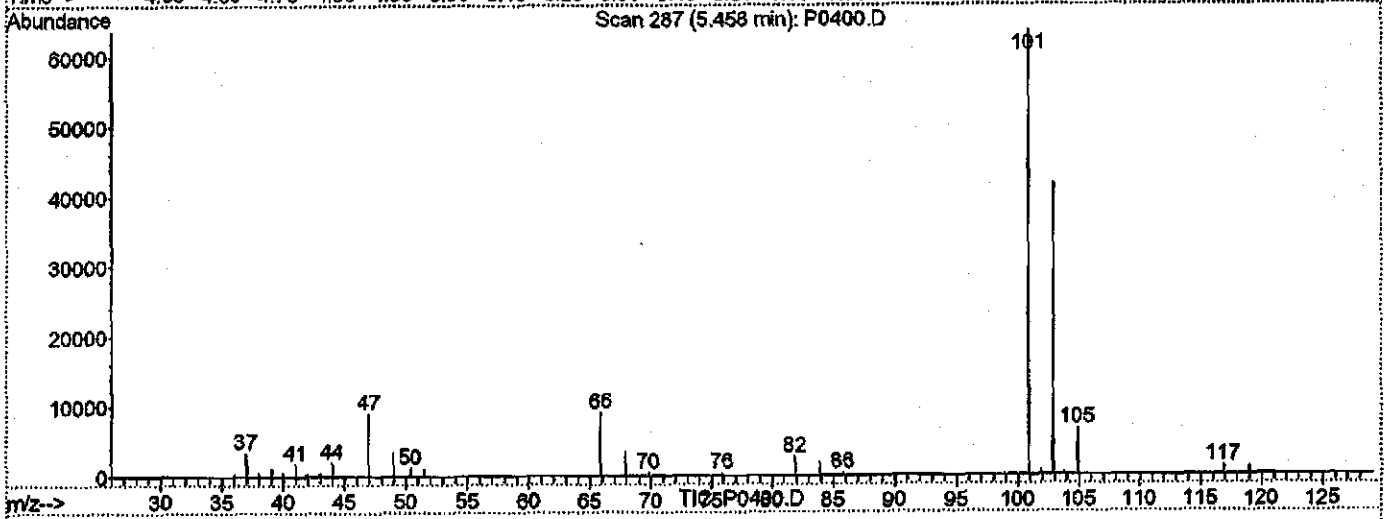
(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\081508\P0400.D Vial: 1
Acq On : 15 Aug 2008 10:01 Operator: LH
Sample : VSTD025 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 15 11:44 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 08:49:08 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

5.46min 97.35ng

response 278638

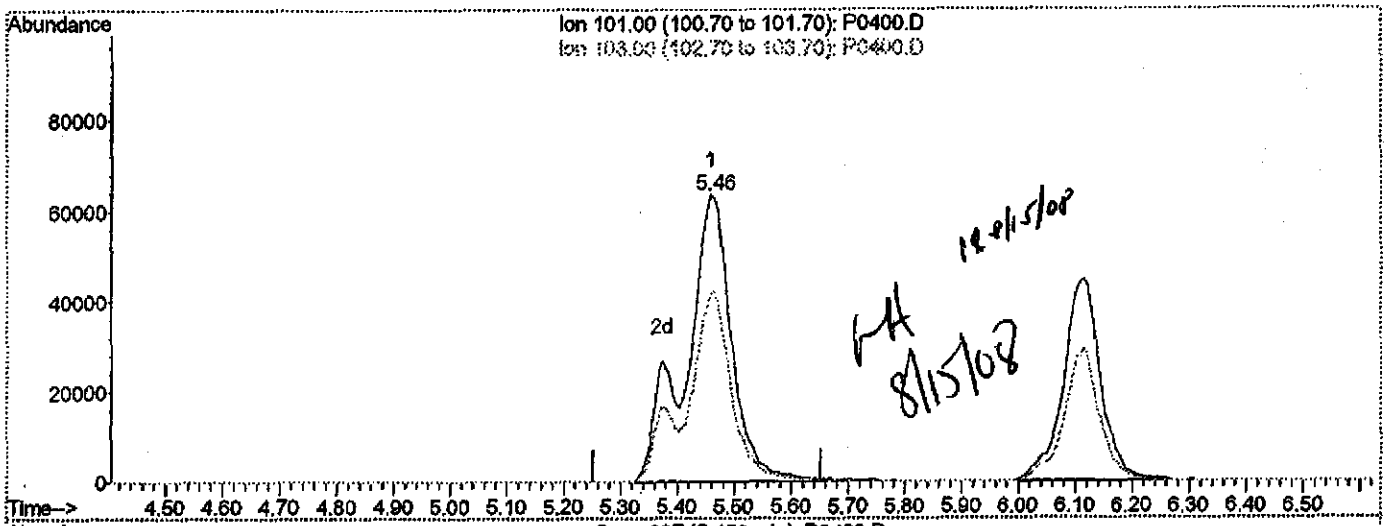
Ion	Exp%	Act%
101.00	100	100
103.00	65.20	65.57
0.00	0.00	0.00
0.00	0.00	0.00

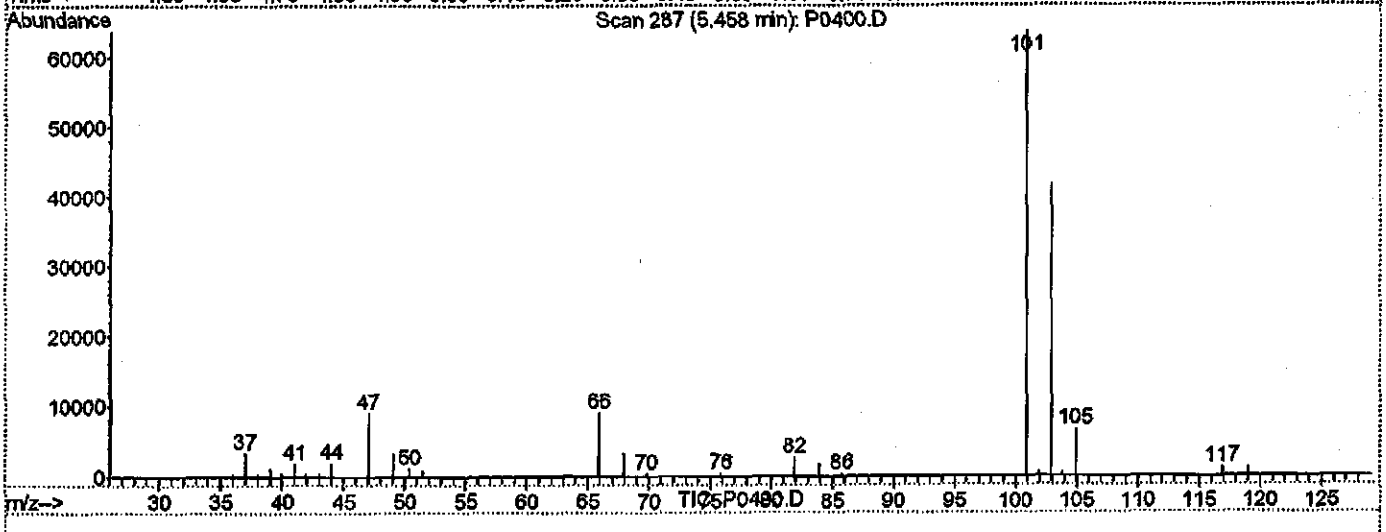
Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\081508\P0400.D
Acq On : 15 Aug 2008 10:01
Sample : VSTD025
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 11:45 2008

Vial: 1
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 08:49:08 2008
Response via : Multiple Level Calibration





(7) C275 Trichlorofluoromethane (T)

5.46min 125.99ng m

response 360595

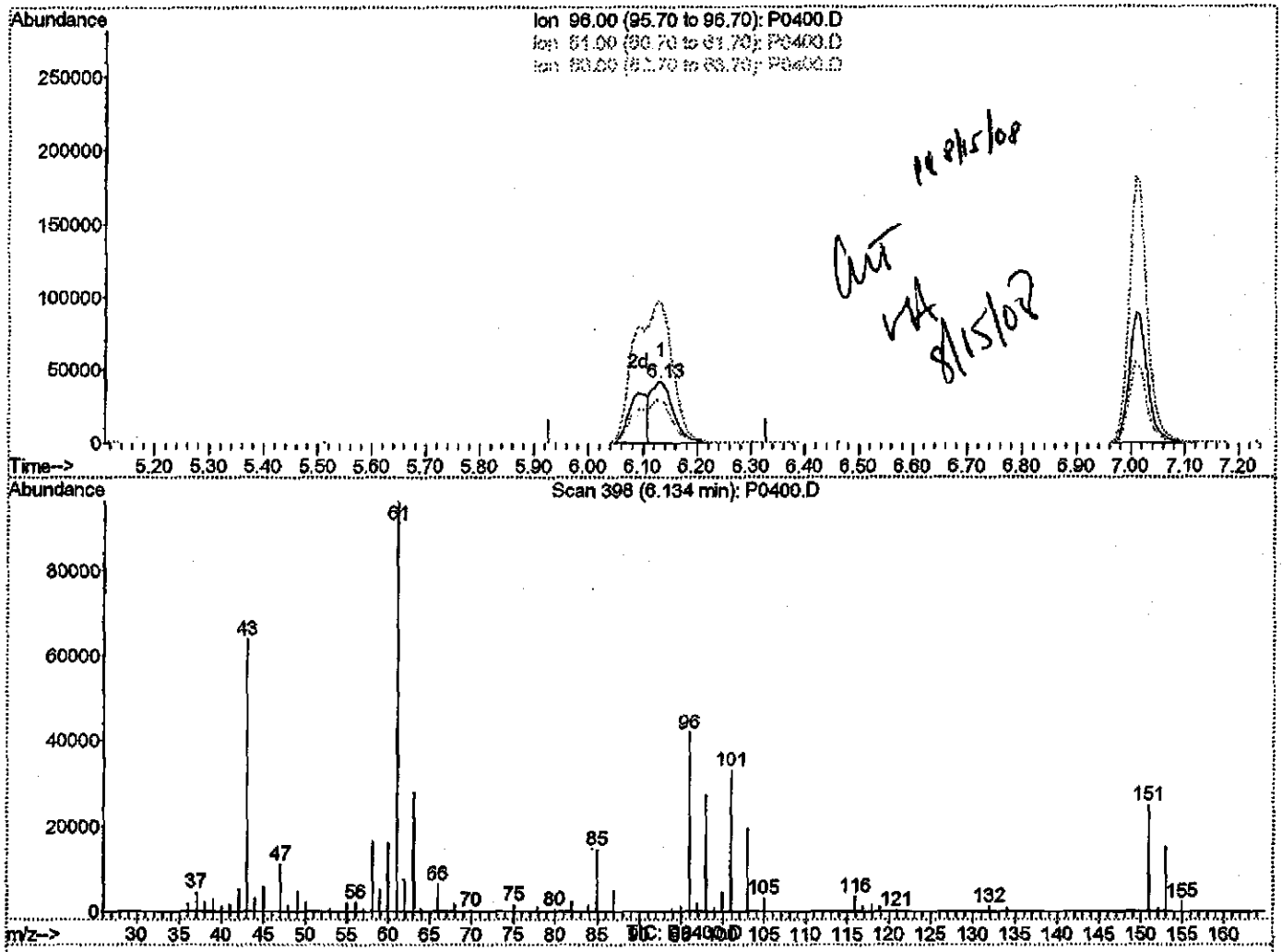
Ion	Exp%	Act%
101.00	100	100
103.00	65.20	65.57
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\081508\P0400.D
Acq On : 15 Aug 2008 10:01
Sample : VSTD025
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 11:45 2008

Vial: 1
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 08:49:08 2008
Response via : Multiple Level Calibration



(8) C045 1,1-Dichloroethene (T)

6.13min 76.42ng

response 117659

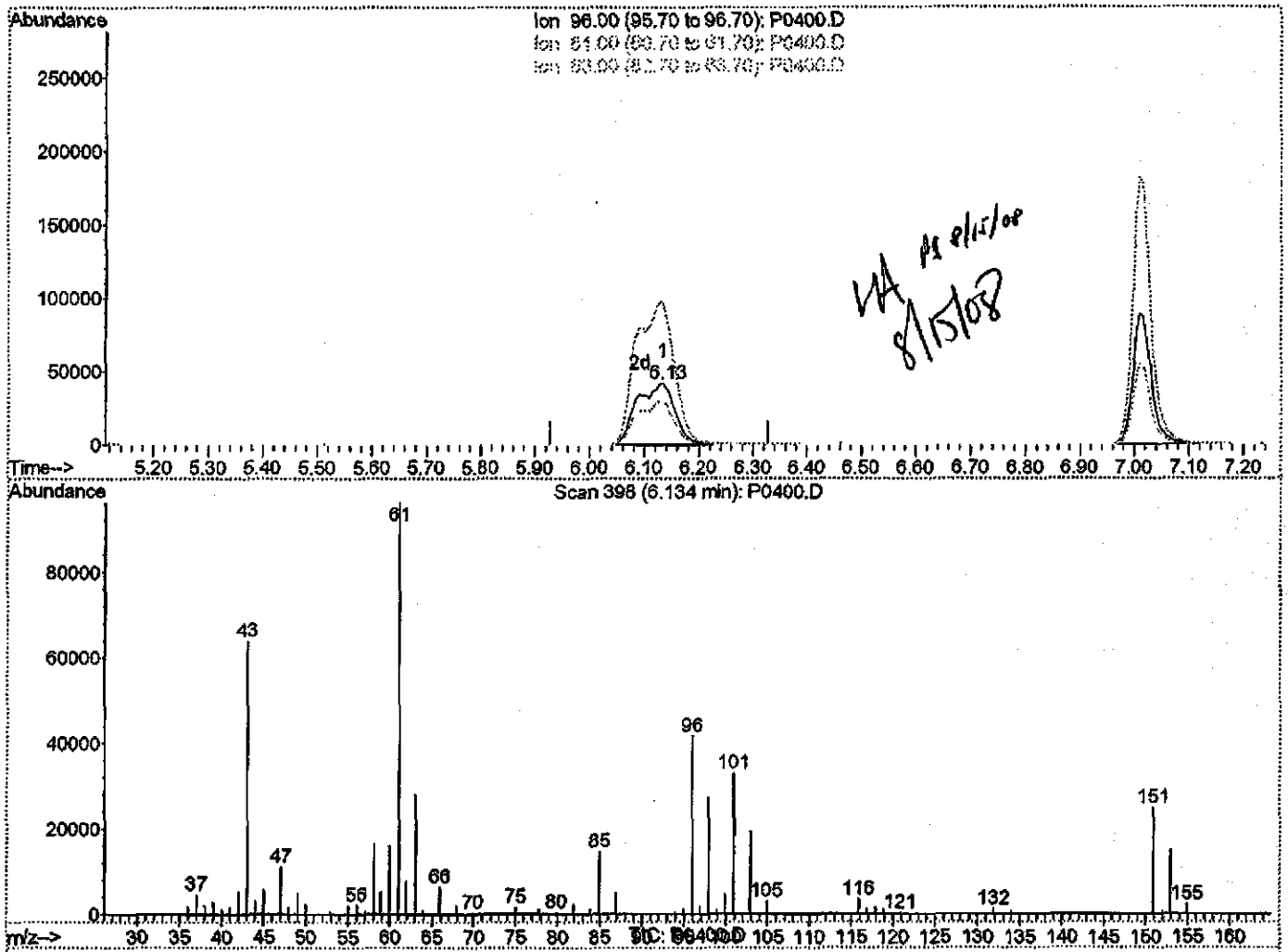
Ion	Exp%	Act%
96.00	100	100
61.00	169.60	230.69#
63.00	58.50	67.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\081508\P0400.D
Acq On : 15 Aug 2008 10:01
Sample : VSTD025
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 11:45 2008

Vial: 1
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 08:49:08 2008
Response via : Multiple Level Calibration



(8) C045 1,1-Dichloroethene (T)

6.13min 130.09ng m

response 200292

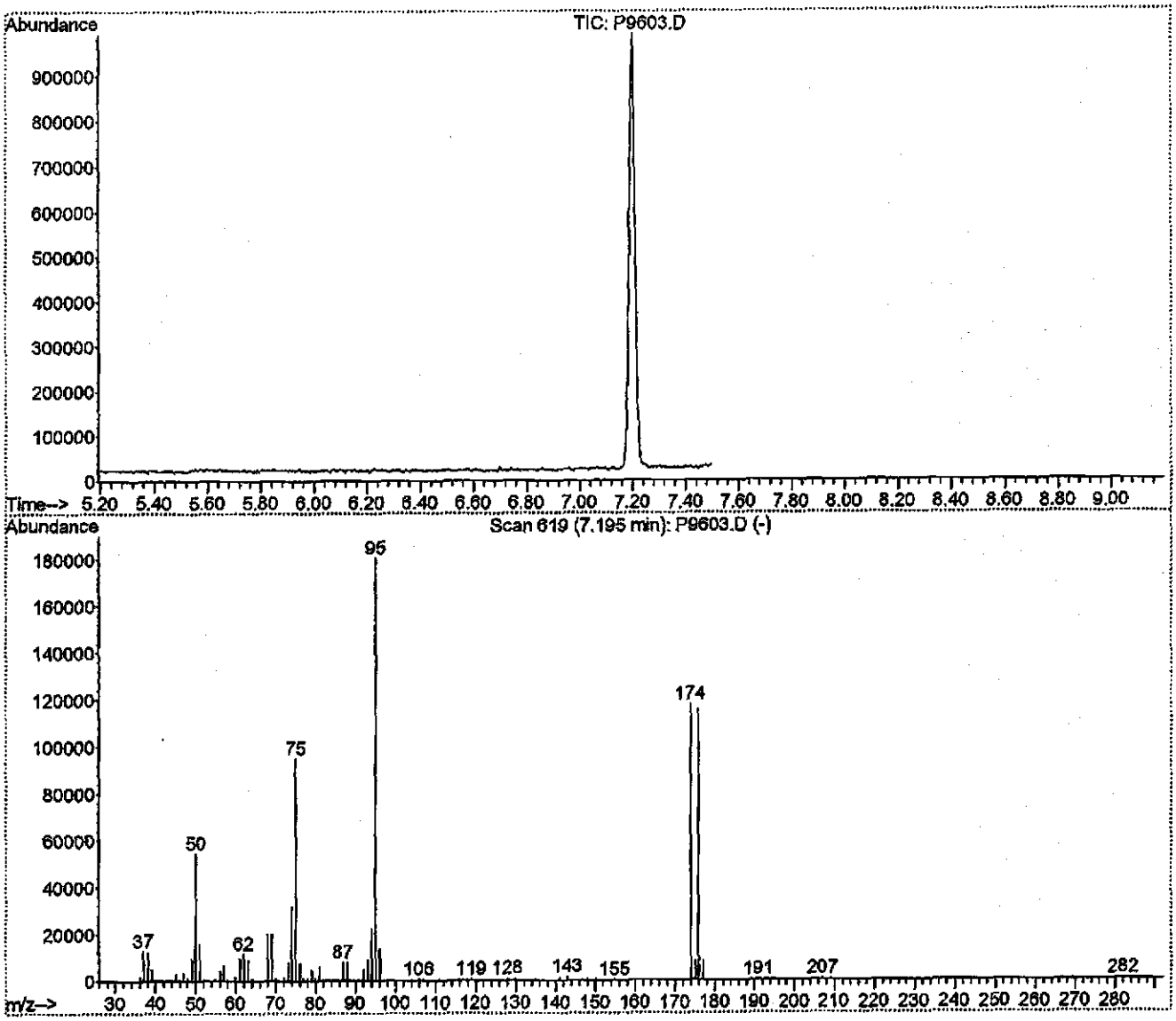
Ion	Exp%	Act%
96.00	100	100
61.00	169.60	230.69#
63.00	58.50	67.00
0.00	0.00	0.00

Raw QC Data

BFB

Data File : H:\GCMS_VOA\P\072308\P9603.D
Acq On : 23 Jul 2008 15:50
Sample : 0723BFBP2
Misc :
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML

Vial: 13
Operator: LH
Inst : HP5973 P
Multiplr: 1.00



Spectrum Information: Scan 619

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	30.1	54520	PASS
75	95	30	60	52.4	94888	PASS
95	95	100	100	100.0	180928	PASS
96	95	5	9	7.4	13446	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	65.0	117608	PASS
175	174	5	9	6.8	8003	PASS
176	174	95	101	98.2	115488	PASS
177	176	5	9	6.9	8017	PASS

P9603.D A8I0000550.M Thu Jul 24 09:07:28 2008 HP5973P

Scan 619 (7.195 min): P9603.D
0723BFBP2
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	2212	47.90	1267	62.00	11567	76.00	7482
37.00	12635	49.00	9717	63.00	8742	76.90	1185
38.00	12048	50.00	54520	64.10	1148	77.90	1493
39.00	4977	51.00	16038	67.00	478	78.90	4541
39.95	233	52.10	783	68.00	19760	79.90	1216
41.00	170	54.90	866	69.00	20064	80.90	5954
43.00	103	56.00	4190	70.00	1316	81.90	938
44.00	638	57.00	6540	72.10	1353	86.90	7941
45.00	3168	58.00	391	73.00	8113	87.90	8017
45.90	451	59.90	1855	74.00	31568	90.80	602
46.90	3242	60.90	9855	75.00	94888	91.90	4754

Scan 619 (7.195 min): P9603.D
0723BFBP2
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	8940	117.90	605	154.80	434		
94.00	22048	118.90	739	172.00	360		
95.00	180928	127.90	1027	173.90	117608		
96.00	13446	129.80	830	175.00	8003		
97.00	561	132.85	109	175.90	115488		
104.00	602	134.80	412	176.90	8017		
105.90	661	141.00	1314	190.95	401		
106.90	477	142.90	1776	207.00	667		
110.90	369	146.80	387	209.00	592		
115.80	573	148.00	533	282.00	366		
116.90	699	149.90	377				

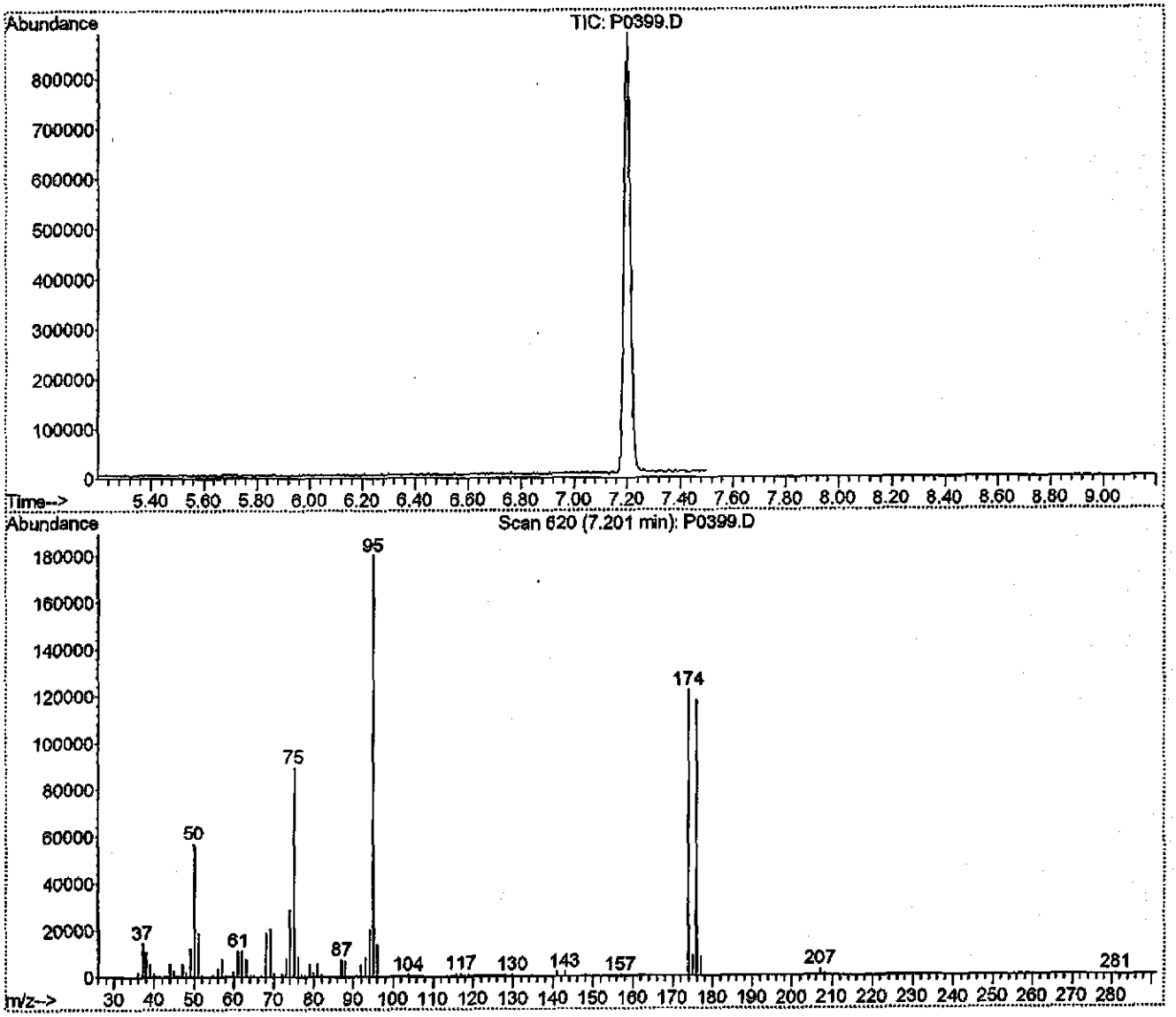
A8B20696

BFB

A8T...2402

Data File : H:\GCMS_VOA\P\081508\P0399.D
Acq On : 15 Aug 2008 9:37
Sample : 0815BFBP1
Misc :
MS Integration Params: RTEINT.P
Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML

Vial: 1
Operator: LH
Inst : HP5973 P
Multiplr: 1.00



Spectrum Information: Scan 620

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	31.5	56920	PASS
75	95	30	60	49.7	89600	PASS
95	95	100	100	100.0	180416	PASS
96	95	5	9	7.7	13852	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	67.8	122400	PASS
175	174	5	9	7.2	8792	PASS
176	174	95	101	96.4	117944	PASS
177	176	5	9	6.8	8014	PASS

P0399.D A8I0000550.M Fri Aug 15 09:45:29 2008 HP5973P

Scan 620 (7.201 min): P0399.D
0815BFBP1

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1916	51.00	18656	65.00	492	77.90	760
37.00	14362	51.90	629	66.90	459	78.90	5183
38.00	10621	54.80	641	68.00	18624	79.90	1751
39.00	5340	56.00	3588	69.00	20312	80.90	5580
39.90	1503	57.00	7555	70.00	1354	82.00	967
44.00	5447	58.00	402	72.00	1159	87.00	7125
45.00	2703	59.90	2035	73.00	7815	87.90	6694
47.00	5546	61.00	11064	74.00	28768	90.70	487
48.00	1836	62.00	10911	75.00	89600	91.00	534
49.00	12045	63.00	7527	76.00	8320	91.90	4935
50.00	56920	64.10	491	77.00	992	93.00	7738

Scan 620 (7.201 min): P0399.D
0815BFBP1

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	19984	129.90	745	208.00	773		
95.00	180416	134.80	469	281.10	596		
96.00	13852	140.90	1825				
97.00	356	142.90	2110				
103.80	713	148.00	484				
105.80	439	156.90	506				
115.80	858	173.90	122400				
116.90	1301	174.90	8792				
117.90	577	175.90	117944				
118.90	878	177.00	8014				
127.90	633	207.00	2722				

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

VBLK36

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8B2069602

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0403.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: VBLK36

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8B2069602

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0403.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

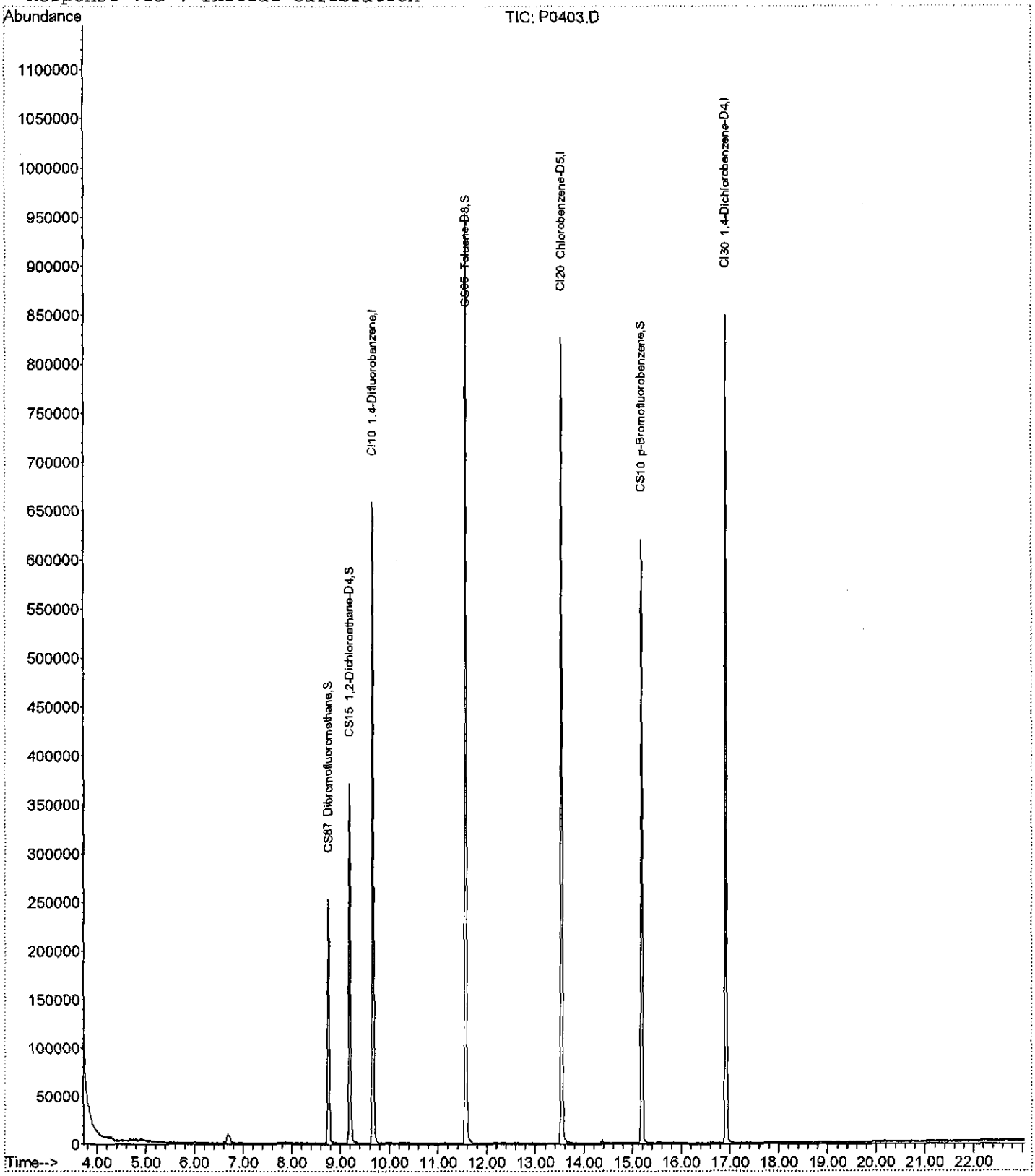
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Quantitation Report (Not Reviewed)

Data File : H:\GCMS_VOA\TEMP\P0403.D Vial: 4
Acq On : 15 Aug 2008 11:40 Operator: LH
Sample : VBLK36 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 15 12:10 2008 Quant Results File: A8I0000550.RES

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Sat Sep 06 09:07:07 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\P0403.D Vial: 4
Acq On : 15 Aug 2008 11:40 Operator: LH
Sample : VBLK36 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 15 12:10:42 2008 Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 11:48:37 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\P\081508\P0400.D (15 Aug 2008 10:01)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	9.66	114	509998	125.00	ng	0.00 88.47%
43) CI20	Chlorobenzene-D5	13.54	117	466987	125.00	ng	0.00 86.62%
62) CI30	1,4-Dichlorobenzene-	16.91	152	241847	125.00	ng	0.00 84.13%
System Monitoring Compounds							
30) CS87	Dibromofluoromethane	8.74	111	178500	129.73	ng	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery =	103.78%		
31) CS15	1,2-Dichloroethane-D	9.18	65	302942	138.72	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery =	110.98%		
44) CS05	Toluene-D8	11.57	98	650127	127.49	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery =	101.99%		
61) CS10	p-Bromofluorobenzene	15.19	174	177317	116.36	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery =	93.09%		

Target Compounds					Qvalue
2) C290	Dichlorodifluorometh	0.00	85	0	N.D.
3) C010	Chloromethane	0.00	50	0	N.D.
4) C020	Vinyl chloride	0.00	62	0	N.D.
5) C015	Bromomethane	0.00	94	0	N.D.
6) C025	Chloroethane	0.00	64	0	N.D.
7) C275	Trichlorofluorometha	0.00	101	0	N.D.
8) C045	1,1-Dichloroethene	0.00	96	0	N.D.
9) C030	Methylene chloride	6.68	84	3054	Below Cal # 53
10) C040	Carbon disulfide	6.50	76	111	N.D.
11) C036	Acrolein	5.98	56	892	N.D.
12) C038	Acrylonitrile	0.00	53	0	N.D.
13) C035	Acetone	6.09	43	112	N.D.
14) C300	Acetonitrile	0.00	41	0	N.D.
15) C276	Iodomethane	0.00	142	0	N.D.
16) C291	1,1,2 Trichloro-1,2,	0.00	101	0	N.D.
17) C962	T-butyl Methyl Ether	0.00	73	0	N.D.
18) C057	trans-1,2-Dichloroet	0.00	96	0	N.D.
19) C255	Methyl Acetate	0.00	43	0	N.D.
20) C050	1,1-Dichloroethane	0.00	63	0	N.D.
21) C125	Vinyl Acetate	0.00	43	0	N.D.
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.
23) C056	cis-1,2-Dichloroethe	0.00	96	0	N.D.
24) C272	Tetrahydrofuran	0.00	42	0	N.D.
25) C222	Bromochloromethane	0.00	128	0	N.D.
26) C060	Chloroform	8.55	83	119	N.D.
27) C115	1,1,1-Trichloroethan	0.00	97	0	N.D.
28) C120	Carbon tetrachloride	0.00	117	0	N.D.
29) C116	1,1-Dichloropropene	0.00	75	0	N.D.
32) C165	Benzene	9.29	78	162	N.D.

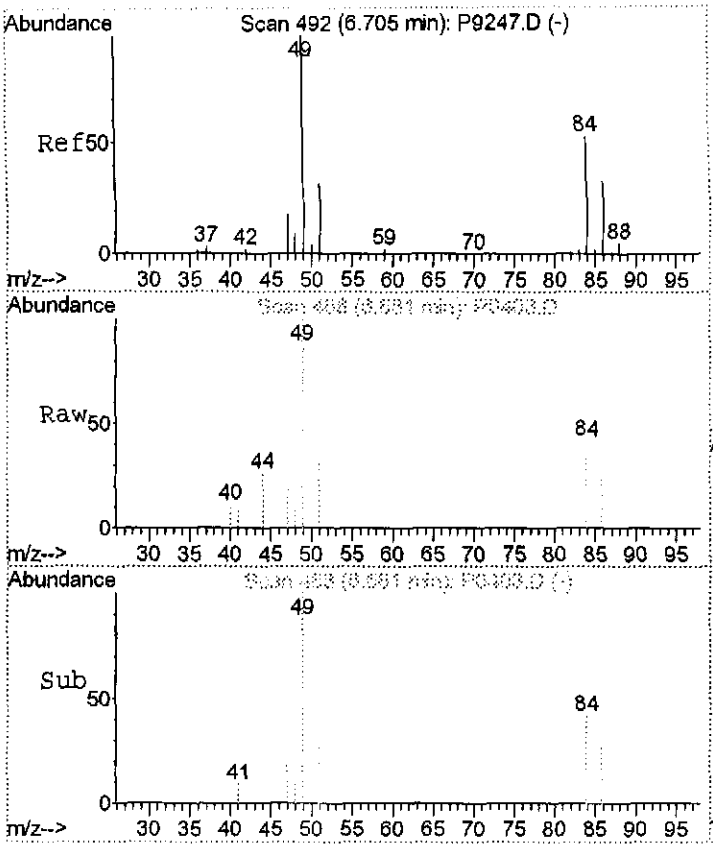
(#) = qualifier out of range (m) = manual integration

Data File : H:\GCMS_VOA\TEMP\P0403.D Vial: 4
Acq On : 15 Aug 2008 11:40 Operator: LH
Sample : VBLK36 Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 15 12:10:42 2008 Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 11:48:37 2008
Response via : Initial Calibration
DataAcq Meth : VOA

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
33)	C065	1,2-Dichloroethane	0.00	62	0	N.D.	
34)	C110	2-Butanone	0.00	43	0	N.D.	
35)	C256	Cyclohexane	0.00	56	0	N.D.	
36)	C150	Trichloroethene	0.00	95	0	N.D.	
37)	C140	1,2-Dichloropropane	0.00	63	0	N.D.	
38)	C278	Dibromomethane	0.00	93	0	N.D.	
39)	C130	Bromodichloromethane	0.00	83	0	N.D.	
40)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.	
41)	C012	Methylcycolhexane	0.00	83	0	N.D.	
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.	
45)	C230	Toluene	11.65	92	852	N.D.	
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.	
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.	
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.	
49)	C210	4-Methyl-2-pentanone	0.00	43	0	N.D.	
50)	C220	Tetrachloroethene	0.00	166	0	N.D.	
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.	
52)	C155	Dibromochloromethane	0.00	129	0	N.D.	
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.	
54)	C215	2-Hexanone	0.00	43	0	N.D.	
55)	C235	Chlorobenzene	13.59	112	162	N.D.	
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.	
57)	C240	Ethylbenzene	13.70	91	271	N.D.	
58)	C246	m,p-Xylene	0.00	106	0	N.D.	
59)	C247	o-Xylene	0.00	106	0	N.D.	
60)	C245	Styrene	0.00	104	0	N.D.	
63)	C180	Bromoform	0.00	173	0	N.D.	
64)	C966	Isopropylbenzene	14.93	105	115	N.D.	
65)	C301	Bromobenzene	0.00	156	0	N.D.	
66)	C225	1,1,2,2-Tetrachloroe	0.00	83	0	N.D.	
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.	
68)	C283	t-1,4-Dichloro-2-But	0.00	89	0	N.D.	
69)	C302	n-Propylbenzene	15.53	91	1148	N.D.	
70)	C303	2-Chlorotoluene	0.00	126	0	N.D.	
71)	C289	4-Chlorotoluene	0.00	126	0	N.D.	
72)	C304	1,3,5-Trimethylbenze	0.00	105	0	N.D.	
73)	C306	tert-Butylbenzene	0.00	134	0	N.D.	
74)	C307	1,2,4-Trimethylbenze	16.34	105	431	N.D.	
75)	C308	sec-Butylbenzene	16.60	105	1021	N.D.	
76)	C260	1,3-Dichlorobenzene	16.83	146	129	N.D.	
77)	C309	4-Isopropyltoluene	16.79	119	717	N.D.	
78)	C267	1,4-Dichlorobenzene	16.95	146	294	N.D.	
79)	C249	1,2-Dichlorobenzene	0.00	146	0	N.D.	
80)	C310	n-Butylbenzene	17.42	91	706	N.D.	
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.	
82)	C313	1,2,4-Trichlorobenze	19.95	180	590	N.D.	
83)	C316	Hexachlorobutadiene	20.17	225	754	N.D.	
84)	C314	Naphthalene	20.36	128	1083	N.D.	
85)	C934	1,2,3-Trichlorobenze	20.74	180	891	N.D.	

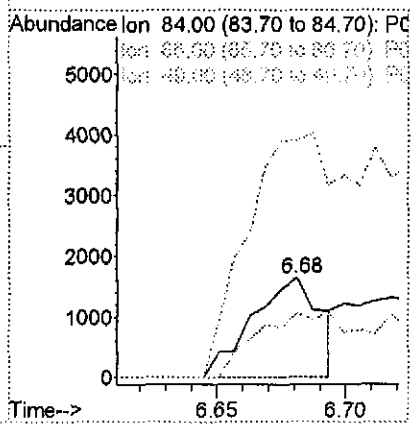
(#) = qualifier out of range (m) = manual integration



#9
C030 Methylene chloride
Concen: Below Cal
RT: 6.68 min Scan# 488
Delta R.T. 0.01 min
Lab File: P0403.D
Acq: 15 Aug 2008 11:40

Tgt Ion: 84 Resp: 3054

Ion	Ratio	Lower	Upper
84	100		
86	64.4	43.8	83.8
49	238.1	132.8	172.8#



METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: MSB36

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8B2069601

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0401.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	26	
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	26	
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	27	
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	0.45	J
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: MSB36

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8B2069601

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0401.RR

Level: (low/med) LOW Date Samp/Recv: _____ _____

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

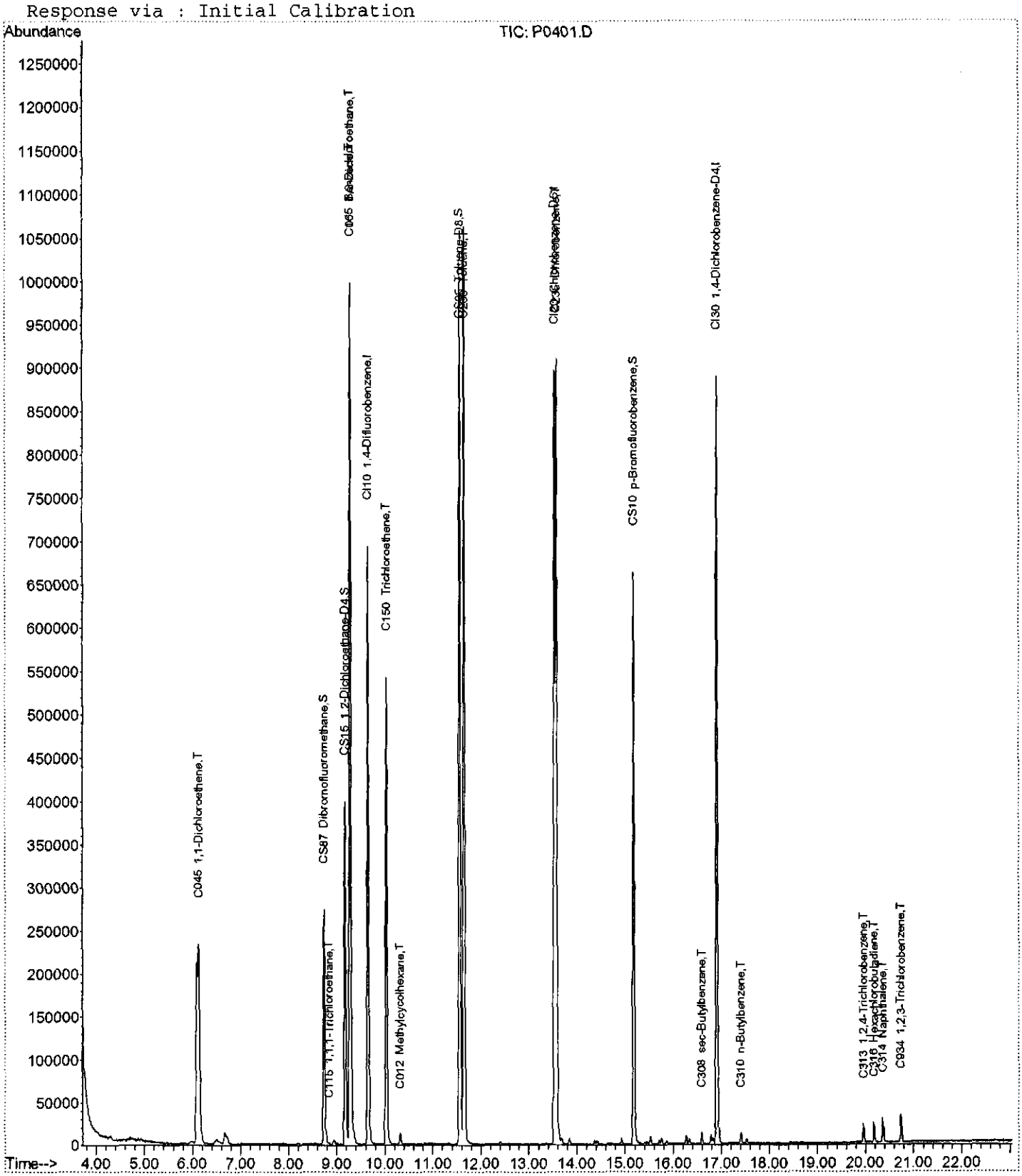
CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	25	
120-82-1	1,2,4-Trichlorobenzene	0.94	J
71-55-6	1,1,1-Trichloroethane	0.55	J
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	26	
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Data File : H:\GCMS_VOA\TEMP\P0401.D
Acq On : 15 Aug 2008 10:44
Sample : MSB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 11:46 2008

Vial: 2
Operator: LH
Inst : HP5973 P
Multiplr: 1.00

Quant Results File: A8I0000550.RES

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Sat Sep 06 09:07:07 2008
Response via : Initial Calibration



Quantitation Report

Data File : H:\GCMS_VOA\TEMP\P0401.D Vial: 2
Acq On : 15 Aug 2008 10:44 Operator: LH
Sample : MSB Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 15 11:46:33 2008 Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 11:46:25 2008
Response via : Initial Calibration
DataAcq Meth : VOA
IS QA File : H:\GCMS_VOA\P\081508\P0400.D (15 Aug 2008 10:01)

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI10	1,4-Difluorobenzene	9.65	114	542626	125.00	ng	0.00 94.13%
43) CI20	Chlorobenzene-D5	13.54	117	487520	125.00	ng	0.00 90.43%
62) CI30	1,4-Dichlorobenzene-	16.91	152	254944	125.00	ng	0.00 88.68%
System Monitoring Compounds							
30) CS87	Dibromofluoromethane	8.74	111	190395	130.05	ng	0.00
Spiked Amount	125.000	Range	70 - 130	Recovery	=	104.04%	
31) CS15	1,2-Dichloroethane-D	9.18	65	319787	137.63	ng	0.00
Spiked Amount	125.000	Range	66 - 137	Recovery	=	110.10%	
44) CS05	Toluene-D8	11.56	98	695859	130.71	ng	0.00
Spiked Amount	125.000	Range	71 - 126	Recovery	=	104.57%	
61) CS10	p-Bromofluorobenzene	15.19	174	187449	117.83	ng	0.00
Spiked Amount	125.000	Range	73 - 120	Recovery	=	94.26%	

Target Compounds							Qvalue
2) C290	Dichlorodifluorometh	3.88	85	110	N.D.		
3) C010	Chloromethane	4.17	50	810	N.D.		
4) C020	Vinyl chloride	4.39	62	420	N.D.		
5) C015	Bromomethane	0.00	94	0	N.D.		
6) C025	Chloroethane	0.00	64	0	N.D.		
7) C275	Trichlorofluorometha	5.47	101	254	N.D.		
8) C045	1,1-Dichloroethene	6.13	96	194408m	134.14	ng #	55
9) C030	Methylene chloride	6.67	84	5510	Below Cal	#	65
10) C040	Carbon disulfide	6.50	76	2654	N.D.		
11) C036	Acrolein	5.99	56	7483	N.D.		
12) C038	Acrylonitrile	6.96	53	127	N.D.		
13) C035	Acetone	6.12	43	5596	N.D.		
14) C300	Acetonitrile	6.49	41	4304	N.D.		
15) C276	Iodomethane	0.00	142	0	N.D.		
16) C291	1,1,2 Trichloro-1,2,	6.12	101	884	N.D.		
17) C962	T-butyl Methyl Ether	0.00	73	0	N.D.		
18) C057	trans-1,2-Dichloroet	7.02	96	264	N.D.		
19) C255	Methyl Acetate	6.49	43	933	N.D.		
20) C050	1,1-Dichloroethane	7.51	63	175	N.D.		
21) C125	Vinyl Acetate	7.51	43	402	N.D.		
22) C051	2,2-Dichloropropane	0.00	77	0	N.D.		
23) C056	cis-1,2-Dichloroethe	8.21	96	395	N.D.		
24) C272	Tetrahydrofuran	8.56	42	882	N.D.		
25) C222	Bromochloromethane	0.00	128	0	N.D.		
26) C060	Chloroform	8.54	83	627	N.D.		
27) C115	1,1,1-Trichloroethan	8.84	97	135	2.75	ng #	23
28) C120	Carbon tetrachloride	0.00	117	0	N.D.		
29) C116	1,1-Dichloropropene	9.02	75	878	N.D.		
32) C165	Benzene	9.28	78	817946	128.92	ng	98

(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : H:\GCMS_VOA\TEMP\P0401.D
Acq On : 15 Aug 2008 10:44
Sample : MSB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 11:46:33 2008

Vial: 2
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: A8I0000550.RES

Quant Method : C:\MSDCHEM\1...\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 11:46:25 2008
Response via : Initial Calibration
DataAcq Meth : VOA

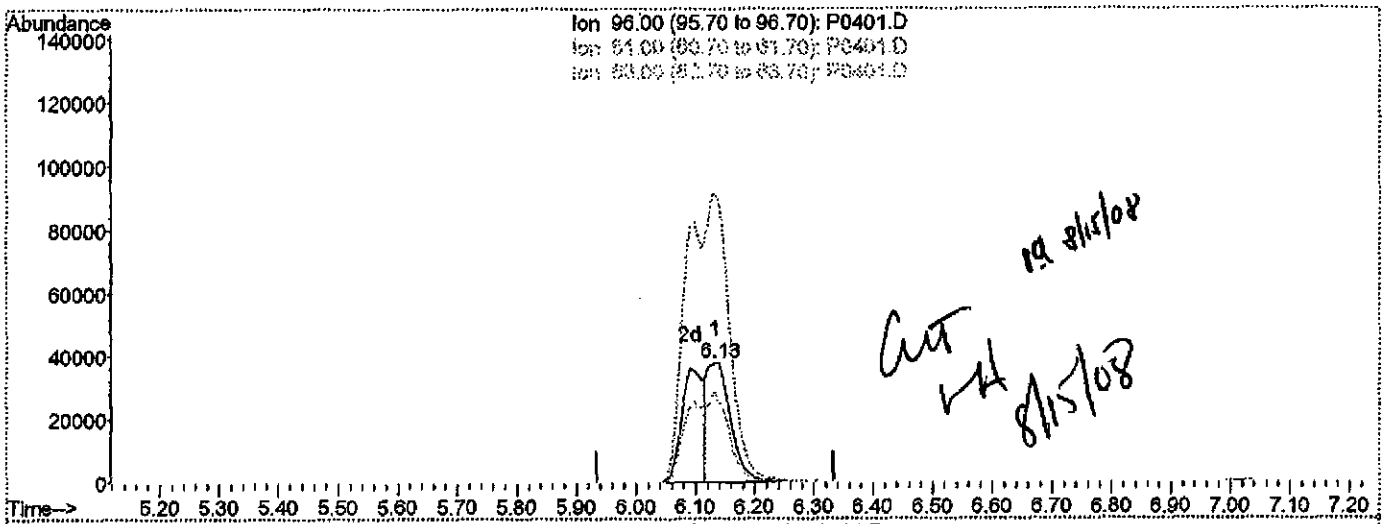
	Compound		R.T.	QIon	Response	Conc Unit		Qvalue
33)	C065	1,2-Dichloroethane	9.28	62	9416	3.12 ng	#	1
34)	C110	2-Butanone	8.18	43	1782	N.D.		
35)	C256	Cyclohexane	8.94	56	4257	N.D.		
36)	C150	Trichloroethene	10.03	95	204107	129.87 ng		99
37)	C140	1,2-Dichloropropane	0.00	63	0	N.D.		
38)	C278	Dibromomethane	0.00	93	0	N.D.		
39)	C130	Bromodichloromethane	0.00	83	0	N.D.		
40)	C161	2-Chloroethylvinyl E	0.00	63	0	N.D.		
41)	C012	Methylcycolhexane	10.33	83	4607	2.24 ng	#	73
42)	C145	cis-1,3-Dichloroprop	0.00	75	0	N.D.		
45)	C230	Toluene	11.65	92	475446	127.06 ng		99
46)	C170	trans-1,3-Dichloropr	0.00	75	0	N.D.		
47)	C284	Ethyl Methacrylate	0.00	69	0	N.D.		
48)	C160	1,1,2-Trichloroethan	0.00	83	0	N.D.		
49)	C210	4-Methyl-2-pentanone	11.32	43	1341	N.D.		
50)	C220	Tetrachloroethene	12.41	166	847	N.D.		
51)	C221	1,3-Dichloropropane	0.00	76	0	N.D.		
52)	C155	Dibromochloromethane	0.00	129	0	N.D.		
53)	C163	1,2-Dibromoethane	0.00	107	0	N.D.		
54)	C215	2-Hexanone	12.43	43	276	N.D.		
55)	C235	Chlorobenzene	13.58	112	499649	128.61 ng		99
56)	C281	1,1,1,2-Tetrachloroe	0.00	131	0	N.D.		
57)	C240	Ethylbenzene	13.69	91	4310	N.D.		
58)	C246	m,p-Xylene	13.84	106	2801	N.D.		
59)	C247	o-Xylene	14.43	106	746	N.D.		
60)	C245	Styrene	14.44	104	1094	N.D.		
63)	C180	Bromoform	0.00	173	0	N.D.		
64)	C966	Isopropylbenzene	14.92	105	5663	N.D.		
65)	C301	Bromobenzene	15.45	156	561	N.D.		
66)	C225	1,1,2,2-Tetrachloroe	15.33	83	253	N.D.		
67)	C282	1,2,3-Trichloropropa	0.00	110	0	N.D.		
68)	C283	t-1,4-Dichloro-2-But	0.00	89	0	N.D.		
69)	C302	n-Propylbenzene	15.53	91	10716	N.D.		
70)	C303	2-Chlorotoluene	15.72	126	1186	N.D.		
71)	C289	4-Chlorotoluene	15.87	126	958	N.D.		
72)	C304	1,3,5-Trimethylbenze	15.76	105	5272	N.D.		
73)	C306	tert-Butylbenzene	16.27	134	1197	N.D.		
74)	C307	1,2,4-Trimethylbenze	16.34	105	5616	N.D.		
75)	C308	sec-Butylbenzene	16.59	105	10586	1.91 ng		99
76)	C260	1,3-Dichlorobenzene	16.82	146	4083	N.D.		
77)	C309	4-Isopropyltoluene	16.79	119	8038	N.D.		
78)	C267	1,4-Dichlorobenzene	16.95	146	4619	N.D.		
79)	C249	1,2-Dichlorobenzene	17.52	146	3693	N.D.		
80)	C310	n-Butylbenzene	17.41	91	10003	2.14 ng		91
81)	C286	1,2-Dibromo-3-Chloro	0.00	75	0	N.D.		
82)	C313	1,2,4-Trichlorobenze	19.96	180	9262	4.68 ng		95
83)	C316	Hexachlorobutadiene	20.17	225	6108	8.24 ng		86
84)	C314	Naphthalene	20.36	128	28614	5.17 ng		94
85)	C934	1,2,3-Trichlorobenze	20.74	180	13307	7.30 ng		96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Qedit)

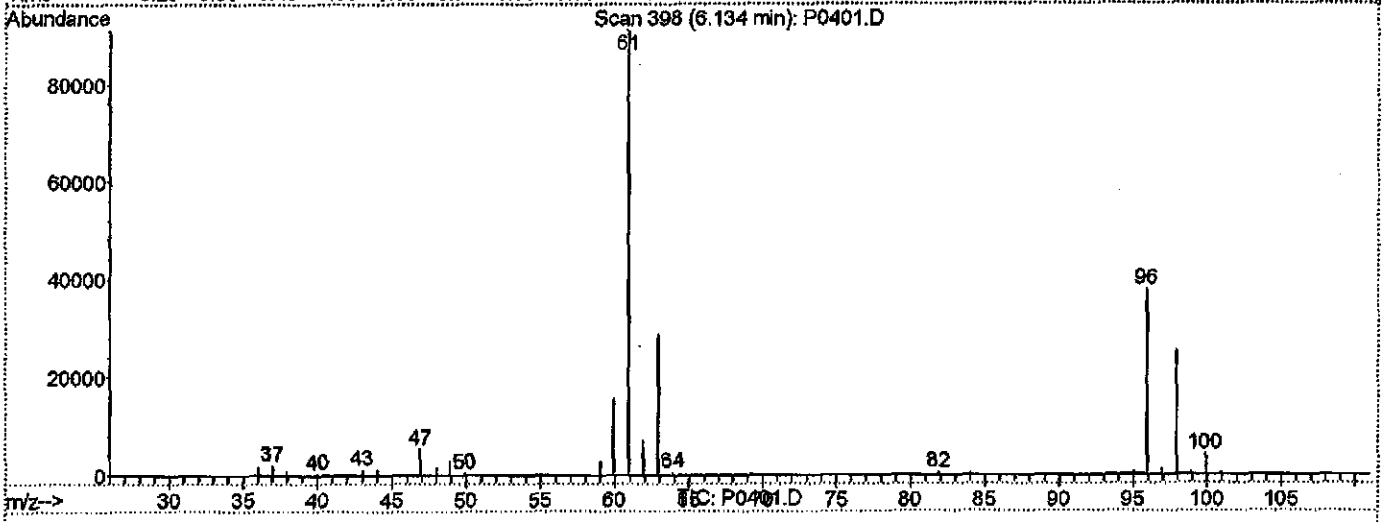
Data File : H:\GCMS_VOA\P\081508\P0401.D Vial: 2
Acq On : 15 Aug 2008 10:44 Operator: LH
Sample : MSB Inst : HP5973 P
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Aug 15 11:46 2008 Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 11:46:25 2008
Response via : Multiple Level Calibration



19 8/15/08

LH 8/15/08



(8) C045 1,1-Dichloroethene (T)

6.13min 70.79ng

response 102603

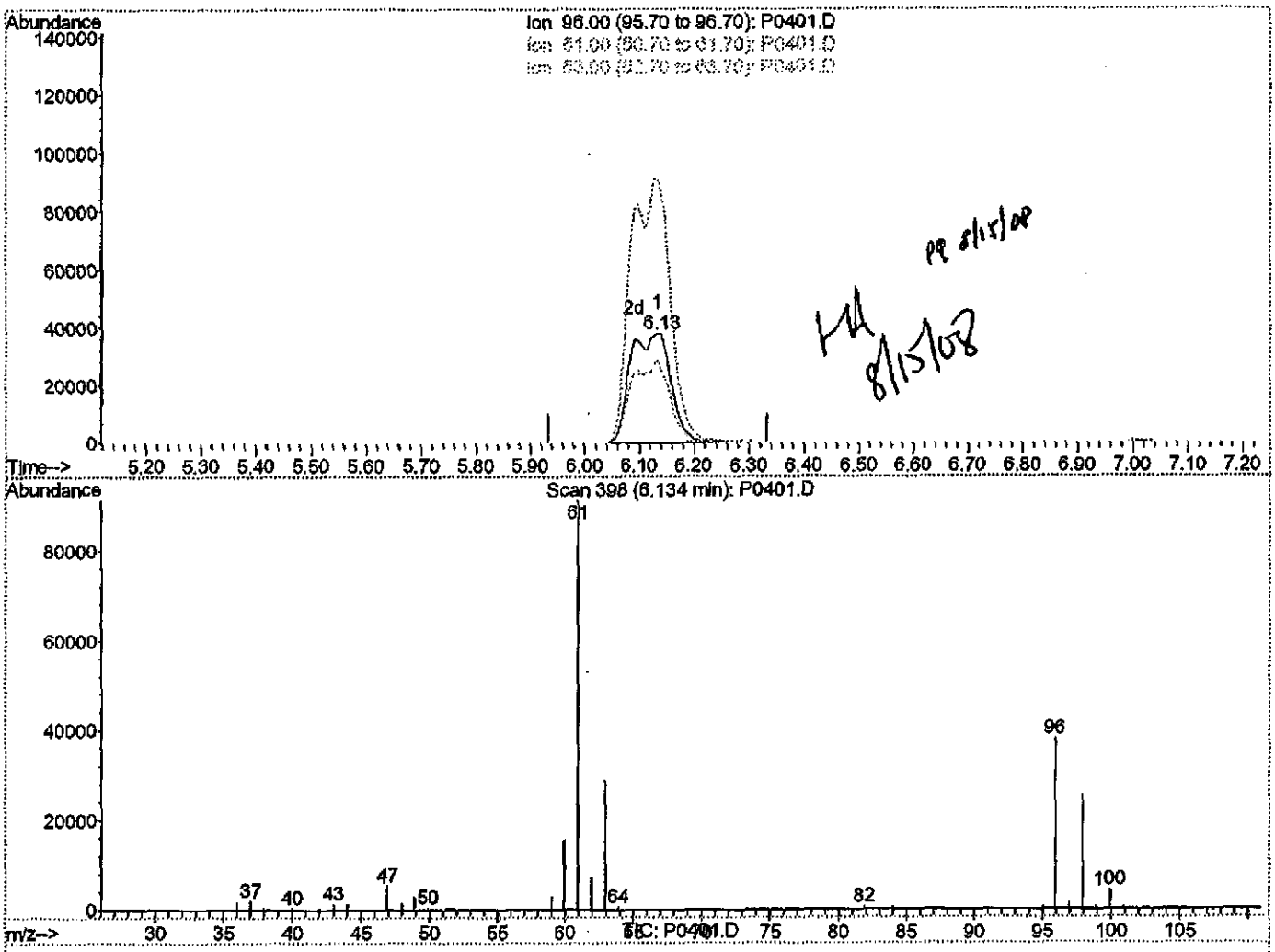
Ion	Exp%	Act%
96.00	100	100
61.00	169.60	240.83#
63.00	58.50	76.12
0.00	0.00	0.00

Quantitation Report (Qedit)

Data File : H:\GCMS_VOA\P\081508\P0401.D
Acq On : 15 Aug 2008 10:44
Sample : MSB
Misc :
MS Integration Params: RTEINT.P
Quant Time: Aug 15 11:46 2008

Vial: 2
Operator: LH
Inst : HP5973 P
Multiplr: 1.00
Quant Results File: temp.res

Method : C:\MSDCHEM\1\METHODS\8260_5ML\A8I0000550.M (RTE Integrator)
Title : 8260 5ML
Last Update : Fri Aug 15 11:46:25 2008
Response via : Multiple Level Calibration



pp 8/15/08
LH 8/15/08

(8) C045 1,1-Dichloroethene (T)

6.13min 134.14ng m

response 194408

Ion	Exp%	Act%
96.00	100	100
61.00	169.60	240.83#
63.00	58.50	76.12
0.00	0.00	0.00

GC/MS VOLATILE INJECTION LOG

Logbook # A08-04-02

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
7/22/08	0525	CDL	P9580	A08J480B	X498	5mL	7	1
	0553		P9581	04				1
	0621		P9582	05				1
	0649		P9583	06				1
	0717		P9584	07				1
	0745		P9585	08				1
	0813		P9586	09				1
	0840		P9587	10				1
	0908		P9588	11				1
	—	↓	P9589	12	↓	↓	↓	1
7/23/08		LH	P9590	0723BFBP1	7	5mL	7	7
			P9591	VSTD001				
			P9592	VSTD001				
			P9593	VSTD010				
			P9594	VSTD025				
			P9595	VSTD050				
			P9596	VSTD100				
			P9597	IBMK				
			P9598	VSTD001 (NA)				
			P9599	VSTD001				
			P9600	LH Replace VSTD001-25				
			P9601	VSTD001				
			P9602	VSTD001				
7/23/08	1550	LH	P9603	0723BFBP2	7	5mL	7	7
	1614		P9604	VSTD001				
	—		P9605	VSTD001				
	1710		P9606	VSTD010				
	1738		P9607	VSTD025				
	1806		P9608	VSTD050				
	1834		P9609	VSTD100				
	—		P9610	IBMK				
7/24/08	2156	LH	P9611	0724BFBP1	7	5mL	7	7
	1027		P9612	VSTD025				
	1106		P9613	MSD/SSCAL				
	1104		P9614	VBMK94				
	1102		P9615	VBMK95				
	1140		P9616	A88556.01	Y556			1
	1308	↓	P9617	02	↓	↓	0.00004	

REVIEWED BY_____ PAGE_____

GC/MS VOLATILE INJECTION LOG

Logbook # A08-04-02

STD #	IS/SS MIX #	Return?	pH <2	Comments
	ISSICCV4.4		X	
			X	
			X	
		Y	X	BLANK
		Y	X	
		Y	X	
		Y	X	
			X	
		Y	X	SURROGATE RECOVERY LOW - re-analyze next
			—	
	ISSLOEV1WY		—	PASS
				8260 (Ast...0550)
				NO SURR. SPK'D
WS1A6-4 WS6AJ-1 WS12AJ-10 WS13BF-8	ISSLOEV1WY		—	PASS
				(made wrong) 8260 (Ast...0550) + FLETCHER
WS1A6-4 WS6AJ-1 WS12AJ-10 WS13BF-8 WS19AU-1 WS19AV-8	ISSLOEV1WY		—	PASS 8260 (Ast...0550 FLETCHER)
			—	
			—	
			✓	

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GC/MS VOLATILE INJECTION LOG

Logbook # A08-04-02

Date	Time	Analyst	File #	Sample ID	Job#	Inj. Vol.	Ext. Wt.	D.F.
8/15/08	—	CAL	P0397	IRLK	—	5mL	1	1
	—		P0398	MDLV @ 2.5ng	MDLV	1	1	1
8/15/08	0937	MA	P0399	0815BFBP1	7	5mL	7	7
	1001		P0400	VSTD025				
	1044		P0401	IWSB				
	1112		P0402	MDLV@2.5ng				
	1140		P0403	VBLK36	1			1
	1210		P0404	A89621 01 (F)	9621			4
	1238		P0405	02 (F)				4
	1306		P0406	03 (F)				4
	1334		P0407	04				1
	1402		P0408	05 A+B				1
	1430		P0409	06 A+B				1
	1458		P0410	07				1
	1526		P0411	08	1			1
	1554		P0412	A89643 01 (F)	9643			4
	1622		P0413	02 A+B				1
	1649		P0414	03 A+B				1
	1717		P0415	04 A+B				1
	1745		P0416	06 (F)				4
	1813		P0417	07	1			1
	1841		P0418	A89716 01 (F)	9716			4
	1909		P0419	02 (F)				4
	1937		P0420	03 (F)				4
	2005		P0421	04 (F)				4
	2032		P0422	05 (F)				4
	2100		P0423	06				1
	—		P0424	05MS (F)				4
	—	—	P0425	05SD (F)	1	1	1	4
8/15/08		MA	P0426					

REVIEWED BY _____ PAGE 000048

GC/MS VOLATILE INJECTION LOG

Logbook # A08-04-02

STD #	IS/SS MIX #	Return	pH <2	Comments
	ISSOFN/XXL		—	NOT SPIKED
WS6AK-6 WS12AK-14 WS13BJ-8	1		—	1
WS1AH-2	ISSIOFN/XXL	-	—	PASS
WS6AK-6 WS12AK-14 WS13BJ-8			—	8260 (A8I...0550)
WS3AI-2			—	—
WS6AK-6 WS12AK-14 WS13BJ-8			—	—
1			—	—
			7	7
			7	7
			7	7
			X	X
			X	SEDIMENT
			X	1
			X	X
			X	X
		Y	7	SEDIMENT 1L 2X
			7	1
			X	1
			7	X
			X	7
			7	7
			7	7
			7	7
			7	7
			7	7
WS3AI-2			—	RUN SOMES MS/LD NOT CLIST REQ.
1	1		—	RUN POORLY + 1 JO42.5 NOT USED

REVIEWED BY _____ PAGE 000049

183/183

Centek Laboratories, LLC

Date: *22-Aug-08*

CLIENT:	Arcadis	**Client Sample ID:**	Effluent Combined 1-3
Lab Order:	C0808016	**Tag Number:**	360,
Project:	Utica - Soil Vapor	**Collection Date:**	8/13/2008
Lab ID:	C0808016-001A	**Matrix:**	

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Vacuum Reading "Hg	-2			"Hg		8/13/2008
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
1,1,1-Trichloroethane	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
1,1,2,2-Tetrachloroethane	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
1,1,2-Trichloroethane	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
1,1-Dichloroethane	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
1,1-Dichloroethene	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
1,2,4-Trichlorobenzene	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
1,2,4-Trimethylbenzene	0.22	0.15		ppbV	1	8/18/2008 4:55:00 PM
1,2-Dibromoethane	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
1,2-Dichlorobenzene	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
1,2-Dichloroethane	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
1,2-Dichloropropane	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
1,3,5-Trimethylbenzene	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
1,3-butadiene	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
1,3-Dichlorobenzene	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
1,4-Dichlorobenzene	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
1,4-Dioxane	ND	0.30		ppbV	1	8/18/2008 4:55:00 PM
2,2,4-trimethylpentane	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
4-ethyltoluene	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Acetone	1.3	0.30		ppbV	1	8/18/2008 4:55:00 PM
Allyl chloride	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Benzene	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Benzyl chloride	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Bromodichloromethane	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Bromoform	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Bromomethane	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Carbon disulfide	0.47	0.15		ppbV	1	8/18/2008 4:55:00 PM
Carbon tetrachloride	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Chlorobenzene	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Chloroethane	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Chloroform	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Chloromethane	0.20	0.15		ppbV	1	8/18/2008 4:55:00 PM
cis-1,2-Dichloroethene	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
cis-1,3-Dichloropropene	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Cyclohexane	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Dibromochloromethane	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Ethyl acetate	ND	0.25		ppbV	1	8/18/2008 4:55:00 PM
Ethylbenzene	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *22-Aug-08*

CLIENT:	Arcadis	**Client Sample ID:**	Effluent Combined 1-3
Lab Order:	C0808016	**Tag Number:**	360,
Project:	Utica - Soil Vapor	**Collection Date:**	8/13/2008
Lab ID:	C0808016-001A	**Matrix:**	

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
Freon 11	0.12	0.15	J	ppbV	1	8/18/2008 4:55:00 PM
Freon 113	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Freon 114	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Freon 12	3.0	1.5		ppbV	10	8/18/2008 9:38:00 PM
Heptane	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Hexachloro-1,3-butadiene	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Hexane	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Isopropyl alcohol	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
m&p-Xylene	0.16	0.30	J	ppbV	1	8/18/2008 4:55:00 PM
Methyl Butyl Ketone	ND	0.30		ppbV	1	8/18/2008 4:55:00 PM
Methyl Ethyl Ketone	1.4	0.30		ppbV	1	8/18/2008 4:55:00 PM
Methyl Isobutyl Ketone	ND	0.30		ppbV	1	8/18/2008 4:55:00 PM
Methyl tert-butyl ether	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Methylene chloride	4.9	1.5		ppbV	10	8/18/2008 9:38:00 PM
o-Xylene	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Propylene	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Styrene	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Tetrachloroethylene	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Tetrahydrofuran	1.6	0.15		ppbV	1	8/18/2008 4:55:00 PM
Toluene	0.23	0.15		ppbV	1	8/18/2008 4:55:00 PM
trans-1,2-Dichloroethene	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
trans-1,3-Dichloropropene	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Trichloroethene	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Vinyl acetate	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Vinyl Bromide	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Vinyl chloride	ND	0.15		ppbV	1	8/18/2008 4:55:00 PM
Surr: Bromofluorobenzene	89.0	70-130		%REC	1	8/18/2008 4:55:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *22-Aug-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-1
Lab Order:	C0808016	**Tag Number:**	419
Project:	Utica - Soil Vapor	**Collection Date:**	8/13/2008
Lab ID:	C0808016-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Vacuum Reading "Hg	-2			"Hg		8/13/2008
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
1,1,1-Trichloroethane	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
1,1,2,2-Tetrachloroethane	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
1,1,2-Trichloroethane	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
1,1-Dichloroethane	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
1,1-Dichloroethene	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
1,2,4-Trichlorobenzene	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
1,2,4-Trimethylbenzene	0.84	0.15		ppbV	1	8/16/2008 8:43:00 PM
1,2-Dibromoethane	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
1,2-Dichlorobenzene	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
1,2-Dichloroethane	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
1,2-Dichloropropane	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
1,3,5-Trimethylbenzene	0.25	0.15		ppbV	1	8/16/2008 8:43:00 PM
1,3-butadiene	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
1,3-Dichlorobenzene	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
1,4-Dichlorobenzene	0.41	0.15		ppbV	1	8/16/2008 8:43:00 PM
1,4-Dioxane	ND	0.30		ppbV	1	8/16/2008 8:43:00 PM
2,2,4-trimethylpentane	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
4-ethyltoluene	0.27	0.15		ppbV	1	8/16/2008 8:43:00 PM
Acetone	14	3.0		ppbV	10	8/16/2008 9:18:00 PM
Allyl chloride	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
Benzene	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
Benzyl chloride	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
Bromodichloromethane	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
Bromoform	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
Bromomethane	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
Carbon disulfide	0.43	0.15		ppbV	1	8/16/2008 8:43:00 PM
Carbon tetrachloride	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
Chlorobenzene	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
Chloroethane	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
Chloroform	1.5	1.5		ppbV	10	8/16/2008 9:18:00 PM
Chloromethane	0.19	0.15		ppbV	1	8/16/2008 8:43:00 PM
cis-1,2-Dichloroethene	2.7	1.5		ppbV	10	8/16/2008 9:18:00 PM
cis-1,3-Dichloropropene	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
Cyclohexane	1.0	0.15		ppbV	1	8/16/2008 8:43:00 PM
Dibromochloromethane	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
Ethyl acetate	ND	0.25		ppbV	1	8/16/2008 8:43:00 PM
Ethylbenzene	0.14	0.15	J	ppbV	1	8/16/2008 8:43:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *22-Aug-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-1
Lab Order:	C0808016	**Tag Number:**	419
Project:	Utica - Soil Vapor	**Collection Date:**	8/13/2008
Lab ID:	C0808016-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
Freon 11	1.4	0.15		ppbV	1	8/16/2008 8:43:00 PM
Freon 113	0.12	0.15	J	ppbV	1	8/16/2008 8:43:00 PM
Freon 114	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
Freon 12	0.68	0.15		ppbV	1	8/16/2008 8:43:00 PM
Heptane	3.0	1.5		ppbV	10	8/16/2008 9:18:00 PM
Hexachloro-1,3-butadiene	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
Hexane	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
Isopropyl alcohol	120	12		ppbV	80	8/18/2008 7:16:00 PM
m&p-Xylene	0.39	0.30		ppbV	1	8/16/2008 8:43:00 PM
Methyl Butyl Ketone	ND	0.30		ppbV	1	8/16/2008 8:43:00 PM
Methyl Ethyl Ketone	180	24		ppbV	80	8/18/2008 7:16:00 PM
Methyl Isobutyl Ketone	ND	0.30		ppbV	1	8/16/2008 8:43:00 PM
Methyl tert-butyl ether	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
Methylene chloride	14	1.5		ppbV	10	8/16/2008 9:18:00 PM
o-Xylene	0.16	0.15		ppbV	1	8/16/2008 8:43:00 PM
Propylene	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
Styrene	0.28	0.15		ppbV	1	8/16/2008 8:43:00 PM
Tetrachloroethylene	120	24		ppbV	160	8/18/2008 7:51:00 PM
Tetrahydrofuran	120	12		ppbV	80	8/18/2008 7:16:00 PM
Toluene	0.53	0.15		ppbV	1	8/16/2008 8:43:00 PM
trans-1,2-Dichloroethene	0.23	0.15		ppbV	1	8/16/2008 8:43:00 PM
trans-1,3-Dichloropropene	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
Trichloroethene	5.5	1.5		ppbV	10	8/16/2008 9:18:00 PM
Vinyl acetate	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
Vinyl Bromide	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
Vinyl chloride	ND	0.15		ppbV	1	8/16/2008 8:43:00 PM
Surr: Bromofluorobenzene	102	70-130		%REC	1	8/16/2008 8:43:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *22-Aug-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-2
Lab Order:	C0808016	**Tag Number:**	358
Project:	Utica - Soil Vapor	**Collection Date:**	8/13/2008
Lab ID:	C0808016-003A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Vacuum Reading "Hg	-2			"Hg		8/13/2008
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
1,1,1-Trichloroethane	2.7	1.5		ppbV	10	8/16/2008 11:06:00 PM
1,1,2,2-Tetrachloroethane	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
1,1,2-Trichloroethane	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
1,1-Dichloroethane	0.18	0.15		ppbV	1	8/16/2008 10:31:00 PM
1,1-Dichloroethene	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
1,2,4-Trichlorobenzene	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
1,2,4-Trimethylbenzene	0.39	0.15		ppbV	1	8/16/2008 10:31:00 PM
1,2-Dibromoethane	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
1,2-Dichlorobenzene	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
1,2-Dichloroethane	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
1,2-Dichloropropane	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
1,3,5-Trimethylbenzene	0.22	0.15		ppbV	1	8/16/2008 10:31:00 PM
1,3-butadiene	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
1,3-Dichlorobenzene	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
1,4-Dichlorobenzene	0.13	0.15	J	ppbV	1	8/16/2008 10:31:00 PM
1,4-Dioxane	ND	0.30		ppbV	1	8/16/2008 10:31:00 PM
2,2,4-trimethylpentane	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
4-ethyltoluene	0.11	0.15	J	ppbV	1	8/16/2008 10:31:00 PM
Acetone	19	3.0		ppbV	10	8/16/2008 11:06:00 PM
Allyl chloride	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
Benzene	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
Benzyl chloride	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
Bromodichloromethane	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
Bromoform	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
Bromomethane	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
Carbon disulfide	0.28	0.15		ppbV	1	8/16/2008 10:31:00 PM
Carbon tetrachloride	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
Chlorobenzene	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
Chloroethane	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
Chloroform	0.54	0.15		ppbV	1	8/16/2008 10:31:00 PM
Chloromethane	0.18	0.15		ppbV	1	8/16/2008 10:31:00 PM
cis-1,2-Dichloroethene	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
cis-1,3-Dichloropropene	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
Cyclohexane	1.0	0.15		ppbV	1	8/16/2008 10:31:00 PM
Dibromochloromethane	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
Ethyl acetate	ND	0.25		ppbV	1	8/16/2008 10:31:00 PM
Ethylbenzene	0.15	0.15		ppbV	1	8/16/2008 10:31:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *22-Aug-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-2
Lab Order:	C0808016	**Tag Number:**	358
Project:	Utica - Soil Vapor	**Collection Date:**	8/13/2008
Lab ID:	C0808016-003A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
Freon 11	1.2	0.15		ppbV	1	8/16/2008 10:31:00 PM
Freon 113	0.22	0.15		ppbV	1	8/16/2008 10:31:00 PM
Freon 114	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
Freon 12	6.0	1.5		ppbV	10	8/16/2008 11:06:00 PM
Heptane	0.36	0.15		ppbV	1	8/16/2008 10:31:00 PM
Hexachloro-1,3-butadiene	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
Hexane	0.85	0.15		ppbV	1	8/16/2008 10:31:00 PM
Isopropyl alcohol	220	24		ppbV	160	8/18/2008 9:03:00 PM
m&p-Xylene	0.44	0.30		ppbV	1	8/16/2008 10:31:00 PM
Methyl Butyl Ketone	ND	0.30		ppbV	1	8/16/2008 10:31:00 PM
Methyl Ethyl Ketone	3.1	3.0		ppbV	10	8/16/2008 11:06:00 PM
Methyl Isobutyl Ketone	0.13	0.30	J	ppbV	1	8/16/2008 10:31:00 PM
Methyl tert-butyl ether	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
Methylene chloride	6.3	1.5		ppbV	10	8/16/2008 11:06:00 PM
o-Xylene	0.18	0.15		ppbV	1	8/16/2008 10:31:00 PM
Propylene	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
Styrene	0.20	0.15		ppbV	1	8/16/2008 10:31:00 PM
Tetrachloroethylene	3.0	1.5		ppbV	10	8/16/2008 11:06:00 PM
Tetrahydrofuran	1.8	1.5		ppbV	10	8/16/2008 11:06:00 PM
Toluene	1.1	0.15		ppbV	1	8/16/2008 10:31:00 PM
trans-1,2-Dichloroethene	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
trans-1,3-Dichloropropene	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
Trichloroethene	4.4	1.5		ppbV	10	8/16/2008 11:06:00 PM
Vinyl acetate	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
Vinyl Bromide	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
Vinyl chloride	ND	0.15		ppbV	1	8/16/2008 10:31:00 PM
Surr: Bromofluorobenzene	94.0	70-130		%REC	1	8/16/2008 10:31:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *22-Aug-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-3
Lab Order:	C0808016	**Tag Number:**	222
Project:	Utica - Soil Vapor	**Collection Date:**	8/13/2008
Lab ID:	C0808016-004A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Vacuum Reading "Hg	-2			"Hg		8/13/2008
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
1,1,1-Trichloroethane	0.13	0.15	J	ppbV	1	8/18/2008 3:35:00 PM
1,1,2,2-Tetrachloroethane	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
1,1,2-Trichloroethane	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
1,1-Dichloroethane	0.23	0.15		ppbV	1	8/18/2008 3:35:00 PM
1,1-Dichloroethene	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
1,2,4-Trichlorobenzene	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
1,2,4-Trimethylbenzene	0.28	0.15		ppbV	1	8/18/2008 3:35:00 PM
1,2-Dibromoethane	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
1,2-Dichlorobenzene	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
1,2-Dichloroethane	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
1,2-Dichloropropane	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
1,3,5-Trimethylbenzene	0.10	0.15	J	ppbV	1	8/18/2008 3:35:00 PM
1,3-butadiene	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
1,3-Dichlorobenzene	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
1,4-Dichlorobenzene	0.44	0.15		ppbV	1	8/18/2008 3:35:00 PM
1,4-Dioxane	ND	0.30		ppbV	1	8/18/2008 3:35:00 PM
2,2,4-trimethylpentane	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
4-ethyltoluene	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
Acetone	6.8	3.0		ppbV	10	8/18/2008 4:11:00 PM
Allyl chloride	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
Benzene	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
Benzyl chloride	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
Bromodichloromethane	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
Bromoform	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
Bromomethane	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
Carbon disulfide	0.63	0.15		ppbV	1	8/18/2008 3:35:00 PM
Carbon tetrachloride	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
Chlorobenzene	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
Chloroethane	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
Chloroform	1.1	0.15		ppbV	1	8/18/2008 3:35:00 PM
Chloromethane	0.22	0.15		ppbV	1	8/18/2008 3:35:00 PM
cis-1,2-Dichloroethene	0.50	0.15		ppbV	1	8/18/2008 3:35:00 PM
cis-1,3-Dichloropropene	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
Cyclohexane	0.21	0.15		ppbV	1	8/18/2008 3:35:00 PM
Dibromochloromethane	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
Ethyl acetate	ND	0.25		ppbV	1	8/18/2008 3:35:00 PM
Ethylbenzene	0.15	0.15		ppbV	1	8/18/2008 3:35:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *22-Aug-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-3
Lab Order:	C0808016	**Tag Number:**	222
Project:	Utica - Soil Vapor	**Collection Date:**	8/13/2008
Lab ID:	C0808016-004A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
Freon 11	0.27	0.15		ppbV	1	8/18/2008 3:35:00 PM
Freon 113	0.27	0.15		ppbV	1	8/18/2008 3:35:00 PM
Freon 114	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
Freon 12	0.38	0.15		ppbV	1	8/18/2008 3:35:00 PM
Heptane	0.13	0.15	J	ppbV	1	8/18/2008 3:35:00 PM
Hexachloro-1,3-butadiene	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
Hexane	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
Isopropyl alcohol	20	1.5		ppbV	10	8/18/2008 4:11:00 PM
m&p-Xylene	0.41	0.30		ppbV	1	8/18/2008 3:35:00 PM
Methyl Butyl Ketone	ND	0.30		ppbV	1	8/18/2008 3:35:00 PM
Methyl Ethyl Ketone	29	6.0		ppbV	20	8/18/2008 6:42:00 PM
Methyl Isobutyl Ketone	ND	0.30		ppbV	1	8/18/2008 3:35:00 PM
Methyl tert-butyl ether	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
Methylene chloride	16	1.5		ppbV	10	8/18/2008 4:11:00 PM
o-Xylene	0.16	0.15		ppbV	1	8/18/2008 3:35:00 PM
Propylene	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
Styrene	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
Tetrachloroethylene	4.3	1.5		ppbV	10	8/18/2008 4:11:00 PM
Tetrahydrofuran	37	3.0		ppbV	20	8/18/2008 6:42:00 PM
Toluene	0.57	0.15		ppbV	1	8/18/2008 3:35:00 PM
trans-1,2-Dichloroethene	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
trans-1,3-Dichloropropene	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
Trichloroethene	1.6	1.5		ppbV	10	8/18/2008 4:11:00 PM
Vinyl acetate	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
Vinyl Bromide	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
Vinyl chloride	ND	0.15		ppbV	1	8/18/2008 3:35:00 PM
Surr: Bromofluorobenzene	99.0	70-130		%REC	1	8/18/2008 3:35:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *22-Aug-08*

CLIENT:	Arcadis	**Client Sample ID:**	Effluent Combined 1-3
Lab Order:	C0808016	**Tag Number:**	360,
Project:	Utica - Soil Vapor	**Collection Date:**	8/13/2008
Lab ID:	C0808016-001A	**Matrix:**	

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Vacuum Reading "Hg	-2			"Hg		8/13/2008
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	8/18/2008 4:55:00 PM
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	8/18/2008 4:55:00 PM
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	8/18/2008 4:55:00 PM
1,1-Dichloroethane	ND	0.62		ug/m3	1	8/18/2008 4:55:00 PM
1,1-Dichloroethene	ND	0.60		ug/m3	1	8/18/2008 4:55:00 PM
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	8/18/2008 4:55:00 PM
1,2,4-Trimethylbenzene	1.1	0.75		ug/m3	1	8/18/2008 4:55:00 PM
1,2-Dibromoethane	ND	1.2		ug/m3	1	8/18/2008 4:55:00 PM
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	8/18/2008 4:55:00 PM
1,2-Dichloroethane	ND	0.62		ug/m3	1	8/18/2008 4:55:00 PM
1,2-Dichloropropane	ND	0.70		ug/m3	1	8/18/2008 4:55:00 PM
1,3,5-Trimethylbenzene	ND	0.75		ug/m3	1	8/18/2008 4:55:00 PM
1,3-butadiene	ND	0.34		ug/m3	1	8/18/2008 4:55:00 PM
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	8/18/2008 4:55:00 PM
1,4-Dichlorobenzene	ND	0.92		ug/m3	1	8/18/2008 4:55:00 PM
1,4-Dioxane	ND	1.1		ug/m3	1	8/18/2008 4:55:00 PM
2,2,4-trimethylpentane	ND	0.71		ug/m3	1	8/18/2008 4:55:00 PM
4-ethyltoluene	ND	0.75		ug/m3	1	8/18/2008 4:55:00 PM
Acetone	3.2	0.72		ug/m3	1	8/18/2008 4:55:00 PM
Allyl chloride	ND	0.48		ug/m3	1	8/18/2008 4:55:00 PM
Benzene	ND	0.49		ug/m3	1	8/18/2008 4:55:00 PM
Benzyl chloride	ND	0.88		ug/m3	1	8/18/2008 4:55:00 PM
Bromodichloromethane	ND	1.0		ug/m3	1	8/18/2008 4:55:00 PM
Bromoform	ND	1.6		ug/m3	1	8/18/2008 4:55:00 PM
Bromomethane	ND	0.59		ug/m3	1	8/18/2008 4:55:00 PM
Carbon disulfide	1.5	0.47		ug/m3	1	8/18/2008 4:55:00 PM
Carbon tetrachloride	ND	0.96		ug/m3	1	8/18/2008 4:55:00 PM
Chlorobenzene	ND	0.70		ug/m3	1	8/18/2008 4:55:00 PM
Chloroethane	ND	0.40		ug/m3	1	8/18/2008 4:55:00 PM
Chloroform	ND	0.74		ug/m3	1	8/18/2008 4:55:00 PM
Chloromethane	0.42	0.31		ug/m3	1	8/18/2008 4:55:00 PM
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	8/18/2008 4:55:00 PM
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	8/18/2008 4:55:00 PM
Cyclohexane	ND	0.52		ug/m3	1	8/18/2008 4:55:00 PM
Dibromochloromethane	ND	1.3		ug/m3	1	8/18/2008 4:55:00 PM
Ethyl acetate	ND	0.92		ug/m3	1	8/18/2008 4:55:00 PM
Ethylbenzene	ND	0.66		ug/m3	1	8/18/2008 4:55:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *22-Aug-08*

CLIENT:	Arcadis	**Client Sample ID:**	Effluent Combined 1-3
Lab Order:	C0808016	**Tag Number:**	360,
Project:	Utica - Soil Vapor	**Collection Date:**	8/13/2008
Lab ID:	C0808016-001A	**Matrix:**	

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
Freon 11	0.69	0.86	J	ug/m3	1	8/18/2008 4:55:00 PM
Freon 113	ND	1.2		ug/m3	1	8/18/2008 4:55:00 PM
Freon 114	ND	1.1		ug/m3	1	8/18/2008 4:55:00 PM
Freon 12	15	7.5		ug/m3	10	8/18/2008 9:38:00 PM
Heptane	ND	0.62		ug/m3	1	8/18/2008 4:55:00 PM
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	8/18/2008 4:55:00 PM
Hexane	ND	0.54		ug/m3	1	8/18/2008 4:55:00 PM
Isopropyl alcohol	ND	0.37		ug/m3	1	8/18/2008 4:55:00 PM
m&p-Xylene	0.71	1.3	J	ug/m3	1	8/18/2008 4:55:00 PM
Methyl Butyl Ketone	ND	1.2		ug/m3	1	8/18/2008 4:55:00 PM
Methyl Ethyl Ketone	4.3	0.90		ug/m3	1	8/18/2008 4:55:00 PM
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	8/18/2008 4:55:00 PM
Methyl tert-butyl ether	ND	0.55		ug/m3	1	8/18/2008 4:55:00 PM
Methylene chloride	17	5.3		ug/m3	10	8/18/2008 9:38:00 PM
o-Xylene	ND	0.66		ug/m3	1	8/18/2008 4:55:00 PM
Propylene	ND	0.26		ug/m3	1	8/18/2008 4:55:00 PM
Styrene	ND	0.65		ug/m3	1	8/18/2008 4:55:00 PM
Tetrachloroethylene	ND	1.0		ug/m3	1	8/18/2008 4:55:00 PM
Tetrahydrofuran	4.9	0.45		ug/m3	1	8/18/2008 4:55:00 PM
Toluene	0.88	0.57		ug/m3	1	8/18/2008 4:55:00 PM
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	8/18/2008 4:55:00 PM
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	8/18/2008 4:55:00 PM
Trichloroethene	ND	0.82		ug/m3	1	8/18/2008 4:55:00 PM
Vinyl acetate	ND	0.54		ug/m3	1	8/18/2008 4:55:00 PM
Vinyl Bromide	ND	0.67		ug/m3	1	8/18/2008 4:55:00 PM
Vinyl chloride	ND	0.39		ug/m3	1	8/18/2008 4:55:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *22-Aug-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-1
Lab Order:	C0808016	**Tag Number:**	419
Project:	Utica - Soil Vapor	**Collection Date:**	8/13/2008
Lab ID:	C0808016-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Vacuum Reading "Hg	-2			"Hg		8/13/2008
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	8/16/2008 8:43:00 PM
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	8/16/2008 8:43:00 PM
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	8/16/2008 8:43:00 PM
1,1-Dichloroethane	ND	0.62		ug/m3	1	8/16/2008 8:43:00 PM
1,1-Dichloroethene	ND	0.60		ug/m3	1	8/16/2008 8:43:00 PM
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	8/16/2008 8:43:00 PM
1,2,4-Trimethylbenzene	4.2	0.75		ug/m3	1	8/16/2008 8:43:00 PM
1,2-Dibromoethane	ND	1.2		ug/m3	1	8/16/2008 8:43:00 PM
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	8/16/2008 8:43:00 PM
1,2-Dichloroethane	ND	0.62		ug/m3	1	8/16/2008 8:43:00 PM
1,2-Dichloropropane	ND	0.70		ug/m3	1	8/16/2008 8:43:00 PM
1,3,5-Trimethylbenzene	1.2	0.75		ug/m3	1	8/16/2008 8:43:00 PM
1,3-butadiene	ND	0.34		ug/m3	1	8/16/2008 8:43:00 PM
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	8/16/2008 8:43:00 PM
1,4-Dichlorobenzene	2.5	0.92		ug/m3	1	8/16/2008 8:43:00 PM
1,4-Dioxane	ND	1.1		ug/m3	1	8/16/2008 8:43:00 PM
2,2,4-trimethylpentane	ND	0.71		ug/m3	1	8/16/2008 8:43:00 PM
4-ethyltoluene	1.3	0.75		ug/m3	1	8/16/2008 8:43:00 PM
Acetone	35	7.2		ug/m3	10	8/16/2008 9:18:00 PM
Allyl chloride	ND	0.48		ug/m3	1	8/16/2008 8:43:00 PM
Benzene	ND	0.49		ug/m3	1	8/16/2008 8:43:00 PM
Benzyl chloride	ND	0.88		ug/m3	1	8/16/2008 8:43:00 PM
Bromodichloromethane	ND	1.0		ug/m3	1	8/16/2008 8:43:00 PM
Bromoform	ND	1.6		ug/m3	1	8/16/2008 8:43:00 PM
Bromomethane	ND	0.59		ug/m3	1	8/16/2008 8:43:00 PM
Carbon disulfide	1.4	0.47		ug/m3	1	8/16/2008 8:43:00 PM
Carbon tetrachloride	ND	0.96		ug/m3	1	8/16/2008 8:43:00 PM
Chlorobenzene	ND	0.70		ug/m3	1	8/16/2008 8:43:00 PM
Chloroethane	ND	0.40		ug/m3	1	8/16/2008 8:43:00 PM
Chloroform	7.4	7.4		ug/m3	10	8/16/2008 9:18:00 PM
Chloromethane	0.40	0.31		ug/m3	1	8/16/2008 8:43:00 PM
cis-1,2-Dichloroethene	11	6.0		ug/m3	10	8/16/2008 9:18:00 PM
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	8/16/2008 8:43:00 PM
Cyclohexane	3.6	0.52		ug/m3	1	8/16/2008 8:43:00 PM
Dibromochloromethane	ND	1.3		ug/m3	1	8/16/2008 8:43:00 PM
Ethyl acetate	ND	0.92		ug/m3	1	8/16/2008 8:43:00 PM
Ethylbenzene	0.62	0.66	J	ug/m3	1	8/16/2008 8:43:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *22-Aug-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-1
Lab Order:	C0808016	**Tag Number:**	419
Project:	Utica - Soil Vapor	**Collection Date:**	8/13/2008
Lab ID:	C0808016-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
Freon 11	8.0	0.86		ug/m3	1	8/16/2008 8:43:00 PM
Freon 113	0.93	1.2	J	ug/m3	1	8/16/2008 8:43:00 PM
Freon 114	ND	1.1		ug/m3	1	8/16/2008 8:43:00 PM
Freon 12	3.4	0.75		ug/m3	1	8/16/2008 8:43:00 PM
Heptane	12	6.2		ug/m3	10	8/16/2008 9:18:00 PM
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	8/16/2008 8:43:00 PM
Hexane	ND	0.54		ug/m3	1	8/16/2008 8:43:00 PM
Isopropyl alcohol	300	30		ug/m3	80	8/18/2008 7:16:00 PM
m&p-Xylene	1.7	1.3		ug/m3	1	8/16/2008 8:43:00 PM
Methyl Butyl Ketone	ND	1.2		ug/m3	1	8/16/2008 8:43:00 PM
Methyl Ethyl Ketone	540	72		ug/m3	80	8/18/2008 7:16:00 PM
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	8/16/2008 8:43:00 PM
Methyl tert-butyl ether	ND	0.55		ug/m3	1	8/16/2008 8:43:00 PM
Methylene chloride	48	5.3		ug/m3	10	8/16/2008 9:18:00 PM
o-Xylene	0.71	0.66		ug/m3	1	8/16/2008 8:43:00 PM
Propylene	ND	0.26		ug/m3	1	8/16/2008 8:43:00 PM
Styrene	1.2	0.65		ug/m3	1	8/16/2008 8:43:00 PM
Tetrachloroethylene	830	170		ug/m3	160	8/18/2008 7:51:00 PM
Tetrahydrofuran	360	36		ug/m3	80	8/18/2008 7:16:00 PM
Toluene	2.0	0.57		ug/m3	1	8/16/2008 8:43:00 PM
trans-1,2-Dichloroethene	0.93	0.60		ug/m3	1	8/16/2008 8:43:00 PM
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	8/16/2008 8:43:00 PM
Trichloroethene	30	8.2		ug/m3	10	8/16/2008 9:18:00 PM
Vinyl acetate	ND	0.54		ug/m3	1	8/16/2008 8:43:00 PM
Vinyl Bromide	ND	0.67		ug/m3	1	8/16/2008 8:43:00 PM
Vinyl chloride	ND	0.39		ug/m3	1	8/16/2008 8:43:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *22-Aug-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-2
Lab Order:	C0808016	**Tag Number:**	358
Project:	Utica - Soil Vapor	**Collection Date:**	8/13/2008
Lab ID:	C0808016-003A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Vacuum Reading "Hg	-2			"Hg		8/13/2008
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
1,1,1-Trichloroethane	15	8.3		ug/m3	10	8/16/2008 11:06:00 PM
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	8/16/2008 10:31:00 PM
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	8/16/2008 10:31:00 PM
1,1-Dichloroethane	0.74	0.62		ug/m3	1	8/16/2008 10:31:00 PM
1,1-Dichloroethene	ND	0.60		ug/m3	1	8/16/2008 10:31:00 PM
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	8/16/2008 10:31:00 PM
1,2,4-Trimethylbenzene	1.9	0.75		ug/m3	1	8/16/2008 10:31:00 PM
1,2-Dibromoethane	ND	1.2		ug/m3	1	8/16/2008 10:31:00 PM
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	8/16/2008 10:31:00 PM
1,2-Dichloroethane	ND	0.62		ug/m3	1	8/16/2008 10:31:00 PM
1,2-Dichloropropane	ND	0.70		ug/m3	1	8/16/2008 10:31:00 PM
1,3,5-Trimethylbenzene	1.1	0.75		ug/m3	1	8/16/2008 10:31:00 PM
1,3-butadiene	ND	0.34		ug/m3	1	8/16/2008 10:31:00 PM
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	8/16/2008 10:31:00 PM
1,4-Dichlorobenzene	0.79	0.92	J	ug/m3	1	8/16/2008 10:31:00 PM
1,4-Dioxane	ND	1.1		ug/m3	1	8/16/2008 10:31:00 PM
2,2,4-trimethylpentane	ND	0.71		ug/m3	1	8/16/2008 10:31:00 PM
4-ethyltoluene	0.55	0.75	J	ug/m3	1	8/16/2008 10:31:00 PM
Acetone	45	7.2		ug/m3	10	8/16/2008 11:06:00 PM
Allyl chloride	ND	0.48		ug/m3	1	8/16/2008 10:31:00 PM
Benzene	ND	0.49		ug/m3	1	8/16/2008 10:31:00 PM
Benzyl chloride	ND	0.88		ug/m3	1	8/16/2008 10:31:00 PM
Bromodichloromethane	ND	1.0		ug/m3	1	8/16/2008 10:31:00 PM
Bromoform	ND	1.6		ug/m3	1	8/16/2008 10:31:00 PM
Bromomethane	ND	0.59		ug/m3	1	8/16/2008 10:31:00 PM
Carbon disulfide	0.89	0.47		ug/m3	1	8/16/2008 10:31:00 PM
Carbon tetrachloride	ND	0.96		ug/m3	1	8/16/2008 10:31:00 PM
Chlorobenzene	ND	0.70		ug/m3	1	8/16/2008 10:31:00 PM
Chloroethane	ND	0.40		ug/m3	1	8/16/2008 10:31:00 PM
Chloroform	2.7	0.74		ug/m3	1	8/16/2008 10:31:00 PM
Chloromethane	0.38	0.31		ug/m3	1	8/16/2008 10:31:00 PM
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	8/16/2008 10:31:00 PM
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	8/16/2008 10:31:00 PM
Cyclohexane	3.6	0.52		ug/m3	1	8/16/2008 10:31:00 PM
Dibromochloromethane	ND	1.3		ug/m3	1	8/16/2008 10:31:00 PM
Ethyl acetate	ND	0.92		ug/m3	1	8/16/2008 10:31:00 PM
Ethylbenzene	0.66	0.66		ug/m3	1	8/16/2008 10:31:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *22-Aug-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-2
Lab Order:	C0808016	**Tag Number:**	358
Project:	Utica - Soil Vapor	**Collection Date:**	8/13/2008
Lab ID:	C0808016-003A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
Freon 11	6.6	0.86		ug/m3	1	8/16/2008 10:31:00 PM
Freon 113	1.7	1.2		ug/m3	1	8/16/2008 10:31:00 PM
Freon 114	ND	1.1		ug/m3	1	8/16/2008 10:31:00 PM
Freon 12	30	7.5		ug/m3	10	8/16/2008 11:06:00 PM
Heptane	1.5	0.62		ug/m3	1	8/16/2008 10:31:00 PM
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	8/16/2008 10:31:00 PM
Hexane	3.0	0.54		ug/m3	1	8/16/2008 10:31:00 PM
Isopropyl alcohol	550	60		ug/m3	160	8/18/2008 9:03:00 PM
m&p-Xylene	1.9	1.3		ug/m3	1	8/16/2008 10:31:00 PM
Methyl Butyl Ketone	ND	1.2		ug/m3	1	8/16/2008 10:31:00 PM
Methyl Ethyl Ketone	9.3	9.0		ug/m3	10	8/16/2008 11:06:00 PM
Methyl Isobutyl Ketone	0.54	1.2	J	ug/m3	1	8/16/2008 10:31:00 PM
Methyl tert-butyl ether	ND	0.55		ug/m3	1	8/16/2008 10:31:00 PM
Methylene chloride	22	5.3		ug/m3	10	8/16/2008 11:06:00 PM
o-Xylene	0.79	0.66		ug/m3	1	8/16/2008 10:31:00 PM
Propylene	ND	0.26		ug/m3	1	8/16/2008 10:31:00 PM
Styrene	0.87	0.65		ug/m3	1	8/16/2008 10:31:00 PM
Tetrachloroethylene	21	10		ug/m3	10	8/16/2008 11:06:00 PM
Tetrahydrofuran	5.4	4.5		ug/m3	10	8/16/2008 11:06:00 PM
Toluene	4.4	0.57		ug/m3	1	8/16/2008 10:31:00 PM
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	8/16/2008 10:31:00 PM
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	8/16/2008 10:31:00 PM
Trichloroethene	24	8.2		ug/m3	10	8/16/2008 11:06:00 PM
Vinyl acetate	ND	0.54		ug/m3	1	8/16/2008 10:31:00 PM
Vinyl Bromide	ND	0.67		ug/m3	1	8/16/2008 10:31:00 PM
Vinyl chloride	ND	0.39		ug/m3	1	8/16/2008 10:31:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *22-Aug-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-3
Lab Order:	C0808016	**Tag Number:**	222
Project:	Utica - Soil Vapor	**Collection Date:**	8/13/2008
Lab ID:	C0808016-004A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Vacuum Reading "Hg	-2			"Hg		8/13/2008
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
1,1,1-Trichloroethane	0.72	0.83	J	ug/m3	1	8/18/2008 3:35:00 PM
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	8/18/2008 3:35:00 PM
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	8/18/2008 3:35:00 PM
1,1-Dichloroethane	0.95	0.62		ug/m3	1	8/18/2008 3:35:00 PM
1,1-Dichloroethene	ND	0.60		ug/m3	1	8/18/2008 3:35:00 PM
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	8/18/2008 3:35:00 PM
1,2,4-Trimethylbenzene	1.4	0.75		ug/m3	1	8/18/2008 3:35:00 PM
1,2-Dibromoethane	ND	1.2		ug/m3	1	8/18/2008 3:35:00 PM
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	8/18/2008 3:35:00 PM
1,2-Dichloroethane	ND	0.62		ug/m3	1	8/18/2008 3:35:00 PM
1,2-Dichloropropane	ND	0.70		ug/m3	1	8/18/2008 3:35:00 PM
1,3,5-Trimethylbenzene	0.50	0.75	J	ug/m3	1	8/18/2008 3:35:00 PM
1,3-butadiene	ND	0.34		ug/m3	1	8/18/2008 3:35:00 PM
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	8/18/2008 3:35:00 PM
1,4-Dichlorobenzene	2.7	0.92		ug/m3	1	8/18/2008 3:35:00 PM
1,4-Dioxane	ND	1.1		ug/m3	1	8/18/2008 3:35:00 PM
2,2,4-trimethylpentane	ND	0.71		ug/m3	1	8/18/2008 3:35:00 PM
4-ethyltoluene	ND	0.75		ug/m3	1	8/18/2008 3:35:00 PM
Acetone	16	7.2		ug/m3	10	8/18/2008 4:11:00 PM
Allyl chloride	ND	0.48		ug/m3	1	8/18/2008 3:35:00 PM
Benzene	ND	0.49		ug/m3	1	8/18/2008 3:35:00 PM
Benzyl chloride	ND	0.88		ug/m3	1	8/18/2008 3:35:00 PM
Bromodichloromethane	ND	1.0		ug/m3	1	8/18/2008 3:35:00 PM
Bromoform	ND	1.6		ug/m3	1	8/18/2008 3:35:00 PM
Bromomethane	ND	0.59		ug/m3	1	8/18/2008 3:35:00 PM
Carbon disulfide	2.0	0.47		ug/m3	1	8/18/2008 3:35:00 PM
Carbon tetrachloride	ND	0.96		ug/m3	1	8/18/2008 3:35:00 PM
Chlorobenzene	ND	0.70		ug/m3	1	8/18/2008 3:35:00 PM
Chloroethane	ND	0.40		ug/m3	1	8/18/2008 3:35:00 PM
Chloroform	5.6	0.74		ug/m3	1	8/18/2008 3:35:00 PM
Chloromethane	0.46	0.31		ug/m3	1	8/18/2008 3:35:00 PM
cis-1,2-Dichloroethene	2.0	0.60		ug/m3	1	8/18/2008 3:35:00 PM
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	8/18/2008 3:35:00 PM
Cyclohexane	0.73	0.52		ug/m3	1	8/18/2008 3:35:00 PM
Dibromochloromethane	ND	1.3		ug/m3	1	8/18/2008 3:35:00 PM
Ethyl acetate	ND	0.92		ug/m3	1	8/18/2008 3:35:00 PM
Ethylbenzene	0.66	0.66		ug/m3	1	8/18/2008 3:35:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *22-Aug-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-3
Lab Order:	C0808016	**Tag Number:**	222
Project:	Utica - Soil Vapor	**Collection Date:**	8/13/2008
Lab ID:	C0808016-004A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
Freon 11	1.5	0.86		ug/m3	1	8/18/2008 3:35:00 PM
Freon 113	2.1	1.2		ug/m3	1	8/18/2008 3:35:00 PM
Freon 114	ND	1.1		ug/m3	1	8/18/2008 3:35:00 PM
Freon 12	1.9	0.75		ug/m3	1	8/18/2008 3:35:00 PM
Heptane	0.54	0.62	J	ug/m3	1	8/18/2008 3:35:00 PM
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	8/18/2008 3:35:00 PM
Hexane	ND	0.54		ug/m3	1	8/18/2008 3:35:00 PM
Isopropyl alcohol	51	3.7		ug/m3	10	8/18/2008 4:11:00 PM
m&p-Xylene	1.8	1.3		ug/m3	1	8/18/2008 3:35:00 PM
Methyl Butyl Ketone	ND	1.2		ug/m3	1	8/18/2008 3:35:00 PM
Methyl Ethyl Ketone	88	18		ug/m3	20	8/18/2008 6:42:00 PM
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	8/18/2008 3:35:00 PM
Methyl tert-butyl ether	ND	0.55		ug/m3	1	8/18/2008 3:35:00 PM
Methylene chloride	57	5.3		ug/m3	10	8/18/2008 4:11:00 PM
o-Xylene	0.71	0.66		ug/m3	1	8/18/2008 3:35:00 PM
Propylene	ND	0.26		ug/m3	1	8/18/2008 3:35:00 PM
Styrene	ND	0.65		ug/m3	1	8/18/2008 3:35:00 PM
Tetrachloroethylene	30	10		ug/m3	10	8/18/2008 4:11:00 PM
Tetrahydrofuran	110	9.0		ug/m3	20	8/18/2008 6:42:00 PM
Toluene	2.2	0.57		ug/m3	1	8/18/2008 3:35:00 PM
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	8/18/2008 3:35:00 PM
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	8/18/2008 3:35:00 PM
Trichloroethene	8.7	8.2		ug/m3	10	8/18/2008 4:11:00 PM
Vinyl acetate	ND	0.54		ug/m3	1	8/18/2008 3:35:00 PM
Vinyl Bromide	ND	0.67		ug/m3	1	8/18/2008 3:35:00 PM
Vinyl chloride	ND	0.39		ug/m3	1	8/18/2008 3:35:00 PM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

143 Midler Park Drive
Syracuse, NY 13206
Phone: 315-431-9730 Fax: 315-431-9731 Emergency: 315-416-2751 / 416-2752

Chain of Custody

Site Name: LMC-Utica
Project: ~~NF~~ Vapor
PO#: NJ000630.0001
Other:

Detection Limit	Report Level
☑ 5ppbv	☐ Level I
☑ 1ug/M3	☐ Level II
☐ 1ug/M3 +TCE .25	☐ Cat "B" Like

Turnaround Time:	Check One	Rush TAT Surcharge %	Due Date:
5 Business Days	☑	0%	
4 Business Days	☐	35%	
3 Business Days	☐	50%	
2 Business Days	☐	75%	
Next Day by 5pm	☐	100%	
Next Day by Noon	☐	150%	
Same Day	☐	200%	

Company: ARCADIS
Report: (Todd Carignan)
405 New Karner Rd.
Albany, NY 12205
Phone: (518) 452-7826
Fax: (518) 452-4398
Email: todd.carignan@arcadis-us.com

Company:
Invoice:
Phone:
Fax:
Email:

Sample ID	Date Sampled	Canister Number	Regulator Number	Analysis Request	Comments	Vacuum Start/Stop
Effluent combined 1-3	08/13/08	360	—	VOCs	Method TO-15	
SDS-1	08/13/08	419	←	VOCs	M. TO-15	
SDS-2	08/13/08	358	—	VOCs	M. TO-15	
SDS-3	08/13/08	222	—	VOCs	M. TO-15	
2 empty canisters						

	Print Name	Signature	Date/Time	Courier:
Chain of Custody Sampled by:	Gretchen Miles		8/13/08	1430
Relinquished by:	Gretchen Miles		08/13/08	1500
Received at Lab by:	Jan Scale			

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Centek Laboratories, LLC

Date: *21-Oct-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-1
Lab Order:	C0810016	**Tag Number:**	272
Project:	LHC Solvent Dock - NJ 631	**Collection Date:**	10/10/2008
Lab ID:	C0810016-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Vacuum Reading "Hg	-1			"Hg		10/10/2008
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
1,1,1-Trichloroethane	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
1,1,2,2-Tetrachloroethane	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
1,1,2-Trichloroethane	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
1,1-Dichloroethane	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
1,1-Dichloroethene	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
1,2,4-Trichlorobenzene	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
1,2,4-Trimethylbenzene	0.29	0.15		ppbV	1	10/17/2008 5:57:00 AM
1,2-Dibromoethane	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
1,2-Dichlorobenzene	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
1,2-Dichloroethane	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
1,2-Dichloropropane	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
1,3,5-Trimethylbenzene	0.12	0.15	J	ppbV	1	10/17/2008 5:57:00 AM
1,3-butadiene	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
1,3-Dichlorobenzene	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
1,4-Dichlorobenzene	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
1,4-Dioxane	ND	0.30		ppbV	1	10/17/2008 5:57:00 AM
2,2,4-trimethylpentane	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
4-ethyltoluene	0.12	0.15	J	ppbV	1	10/17/2008 5:57:00 AM
Acetone	7.9	3.0		ppbV	10	10/17/2008 6:31:00 AM
Allyl chloride	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Benzene	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Benzyl chloride	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Bromodichloromethane	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Bromoform	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Bromomethane	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Carbon disulfide	0.43	0.15		ppbV	1	10/17/2008 5:57:00 AM
Carbon tetrachloride	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Chlorobenzene	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Chloroethane	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Chloroform	2.4	1.5		ppbV	10	10/17/2008 6:31:00 AM
Chloromethane	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
cis-1,2-Dichloroethene	9.7	1.5		ppbV	10	10/17/2008 6:31:00 AM
cis-1,3-Dichloropropene	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Cyclohexane	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Dibromochloromethane	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Ethyl acetate	ND	0.25		ppbV	1	10/17/2008 5:57:00 AM
Ethylbenzene	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Oct-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-1
Lab Order:	C0810016	**Tag Number:**	272
Project:	LHC Solvent Dock - NJ 631	**Collection Date:**	10/10/2008
Lab ID:	C0810016-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
Freon 11	0.71	0.15		ppbV	1	10/17/2008 5:57:00 AM
Freon 113	0.14	0.15	J	ppbV	1	10/17/2008 5:57:00 AM
Freon 114	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Freon 12	0.39	0.15		ppbV	1	10/17/2008 5:57:00 AM
Heptane	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Hexachloro-1,3-butadiene	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Hexane	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Isopropyl alcohol	19	1.5		ppbV	10	10/17/2008 6:31:00 AM
m&p-Xylene	0.14	0.30	J	ppbV	1	10/17/2008 5:57:00 AM
Methyl Butyl Ketone	ND	0.30		ppbV	1	10/17/2008 5:57:00 AM
Methyl Ethyl Ketone	210	38		ppbV	128	10/17/2008 11:53:00 PM
Methyl Isobutyl Ketone	ND	0.30		ppbV	1	10/17/2008 5:57:00 AM
Methyl tert-butyl ether	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Methylene chloride	2.5	1.5		ppbV	10	10/17/2008 6:31:00 AM
o-Xylene	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Propylene	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Styrene	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Tetrachloroethylene	1000	190		ppbV	1280	10/17/2008 11:19:00 PM
Tetrahydrofuran	130	19		ppbV	128	10/17/2008 11:53:00 PM
Toluene	0.33	0.15		ppbV	1	10/17/2008 5:57:00 AM
trans-1,2-Dichloroethene	0.39	0.15		ppbV	1	10/17/2008 5:57:00 AM
trans-1,3-Dichloropropene	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Trichloroethene	16	1.5		ppbV	10	10/17/2008 6:31:00 AM
Vinyl acetate	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Vinyl Bromide	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Vinyl chloride	ND	0.15		ppbV	1	10/17/2008 5:57:00 AM
Surr: Bromofluorobenzene	97.0	70-130		%REC	1	10/17/2008 5:57:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Oct-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-2
Lab Order:	C0810016	**Tag Number:**	165
Project:	LHC Solvent Dock - NJ 631	**Collection Date:**	10/10/2008
Lab ID:	C0810016-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Vacuum Reading "Hg	-1			"Hg		10/10/2008
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
1,1,1-Trichloroethane	4.6	1.5		ppbV	10	10/17/2008 7:40:00 AM
1,1,2,2-Tetrachloroethane	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
1,1,2-Trichloroethane	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
1,1-Dichloroethane	0.22	0.15		ppbV	1	10/17/2008 7:06:00 AM
1,1-Dichloroethene	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
1,2,4-Trichlorobenzene	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
1,2,4-Trimethylbenzene	0.18	0.15		ppbV	1	10/17/2008 7:06:00 AM
1,2-Dibromoethane	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
1,2-Dichlorobenzene	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
1,2-Dichloroethane	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
1,2-Dichloropropane	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
1,3,5-Trimethylbenzene	0.11	0.15	J	ppbV	1	10/17/2008 7:06:00 AM
1,3-butadiene	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
1,3-Dichlorobenzene	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
1,4-Dichlorobenzene	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
1,4-Dioxane	ND	0.30		ppbV	1	10/17/2008 7:06:00 AM
2,2,4-trimethylpentane	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
4-ethyltoluene	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Acetone	5.5	3.0		ppbV	10	10/17/2008 7:40:00 AM
Allyl chloride	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Benzene	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Benzyl chloride	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Bromodichloromethane	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Bromoform	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Bromomethane	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Carbon disulfide	0.23	0.15		ppbV	1	10/17/2008 7:06:00 AM
Carbon tetrachloride	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Chlorobenzene	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Chloroethane	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Chloroform	0.74	0.15		ppbV	1	10/17/2008 7:06:00 AM
Chloromethane	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
cis-1,2-Dichloroethene	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
cis-1,3-Dichloropropene	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Cyclohexane	0.23	0.15		ppbV	1	10/17/2008 7:06:00 AM
Dibromochloromethane	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Ethyl acetate	ND	0.25		ppbV	1	10/17/2008 7:06:00 AM
Ethylbenzene	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Oct-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-2
Lab Order:	C0810016	**Tag Number:**	165
Project:	LHC Solvent Dock - NJ 631	**Collection Date:**	10/10/2008
Lab ID:	C0810016-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
Freon 11	0.54	0.15		ppbV	1	10/17/2008 7:06:00 AM
Freon 113	0.30	0.15		ppbV	1	10/17/2008 7:06:00 AM
Freon 114	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Freon 12	15	1.5		ppbV	10	10/17/2008 7:40:00 AM
Heptane	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Hexachloro-1,3-butadiene	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Hexane	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Isopropyl alcohol	140	12		ppbV	80	10/20/2008 10:12:00 PM
m&p-Xylene	0.12	0.30	J	ppbV	1	10/17/2008 7:06:00 AM
Methyl Butyl Ketone	ND	0.30		ppbV	1	10/17/2008 7:06:00 AM
Methyl Ethyl Ketone	1.6	0.30		ppbV	1	10/17/2008 7:06:00 AM
Methyl Isobutyl Ketone	ND	0.30		ppbV	1	10/17/2008 7:06:00 AM
Methyl tert-butyl ether	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Methylene chloride	1.7	0.15		ppbV	1	10/17/2008 7:06:00 AM
o-Xylene	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Propylene	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Styrene	0.12	0.15	J	ppbV	1	10/17/2008 7:06:00 AM
Tetrachloroethylene	8.2	1.5		ppbV	10	10/17/2008 7:40:00 AM
Tetrahydrofuran	0.61	0.15		ppbV	1	10/17/2008 7:06:00 AM
Toluene	0.25	0.15		ppbV	1	10/17/2008 7:06:00 AM
trans-1,2-Dichloroethene	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
trans-1,3-Dichloropropene	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Trichloroethene	9.9	1.5		ppbV	10	10/17/2008 7:40:00 AM
Vinyl acetate	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Vinyl Bromide	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Vinyl chloride	ND	0.15		ppbV	1	10/17/2008 7:06:00 AM
Surr: Bromofluorobenzene	96.0	70-130		%REC	1	10/17/2008 7:06:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Oct-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-3
Lab Order:	C0810016	**Tag Number:**	479
Project:	LHC Solvent Dock - NJ 631	**Collection Date:**	10/10/2008
Lab ID:	C0810016-003A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Vacuum Reading "Hg	-1			"Hg		10/10/2008
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
1,1,1-Trichloroethane	0.10	0.15	J	ppbV	1	10/17/2008 8:15:00 AM
1,1,2,2-Tetrachloroethane	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
1,1,2-Trichloroethane	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
1,1-Dichloroethane	0.24	0.15		ppbV	1	10/17/2008 8:15:00 AM
1,1-Dichloroethene	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
1,2,4-Trichlorobenzene	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
1,2,4-Trimethylbenzene	0.21	0.15		ppbV	1	10/17/2008 8:15:00 AM
1,2-Dibromoethane	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
1,2-Dichlorobenzene	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
1,2-Dichloroethane	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
1,2-Dichloropropane	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
1,3,5-Trimethylbenzene	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
1,3-butadiene	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
1,3-Dichlorobenzene	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
1,4-Dichlorobenzene	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
1,4-Dioxane	ND	0.30		ppbV	1	10/17/2008 8:15:00 AM
2,2,4-trimethylpentane	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
4-ethyltoluene	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Acetone	34	6.0		ppbV	20	10/18/2008 1:00:00 AM
Allyl chloride	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Benzene	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Benzyl chloride	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Bromodichloromethane	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Bromoform	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Bromomethane	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Carbon disulfide	0.72	0.15		ppbV	1	10/17/2008 8:15:00 AM
Carbon tetrachloride	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Chlorobenzene	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Chloroethane	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Chloroform	0.52	0.15		ppbV	1	10/17/2008 8:15:00 AM
Chloromethane	0.17	0.15		ppbV	1	10/17/2008 8:15:00 AM
cis-1,2-Dichloroethene	0.56	0.15		ppbV	1	10/17/2008 8:15:00 AM
cis-1,3-Dichloropropene	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Cyclohexane	0.21	0.15		ppbV	1	10/17/2008 8:15:00 AM
Dibromochloromethane	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Ethyl acetate	ND	0.25		ppbV	1	10/17/2008 8:15:00 AM
Ethylbenzene	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Oct-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-3
Lab Order:	C0810016	**Tag Number:**	479
Project:	LHC Solvent Dock - NJ 631	**Collection Date:**	10/10/2008
Lab ID:	C0810016-003A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
Freon 11	0.27	0.15		ppbV	1	10/17/2008 8:15:00 AM
Freon 113	0.25	0.15		ppbV	1	10/17/2008 8:15:00 AM
Freon 114	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Freon 12	0.47	0.15		ppbV	1	10/17/2008 8:15:00 AM
Heptane	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Hexachloro-1,3-butadiene	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Hexane	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Isopropyl alcohol	150	12		ppbV	80	10/18/2008 1:33:00 AM
m&p-Xylene	0.14	0.30	J	ppbV	1	10/17/2008 8:15:00 AM
Methyl Butyl Ketone	ND	0.30		ppbV	1	10/17/2008 8:15:00 AM
Methyl Ethyl Ketone	31	6.0		ppbV	20	10/18/2008 1:00:00 AM
Methyl Isobutyl Ketone	ND	0.30		ppbV	1	10/17/2008 8:15:00 AM
Methyl tert-butyl ether	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Methylene chloride	19	1.5		ppbV	10	10/17/2008 8:49:00 AM
o-Xylene	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Propylene	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Styrene	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Tetrachloroethylene	8.5	1.5		ppbV	10	10/17/2008 8:49:00 AM
Tetrahydrofuran	26	3.0		ppbV	20	10/18/2008 1:00:00 AM
Toluene	0.23	0.15		ppbV	1	10/17/2008 8:15:00 AM
trans-1,2-Dichloroethene	0.12	0.15	J	ppbV	1	10/17/2008 8:15:00 AM
trans-1,3-Dichloropropene	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Trichloroethene	3.1	1.5		ppbV	10	10/17/2008 8:49:00 AM
Vinyl acetate	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Vinyl Bromide	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Vinyl chloride	ND	0.15		ppbV	1	10/17/2008 8:15:00 AM
Surr: Bromofluorobenzene	94.0	70-130		%REC	1	10/17/2008 8:15:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Oct-08*

CLIENT:	Arcadis	**Client Sample ID:**	Effluent
Lab Order:	C0810016	**Tag Number:**	430
Project:	LHC Solvent Dock - NJ 631	**Collection Date:**	10/10/2008
Lab ID:	C0810016-004A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Vacuum Reading "Hg	-1			"Hg		10/10/2008
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
1,1,1-Trichloroethane	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
1,1,2,2-Tetrachloroethane	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
1,1,2-Trichloroethane	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
1,1-Dichloroethane	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
1,1-Dichloroethene	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
1,2,4-Trichlorobenzene	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
1,2,4-Trimethylbenzene	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
1,2-Dibromoethane	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
1,2-Dichlorobenzene	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
1,2-Dichloroethane	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
1,2-Dichloropropane	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
1,3,5-Trimethylbenzene	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
1,3-butadiene	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
1,3-Dichlorobenzene	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
1,4-Dichlorobenzene	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
1,4-Dioxane	ND	0.30		ppbV	1	10/17/2008 9:24:00 AM
2,2,4-trimethylpentane	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
4-ethyltoluene	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Acetone	0.78	0.30		ppbV	1	10/17/2008 9:24:00 AM
Allyl chloride	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Benzene	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Benzyl chloride	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Bromodichloromethane	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Bromoform	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Bromomethane	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Carbon disulfide	0.28	0.15		ppbV	1	10/17/2008 9:24:00 AM
Carbon tetrachloride	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Chlorobenzene	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Chloroethane	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Chloroform	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Chloromethane	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
cis-1,2-Dichloroethene	0.17	0.15		ppbV	1	10/17/2008 9:24:00 AM
cis-1,3-Dichloropropene	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Cyclohexane	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Dibromochloromethane	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Ethyl acetate	ND	0.25		ppbV	1	10/17/2008 9:24:00 AM
Ethylbenzene	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Oct-08*

CLIENT:	Arcadis	**Client Sample ID:**	Effluent
Lab Order:	C0810016	**Tag Number:**	430
Project:	LHC Solvent Dock - NJ 631	**Collection Date:**	10/10/2008
Lab ID:	C0810016-004A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
Freon 11	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Freon 113	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Freon 114	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Freon 12	3.8	1.5		ppbV	10	10/17/2008 9:58:00 AM
Heptane	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Hexachloro-1,3-butadiene	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Hexane	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Isopropyl alcohol	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
m&p-Xylene	ND	0.30		ppbV	1	10/17/2008 9:24:00 AM
Methyl Butyl Ketone	ND	0.30		ppbV	1	10/17/2008 9:24:00 AM
Methyl Ethyl Ketone	0.35	0.30		ppbV	1	10/17/2008 9:24:00 AM
Methyl Isobutyl Ketone	ND	0.30		ppbV	1	10/17/2008 9:24:00 AM
Methyl tert-butyl ether	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Methylene chloride	15	1.5		ppbV	10	10/17/2008 9:58:00 AM
o-Xylene	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Propylene	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Styrene	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Tetrachloroethylene	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Tetrahydrofuran	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Toluene	0.30	0.15		ppbV	1	10/17/2008 9:24:00 AM
trans-1,2-Dichloroethene	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
trans-1,3-Dichloropropene	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Trichloroethene	0.41	0.15		ppbV	1	10/17/2008 9:24:00 AM
Vinyl acetate	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Vinyl Bromide	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Vinyl chloride	ND	0.15		ppbV	1	10/17/2008 9:24:00 AM
Surr: Bromofluorobenzene	79.0	70-130		%REC	1	10/17/2008 9:24:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Oct-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-1
Lab Order:	C0810016	**Tag Number:**	272
Project:	LHC Solvent Dock - NJ 631	**Collection Date:**	10/10/2008
Lab ID:	C0810016-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Vacuum Reading "Hg	-1			"Hg		10/10/2008
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	10/17/2008 5:57:00 AM
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	10/17/2008 5:57:00 AM
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	10/17/2008 5:57:00 AM
1,1-Dichloroethane	ND	0.62		ug/m3	1	10/17/2008 5:57:00 AM
1,1-Dichloroethene	ND	0.60		ug/m3	1	10/17/2008 5:57:00 AM
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	10/17/2008 5:57:00 AM
1,2,4-Trimethylbenzene	1.4	0.75		ug/m3	1	10/17/2008 5:57:00 AM
1,2-Dibromoethane	ND	1.2		ug/m3	1	10/17/2008 5:57:00 AM
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	10/17/2008 5:57:00 AM
1,2-Dichloroethane	ND	0.62		ug/m3	1	10/17/2008 5:57:00 AM
1,2-Dichloropropane	ND	0.70		ug/m3	1	10/17/2008 5:57:00 AM
1,3,5-Trimethylbenzene	0.60	0.75	J	ug/m3	1	10/17/2008 5:57:00 AM
1,3-butadiene	ND	0.34		ug/m3	1	10/17/2008 5:57:00 AM
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	10/17/2008 5:57:00 AM
1,4-Dichlorobenzene	ND	0.92		ug/m3	1	10/17/2008 5:57:00 AM
1,4-Dioxane	ND	1.1		ug/m3	1	10/17/2008 5:57:00 AM
2,2,4-trimethylpentane	ND	0.71		ug/m3	1	10/17/2008 5:57:00 AM
4-ethyltoluene	0.60	0.75	J	ug/m3	1	10/17/2008 5:57:00 AM
Acetone	19	7.2		ug/m3	10	10/17/2008 6:31:00 AM
Allyl chloride	ND	0.48		ug/m3	1	10/17/2008 5:57:00 AM
Benzene	ND	0.49		ug/m3	1	10/17/2008 5:57:00 AM
Benzyl chloride	ND	0.88		ug/m3	1	10/17/2008 5:57:00 AM
Bromodichloromethane	ND	1.0		ug/m3	1	10/17/2008 5:57:00 AM
Bromoform	ND	1.6		ug/m3	1	10/17/2008 5:57:00 AM
Bromomethane	ND	0.59		ug/m3	1	10/17/2008 5:57:00 AM
Carbon disulfide	1.4	0.47		ug/m3	1	10/17/2008 5:57:00 AM
Carbon tetrachloride	ND	0.96		ug/m3	1	10/17/2008 5:57:00 AM
Chlorobenzene	ND	0.70		ug/m3	1	10/17/2008 5:57:00 AM
Chloroethane	ND	0.40		ug/m3	1	10/17/2008 5:57:00 AM
Chloroform	12	7.4		ug/m3	10	10/17/2008 6:31:00 AM
Chloromethane	ND	0.31		ug/m3	1	10/17/2008 5:57:00 AM
cis-1,2-Dichloroethene	39	6.0		ug/m3	10	10/17/2008 6:31:00 AM
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	10/17/2008 5:57:00 AM
Cyclohexane	ND	0.52		ug/m3	1	10/17/2008 5:57:00 AM
Dibromochloromethane	ND	1.3		ug/m3	1	10/17/2008 5:57:00 AM
Ethyl acetate	ND	0.92		ug/m3	1	10/17/2008 5:57:00 AM
Ethylbenzene	ND	0.66		ug/m3	1	10/17/2008 5:57:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Oct-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-1
Lab Order:	C0810016	**Tag Number:**	272
Project:	LHC Solvent Dock - NJ 631	**Collection Date:**	10/10/2008
Lab ID:	C0810016-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
Freon 11	4.1	0.86		ug/m3	1	10/17/2008 5:57:00 AM
Freon 113	1.1	1.2	J	ug/m3	1	10/17/2008 5:57:00 AM
Freon 114	ND	1.1		ug/m3	1	10/17/2008 5:57:00 AM
Freon 12	2.0	0.75		ug/m3	1	10/17/2008 5:57:00 AM
Heptane	ND	0.62		ug/m3	1	10/17/2008 5:57:00 AM
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	10/17/2008 5:57:00 AM
Hexane	ND	0.54		ug/m3	1	10/17/2008 5:57:00 AM
Isopropyl alcohol	47	3.7		ug/m3	10	10/17/2008 6:31:00 AM
m&p-Xylene	0.62	1.3	J	ug/m3	1	10/17/2008 5:57:00 AM
Methyl Butyl Ketone	ND	1.2		ug/m3	1	10/17/2008 5:57:00 AM
Methyl Ethyl Ketone	620	110		ug/m3	128	10/17/2008 11:53:00 PM
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	10/17/2008 5:57:00 AM
Methyl tert-butyl ether	ND	0.55		ug/m3	1	10/17/2008 5:57:00 AM
Methylene chloride	8.8	5.3		ug/m3	10	10/17/2008 6:31:00 AM
o-Xylene	ND	0.66		ug/m3	1	10/17/2008 5:57:00 AM
Propylene	ND	0.26		ug/m3	1	10/17/2008 5:57:00 AM
Styrene	ND	0.65		ug/m3	1	10/17/2008 5:57:00 AM
Tetrachloroethylene	7000	1300		ug/m3	1280	10/17/2008 11:19:00 PM
Tetrahydrofuran	400	57		ug/m3	128	10/17/2008 11:53:00 PM
Toluene	1.3	0.57		ug/m3	1	10/17/2008 5:57:00 AM
trans-1,2-Dichloroethene	1.6	0.60		ug/m3	1	10/17/2008 5:57:00 AM
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	10/17/2008 5:57:00 AM
Trichloroethene	89	8.2		ug/m3	10	10/17/2008 6:31:00 AM
Vinyl acetate	ND	0.54		ug/m3	1	10/17/2008 5:57:00 AM
Vinyl Bromide	ND	0.67		ug/m3	1	10/17/2008 5:57:00 AM
Vinyl chloride	ND	0.39		ug/m3	1	10/17/2008 5:57:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Oct-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-2
Lab Order:	C0810016	**Tag Number:**	165
Project:	LHC Solvent Dock - NJ 631	**Collection Date:**	10/10/2008
Lab ID:	C0810016-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Vacuum Reading "Hg	-1			"Hg		10/10/2008
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
1,1,1-Trichloroethane	26	8.3		ug/m3	10	10/17/2008 7:40:00 AM
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	10/17/2008 7:06:00 AM
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	10/17/2008 7:06:00 AM
1,1-Dichloroethane	0.91	0.62		ug/m3	1	10/17/2008 7:06:00 AM
1,1-Dichloroethene	ND	0.60		ug/m3	1	10/17/2008 7:06:00 AM
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	10/17/2008 7:06:00 AM
1,2,4-Trimethylbenzene	0.90	0.75		ug/m3	1	10/17/2008 7:06:00 AM
1,2-Dibromoethane	ND	1.2		ug/m3	1	10/17/2008 7:06:00 AM
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	10/17/2008 7:06:00 AM
1,2-Dichloroethane	ND	0.62		ug/m3	1	10/17/2008 7:06:00 AM
1,2-Dichloropropane	ND	0.70		ug/m3	1	10/17/2008 7:06:00 AM
1,3,5-Trimethylbenzene	0.55	0.75	J	ug/m3	1	10/17/2008 7:06:00 AM
1,3-butadiene	ND	0.34		ug/m3	1	10/17/2008 7:06:00 AM
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	10/17/2008 7:06:00 AM
1,4-Dichlorobenzene	ND	0.92		ug/m3	1	10/17/2008 7:06:00 AM
1,4-Dioxane	ND	1.1		ug/m3	1	10/17/2008 7:06:00 AM
2,2,4-trimethylpentane	ND	0.71		ug/m3	1	10/17/2008 7:06:00 AM
4-ethyltoluene	ND	0.75		ug/m3	1	10/17/2008 7:06:00 AM
Acetone	13	7.2		ug/m3	10	10/17/2008 7:40:00 AM
Allyl chloride	ND	0.48		ug/m3	1	10/17/2008 7:06:00 AM
Benzene	ND	0.49		ug/m3	1	10/17/2008 7:06:00 AM
Benzyl chloride	ND	0.88		ug/m3	1	10/17/2008 7:06:00 AM
Bromodichloromethane	ND	1.0		ug/m3	1	10/17/2008 7:06:00 AM
Bromoform	ND	1.6		ug/m3	1	10/17/2008 7:06:00 AM
Bromomethane	ND	0.59		ug/m3	1	10/17/2008 7:06:00 AM
Carbon disulfide	0.73	0.47		ug/m3	1	10/17/2008 7:06:00 AM
Carbon tetrachloride	ND	0.96		ug/m3	1	10/17/2008 7:06:00 AM
Chlorobenzene	ND	0.70		ug/m3	1	10/17/2008 7:06:00 AM
Chloroethane	ND	0.40		ug/m3	1	10/17/2008 7:06:00 AM
Chloroform	3.7	0.74		ug/m3	1	10/17/2008 7:06:00 AM
Chloromethane	ND	0.31		ug/m3	1	10/17/2008 7:06:00 AM
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	10/17/2008 7:06:00 AM
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	10/17/2008 7:06:00 AM
Cyclohexane	0.80	0.52		ug/m3	1	10/17/2008 7:06:00 AM
Dibromochloromethane	ND	1.3		ug/m3	1	10/17/2008 7:06:00 AM
Ethyl acetate	ND	0.92		ug/m3	1	10/17/2008 7:06:00 AM
Ethylbenzene	ND	0.66		ug/m3	1	10/17/2008 7:06:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Oct-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-2
Lab Order:	C0810016	**Tag Number:**	165
Project:	LHC Solvent Dock - NJ 631	**Collection Date:**	10/10/2008
Lab ID:	C0810016-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
Freon 11	3.1	0.86		ug/m3	1	10/17/2008 7:06:00 AM
Freon 113	2.3	1.2		ug/m3	1	10/17/2008 7:06:00 AM
Freon 114	ND	1.1		ug/m3	1	10/17/2008 7:06:00 AM
Freon 12	76	7.5		ug/m3	10	10/17/2008 7:40:00 AM
Heptane	ND	0.62		ug/m3	1	10/17/2008 7:06:00 AM
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	10/17/2008 7:06:00 AM
Hexane	ND	0.54		ug/m3	1	10/17/2008 7:06:00 AM
Isopropyl alcohol	340	30		ug/m3	80	10/20/2008 10:12:00 PM
m&p-Xylene	0.53	1.3	J	ug/m3	1	10/17/2008 7:06:00 AM
Methyl Butyl Ketone	ND	1.2		ug/m3	1	10/17/2008 7:06:00 AM
Methyl Ethyl Ketone	4.8	0.90		ug/m3	1	10/17/2008 7:06:00 AM
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	10/17/2008 7:06:00 AM
Methyl tert-butyl ether	ND	0.55		ug/m3	1	10/17/2008 7:06:00 AM
Methylene chloride	6.1	0.53		ug/m3	1	10/17/2008 7:06:00 AM
o-Xylene	ND	0.66		ug/m3	1	10/17/2008 7:06:00 AM
Propylene	ND	0.26		ug/m3	1	10/17/2008 7:06:00 AM
Styrene	0.52	0.65	J	ug/m3	1	10/17/2008 7:06:00 AM
Tetrachloroethylene	57	10		ug/m3	10	10/17/2008 7:40:00 AM
Tetrahydrofuran	1.8	0.45		ug/m3	1	10/17/2008 7:06:00 AM
Toluene	0.96	0.57		ug/m3	1	10/17/2008 7:06:00 AM
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	10/17/2008 7:06:00 AM
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	10/17/2008 7:06:00 AM
Trichloroethene	54	8.2		ug/m3	10	10/17/2008 7:40:00 AM
Vinyl acetate	ND	0.54		ug/m3	1	10/17/2008 7:06:00 AM
Vinyl Bromide	ND	0.67		ug/m3	1	10/17/2008 7:06:00 AM
Vinyl chloride	ND	0.39		ug/m3	1	10/17/2008 7:06:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Oct-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-3
Lab Order:	C0810016	**Tag Number:**	479
Project:	LHC Solvent Dock - NJ 631	**Collection Date:**	10/10/2008
Lab ID:	C0810016-003A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Vacuum Reading "Hg	-1			"Hg		10/10/2008
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
1,1,1-Trichloroethane	0.55	0.83	J	ug/m3	1	10/17/2008 8:15:00 AM
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	10/17/2008 8:15:00 AM
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	10/17/2008 8:15:00 AM
1,1-Dichloroethane	0.99	0.62		ug/m3	1	10/17/2008 8:15:00 AM
1,1-Dichloroethene	ND	0.60		ug/m3	1	10/17/2008 8:15:00 AM
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	10/17/2008 8:15:00 AM
1,2,4-Trimethylbenzene	1.0	0.75		ug/m3	1	10/17/2008 8:15:00 AM
1,2-Dibromoethane	ND	1.2		ug/m3	1	10/17/2008 8:15:00 AM
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	10/17/2008 8:15:00 AM
1,2-Dichloroethane	ND	0.62		ug/m3	1	10/17/2008 8:15:00 AM
1,2-Dichloropropane	ND	0.70		ug/m3	1	10/17/2008 8:15:00 AM
1,3,5-Trimethylbenzene	ND	0.75		ug/m3	1	10/17/2008 8:15:00 AM
1,3-butadiene	ND	0.34		ug/m3	1	10/17/2008 8:15:00 AM
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	10/17/2008 8:15:00 AM
1,4-Dichlorobenzene	ND	0.92		ug/m3	1	10/17/2008 8:15:00 AM
1,4-Dioxane	ND	1.1		ug/m3	1	10/17/2008 8:15:00 AM
2,2,4-trimethylpentane	ND	0.71		ug/m3	1	10/17/2008 8:15:00 AM
4-ethyltoluene	ND	0.75		ug/m3	1	10/17/2008 8:15:00 AM
Acetone	81	14		ug/m3	20	10/18/2008 1:00:00 AM
Allyl chloride	ND	0.48		ug/m3	1	10/17/2008 8:15:00 AM
Benzene	ND	0.49		ug/m3	1	10/17/2008 8:15:00 AM
Benzyl chloride	ND	0.88		ug/m3	1	10/17/2008 8:15:00 AM
Bromodichloromethane	ND	1.0		ug/m3	1	10/17/2008 8:15:00 AM
Bromoform	ND	1.6		ug/m3	1	10/17/2008 8:15:00 AM
Bromomethane	ND	0.59		ug/m3	1	10/17/2008 8:15:00 AM
Carbon disulfide	2.3	0.47		ug/m3	1	10/17/2008 8:15:00 AM
Carbon tetrachloride	ND	0.96		ug/m3	1	10/17/2008 8:15:00 AM
Chlorobenzene	ND	0.70		ug/m3	1	10/17/2008 8:15:00 AM
Chloroethane	ND	0.40		ug/m3	1	10/17/2008 8:15:00 AM
Chloroform	2.6	0.74		ug/m3	1	10/17/2008 8:15:00 AM
Chloromethane	0.36	0.31		ug/m3	1	10/17/2008 8:15:00 AM
cis-1,2-Dichloroethene	2.3	0.60		ug/m3	1	10/17/2008 8:15:00 AM
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	10/17/2008 8:15:00 AM
Cyclohexane	0.73	0.52		ug/m3	1	10/17/2008 8:15:00 AM
Dibromochloromethane	ND	1.3		ug/m3	1	10/17/2008 8:15:00 AM
Ethyl acetate	ND	0.92		ug/m3	1	10/17/2008 8:15:00 AM
Ethylbenzene	ND	0.66		ug/m3	1	10/17/2008 8:15:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Oct-08*

CLIENT:	Arcadis	**Client Sample ID:**	SDS-3
Lab Order:	C0810016	**Tag Number:**	479
Project:	LHC Solvent Dock - NJ 631	**Collection Date:**	10/10/2008
Lab ID:	C0810016-003A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
Freon 11	1.5	0.86		ug/m3	1	10/17/2008 8:15:00 AM
Freon 113	1.9	1.2		ug/m3	1	10/17/2008 8:15:00 AM
Freon 114	ND	1.1		ug/m3	1	10/17/2008 8:15:00 AM
Freon 12	2.4	0.75		ug/m3	1	10/17/2008 8:15:00 AM
Heptane	ND	0.62		ug/m3	1	10/17/2008 8:15:00 AM
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	10/17/2008 8:15:00 AM
Hexane	ND	0.54		ug/m3	1	10/17/2008 8:15:00 AM
Isopropyl alcohol	380	30		ug/m3	80	10/18/2008 1:33:00 AM
m&p-Xylene	0.62	1.3	J	ug/m3	1	10/17/2008 8:15:00 AM
Methyl Butyl Ketone	ND	1.2		ug/m3	1	10/17/2008 8:15:00 AM
Methyl Ethyl Ketone	92	18		ug/m3	20	10/18/2008 1:00:00 AM
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	10/17/2008 8:15:00 AM
Methyl tert-butyl ether	ND	0.55		ug/m3	1	10/17/2008 8:15:00 AM
Methylene chloride	68	5.3		ug/m3	10	10/17/2008 8:49:00 AM
o-Xylene	ND	0.66		ug/m3	1	10/17/2008 8:15:00 AM
Propylene	ND	0.26		ug/m3	1	10/17/2008 8:15:00 AM
Styrene	ND	0.65		ug/m3	1	10/17/2008 8:15:00 AM
Tetrachloroethylene	59	10		ug/m3	10	10/17/2008 8:49:00 AM
Tetrahydrofuran	78	9.0		ug/m3	20	10/18/2008 1:00:00 AM
Toluene	0.88	0.57		ug/m3	1	10/17/2008 8:15:00 AM
trans-1,2-Dichloroethene	0.48	0.60	J	ug/m3	1	10/17/2008 8:15:00 AM
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	10/17/2008 8:15:00 AM
Trichloroethene	17	8.2		ug/m3	10	10/17/2008 8:49:00 AM
Vinyl acetate	ND	0.54		ug/m3	1	10/17/2008 8:15:00 AM
Vinyl Bromide	ND	0.67		ug/m3	1	10/17/2008 8:15:00 AM
Vinyl chloride	ND	0.39		ug/m3	1	10/17/2008 8:15:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Oct-08*

CLIENT:	Arcadis	**Client Sample ID:**	Effluent
Lab Order:	C0810016	**Tag Number:**	430
Project:	LHC Solvent Dock - NJ 631	**Collection Date:**	10/10/2008
Lab ID:	C0810016-004A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
FIELD PARAMETERS		**FLD**				Analyst:
Vacuum Reading "Hg	-1			"Hg		10/10/2008
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	10/17/2008 9:24:00 AM
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	10/17/2008 9:24:00 AM
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	10/17/2008 9:24:00 AM
1,1-Dichloroethane	ND	0.62		ug/m3	1	10/17/2008 9:24:00 AM
1,1-Dichloroethene	ND	0.60		ug/m3	1	10/17/2008 9:24:00 AM
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	10/17/2008 9:24:00 AM
1,2,4-Trimethylbenzene	ND	0.75		ug/m3	1	10/17/2008 9:24:00 AM
1,2-Dibromoethane	ND	1.2		ug/m3	1	10/17/2008 9:24:00 AM
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	10/17/2008 9:24:00 AM
1,2-Dichloroethane	ND	0.62		ug/m3	1	10/17/2008 9:24:00 AM
1,2-Dichloropropane	ND	0.70		ug/m3	1	10/17/2008 9:24:00 AM
1,3,5-Trimethylbenzene	ND	0.75		ug/m3	1	10/17/2008 9:24:00 AM
1,3-butadiene	ND	0.34		ug/m3	1	10/17/2008 9:24:00 AM
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	10/17/2008 9:24:00 AM
1,4-Dichlorobenzene	ND	0.92		ug/m3	1	10/17/2008 9:24:00 AM
1,4-Dioxane	ND	1.1		ug/m3	1	10/17/2008 9:24:00 AM
2,2,4-trimethylpentane	ND	0.71		ug/m3	1	10/17/2008 9:24:00 AM
4-ethyltoluene	ND	0.75		ug/m3	1	10/17/2008 9:24:00 AM
Acetone	1.9	0.72		ug/m3	1	10/17/2008 9:24:00 AM
Allyl chloride	ND	0.48		ug/m3	1	10/17/2008 9:24:00 AM
Benzene	ND	0.49		ug/m3	1	10/17/2008 9:24:00 AM
Benzyl chloride	ND	0.88		ug/m3	1	10/17/2008 9:24:00 AM
Bromodichloromethane	ND	1.0		ug/m3	1	10/17/2008 9:24:00 AM
Bromoform	ND	1.6		ug/m3	1	10/17/2008 9:24:00 AM
Bromomethane	ND	0.59		ug/m3	1	10/17/2008 9:24:00 AM
Carbon disulfide	0.89	0.47		ug/m3	1	10/17/2008 9:24:00 AM
Carbon tetrachloride	ND	0.96		ug/m3	1	10/17/2008 9:24:00 AM
Chlorobenzene	ND	0.70		ug/m3	1	10/17/2008 9:24:00 AM
Chloroethane	ND	0.40		ug/m3	1	10/17/2008 9:24:00 AM
Chloroform	ND	0.74		ug/m3	1	10/17/2008 9:24:00 AM
Chloromethane	ND	0.31		ug/m3	1	10/17/2008 9:24:00 AM
cis-1,2-Dichloroethene	0.69	0.60		ug/m3	1	10/17/2008 9:24:00 AM
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	10/17/2008 9:24:00 AM
Cyclohexane	ND	0.52		ug/m3	1	10/17/2008 9:24:00 AM
Dibromochloromethane	ND	1.3		ug/m3	1	10/17/2008 9:24:00 AM
Ethyl acetate	ND	0.92		ug/m3	1	10/17/2008 9:24:00 AM
Ethylbenzene	ND	0.66		ug/m3	1	10/17/2008 9:24:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *21-Oct-08*

CLIENT:	Arcadis	**Client Sample ID:**	Effluent
Lab Order:	C0810016	**Tag Number:**	430
Project:	LHC Solvent Dock - NJ 631	**Collection Date:**	10/10/2008
Lab ID:	C0810016-004A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
Freon 11	ND	0.86		ug/m3	1	10/17/2008 9:24:00 AM
Freon 113	ND	1.2		ug/m3	1	10/17/2008 9:24:00 AM
Freon 114	ND	1.1		ug/m3	1	10/17/2008 9:24:00 AM
Freon 12	19	7.5		ug/m3	10	10/17/2008 9:58:00 AM
Heptane	ND	0.62		ug/m3	1	10/17/2008 9:24:00 AM
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	10/17/2008 9:24:00 AM
Hexane	ND	0.54		ug/m3	1	10/17/2008 9:24:00 AM
Isopropyl alcohol	ND	0.37		ug/m3	1	10/17/2008 9:24:00 AM
m&p-Xylene	ND	1.3		ug/m3	1	10/17/2008 9:24:00 AM
Methyl Butyl Ketone	ND	1.2		ug/m3	1	10/17/2008 9:24:00 AM
Methyl Ethyl Ketone	1.0	0.90		ug/m3	1	10/17/2008 9:24:00 AM
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	10/17/2008 9:24:00 AM
Methyl tert-butyl ether	ND	0.55		ug/m3	1	10/17/2008 9:24:00 AM
Methylene chloride	54	5.3		ug/m3	10	10/17/2008 9:58:00 AM
o-Xylene	ND	0.66		ug/m3	1	10/17/2008 9:24:00 AM
Propylene	ND	0.26		ug/m3	1	10/17/2008 9:24:00 AM
Styrene	ND	0.65		ug/m3	1	10/17/2008 9:24:00 AM
Tetrachloroethylene	ND	1.0		ug/m3	1	10/17/2008 9:24:00 AM
Tetrahydrofuran	ND	0.45		ug/m3	1	10/17/2008 9:24:00 AM
Toluene	1.1	0.57		ug/m3	1	10/17/2008 9:24:00 AM
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	10/17/2008 9:24:00 AM
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	10/17/2008 9:24:00 AM
Trichloroethene	2.2	0.82		ug/m3	1	10/17/2008 9:24:00 AM
Vinyl acetate	ND	0.54		ug/m3	1	10/17/2008 9:24:00 AM
Vinyl Bromide	ND	0.67		ug/m3	1	10/17/2008 9:24:00 AM
Vinyl chloride	ND	0.39		ug/m3	1	10/17/2008 9:24:00 AM

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

TestAmerica Buffalo

SDG:

CLASS: VOA

METHOD: 8260B

ANALYSES DATA PACKAGE COVER PAGE

8260B

Laboratory: TestAmerica Buffalo

SDG:

Client: ARCADIS U.S., Inc. - Albany, NY

Project: LMC - Utica, NY - NY9A846342

Client Sample Id:	Lab Sample Id:
MH-1	RSB0148-01
MH-2	RSB0148-02
TRIP BLANK	RSB0148-03

Form 2

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY	Project:	LMC - Utica, NY - NY9A846342
Sequence:	RB91311	Instrument:	HP5975T
Matrix:	Water	Calibration:	R9B1102

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (9B13079-BLK1)			Lab File ID: T0195.D		Analyzed: 02/13/09 20:22			
1,2-Dichloroethane-d4	25.0	100	66 - 137	5.575	5.574667	0.0003	+/-1.0	
4-Bromofluorobenzene	25.0	86	73 - 120	9.104	9.104	0.0000	+/-1.0	
Toluene-d8	25.0	104	71 - 126	7.007	7.007	0.0000	+/-1.0	
LCS (9B13079-BS1)			Lab File ID: T0193.D		Analyzed: 02/13/09 19:33			
1,2-Dichloroethane-d4	25.0	99	66 - 137	5.575	5.574667	0.0003	+/-1.0	
4-Bromofluorobenzene	25.0	92	73 - 120	9.104	9.104	0.0000	+/-1.0	
Toluene-d8	25.0	104	71 - 126	7.007	7.007	0.0000	+/-1.0	
Calibration Check (RB91311-CCV1)			Lab File ID: T0191.D		Analyzed: 02/13/09 18:37			
1,2-Dichloroethane-d4	25.0	99	66 - 137	5.574	5.574667	-0.0007	+/-1.0	
4-Bromofluorobenzene	25.0	92	73 - 120	9.104	9.104	0.0000	+/-1.0	
Toluene-d8	25.0	105	71 - 126	7.007	7.007	0.0000	+/-1.0	
MH-1 (RSB0148-01)			Lab File ID: T0206.D		Analyzed: 02/14/09 01:13			
1,2-Dichloroethane-d4	25.0	105	66 - 137	5.574	5.574667	-0.0007	+/-1.0	
4-Bromofluorobenzene	25.0	89	73 - 120	9.104	9.104	0.0000	+/-1.0	
Toluene-d8	25.0	104	71 - 126	7.007	7.007	0.0000	+/-1.0	
MH-2 (RSB0148-02)			Lab File ID: T0207.D		Analyzed: 02/14/09 01:37			
1,2-Dichloroethane-d4	25.0	104	66 - 137	5.574	5.574667	-0.0007	+/-1.0	
4-Bromofluorobenzene	25.0	87	73 - 120	9.104	9.104	0.0000	+/-1.0	
Toluene-d8	25.0	105	71 - 126	7.007	7.007	0.0000	+/-1.0	
TRIP BLANK (RSB0148-03)			Lab File ID: T0208.D		Analyzed: 02/14/09 02:01			
1,2-Dichloroethane-d4	25.0	103	66 - 137	5.575	5.574667	0.0003	+/-1.0	
4-Bromofluorobenzene	25.0	87	73 - 120	9.104	9.104	0.0000	+/-1.0	
Toluene-d8	25.0	104	71 - 126	7.007	7.007	0.0000	+/-1.0	

Form 3

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY	Project:	LMC - Utica, NY - NY9A846342
Matrix:	Water	Spike standard:	9020568
Batch:	9B13079	Laboratory ID:	9B13079-BS1
Preparation:	5030B MS	Initial/Final:	5 mL / 5 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
1,1,1-Trichloroethane	25.0	23.2	93	78 - 124
1,1,2,2-Tetrachloroethane	25.0	28.2	113	70 - 126
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.6	94	60 - 140
1,1,2-Trichloroethane	25.0	26.2	105	76 - 122
1,1-Dichloroethane	25.0	24.1	96	78 - 120
1,1-Dichloroethene	25.0	23.9	96	73 - 143
1,2,4-Trichlorobenzene	25.0	23.2	93	70 - 122
1,2-Dibromo-3-chloropropane	25.0	23.1	92	65 - 126
1,2-Dibromoethane	25.0	24.9	100	80 - 115
1,2-Dichlorobenzene	25.0	24.3	97	79 - 114
1,2-Dichloroethane	25.0	24.0	96	77 - 122
1,2-Dichloropropane	25.0	25.9	104	80 - 117
1,3-Dichlorobenzene	25.0	23.9	95	77 - 120
1,4-Dichlorobenzene	25.0	24.1	96	77 - 114
2-Butanone	125	155	124	67 - 131
2-Hexanone	125	145	116	65 - 127
4-Methyl-2-pentanone	125	138	110	71 - 125
Acetone	125	152	122	65 - 128
Benzene	25.0	25.0	100	79 - 121
Bromodichloromethane	25.0	24.4	97	80 - 122
Bromoform	25.0	22.2	89	69 - 126
Bromomethane	25.0	29.0	116	46 - 148
Carbon disulfide	25.0	23.3	93	62 - 131
Carbon Tetrachloride	25.0	23.5	94	72 - 134
Chlorobenzene	25.0	24.0	96	79 - 118
Chloroethane	25.0	26.7	107	69 - 136
Chloroform	25.0	24.4	98	78 - 120
Chloromethane	25.0	20.3	81	62 - 126
cis-1,2-Dichloroethene	25.0	24.2	97	78 - 117

Form 3

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY	Project:	LMC - Utica, NY - NY9A846342
Matrix:	Water	Spike standard:	9020568
Batch:	9B13079	Laboratory ID:	9B13079-BS1
Preparation:	5030B MS	Initial/Final:	5 mL / 5 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
cis-1,3-Dichloropropene	25.0	26.1	104	79 - 120
Cyclohexane	25.0	24.7	99	78 - 120
Dibromochloromethane	25.0	24.3	97	76 - 121
Dichlorodifluoromethane	25.0	15.9	63	45 - 146
Ethylbenzene	25.0	24.6	98	81 - 117
Isopropylbenzene	25.0	25.6	102	77 - 122
Methyl Acetate	25.0	32.2	129	60 - 140
Methylcyclohexane	25.0	25.1	100	77 - 120
Methylene Chloride	25.0	25.7	103	61 - 120
Methyl-t-Butyl Ether (MTBE)	25.0	27.0	108	75 - 129
Styrene	25.0	25.8	103	81 - 119
Tetrachloroethene	25.0	22.8	91	77 - 120
Toluene	25.0	25.0	100	77 - 119
trans-1,2-Dichloroethene	25.0	24.2	97	79 - 122
trans-1,3-Dichloropropene	25.0	24.9	100	77 - 119
Trichloroethene	25.0	24.2	97	80 - 121
Trichlorofluoromethane	25.0	23.3	93	63 - 136
Vinyl chloride	25.0	22.6	90	68 - 127
Xylenes, total	75.0	73.1	97	80 - 117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

PREPARATION BATCH SUMMARY

8260B

Laboratory: TestAmerica Buffalo

SDG:

Client: ARCADIS U.S., Inc. - Albany, NY

Project: LMC - Utica, NY - NY9A846342

Batch: 9B13079 Batch Matrix: Water

Preparation: 5030B MS

SAMPLE NAME	LAB SAMPLE ID	INITIAL	FINAL	DATE PREPARED	OBSERVATIONS
Blank	9B13079-BLK1	5.00 mL	5.00 mL	02/13/09 18:00	
LCS	9B13079-BS1	5.00 mL	5.00 mL	02/13/09 18:00	
MH-1	RSB0148-01	5.00 mL	5.00 mL	02/13/09 18:00	A00039,
MH-2	RSB0148-02	5.00 mL	5.00 mL	02/13/09 18:00	A00039,
TRIP BLANK	RSB0148-03	5.00 mL	5.00 mL	02/13/09 18:00	A00039,

Form 5

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY	Project:	LMC - Utica, NY - NY9A846342
Lab File ID:	T0073.D	Injection Date:	02/10/09
Instrument ID:	HP5975T	Injection Time:	22:01
Sequence:	RB91011	Lab Sample ID:	RB91011-TUN1
Calibration:	R9B1102		

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
173	Less than 2% of 174	0.17527	PASS
174	50 - 100% of 95	68.433	PASS
175	5 - 9% of 174	7.4902	PASS
176	95 - 101% of 174	100.92	PASS
177	5 - 9% of 176	6.3165	PASS
50	15 - 40% of 95	22.437	PASS
75	30 - 60% of 95	46.771	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.2539	PASS

INITIAL CALIBRATION STANDARDS

8260B

Laboratory:	TestAmerica Buffalo	SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY	Project:	LMC - Utica, NY - NY9A846342
Sequence:	RB91011	Instrument:	HP5975T
Calibration:	R9B1102		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
9011115	BFB Working Standard	RB91011-TUN1	T0073.D	02/10/09 22:01
9020987	T CAL1 MIX 1PPB	RB91011-CAL1	T0075.D	02/10/09 22:49
9020988	T CAL2 MIX 5PPB	RB91011-CAL2	T0076.D	02/10/09 23:13
9020990	T CAL3 MIX 10PPB	RB91011-CAL3	T0077.D	02/10/09 23:37
9020991	T CAL4 MIX 25PPB	RB91011-CAL4	T0078.D	02/11/09 00:01
9020992	T CAL5 MIX 50PPB	RB91011-CAL5	T0079.D	02/11/09 00:26
9020993	T CAL6 MIX 100PPB	RB91011-CAL6	T0080.D	02/11/09 00:50

Form 5

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY	Project:	LMC - Utica, NY - NY9A846342
Lab File ID:	T0073.D	Injection Date:	02/10/09
Instrument ID:	HP5975T	Injection Time:	22:01
Sequence:	RB91011	Lab Sample ID:	RB91011-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	22.437	PASS
75	30 - 60% of 95	46.771	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.2539	PASS
173	Less than 2% of 174	0.17527	PASS
174	50 - 100% of 95	68.433	PASS
175	5 - 9% of 174	7.4902	PASS
176	95 - 101% of 174	100.92	PASS
177	5 - 9% of 176	6.3165	PASS

Form 5

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY	Project:	LMC - Utica, NY - NY9A846342
Lab File ID:	T0190.D	Injection Date:	02/13/09
Instrument ID:	HP5975T	Injection Time:	18:14
Sequence:	RB91311	Lab Sample ID:	RB91311-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	27.349	PASS
75	30 - 60% of 95	50.18	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.991	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	60.486	PASS
175	5 - 9% of 174	8.0755	PASS
176	95 - 101% of 174	100.39	PASS
177	5 - 9% of 176	7.3188	PASS

ANALYSIS BATCH (SEQUENCE) SUMMARY

8260B

Laboratory: TestAmerica Buffalo

Client: ARCADIS U.S., Inc. - Albany, NY

Sequence: RB91011

SDG:

Project: LMC - Utica, NY - NY9A846342

Instrument: HP5975T

Calibration: R9B1102

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	RB91011-TUN1	T0073.D	02/10/09 22:01
Cal Standard	RB91011-CAL1	T0075.D	02/10/09 22:49
Cal Standard	RB91011-CAL2	T0076.D	02/10/09 23:13
Cal Standard	RB91011-CAL3	T0077.D	02/10/09 23:37
Cal Standard	RB91011-CAL4	T0078.D	02/11/09 00:01
Cal Standard	RB91011-CAL5	T0079.D	02/11/09 00:26
Cal Standard	RB91011-CAL6	T0080.D	02/11/09 00:50

ANALYSIS BATCH (SEQUENCE) SUMMARY

8260B

Laboratory: TestAmerica Buffalo

Client: ARCADIS U.S., Inc. - Albany, NY

Sequence: RB91311

SDG:

Project: LMC - Utica, NY - NY9A846342

Instrument: HP5975T

Calibration: R9B1102

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	RB91311-TUN1	T0190.D	02/13/09 18:14
Calibration Check	RB91311-CCV1	T0191.D	02/13/09 18:37
LCS	9B13079-BS1	T0193.D	02/13/09 19:33
Blank	9B13079-BLK1	T0195.D	02/13/09 20:22
MH-1	RSB0148-01	T0206.D	02/14/09 01:13
MH-2	RSB0148-02	T0207.D	02/14/09 01:37
TRIP BLANK	RSB0148-03	T0208.D	02/14/09 02:01

METHOD DETECTION AND REPORTING LIMITS

8260B

Laboratory: TestAmerica Buffalo **SDG:**

Client: ARCADIS U.S., Inc. - Albany, NY **Project:** LMC - Utica, NY - NY9A846342

Matrix: Water **Instrument:** HP5975T

Analyte	MDL	MRL	Units
1,1,1-Trichloroethane	0.2650	1.0000	ug/L
1,1,2,2-Tetrachloroethane	0.2130	1.0000	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3090	1.0000	ug/L
1,1,2-Trichloroethane	0.2310	1.0000	ug/L
1,1-Dichloroethane	0.7500	1.0000	ug/L
1,1-Dichloroethene	0.2932	1.0000	ug/L
1,2,4-Trichlorobenzene	0.4077	1.0000	ug/L
1,2-Dibromo-3-chloropropane	1.0000	1.0000	ug/L
1,2-Dibromoethane	0.1660	1.0000	ug/L
1,2-Dichlorobenzene	0.2030	1.0000	ug/L
1,2-Dichloroethane	0.2140	1.0000	ug/L
1,2-Dichloropropane	0.1440	1.0000	ug/L
1,3-Dichlorobenzene	0.1650	1.0000	ug/L
1,4-Dichlorobenzene	0.1620	1.0000	ug/L
2-Butanone	1.3180	5.0000	ug/L
2-Hexanone	1.2410	5.0000	ug/L
4-Bromofluorobenzene	0.0000	0.0000	ug/L
4-Methyl-2-pentanone	0.9090	5.0000	ug/L
Acetone	1.3450	5.0000	ug/L
Benzene	0.1640	1.0000	ug/L
Bromodichloromethane	0.3857	1.0000	ug/L
Bromoform	0.2574	1.0000	ug/L
Bromomethane	0.2816	1.0000	ug/L
Carbon disulfide	0.1940	1.0000	ug/L
Carbon Tetrachloride	0.2665	1.0000	ug/L
Chlorobenzene	0.3174	1.0000	ug/L
Chloroethane	0.3237	1.0000	ug/L
Chloroform	0.3357	1.0000	ug/L
Chloromethane	0.3457	1.0000	ug/L
cis-1,2-Dichloroethene	0.1620	1.0000	ug/L
cis-1,3-Dichloropropene	0.3552	1.0000	ug/L
Cyclohexane	0.5340	1.0000	ug/L
Dibromochloromethane	0.3225	1.0000	ug/L
Dichlorodifluoromethane	0.2854	1.0000	ug/L
Ethylbenzene	0.1840	1.0000	ug/L
Isopropylbenzene	0.1930	1.0000	ug/L
Methyl Acetate	0.1710	1.0000	ug/L

METHOD DETECTION AND REPORTING LIMITS

8260B

Laboratory: TestAmerica Buffalo **SDG:**

Client: ARCADIS U.S., Inc. - Albany, NY **Project:** LMC - Utica, NY - NY9A846342

Matrix: Water **Instrument:** HP5975T

Analyte	MDL	MRL	Units
Methylcyclohexane	0.4950	1.0000	ug/L
Methylene Chloride	0.4385	1.0000	ug/L
Methyl-t-Butyl Ether (MTBE)	0.1610	1.0000	ug/L
Styrene	0.1850	1.0000	ug/L
Tetrachloroethene	0.3649	1.0000	ug/L
Toluene	0.5100	1.0000	ug/L
trans-1,2-Dichloroethene	0.1260	1.0000	ug/L
trans-1,3-Dichloropropene	0.3684	1.0000	ug/L
Trichloroethene	0.1750	1.0000	ug/L
Trichlorofluoromethane	0.1520	1.0000	ug/L
Vinyl chloride	0.2426	1.0000	ug/L
Xylenes, total	0.6580	2.0000	ug/L

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

MH-1

Laboratory: TestAmerica Buffalo SDG:

Client: ARCADIS U.S., Inc. - Albany, NY Project: LMC - Utica, NY - NY9A846342

Matrix: Water Laboratory ID: RSB0148-01 File ID: T0206.D

Sampled: 02/04/09 11:00 Prepared: 02/13/09 18:00 Analyzed: 02/14/09 01:13

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 9B13079 Sequence: RB91311 Calibration: R9B1102 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	24	
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	8.4	
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	U
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	5.0	U
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	U
74-83-9	Bromomethane	1	1.0	U
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	1.0	U
75-00-3	Chloroethane	1	0.70	J
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	39	
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.5	
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

MH-1

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY			Project:	LMC - Utica, NY - NY9A846342
Matrix:	Water	Laboratory ID:	RSB0148-01	File ID:	T0206.D
Sampled:	02/04/09 11:00	Prepared:	02/13/09 18:00	Analyzed:	02/14/09 01:13
Solids:		Preparation:	5030B MS	Initial/Final:	5 mL / 5 mL
Batch:	9B13079	Sequence:	RB91311	Calibration:	R9B1102
Instrument:	HP5975T				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	31	
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	64	
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	0.50	J
1330-20-7	Xylenes, total	1	3.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	26.2	105	66 - 137	
4-Bromofluorobenzene	25.0	22.2	89	73 - 120	
Toluene-d8	25.0	26.1	104	71 - 126	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

MH-2

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY			Project:	LMC - Utica, NY - NY9A846342
Matrix:	Water	Laboratory ID:	RSB0148-02	File ID:	T0207.D
Sampled:	02/04/09 15:45	Prepared:	02/13/09 18:00	Analyzed:	02/14/09 01:37
Solids:		Preparation:	5030B MS	Initial/Final:	5 mL / 5 mL
Batch:	9B13079	Sequence:	RB91311	Calibration:	R9B1102
Instrument:	HP5975T				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	1.6	
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	U
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	5.0	U
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	U
74-83-9	Bromomethane	1	1.0	U
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	1.0	U
75-00-3	Chloroethane	1	1.0	U
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	10	
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

MH-2

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY			Project:	LMC - Utica, NY - NY9A846342
Matrix:	Water	Laboratory ID:	RSB0148-02	File ID:	T0207.D
Sampled:	02/04/09 15:45	Prepared:	02/13/09 18:00	Analyzed:	02/14/09 01:37
Solids:		Preparation:	5030B MS	Initial/Final:	5 mL / 5 mL
Batch:	9B13079	Sequence:	RB91311	Calibration:	R9B1102
Instrument:	HP5975T				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	3.8	
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.22	J
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	6.7	
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	1.0	J
1330-20-7	Xylenes, total	1	3.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	26.0	104	66 - 137	
4-Bromofluorobenzene	25.0	21.8	87	73 - 120	
Toluene-d8	25.0	26.1	105	71 - 126	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

TRIP BLANK

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY			Project:	LMC - Utica, NY - NY9A846342
Matrix:	Water	Laboratory ID:	RSB0148-03	File ID:	T0208.D
Sampled:	02/04/09 00:00	Prepared:	02/13/09 18:00	Analyzed:	02/14/09 02:01
Solids:		Preparation:	5030B MS	Initial/Final:	5 mL / 5 mL
Batch:	9B13079	Sequence:	RB91311	Calibration:	R9B1102
Instrument:	HP5975T				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	1.0	U
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	U
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	5.0	U
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	U
74-83-9	Bromomethane	1	1.0	U
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	1.0	U
75-00-3	Chloroethane	1	1.0	U
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

TRIP BLANK

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY			Project:	LMC - Utica, NY - NY9A846342
Matrix:	Water	Laboratory ID:	RSB0148-03	File ID:	T0208.D
Sampled:	02/04/09 00:00	Prepared:	02/13/09 18:00	Analyzed:	02/14/09 02:01
Solids:		Preparation:	5030B MS	Initial/Final:	5 mL / 5 mL
Batch:	9B13079	Sequence:	RB91311	Calibration:	R9B1102
Instrument:	HP5975T				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	1.0	U
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	1.0	U
1330-20-7	Xylenes, total	1	3.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	25.8	103	66 - 137	
4-Bromofluorobenzene	25.0	21.8	87	73 - 120	
Toluene-d8	25.0	26.1	104	71 - 126	

* Values outside of QC limits

Form 6

INITIAL CALIBRATION DATA

8260B

Laboratory: TestAmerica Buffalo

Client: ARCADIS U.S., Inc. - Albany, NY

Calibration: R9B1102

SDG:

Project: LMC - Utica, NY - NY9A846342

Instrument: HP5975T

Calibration Date: 02/11/09 09:32

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1-Trichloroethane	1	0.5215903	5	0.4877933	10	0.4610165	25	0.4887548	50	0.475277	100	0.4802296
1,1,2,2-Tetrachloroethane	1	0.9615413	5	0.9394402	10	0.9358056	25	0.9965272	50	0.994068	100	1.002246
1,1,2-Trichloro-1,2,2-trifluoroethan	1	0.3229172	5	0.2989584	10	0.2798445	25	0.3016943	50	0.2807016	100	0.2803103
1,1,2-Trichloroethane	1	0.5162009	5	0.4920465	10	0.4924453	25	0.5127423	50	0.4936101	100	0.4861312
1,1-Dichloroethane	1	0.8270675	5	0.7701582	10	0.7337375	25	0.7645797	50	0.7457767	100	0.7500466
1,1-Dichloroethene	1	0.3369557	5	0.3031396	10	0.2886624	25	0.3015524	50	0.290887	100	0.2879327
1,2,4-Trichlorobenzene	1	1.113306	5	1.037046	10	0.9784282	25	1.039844	50	1.021712	100	1.022822
1,2-Dibromo-3-chloropropane	1	0.2571513	5	0.1799865	10	0.160887	25	0.1733515	50	0.1784748	100	0.1825239
1,2-Dibromoethane	1	0.6040782	5	0.5520886	10	0.5511144	25	0.582145	50	0.5578636	100	0.56105
1,2-Dichlorobenzene	1	1.682044	5	1.52769	10	1.464761	25	1.536344	50	1.530678	100	1.516223
1,2-Dichloroethane	1	0.6369907	5	0.6087354	10	0.5794666	25	0.6091758	50	0.5891228	100	0.5838249
1,2-Dichloroethane-d4	1.25	0.3877356	6.25	0.3509702	12.5	0.3446294	31.2	0.3619193	62.5	0.3529855	125	0.34476
1,2-Dichloropropane	1	0.4547062	5	0.4257129	10	0.4184848	25	0.4379844	50	0.4258771	100	0.4317117
1,3-Dichlorobenzene	1	1.774076	5	1.655067	10	1.548807	25	1.6447	50	1.608804	100	1.589641
1,4-Dichlorobenzene	1	1.773785	5	1.662882	10	1.569191	25	1.657449	50	1.617748	100	1.601866
2-Butanone	5	0.1731192	25	0.1832475	50	0.1782705	125	0.1963096	250	0.1872984	500	0.191484
2-Hexanone	5	0.5100901	25	0.4874159	50	0.504534	125	0.5411133	250	0.496362	500	0.5143215
4-Bromofluorobenzene	1.25	0.5027527	6.25	0.4520115	12.5	0.4513835	31.2	0.4784383	62.5	0.4620196	125	0.4411102
4-Methyl-2-pentanone	5	0.7979359	25	0.7652428	50	0.7685134	125	0.8217442	250	0.7735409	500	0.7899097
Acetone	5	0.1237741	25	0.1133072	50	0.1000655	125	0.1120398	250	0.105067	500	0.1036992
Benzene	1	1.691643	5	1.500386	10	1.429655	25	1.497406	50	1.453642	100	1.460572
Bromodichloromethane	1	0.4645085	5	0.4233817	10	0.4187863	25	0.4523687	50	0.449239	100	0.4557447
Bromoform	1	0.3065104	5	0.3028281	10	0.3157296	25	0.3564444	50	0.3580474	100	0.3647832
Bromomethane	1	0.2743389	5	0.1898411	10	0.1657351	25	0.1618744	50	0.1496057	100	0.1465784
Carbon disulfide	1	1.223579	5	1.131734	10	1.090471	25	1.130814	50	1.067974	100	1.074488
Carbon Tetrachloride	1	0.4106426	5	0.3810385	10	0.3650506	25	0.4011449	50	0.3918811	100	0.4001515
Chlorobenzene	1	1.798248	5	1.684793	10	1.63446	25	1.694574	50	1.626068	100	1.620716
Chloroethane	1	0.2759159	5	0.2389655	10	0.2241383	25	0.2290616	50	0.2122147	100	0.208753
Chloroform	1	0.6788899	5	0.6125416	10	0.589081	25	0.6267018	50	0.6090245	100	0.6065268
Chloromethane	1	0.5712199	5	0.5346364	10	0.5033926	25	0.514623	50	0.4950688	100	0.5090253

Form 6

INITIAL CALIBRATION DATA

8260B

Laboratory: TestAmerica Buffalo

Client: ARCADIS U.S., Inc. - Albany, NY

Calibration: R9B1102

SDG:

Project: LMC - Utica, NY - NY9A846342

Instrument: HP5975T

Calibration Date: 02/11/09 09:32

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
cis-1,2-Dichloroethene	1	0.4284845	5	0.3922759	10	0.3752932	25	0.3849755	50	0.3771255	100	0.3718172
cis-1,3-Dichloropropene	1	0.5783319	5	0.5017744	10	0.5567412	25	0.6034665	50	0.6006509	100	0.6087158
Cyclohexane	1	0.8279333	5	0.7821705	10	0.7566628	25	0.7945957	50	0.7338195	100	0.7579457
Dibromochloromethane	1	0.4967681	5	0.4994359	10	0.4991189	25	0.5477553	50	0.5391417	100	0.5547442
Dichlorodifluoromethane	1	0.3082602	5	0.3073958	10	0.2865174	25	0.3189101	50	0.3004664	100	0.3078333
Ethylbenzene	1	3.255591	5	3.004677	10	2.961447	25	3.048777	50	2.979378	100	3.011826
Isopropylbenzene	1	3.684674	5	2.866062	10	3.362636	25	3.484445	50	3.445282	100	3.54131
Methyl Acetate	1	0.4068392	5	0.396507	10	0.3806525	25	0.4003221	50	0.3833454	100	0.3843079
Methylcyclohexane	1	0.700999	5	0.6743157	10	0.6360295	25	0.6774596	50	0.6217424	100	0.6410573
Methylene Chloride	1	0.641227	5	0.416913	10	0.3847838	25	0.3765115	50	0.3598171	100	0.3512343
Methyl-t-Butyl Ether (MTBE)	1	1.027967	5	0.942337	10	0.8995836	25	0.9683359	50	0.9302226	100	0.9615174
Styrene	1	1.651785	5	1.630449	10	1.620017	25	1.759733	50	1.724246	100	1.739446
Tetrachloroethene	1	0.6468418	5	0.5808588	10	0.5618005	25	0.591678	50	0.5636065	100	0.5579187
Toluene	1	1.649607	5	1.559381	10	1.537839	25	1.592042	50	1.528302	100	1.536994
Toluene-d8	1.25	1.802673	6.25	1.687211	12.5	1.66639	31.2	1.820201	62.5	1.734089	125	1.696192
trans-1,2-Dichloroethene	1	0.3826892	5	0.3031396	10	0.3407576	25	0.3559581	50	0.3459057	100	0.3457731
trans-1,3-Dichloropropene	1	0.9769123	5	1.062041	10	0.941319	25	1.025181	50	1.01297	100	1.031257
Trichloroethene	1	0.3831221	5	0.3707262	10	0.3455394	25	0.3685286	50	0.3566528	100	0.3544502
Trichlorofluoromethane	1	0.4805569	5	0.4314628	10	0.403654	25	0.440189	50	0.4051754	100	0.4101179
Vinyl chloride	1	0.5576143	5	0.4859246	10	0.4521097	25	0.4728128	50	0.4399002	100	0.4326935
Xylenes, total	3	1.149992	15	1.111308	30	1.096587	75	1.145865	150	1.101181	300	1.109771

Form 6

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: TestAmerica Buffalo

Client: ARCADIS U.S., Inc. - Albany, NY

Calibration: R9B1102

SDG:

Project: LMC - Utica, NY - NY9A846342

Instrument: HP5975T

Calibration Date: 02/11/09 09:32

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,1-Trichloroethane	0.4857769	4.167879	5.299	4.651379E-02			20	
1,1,2,2-Tetrachloroethane	0.9716047	3.081485	9.227	2.308918E-02			SPCC (0.3)	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.294071	5.859597	3.329	0.0938701			20	
1,1,2-Trichloroethane	0.4988627	2.488516	7.397	5.046963E-03			20	
1,1-Dichloroethane	0.7652277	4.314175	4.44	5.409218E-02			SPCC (0.1)	
1,1-Dichloroethene	0.3015216	6.153542	3.342	7.444117E-02			CCC (30)	
1,2,4-Trichlorobenzene	1.035526	4.249704	11.739	1.274413E-02			20	
1,2-Dibromo-3-chloropropane	0.1887292	18.22185	11.086	7.792404E-03	0.99981		0.995	
1,2-Dibromoethane	0.5680566	3.685112	7.822	3.754254E-02			20	
1,2-Dichlorobenzene	1.542957	4.727329	10.415	1.769671E-02			20	
1,2-Dichloroethane	0.6012194	3.583949	5.633334	5.882477E-02			20	
1,2-Dichloroethane-d4	0.3571667	4.556098	5.574667	1.852302E-02			20	
1,2-Dichloropropane	0.4324129	2.943682	6.276	9.91897E-03			CCC (30)	
1,3-Dichlorobenzene	1.636849	4.731547	10.013	1.788812E-02			20	
1,4-Dichlorobenzene	1.647153	4.32565	10.087	1.708127E-02			20	
2-Butanone	0.1849549	4.617797	4.942667	6.804353E-02			20	
2-Hexanone	0.5089728	3.629495	7.552	4.038547E-02			20	
4-Bromofluorobenzene	0.4646193	4.84978	9.104	1.888156E-02			20	
4-Methyl-2-pentanone	0.7861478	2.744252	6.912	4.229655E-02			20	
Acetone	0.1096588	7.811225	3.445	8.995898E-02			20	
Benzene	1.505551	6.315292	5.599	5.687951E-03			20	
Bromodichloromethane	0.4440048	4.173467	6.489	2.097469E-02			20	
Bromoform	0.3340572	8.562448	8.88	0.0350283			SPCC (0.1)	
Bromomethane	0.1813289	26.51592	2.392	1.734786E-02	0.99983		0.995	
Carbon disulfide	1.119843	5.150438	3.557	7.612977E-03			20	
Carbon Tetrachloride	0.3916515	4.185097	5.427	4.713054E-02			20	
Chlorobenzene	1.676476	4.013847	8.184	2.412055E-02			SPCC (0.3)	
Chloroethane	0.2315082	10.5417	2.514	5.881493E-03			20	
Chloroform	0.6204609	5.006826	5.178	5.544254E-03			CCC (30)	
Chloromethane	0.5213277	5.339192	1.852	0.1674865			SPCC (0.1)	
cis-1,2-Dichloroethene	0.3883286	5.410707	4.922	0.0146185			20	

Form 6

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: TestAmerica Buffalo

Client: ARCADIS U.S., Inc. - Albany, NY

Calibration: R9B1102

SDG:

Project: LMC - Utica, NY - NY9A846342

Instrument: HP5975T

Calibration Date: 02/11/09 09:32

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
cis-1,3-Dichloropropene	0.5749468	7.091346	6.889167	2.530425			20	
Cyclohexane	0.7755212	4.299367	5.323666	4.346921E-02			20	
Dibromochloromethane	0.5228273	5.199225	7.7205	0.0136908			20	
Dichlorodifluoromethane	0.3048972	3.532377	1.636	0.0203973			20	
Ethylbenzene	3.043616	3.549773	8.235833	4.416556E-02			CCC (30)	
Isopropylbenzene	3.397402	8.290169	9.019166	2.150058			20	
Methyl Acetate	0.3919957	2.73001	3.739667	1.834169E-02			20	
Methylcyclohexane	0.6586006	4.593421	6.2035	4.472798E-02			20	
Methylene Chloride	0.4217478	26.06355	3.837	1.644102E-02	0.99992		0.995	
Methyl-t-Butyl Ether (MTBE)	0.9549939	4.537755	4.0545	8.527745E-02			20	
Styrene	1.687613	3.589756	8.671666	8.315862E-03			20	
Tetrachloroethene	0.5837841	5.736022	7.487	3.812438E-02			20	
Toluene	1.567361	2.959283	7.061	3.584803E-02			CCC (30)	
Toluene-d8	1.734459	3.676852	7.007	1.202355E-02			20	
trans-1,2-Dichloroethene	0.3457039	7.44179	3.942	7.444414			20	
trans-1,3-Dichloropropene	1.00828	4.252824	7.173833	2.430027			20	
Trichloroethene	0.3631699	3.721294	6.087	1.419373E-02			20	
Trichlorofluoromethane	0.428526	6.886698	2.7885	0.1479242			20	
Vinyl chloride	0.4735092	9.669471	1.99	0.2695521			CCC (30)	
Xylenes, total	1.119117	2.055729	8.654	0.0225117			20	

Form 7

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY	Project:	LMC - Utica, NY - NY9A846342
Instrument ID:	HP5975T	Calibration:	R9B1102
Lab File ID:	T0191.D	Calibration Date:	02/11/09 09:32
Sequence:	RB91311	Injection Date:	02/13/09
Lab Sample ID:	RB91311-CCV1	Injection Time:	18:37

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1-Trichloroethane	A	25.0	23.4	0.4857769	0.4541929		-6.5	
1,1,2,2-Tetrachloroethane	A	25.0	27.0	0.9716047	1.048998	0.3	8.0	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	25.0	24.6	0.294071	0.2898073		-1.4	
1,1,2-Trichloroethane	A	25.0	25.8	0.4988627	0.5154865		3.3	
1,1-Dichloroethane	A	25.0	25.1	0.7652277	0.767326	0.1	0.3	
1,1-Dichloroethene	A	25.0	24.9	0.3015216	0.3001275		-0.5	
1,2,4-Trichlorobenzene	A	25.0	23.8	1.035526	0.986077		-4.8	
1,2-Dibromo-3-chloropropane	L	25.0	23.6	0.1887292	0.1685439		-5.5	
1,2-Dibromoethane	A	25.0	24.3	0.5680566	0.5522747		-2.8	
1,2-Dichlorobenzene	A	25.0	24.7	1.542957	1.525061		-1.2	
1,2-Dichloroethane	A	25.0	24.6	0.6012194	0.5903937		-1.8	
1,2-Dichloroethane-d4	A	25.0	24.8	0.3571667	0.4428517		24.0	20 *
1,2-Dichloropropane	A	25.0	26.0	0.4324129	0.4491645		3.9	
1,3-Dichlorobenzene	A	25.0	24.1	1.636849	1.57605		-3.7	
1,4-Dichlorobenzene	A	25.0	24.2	1.647153	1.594234		-3.2	
2-Butanone	A	125	151	0.1849549	0.2229823		20.6	
2-Hexanone	A	125	139	0.5089728	0.5643136		10.9	
4-Bromofluorobenzene	A	25.0	23.1	0.4646193	0.5360273		15.4	20
4-Methyl-2-pentanone	A	125	135	0.7861478	0.8484733		7.9	
Acetone	A	125	152	0.1096588	0.1334774		21.7	
Benzene	A	25.0	25.2	1.505551	1.519674		0.9	
Bromodichloromethane	A	25.0	24.2	0.4440048	0.4303219		-3.1	
Bromoform	A	25.0	22.1	0.3340572	0.2953984	0.1	-11.6	
Bromomethane	L	25.0	30.6	0.1813289	0.1867259		22.5	
Carbon disulfide	A	25.0	23.6	1.119843	1.057861		-5.5	
Carbon Tetrachloride	A	25.0	23.7	0.3916515	0.3715864		-5.1	
Chlorobenzene	A	25.0	24.4	1.676476	1.6345	0.3	-2.5	
Chloroethane	A	25.0	28.9	0.2315082	0.2677453		15.7	

Form 7

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY	Project:	LMC - Utica, NY - NY9A846342
Instrument ID:	HP5975T	Calibration:	R9B1102
Lab File ID:	T0191.D	Calibration Date:	02/11/09 09:32
Sequence:	RB91311	Injection Date:	02/13/09
Lab Sample ID:	RB91311-CCV1	Injection Time:	18:37

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Chloroform	A	25.0	24.5	0.6204609	0.6074742		-2.1	
Chloromethane	A	25.0	23.2	0.5213277	0.4833219	0.1	-7.3	
cis-1,2-Dichloroethene	A	25.0	24.4	0.3883286	0.3793717		-2.3	
cis-1,3-Dichloropropene	A	25.0	25.1	0.5749468	0.5886674		2.4	
Cyclohexane	A	25.0	24.9	0.7755212	0.7732665		-0.3	
Dibromochloromethane	A	25.0	24.0	0.5228273	0.5027804		-3.8	
Dichlorodifluoromethane	A	25.0	20.9	0.3048972	0.2552325		-16.3	
Ethylbenzene	A	25.0	24.3	3.043616	2.954841		-2.9	
Isopropylbenzene	A	25.0	24.9	3.397402	3.476612		2.3	
Methyl Acetate	A	25.0	31.2	0.3919957	0.4894861		24.9	
Methylcyclohexane	A	25.0	25.3	0.6586006	0.6658957		1.1	
Methylene Chloride	L	25.0	26.7	0.4217478	0.3891315		6.8	
Methyl-t-Butyl Ether (MTBE)	A	25.0	26.5	0.9549939	1.011813		5.9	
Styrene	A	25.0	23.9	1.687613	1.611494		-4.5	
Tetrachloroethene	A	25.0	22.8	0.5837841	0.5322841		-8.8	
Toluene	A	25.0	25.5	1.567361	1.601368		2.2	
Toluene-d8	A	25.0	26.3	1.734459	2.282654		31.6	20 *
trans-1,2-Dichloroethene	A	25.0	24.7	0.3457039	0.351482		1.7	
trans-1,3-Dichloropropene	A	25.0	24.6	1.00828	0.9699497		-3.8	
Trichloroethene	A	25.0	24.6	0.3631699	0.3573605		-1.6	
Trichlorofluoromethane	A	25.0	27.9	0.428526	0.4785943		11.7	
Vinyl chloride	A	25.0	25.5	0.4735092	0.483288		2.1	
Xylenes, total	A	75.0	73.9	1.119117	1.103204		-1.4	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

HOLDING TIME SUMMARY
8260B

Laboratory: TestAmerica Buffalo

SDG:

Client: ARCADIS U.S., Inc. - Albany, NY

Project: LMC - Utica, NY - NY9A846342

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
MH-1	02/04/09 11:00	02/05/09 08:30	02/13/09 18:00	9.29	14.00	02/14/09 01:13	9.59	14.00	
MH-2	02/04/09 15:45	02/05/09 08:30	02/13/09 18:00	9.09	14.00	02/14/09 01:37	9.41	14.00	
TRIP BLANK	02/04/09 00:00	02/05/09 08:30	02/13/09 18:00	9.75	14.00	02/14/09 02:01	10.08	14.00	

Supporting Documentation

RSB0148

Supporting Documentation

RSB0148

Supporting Documentation

RSB0148

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Analytical Report

Work Order: RSB0148

Work Order Description: LMC - Utica, NY

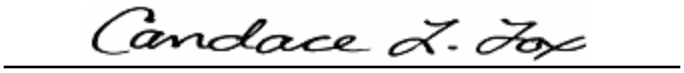
For:

Project Manager

ARCADIS U.S., Inc. - Albany, NY

465 New Karner Road

Albany, NY 12205



Candace Fox

Project Manager

candace.fox@testamericainc.com

Wednesday, March 11, 2009

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

TestAmerica Buffalo
Current Certifications

As of 1/27/2009

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA,CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T10470441208-TX
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department ofEnergy	DOECAP-STB
Virginia	SDWA	278
Washington*	NELAP CWA,RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA,RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

Case Narrative

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

DATA QUALIFIERS AND DEFINITIONS

J Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSB0148-01 (MH-1 - Water)						**Sampled: 02/04/09 11:00**			**Recvd: 02/05/09 08:30**	
Volatile Organic Compounds by EPA 8260B										
1,1,2-Trichloro-1,2,2-trifluoroethane	**24**		1.0	0.31	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,1-Dichloroethane	**8.4**		1.0	0.75	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Chloroethane	**0.70**	J	1.0	0.32	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
cis-1,2-Dichloroethene	**39**		1.0	0.16	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Dichlorodifluoromethane	**1.5**		1.0	0.29	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Tetrachloroethene	**31**		1.0	0.36	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Trichloroethene	**64**		1.0	0.18	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Vinyl chloride	**0.50**	J	1.0	0.24	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Sample ID: RSB0148-02 (MH-2 - Water)						**Sampled: 02/04/09 15:45**			**Recvd: 02/05/09 08:30**	
Volatile Organic Compounds by EPA 8260B										
1,1-Dichloroethane	**1.6**		1.0	0.75	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
cis-1,2-Dichloroethene	**10**		1.0	0.16	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Tetrachloroethene	**3.8**		1.0	0.36	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
trans-1,2-Dichloroethene	**0.22**	J	1.0	0.13	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Trichloroethene	**6.7**		1.0	0.18	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Vinyl chloride	**1.0**	J	1.0	0.24	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

Sample Summary

SAMPLE IDENTIFICATION	LAB NUMBER	Client Matrix	Date/Time Sampled	Date/Time Received
MH-1	RSB0148-01	Water	02/04/09 11:00	02/05/09 08:30
MH-2	RSB0148-02	Water	02/04/09 15:45	02/05/09 08:30
TRIP BLANK	RSB0148-03	Water	02/04/09	02/05/09 08:30

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSB0148-01 (MH-1 - Water)						**Sampled: 02/04/09 11:00**			**Recvd: 02/05/09 08:30**	
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	**24**		1.0	0.31	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,1-Dichloroethane	**8.4**		1.0	0.75	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	1.0	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,2-Dichloropropane	ND		1.0	0.14	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
2-Butanone	ND		5.0	1.3	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
4-Methyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Acetone	ND		5.0	1.3	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Benzene	ND		1.0	0.16	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Chloroethane	**0.70**	J	1.0	0.32	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
cis-1,2-Dichloroethene	**39**		1.0	0.16	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Cyclohexane	ND		1.0	0.53	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Dichlorodifluoromethane	**1.5**		1.0	0.29	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Ethylbenzene	ND		1.0	0.18	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Methyl Acetate	ND		1.0	0.17	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Methylcyclohexane	ND		1.0	0.50	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Tetrachloroethene	**31**		1.0	0.36	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
trans-1,2-Dichloroethene	ND		1.0	0.13	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Trichloroethene	**64**		1.0	0.18	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Vinyl chloride	**0.50**	J	1.0	0.24	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Xylenes, total	ND		3.0	0.93	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Surr: 1,2-Dichloroethane-d4 (66-137%)	*105 %*						02/14/09 01:13	CDC	9B13079	8260B
Surr: 4-Bromofluorobenzene (73-120%)	*89 %*						02/14/09 01:13	CDC	9B13079	8260B
Surr: Toluene-d8 (71-126%)	*104 %*						02/14/09 01:13	CDC	9B13079	8260B

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSB0148-02 (MH-2 - Water)						**Sampled: 02/04/09 15:45**			**Recvd: 02/05/09 08:30**	
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,1-Dichloroethane	**1.6**		1.0	0.75	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	1.0	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,2-Dichloropropane	ND		1.0	0.14	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
2-Butanone	ND		5.0	1.3	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
4-Methyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Acetone	ND		5.0	1.3	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Benzene	ND		1.0	0.16	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
cis-1,2-Dichloroethene	**10**		1.0	0.16	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Cyclohexane	ND		1.0	0.53	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Dichlorodifluoromethane	ND		1.0	0.29	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Ethylbenzene	ND		1.0	0.18	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Methyl Acetate	ND		1.0	0.17	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Methylcyclohexane	ND		1.0	0.50	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Tetrachloroethene	**3.8**		1.0	0.36	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
trans-1,2-Dichloroethene	**0.22**	J	1.0	0.13	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Trichloroethene	**6.7**		1.0	0.18	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Vinyl chloride	**1.0**	J	1.0	0.24	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Xylenes, total	ND		3.0	0.93	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Surr: 1,2-Dichloroethane-d4 (66-137%)	*104 %*						02/14/09 01:37	CDC	9B13079	8260B
Surr: 4-Bromofluorobenzene (73-120%)	*87 %*						02/14/09 01:37	CDC	9B13079	8260B
Surr: Toluene-d8 (71-126%)	*105 %*						02/14/09 01:37	CDC	9B13079	8260B

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSB0148-03 (TRIP BLANK - Water)						**Sampled: 02/04/09**			**Recvd: 02/05/09 08:30**	
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,1-Dichloroethane	ND		1.0	0.75	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	1.0	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,2-Dichloropropane	ND		1.0	0.14	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
2-Butanone	ND		5.0	1.3	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
4-Methyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Acetone	ND		5.0	1.3	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Benzene	ND		1.0	0.16	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
cis-1,2-Dichloroethene	ND		1.0	0.16	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Cyclohexane	ND		1.0	0.53	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Dichlorodifluoromethane	ND		1.0	0.29	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Ethylbenzene	ND		1.0	0.18	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Methyl Acetate	ND		1.0	0.17	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Methylcyclohexane	ND		1.0	0.50	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
trans-1,2-Dichloroethene	ND		1.0	0.13	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Trichloroethene	ND		1.0	0.18	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Vinyl chloride	ND		1.0	0.24	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Xylenes, total	ND		3.0	0.93	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Surr: 1,2-Dichloroethane-d4 (66-137%)	*103 %*						02/14/09 02:01	CDC	9B13079	8260B
Surr: 4-Bromofluorobenzene (73-120%)	*87 %*						02/14/09 02:01	CDC	9B13079	8260B
Surr: Toluene-d8 (71-126%)	*104 %*						02/14/09 02:01	CDC	9B13079	8260B

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extract Volume	Date	Analyst	Extraction Method
Volatile Organic Compounds by EPA 8260B							
8260B	9B13079	RSB0148-01	5.00	5.00	02/13/09 18:00	CDC	5030B MS
8260B	9B13079	RSB0148-02	5.00	5.00	02/13/09 18:00	CDC	5030B MS
8260B	9B13079	RSB0148-03	5.00	5.00	02/13/09 18:00	CDC	5030B MS

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

LABORATORY QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	MRL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Qualifiers
Volatile Organic Compounds by EPA 8260B												
Blank Analyzed: 02/13/09 (9B13079-BLK1)												
1,1,1-Trichloroethane	9B13079			1.0	0.26	ug/L	ND					
1,1,2,2-Tetrachloroethane	9B13079			1.0	0.21	ug/L	ND					
1,1,2-Trichloroethane	9B13079			1.0	0.23	ug/L	ND					
1,1,2-Trichloro-1,2,2-trifluoroethane	9B13079			1.0	0.31	ug/L	ND					
1,1-Dichloroethane	9B13079			1.0	0.75	ug/L	ND					
1,1-Dichloroethene	9B13079			1.0	0.29	ug/L	ND					
1,2,4-Trichlorobenzene	9B13079			1.0	0.41	ug/L	ND					
1,2-Dibromo-3-chloropropane	9B13079			1.0	1.0	ug/L	ND					
1,2-Dibromoethane	9B13079			1.0	0.17	ug/L	ND					
1,2-Dichlorobenzene	9B13079			1.0	0.20	ug/L	ND					
1,2-Dichloroethane	9B13079			1.0	0.21	ug/L	ND					
1,2-Dichloropropane	9B13079			1.0	0.14	ug/L	ND					
1,3-Dichlorobenzene	9B13079			1.0	0.16	ug/L	ND					
1,4-Dichlorobenzene	9B13079			1.0	0.16	ug/L	ND					
2-Butanone	9B13079			5.0	1.3	ug/L	ND					
2-Hexanone	9B13079			5.0	1.2	ug/L	ND					
4-Methyl-2-pentanone	9B13079			5.0	0.91	ug/L	ND					
Acetone	9B13079			5.0	1.3	ug/L	ND					
Benzene	9B13079			1.0	0.16	ug/L	ND					
Bromodichloromethane	9B13079			1.0	0.39	ug/L	ND					
Bromoform	9B13079			1.0	0.26	ug/L	ND					
Bromomethane	9B13079			1.0	0.28	ug/L	ND					
Carbon disulfide	9B13079			1.0	0.19	ug/L	ND					
Carbon Tetrachloride	9B13079			1.0	0.27	ug/L	ND					
Chlorobenzene	9B13079			1.0	0.32	ug/L	ND					
Dibromochloromethane	9B13079			1.0	0.32	ug/L	ND					
Chloroethane	9B13079			1.0	0.32	ug/L	ND					
Chloroform	9B13079			1.0	0.34	ug/L	ND					
Chloromethane	9B13079			1.0	0.35	ug/L	ND					
cis-1,2-Dichloroethene	9B13079			1.0	0.16	ug/L	ND					
cis-1,3-Dichloropropene	9B13079			1.0	0.36	ug/L	ND					
Cyclohexane	9B13079			1.0	0.53	ug/L	ND					
Dichlorodifluoromethane	9B13079			1.0	0.29	ug/L	ND					
Ethylbenzene	9B13079			1.0	0.18	ug/L	ND					
Isopropylbenzene	9B13079			1.0	0.19	ug/L	ND					
Methyl Acetate	9B13079			1.0	0.17	ug/L	ND					
Methyl-t-Butyl Ether (MTBE)	9B13079			1.0	0.16	ug/L	ND					
Methylcyclohexane	9B13079			1.0	0.50	ug/L	ND					
Methylene Chloride	9B13079			1.0	0.44	ug/L	ND					
Styrene	9B13079			1.0	0.18	ug/L	ND					
Tetrachloroethene	9B13079			1.0	0.36	ug/L	ND					
Toluene	9B13079			1.0	0.51	ug/L	ND					
trans-1,2-Dichloroethene	9B13079			1.0	0.13	ug/L	ND					
trans-1,3-Dichloropropene	9B13079			1.0	0.37	ug/L	ND					
Trichloroethene	9B13079			1.0	0.18	ug/L	ND					

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

LABORATORY QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	MRL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Qualifiers
Volatile Organic Compounds by EPA 8260B												
Blank Analyzed: 02/13/09 (9B13079-BLK1)												
Trichlorofluoromethane	9B13079			1.0	0.15	ug/L	ND					
Vinyl chloride	9B13079			1.0	0.24	ug/L	ND					
Xylenes, total	9B13079			3.0	0.93	ug/L	ND					
Surrogate: 1,2-Dichloroethane-d4						ug/L		*100*	*66-137*			
Surrogate: 4-Bromofluorobenzene						ug/L		*86*	*73-120*			
Surrogate: Toluene-d8						ug/L		*104*	*71-126*			
LCS Analyzed: 02/13/09 (9B13079-BS1)												
1,1,1-Trichloroethane	9B13079		25	N/A	NA	ug/L	23.2	93	78-124			
1,1,2,2-Tetrachloroethane	9B13079		25	N/A	NA	ug/L	28.2	113	70-126			
1,1,2-Trichloroethane	9B13079		25	N/A	NA	ug/L	26.2	105	76-122			
1,1,2-Trichloro-1,2,2-trifluoroethane	9B13079		25	N/A	NA	ug/L	23.6	94	60-140			
1,1-Dichloroethane	9B13079		25	N/A	NA	ug/L	24.1	96	78-120			
1,1-Dichloroethene	9B13079		25	N/A	NA	ug/L	23.9	96	73-143			
1,2,4-Trichlorobenzene	9B13079		25	N/A	NA	ug/L	23.2	93	70-122			
1,2-Dibromo-3-chloropropane	9B13079		25	N/A	NA	ug/L	23.1	92	65-126			
1,2-Dibromoethane	9B13079		25	N/A	NA	ug/L	24.9	100	80-115			
1,2-Dichlorobenzene	9B13079		25	N/A	NA	ug/L	24.3	97	79-114			
1,2-Dichloroethane	9B13079		25	N/A	NA	ug/L	24.0	96	77-122			
1,2-Dichloropropane	9B13079		25	N/A	NA	ug/L	25.9	104	80-117			
1,3-Dichlorobenzene	9B13079		25	N/A	NA	ug/L	23.9	95	77-120			
1,4-Dichlorobenzene	9B13079		25	N/A	NA	ug/L	24.1	96	77-114			
2-Butanone	9B13079		120	N/A	NA	ug/L	155	124	67-131			
2-Hexanone	9B13079		120	N/A	NA	ug/L	145	116	65-127			
4-Methyl-2-pentanone	9B13079		120	N/A	NA	ug/L	138	110	71-125			
Acetone	9B13079		120	N/A	NA	ug/L	152	122	65-128			
Benzene	9B13079		25	N/A	NA	ug/L	25.0	100	79-121			
Bromodichloromethane	9B13079		25	N/A	NA	ug/L	24.4	97	80-122			
Bromoform	9B13079		25	N/A	NA	ug/L	22.2	89	69-126			
Bromomethane	9B13079		25	N/A	NA	ug/L	29.0	116	46-148			
Carbon disulfide	9B13079		25	N/A	NA	ug/L	23.3	93	62-131			
Carbon Tetrachloride	9B13079		25	N/A	NA	ug/L	23.5	94	72-134			
Chlorobenzene	9B13079		25	N/A	NA	ug/L	24.0	96	79-118			
Dibromochloromethane	9B13079		25	N/A	NA	ug/L	24.3	97	76-121			
Chloroethane	9B13079		25	N/A	NA	ug/L	26.7	107	69-136			
Chloroform	9B13079		25	N/A	NA	ug/L	24.4	98	78-120			
Chloromethane	9B13079		25	N/A	NA	ug/L	20.3	81	62-126			
cis-1,2-Dichloroethene	9B13079		25	N/A	NA	ug/L	24.2	97	78-117			
cis-1,3-Dichloropropene	9B13079		25	N/A	NA	ug/L	26.1	104	79-120			
Cyclohexane	9B13079		25	N/A	NA	ug/L	24.7	99	78-120			
Dichlorodifluoromethane	9B13079		25	N/A	NA	ug/L	15.9	63	45-146			
Ethylbenzene	9B13079		25	N/A	NA	ug/L	24.6	98	81-117			
Isopropylbenzene	9B13079		25	N/A	NA	ug/L	25.6	102	77-122			
Methyl Acetate	9B13079		25	N/A	NA	ug/L	32.2	129	60-140			
Methyl-t-Butyl Ether (MTBE)	9B13079		25	N/A	NA	ug/L	27.0	108	75-129			
Methylcyclohexane	9B13079		25	N/A	NA	ug/L	25.1	100	77-120			

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

LABORATORY QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	MRL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Qualifiers
Volatile Organic Compounds by EPA 8260B												
LCS Analyzed: 02/13/09 (9B13079-BS1)												
Methylene Chloride	9B13079		25	N/A	NA	ug/L	25.7	103	61-120			
Styrene	9B13079		25	N/A	NA	ug/L	25.8	103	81-119			
Tetrachloroethene	9B13079		25	N/A	NA	ug/L	22.8	91	77-120			
Toluene	9B13079		25	N/A	NA	ug/L	25.0	100	77-119			
trans-1,2-Dichloroethene	9B13079		25	N/A	NA	ug/L	24.2	97	79-122			
trans-1,3-Dichloropropene	9B13079		25	N/A	NA	ug/L	24.9	100	77-119			
Trichloroethene	9B13079		25	N/A	NA	ug/L	24.2	97	80-121			
Trichlorofluoromethane	9B13079		25	N/A	NA	ug/L	23.3	93	63-136			
Vinyl chloride	9B13079		25	N/A	NA	ug/L	22.6	90	68-127			
Xylenes, total	9B13079		75	N/A	NA	ug/L	73.1	97	80-117			
Surrogate: 1,2-Dichloroethane-d4						ug/L		*99*	*66-137*			
Surrogate: 4-Bromofluorobenzene						ug/L		*92*	*73-120*			
Surrogate: Toluene-d8						ug/L		*104*	*71-126*			

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
ARCADIS	Chris Motta	2-4-09	109866
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page _____ of _____**
1 International Blvd. Suite #406	201-684-1410 / 201-684-1420		
City	**State**	**Zip Code**	**Site Contact**	**Lab Contact**
Mahwah	NJ	07495	Jeff Bonstedt	Cindy Fox
Project Name and Location (State)	**Carrier/Waybill Number**	
LMC - Utica (New York)		
Contract/Purchase Order/Quote No.	
N50006382.0001	

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TCL VOAs	PCBs	HSL ME	HSL PAH	DRO	GRO	Special Instructions/ Conditions of Receipt
MW-3	2-3-09	1515		X			4	2	1	4			X	X	X	X	X	X	Hold for ARCADIS approval
MW-4	2-3-09	1120		X			4	2	1	4			X	X	X	X	X	X	
MW-1 (DOT)	2-4-09	9:36		X						2			X						
MW-F	2-4-09	11:15		X						2			X						
MW-D	2-4-09	1156		X						2			X						
MW-E	2-4-09	1240		X						2			X						
MH-1	2-4-09	11:00		X						2			X						
MH-2	2-4-09	15:35		X						2			X						
Trip Blank	1-20-09			X						1			X						
~~Field~~ FB FB(020309)	2-3-09	1650		X			4	2	1	4			X	X	X	X	X	X	
FB(020409)	2-4-09	1600		X						2			X						

5 DAY TAT

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	2.4.09	7:00PM	1. Received By	2/5/09	0830
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments
CS# 357757 & 357758

2020

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Analytical Report

Work Order: RSB0148

Work Order Description: LMC - Utica, NY

For:

Project Manager

ARCADIS U.S., Inc. - Albany, NY

465 New Karner Road

Albany, NY 12205

Candace L. Fox

Candace Fox

Project Manager

candace.fox@testamericainc.com

Wednesday, March 11, 2009

3/13

DV Ref # 9876

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

TestAmerica Buffalo
Current Certifications

As of 1/27/2009

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA,CLP	10026
Oklahoma	CWA, RCRA	9421
Pennsylvania*	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T10470441208-TX
USDA	FOREIGN SOIL PERMIT	S-41579
USDOE	Department ofEnergy	DOECAP-STB
Virginia	SDWA	278
Washington*	NELAP CWA,RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA,RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

Case Narrative

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

A pertinent document is appended to this report, 1 page, is included and is an integral part of this report.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

DATA QUALIFIERS AND DEFINITIONS

J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSB0148-01 (MH-1 - Water)						**Sampled: 02/04/09 11:00**			**Recvd: 02/05/09 08:30**	
Volatile Organic Compounds by EPA 8260B										
1,1,2-Trichloro-1,2,2-trifluoroethane	24		1.0	0.31	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,1-Dichloroethane	8.4		1.0	0.75	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Chloroethane	0.70	J	1.0	0.32	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
cis-1,2-Dichloroethene	39		1.0	0.16	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Dichlorodifluoromethane	1.5		1.0	0.29	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Tetrachloroethene	31		1.0	0.36	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Trichloroethene	64		1.0	0.18	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Vinyl chloride	0.50	J	1.0	0.24	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Sample ID: RSB0148-02 (MH-2 - Water)						**Sampled: 02/04/09 15:45**			**Recvd: 02/05/09 08:30**	
Volatile Organic Compounds by EPA 8260B										
1,1-Dichloroethane	1.6		1.0	0.75	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
cis-1,2-Dichloroethene	10		1.0	0.16	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Tetrachloroethene	3.8		1.0	0.36	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
trans-1,2-Dichloroethene	0.22	J	1.0	0.13	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Trichloroethene	6.7		1.0	0.18	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Vinyl chloride	1.0	J	1.0	0.24	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

Sample Summary

SAMPLE IDENTIFICATION	LAB NUMBER	Client Matrix	Date/Time Sampled	Date/Time Received
MH-1	RSB0148-01	Water	02/04/09 11:00	02/05/09 08:30
MH-2	RSB0148-02	Water	02/04/09 15:45	02/05/09 08:30
TRIP BLANK	RSB0148-03	Water	02/04/09	02/05/09 08:30

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ARCADIS U.S., Inc. - Albany, NY
465 New Kamer Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extract Volume	Date	Analyst	Extraction Method
Volatile Organic Compounds by EPA 8260B							
8260B	9B13079	RSB0148-01	5.00	5.00	02/13/09 18:00	CDC	5030B MS
8260B	9B13079	RSB0148-02	5.00	5.00	02/13/09 18:00	CDC	5030B MS
8260B	9B13079	RSB0148-03	5.00	5.00	02/13/09 18:00	CDC	5030B MS

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSB0148-01 (MH-1 - Water)						**Sampled: 02/04/09 11:00**			**Recvd: 02/05/09 08:30**	
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	**24**		1.0	0.31	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,1-Dichloroethane	**8.4**		1.0	0.75	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	1.0	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,2-Dichloropropane	ND		1.0	0.14	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
2-Butanone	ND		5.0	1.3	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
4-Methyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Acetone	ND		5.0	1.3	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Benzene	ND		1.0	0.16	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Chloroethane	**0.70**	J	1.0	0.32	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
cis-1,2-Dichloroethene	**39**		1.0	0.16	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Cyclohexane	ND		1.0	0.53	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Dichlorodifluoromethane	**1.5**		1.0	0.29	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Ethylbenzene	ND		1.0	0.18	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Methyl Acetate	ND		1.0	0.17	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Methylcyclohexane	ND		1.0	0.50	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Tetrachloroethene	**31**		1.0	0.36	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
trans-1,2-Dichloroethene	ND		1.0	0.13	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Trichloroethene	**64**		1.0	0.18	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Vinyl chloride	**0.50**	J	1.0	0.24	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Xylenes, total	ND		3.0	0.93	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Surr: 1,2-Dichloroethane-d4 (66-137%)	*105 %*						02/14/09 01:13	CDC	9B13079	8260B
Surr: 4-Bromofluorobenzene (73-120%)	*89 %*						02/14/09 01:13	CDC	9B13079	8260B
Surr: Toluene-d8 (71-126%)	*104 %*						02/14/09 01:13	CDC	9B13079	8260B

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSB0148-02 (MH-2 - Water)						**Sampled: 02/04/09 15:45**			**Recvd: 02/05/09 08:30**	
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,1-Dichloroethane	**1.6**		1.0	0.75	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	1.0	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,2-Dichloropropane	ND		1.0	0.14	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
2-Butanone	ND		5.0	1.3	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
4-Methyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Acetone	ND		5.0	1.3	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Benzene	ND		1.0	0.16	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
cis-1,2-Dichloroethene	**10**		1.0	0.16	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Cyclohexane	ND		1.0	0.53	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Dichlorodifluoromethane	ND		1.0	0.29	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Ethylbenzene	ND		1.0	0.18	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Methyl Acetate	ND		1.0	0.17	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Methylcyclohexane	ND		1.0	0.50	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Tetrachloroethene	**3.8**		1.0	0.36	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
trans-1,2-Dichloroethene	**0.22**	J	1.0	0.13	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Trichloroethene	**6.7**		1.0	0.18	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Vinyl chloride	**1.0**	J	1.0	0.24	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Xylenes, total	ND		3.0	0.93	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Surr: 1,2-Dichloroethane-d4 (66-137%)	*104 %*						02/14/09 01:37	CDC	9B13079	8260B
Surr: 4-Bromofluorobenzene (73-120%)	*87 %*						02/14/09 01:37	CDC	9B13079	8260B
Surr: Toluene-d8 (71-126%)	*105 %*						02/14/09 01:37	CDC	9B13079	8260B

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSB0148-03 (TRIP BLANK - Water)						**Sampled: 02/04/09**			**Recvd: 02/05/09 08:30**	
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,1-Dichloroethane	ND		1.0	0.75	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	1.0	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,2-Dichloropropane	ND		1.0	0.14	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
2-Butanone	ND		5.0	1.3	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
4-Methyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Acetone	ND		5.0	1.3	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Benzene	ND		1.0	0.16	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
cis-1,2-Dichloroethene	ND		1.0	0.16	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Cyclohexane	ND		1.0	0.53	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Dichlorodifluoromethane	ND		1.0	0.29	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Ethylbenzene	ND		1.0	0.18	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Methyl Acetate	ND		1.0	0.17	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Methylcyclohexane	ND		1.0	0.50	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
trans-1,2-Dichloroethene	ND		1.0	0.13	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Trichloroethene	ND		1.0	0.18	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Vinyl chloride	ND		1.0	0.24	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Xylenes, total	ND		3.0	0.93	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Surr: 1,2-Dichloroethane-d4 (66-137%)	*103 %*						02/14/09 02:01	CDC	9B13079	8260B
Surr: 4-Bromofluorobenzene (73-120%)	*87 %*						02/14/09 02:01	CDC	9B13079	8260B
Surr: Toluene-d8 (71-126%)	*104 %*						02/14/09 02:01	CDC	9B13079	8260B

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: ARCADIS	Project Manager: Chris Motta	Date: 2-4-09	Chain of Custody Number: 109866
Address: 1 International BLVD. Suite #406	Telephone Number (Area Code)/Fax Number: 201-684-1410 / 201-684-1420	Lab Number:	Page _____ of _____
City: Mahwah / State: NJ / Zip Code: 07495	Site Contact: Jeff Bousted	Lab Contact: Candy Fox	
Project Name and Location (State): LMC - Utica (New York)	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: NS000638.0001			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TCL VOAs	PCBs	HSL ME	HSL PAH	DRO	GRO
MW-3	2-3-09	1515		X			4	2	1	4			X	X	X	X	X	X
MW-4	2-3-09	1120		X			4	2	1	4			X	X	X	X	X	X
MW-1 (DUP)	2-4-09	9:36		X						2			X					
MW-F	2-4-09	11:15		X						2			X					
MW-D	2-4-09	1156		X						2			X					
MW-E	2-4-09	1240		X						2			X					
MH-1	2-4-09	11:00		X						2			X					
MH-2	2-4-09	15:45		X						2			X					
Trip Blank	1-20-09			X						1			X					
~~Field~~ FB(020309)	2-3-09	1650		X			4	2	1	4			X	X	X	X	X	X
FB(020409)	2-4-09	1600		X						2			X					

Special Instructions/ Conditions of Receipt: Hold for ARCADIS approval

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	2.4.09	7:00 PM	1. Received By	2/5/09	0830
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: CS# 357757 + 357758 2020

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

LABORATORY QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	MRL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Qualifiers
Volatile Organic Compounds by EPA 8260B												
Blank Analyzed: 02/13/09 (9B13079-BLK1)												
1,1,1-Trichloroethane	9B13079			1.0	0.26	ug/L	ND					
1,1,2,2-Tetrachloroethane	9B13079			1.0	0.21	ug/L	ND					
1,1,2-Trichloroethane	9B13079			1.0	0.23	ug/L	ND					
1,1,2-Trichloro-1,2,2-trifluoroethane	9B13079			1.0	0.31	ug/L	ND					
1,1-Dichloroethane	9B13079			1.0	0.75	ug/L	ND					
1,1-Dichloroethene	9B13079			1.0	0.29	ug/L	ND					
1,2,4-Trichlorobenzene	9B13079			1.0	0.41	ug/L	ND					
1,2-Dibromo-3-chloropropane	9B13079			1.0	1.0	ug/L	ND					
1,2-Dibromoethane	9B13079			1.0	0.17	ug/L	ND					
1,2-Dichlorobenzene	9B13079			1.0	0.20	ug/L	ND					
1,2-Dichloroethane	9B13079			1.0	0.21	ug/L	ND					
1,2-Dichloropropane	9B13079			1.0	0.14	ug/L	ND					
1,3-Dichlorobenzene	9B13079			1.0	0.16	ug/L	ND					
1,4-Dichlorobenzene	9B13079			1.0	0.16	ug/L	ND					
2-Butanone	9B13079			5.0	1.3	ug/L	ND					
2-Hexanone	9B13079			5.0	1.2	ug/L	ND					
4-Methyl-2-pentanone	9B13079			5.0	0.91	ug/L	ND					
Acetone	9B13079			5.0	1.3	ug/L	ND					
Benzene	9B13079			1.0	0.16	ug/L	ND					
Bromodichloromethane	9B13079			1.0	0.39	ug/L	ND					
Bromoform	9B13079			1.0	0.26	ug/L	ND					
Bromomethane	9B13079			1.0	0.28	ug/L	ND					
Carbon disulfide	9B13079			1.0	0.19	ug/L	ND					
Carbon Tetrachloride	9B13079			1.0	0.27	ug/L	ND					
Chlorobenzene	9B13079			1.0	0.32	ug/L	ND					
Dibromochloromethane	9B13079			1.0	0.32	ug/L	ND					
Chloroethane	9B13079			1.0	0.32	ug/L	ND					
Chloroform	9B13079			1.0	0.34	ug/L	ND					
Chloromethane	9B13079			1.0	0.35	ug/L	ND					
cis-1,2-Dichloroethene	9B13079			1.0	0.16	ug/L	ND					
cis-1,3-Dichloropropene	9B13079			1.0	0.36	ug/L	ND					
Cyclohexane	9B13079			1.0	0.53	ug/L	ND					
Dichlorodifluoromethane	9B13079			1.0	0.29	ug/L	ND					
Ethylbenzene	9B13079			1.0	0.18	ug/L	ND					
Isopropylbenzene	9B13079			1.0	0.19	ug/L	ND					
Methyl Acetate	9B13079			1.0	0.17	ug/L	ND					
Methyl-t-Butyl Ether (MTBE)	9B13079			1.0	0.16	ug/L	ND					
Methylcyclohexane	9B13079			1.0	0.50	ug/L	ND					
Methylene Chloride	9B13079			1.0	0.44	ug/L	ND					
Styrene	9B13079			1.0	0.18	ug/L	ND					
Tetrachloroethene	9B13079			1.0	0.36	ug/L	ND					
Toluene	9B13079			1.0	0.51	ug/L	ND					
trans-1,2-Dichloroethene	9B13079			1.0	0.13	ug/L	ND					
trans-1,3-Dichloropropene	9B13079			1.0	0.37	ug/L	ND					
Trichloroethene	9B13079			1.0	0.18	ug/L	ND					

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

LABORATORY QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	MRL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Qualifiers
Volatile Organic Compounds by EPA 8260B												
Blank Analyzed: 02/13/09 (9B13079-BLK1)												
Trichlorofluoromethane	9B13079			1.0	0.15	ug/L	ND					
Vinyl chloride	9B13079			1.0	0.24	ug/L	ND					
Xylenes, total	9B13079			3.0	0.93	ug/L	ND					
Surrogate: 1,2-Dichloroethane-d4						ug/L		*100*	*66-137*			
Surrogate: 4-Bromofluorobenzene						ug/L		*86*	*73-120*			
Surrogate: Toluene-d8						ug/L		*104*	*71-126*			
LCS Analyzed: 02/13/09 (9B13079-BS1)												
1,1,1-Trichloroethane	9B13079		25	N/A	NA	ug/L	23.2	93	78-124			
1,1,2,2-Tetrachloroethane	9B13079		25	N/A	NA	ug/L	28.2	113	70-126			
1,1,2-Trichloroethane	9B13079		25	N/A	NA	ug/L	26.2	105	76-122			
1,1,2-Trichloro-1,2,2-trifluoroethane	9B13079		25	N/A	NA	ug/L	23.6	94	60-140			
1,1-Dichloroethane	9B13079		25	N/A	NA	ug/L	24.1	96	78-120			
1,1-Dichloroethene	9B13079		25	N/A	NA	ug/L	23.9	96	73-143			
1,2,4-Trichlorobenzene	9B13079		25	N/A	NA	ug/L	23.2	93	70-122			
1,2-Dibromo-3-chloropropane	9B13079		25	N/A	NA	ug/L	23.1	92	65-126			
1,2-Dibromoethane	9B13079		25	N/A	NA	ug/L	24.9	100	80-115			
1,2-Dichlorobenzene	9B13079		25	N/A	NA	ug/L	24.3	97	79-114			
1,2-Dichloroethane	9B13079		25	N/A	NA	ug/L	24.0	96	77-122			
1,2-Dichloropropane	9B13079		25	N/A	NA	ug/L	25.9	104	80-117			
1,3-Dichlorobenzene	9B13079		25	N/A	NA	ug/L	23.9	95	77-120			
1,4-Dichlorobenzene	9B13079		25	N/A	NA	ug/L	24.1	96	77-114			
2-Butanone	9B13079		120	N/A	NA	ug/L	155	124	67-131			
2-Hexanone	9B13079		120	N/A	NA	ug/L	145	116	65-127			
4-Methyl-2-pentanone	9B13079		120	N/A	NA	ug/L	138	110	71-125			
Acetone	9B13079		120	N/A	NA	ug/L	152	122	65-128			
Benzene	9B13079		25	N/A	NA	ug/L	25.0	100	79-121			
Bromodichloromethane	9B13079		25	N/A	NA	ug/L	24.4	97	80-122			
Bromoform	9B13079		25	N/A	NA	ug/L	22.2	89	69-126			
Bromomethane	9B13079		25	N/A	NA	ug/L	29.0	116	46-148			
Carbon disulfide	9B13079		25	N/A	NA	ug/L	23.3	93	62-131			
Carbon Tetrachloride	9B13079		25	N/A	NA	ug/L	23.5	94	72-134			
Chlorobenzene	9B13079		25	N/A	NA	ug/L	24.0	96	79-118			
Dibromochloromethane	9B13079		25	N/A	NA	ug/L	24.3	97	76-121			
Chloroethane	9B13079		25	N/A	NA	ug/L	26.7	107	69-136			
Chloroform	9B13079		25	N/A	NA	ug/L	24.4	98	78-120			
Chloromethane	9B13079		25	N/A	NA	ug/L	20.3	81	62-126			
cis-1,2-Dichloroethene	9B13079		25	N/A	NA	ug/L	24.2	97	78-117			
cis-1,3-Dichloropropene	9B13079		25	N/A	NA	ug/L	26.1	104	79-120			
Cyclohexane	9B13079		25	N/A	NA	ug/L	24.7	99	78-120			
Dichlorodifluoromethane	9B13079		25	N/A	NA	ug/L	15.9	63	45-146			
Ethylbenzene	9B13079		25	N/A	NA	ug/L	24.6	98	81-117			
Isopropylbenzene	9B13079		25	N/A	NA	ug/L	25.6	102	77-122			
Methyl Acetate	9B13079		25	N/A	NA	ug/L	32.2	129	60-140			
Methyl-t-Butyl Ether (MTBE)	9B13079		25	N/A	NA	ug/L	27.0	108	75-129			
Methylcyclohexane	9B13079		25	N/A	NA	ug/L	25.1	100	77-120			

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

LABORATORY QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	MRL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Qualifiers
Volatile Organic Compounds by EPA 8260B												
LCS Analyzed: 02/13/09 (9B13079-BS1)												
Methylene Chloride	9B13079		25	N/A	NA	ug/L	25.7	103	61-120			
Styrene	9B13079		25	N/A	NA	ug/L	25.8	103	81-119			
Tetrachloroethene	9B13079		25	N/A	NA	ug/L	22.8	91	77-120			
Toluene	9B13079		25	N/A	NA	ug/L	25.0	100	77-119			
trans-1,2-Dichloroethene	9B13079		25	N/A	NA	ug/L	24.2	97	79-122			
trans-1,3-Dichloropropene	9B13079		25	N/A	NA	ug/L	24.9	100	77-119			
Trichloroethene	9B13079		25	N/A	NA	ug/L	24.2	97	80-121			
Trichlorofluoromethane	9B13079		25	N/A	NA	ug/L	23.3	93	63-136			
Vinyl chloride	9B13079		25	N/A	NA	ug/L	22.6	90	68-127			
Xylenes, total	9B13079		75	N/A	NA	ug/L	73.1	97	80-117			
Surrogate: 1,2-Dichloroethane-d4						ug/L		*99*	*66-137*			
Surrogate: 4-Bromofluorobenzene						ug/L		*92*	*73-120*			
Surrogate: Toluene-d8						ug/L		*104*	*71-126*			

TestAmerica Buffalo

SDG:

CLASS: VOA

METHOD: 8260B

RSB 6148

ANALYSES DATA PACKAGE COVER PAGE

8260B

Laboratory: TestAmerica Buffalo

SDG:

Client: ARCADIS U.S., Inc. - Albany, NY

Project: LMC - Utica, NY - NY9A846342

Client Sample Id:	Lab Sample Id:
MH-1	RSB0148-01
MH-2	RSB0148-02
TRIP BLANK	RSB0148-03

Form 2

SURROGATE STANDARD RECOVERY AND RT SUMMARY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY	Project:	LMC - Utica, NY - NY9A846342
Sequence:	RB91311	Instrument:	HP5975T
Matrix:	Water	Calibration:	R9B1102

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (9B13079-BLK1)			Lab File ID: T0195.D		Analyzed: 02/13/09 20:22			
1,2-Dichloroethane-d4	25.0	100	66 - 137	5.575	5.574667	0.0003	+/-1.0	
4-Bromofluorobenzene	25.0	86	73 - 120	9.104	9.104	0.0000	+/-1.0	
Toluene-d8	25.0	104	71 - 126	7.007	7.007	0.0000	+/-1.0	
LCS (9B13079-BS1)			Lab File ID: T0193.D		Analyzed: 02/13/09 19:33			
1,2-Dichloroethane-d4	25.0	99	66 - 137	5.575	5.574667	0.0003	+/-1.0	
4-Bromofluorobenzene	25.0	92	73 - 120	9.104	9.104	0.0000	+/-1.0	
Toluene-d8	25.0	104	71 - 126	7.007	7.007	0.0000	+/-1.0	
Calibration Check (RB91311-CCV1)			Lab File ID: T0191.D		Analyzed: 02/13/09 18:37			
1,2-Dichloroethane-d4	25.0	99	66 - 137	5.574	5.574667	-0.0007	+/-1.0	
4-Bromofluorobenzene	25.0	92	73 - 120	9.104	9.104	0.0000	+/-1.0	
Toluene-d8	25.0	105	71 - 126	7.007	7.007	0.0000	+/-1.0	
MH-1 (RSB0148-01)			Lab File ID: T0206.D		Analyzed: 02/14/09 01:13			
1,2-Dichloroethane-d4	25.0	105	66 - 137	5.574	5.574667	-0.0007	+/-1.0	
4-Bromofluorobenzene	25.0	89	73 - 120	9.104	9.104	0.0000	+/-1.0	
Toluene-d8	25.0	104	71 - 126	7.007	7.007	0.0000	+/-1.0	
MH-2 (RSB0148-02)			Lab File ID: T0207.D		Analyzed: 02/14/09 01:37			
1,2-Dichloroethane-d4	25.0	104	66 - 137	5.574	5.574667	-0.0007	+/-1.0	
4-Bromofluorobenzene	25.0	87	73 - 120	9.104	9.104	0.0000	+/-1.0	
Toluene-d8	25.0	105	71 - 126	7.007	7.007	0.0000	+/-1.0	
TRIP BLANK (RSB0148-03)			Lab File ID: T0208.D		Analyzed: 02/14/09 02:01			
1,2-Dichloroethane-d4	25.0	103	66 - 137	5.575	5.574667	0.0003	+/-1.0	
4-Bromofluorobenzene	25.0	87	73 - 120	9.104	9.104	0.0000	+/-1.0	
Toluene-d8	25.0	104	71 - 126	7.007	7.007	0.0000	+/-1.0	

Form 3

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY	Project:	LMC - Utica, NY - NY9A846342
Matrix:	Water	Spike standard:	9020568
Batch:	9B13079	Laboratory ID:	9B13079-BS1
Preparation:	5030B MS	Initial/Final:	5 mL / 5 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
1,1,1-Trichloroethane	25.0	23.2	93	78 - 124
1,1,2,2-Tetrachloroethane	25.0	28.2	113	70 - 126
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	23.6	94	60 - 140
1,1,2-Trichloroethane	25.0	26.2	105	76 - 122
1,1-Dichloroethane	25.0	24.1	96	78 - 120
1,1-Dichloroethene	25.0	23.9	96	73 - 143
1,2,4-Trichlorobenzene	25.0	23.2	93	70 - 122
1,2-Dibromo-3-chloropropane	25.0	23.1	92	65 - 126
1,2-Dibromoethane	25.0	24.9	100	80 - 115
1,2-Dichlorobenzene	25.0	24.3	97	79 - 114
1,2-Dichloroethane	25.0	24.0	96	77 - 122
1,2-Dichloropropane	25.0	25.9	104	80 - 117
1,3-Dichlorobenzene	25.0	23.9	95	77 - 120
1,4-Dichlorobenzene	25.0	24.1	96	77 - 114
2-Butanone	125	155	124	67 - 131
2-Hexanone	125	145	116	65 - 127
4-Methyl-2-pentanone	125	138	110	71 - 125
Acetone	125	152	122	65 - 128
Benzene	25.0	25.0	100	79 - 121
Bromodichloromethane	25.0	24.4	97	80 - 122
Bromoform	25.0	22.2	89	69 - 126
Bromomethane	25.0	29.0	116	46 - 148
Carbon disulfide	25.0	23.3	93	62 - 131
Carbon Tetrachloride	25.0	23.5	94	72 - 134
Chlorobenzene	25.0	24.0	96	79 - 118
Chloroethane	25.0	26.7	107	69 - 136
Chloroform	25.0	24.4	98	78 - 120
Chloromethane	25.0	20.3	81	62 - 126
cis-1,2-Dichloroethene	25.0	24.2	97	78 - 117

Form 3

LCS / LCS DUPLICATE RECOVERY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY	Project:	LMC - Utica, NY - NY9A846342
Matrix:	Water	Spike standard:	9020568
Batch:	9B13079	Laboratory ID:	9B13079-BS1
Preparation:	5030B MS	Initial/Final:	5 mL / 5 mL

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC. #	QC LIMITS REC.
cis-1,3-Dichloropropene	25.0	26.1	104	79 - 120
Cyclohexane	25.0	24.7	99	78 - 120
Dibromochloromethane	25.0	24.3	97	76 - 121
Dichlorodifluoromethane	25.0	15.9	63	45 - 146
Ethylbenzene	25.0	24.6	98	81 - 117
Isopropylbenzene	25.0	25.6	102	77 - 122
Methyl Acetate	25.0	32.2	129	60 - 140
Methylcyclohexane	25.0	25.1	100	77 - 120
Methylene Chloride	25.0	25.7	103	61 - 120
Methyl-t-Butyl Ether (MTBE)	25.0	27.0	108	75 - 129
Styrene	25.0	25.8	103	81 - 119
Tetrachloroethene	25.0	22.8	91	77 - 120
Toluene	25.0	25.0	100	77 - 119
trans-1,2-Dichloroethene	25.0	24.2	97	79 - 122
trans-1,3-Dichloropropene	25.0	24.9	100	77 - 119
Trichloroethene	25.0	24.2	97	80 - 121
Trichlorofluoromethane	25.0	23.3	93	63 - 136
Vinyl chloride	25.0	22.6	90	68 - 127
Xylenes, total	75.0	73.1	97	80 - 117

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Form 5

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY	Project:	LMC - Utica, NY - NY9A846342
Lab File ID:	T0073.D	Injection Date:	02/10/09
Instrument ID:	HP5975T	Injection Time:	22:01
Sequence:	RB91011	Lab Sample ID:	RB91011-TUN1
Calibration:	R9B1102		

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
173	Less than 2% of 174	0.17527	PASS
174	50 - 100% of 95	68.433	PASS
175	5 - 9% of 174	7.4902	PASS
176	95 - 101% of 174	100.92	PASS
177	5 - 9% of 176	6.3165	PASS
50	15 - 40% of 95	22.437	PASS
75	30 - 60% of 95	46.771	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.2539	PASS

INITIAL CALIBRATION STANDARDS

8260B

Laboratory:	TestAmerica Buffalo	SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY	Project:	LMC - Utica, NY - NY9A846342
Sequence:	RB91011	Instrument:	HP5975T
Calibration:	R9B1102		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
9011115	BFB Working Standard	RB91011-TUN1	T0073.D	02/10/09 22:01
9020987	T CAL1 MIX 1PPB	RB91011-CAL1	T0075.D	02/10/09 22:49
9020988	T CAL2 MIX 5PPB	RB91011-CAL2	T0076.D	02/10/09 23:13
9020990	T CAL3 MIX 10PPB	RB91011-CAL3	T0077.D	02/10/09 23:37
9020991	T CAL4 MIX 25PPB	RB91011-CAL4	T0078.D	02/11/09 00:01
9020992	T CAL5 MIX 50PPB	RB91011-CAL5	T0079.D	02/11/09 00:26
9020993	T CAL6 MIX 100PPB	RB91011-CAL6	T0080.D	02/11/09 00:50

Form 5

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY	Project:	LMC - Utica, NY - NY9A846342
Lab File ID:	T0073.D	Injection Date:	02/10/09
Instrument ID:	HP5975T	Injection Time:	22:01
Sequence:	RB91011	Lab Sample ID:	RB91011-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	22.437	PASS
75	30 - 60% of 95	46.771	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.2539	PASS
173	Less than 2% of 174	0.17527	PASS
174	50 - 100% of 95	68.433	PASS
175	5 - 9% of 174	7.4902	PASS
176	95 - 101% of 174	100.92	PASS
177	5 - 9% of 176	6.3165	PASS

ANALYSIS BATCH (SEQUENCE) SUMMARY

8260B

Laboratory:	TestAmerica Buffalo	SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY	Project:	LMC - Utica, NY - NY9A846342
Sequence:	RB91011	Instrument:	HP5975T
		Calibration:	R9B1102

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	RB91011-TUN1	T0073.D	02/10/09 22:01
Cal Standard	RB91011-CAL1	T0075.D	02/10/09 22:49
Cal Standard	RB91011-CAL2	T0076.D	02/10/09 23:13
Cal Standard	RB91011-CAL3	T0077.D	02/10/09 23:37
Cal Standard	RB91011-CAL4	T0078.D	02/11/09 00:01
Cal Standard	RB91011-CAL5	T0079.D	02/11/09 00:26
Cal Standard	RB91011-CAL6	T0080.D	02/11/09 00:50

Form 5

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY	Project:	LMC - Utica, NY - NY9A846342
Lab File ID:	T0190.D	Injection Date:	02/13/09
Instrument ID:	HP5975T	Injection Time:	18:14
Sequence:	RB91311	Lab Sample ID:	RB91311-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	27.349	PASS
75	30 - 60% of 95	50.18	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.991	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	60.486	PASS
175	5 - 9% of 174	8.0755	PASS
176	95 - 101% of 174	100.39	PASS
177	5 - 9% of 176	7.3188	PASS

ANALYSIS BATCH (SEQUENCE) SUMMARY

8260B

Laboratory: TestAmerica Buffalo

Client: ARCADIS U.S., Inc. - Albany, NY

Sequence: RB91311

SDG:

Project: LMC - Utica, NY - NY9A846342

Instrument: HP5975T

Calibration: R9B1102

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	RB91311-TUN1	T0190.D	02/13/09 18:14
Calibration Check	RB91311-CCV1	T0191.D	02/13/09 18:37
LCS	9B13079-BS1	T0193.D	02/13/09 19:33
Blank	9B13079-BLK1	T0195.D	02/13/09 20:22
MH-1	RSB0148-01	T0206.D	02/14/09 01:13
MH-2	RSB0148-02	T0207.D	02/14/09 01:37
TRIP BLANK	RSB0148-03	T0208.D	02/14/09 02:01

METHOD DETECTION AND REPORTING LIMITS

8260B

Laboratory: TestAmerica Buffalo **SDG:**

Client: ARCADIS U.S., Inc. - Albany, NY **Project:** LMC - Utica, NY - NY9A846342

Matrix: Water **Instrument:** HP5975T

Analyte	MDL	MRL	Units
1,1,1-Trichloroethane	0.2650	1.0000	ug/L
1,1,2,2-Tetrachloroethane	0.2130	1.0000	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane	0.3090	1.0000	ug/L
1,1,2-Trichloroethane	0.2310	1.0000	ug/L
1,1-Dichloroethane	0.7500	1.0000	ug/L
1,1-Dichloroethene	0.2932	1.0000	ug/L
1,2,4-Trichlorobenzene	0.4077	1.0000	ug/L
1,2-Dibromo-3-chloropropane	1.0000	1.0000	ug/L
1,2-Dibromoethane	0.1660	1.0000	ug/L
1,2-Dichlorobenzene	0.2030	1.0000	ug/L
1,2-Dichloroethane	0.2140	1.0000	ug/L
1,2-Dichloropropane	0.1440	1.0000	ug/L
1,3-Dichlorobenzene	0.1650	1.0000	ug/L
1,4-Dichlorobenzene	0.1620	1.0000	ug/L
2-Butanone	1.3180	5.0000	ug/L
2-Hexanone	1.2410	5.0000	ug/L
4-Bromofluorobenzene	0.0000	0.0000	ug/L
4-Methyl-2-pentanone	0.9090	5.0000	ug/L
Acetone	1.3450	5.0000	ug/L
Benzene	0.1640	1.0000	ug/L
Bromodichloromethane	0.3857	1.0000	ug/L
Bromoform	0.2574	1.0000	ug/L
Bromomethane	0.2816	1.0000	ug/L
Carbon disulfide	0.1940	1.0000	ug/L
Carbon Tetrachloride	0.2665	1.0000	ug/L
Chlorobenzene	0.3174	1.0000	ug/L
Chloroethane	0.3237	1.0000	ug/L
Chloroform	0.3357	1.0000	ug/L
Chloromethane	0.3457	1.0000	ug/L
cis-1,2-Dichloroethene	0.1620	1.0000	ug/L
cis-1,3-Dichloropropene	0.3552	1.0000	ug/L
Cyclohexane	0.5340	1.0000	ug/L
Dibromochloromethane	0.3225	1.0000	ug/L
Dichlorodifluoromethane	0.2854	1.0000	ug/L
Ethylbenzene	0.1840	1.0000	ug/L
Isopropylbenzene	0.1930	1.0000	ug/L
Methyl Acetate	0.1710	1.0000	ug/L

METHOD DETECTION AND REPORTING LIMITS

8260B

Laboratory: TestAmerica Buffalo **SDG:**

Client: ARCADIS U.S., Inc. - Albany, NY **Project:** LMC - Utica, NY - NY9A846342

Matrix: Water **Instrument:** HP5975T

Analyte	MDL	MRL	Units
Methylcyclohexane	0.4950	1.0000	ug/L
Methylene Chloride	0.4385	1.0000	ug/L
Methyl-t-Butyl Ether (MTBE)	0.1610	1.0000	ug/L
Styrene	0.1850	1.0000	ug/L
Tetrachloroethene	0.3649	1.0000	ug/L
Toluene	0.5100	1.0000	ug/L
trans-1,2-Dichloroethene	0.1260	1.0000	ug/L
trans-1,3-Dichloropropene	0.3684	1.0000	ug/L
Trichloroethene	0.1750	1.0000	ug/L
Trichlorofluoromethane	0.1520	1.0000	ug/L
Vinyl chloride	0.2426	1.0000	ug/L
Xylenes, total	0.6580	2.0000	ug/L

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

MH-1

Laboratory: TestAmerica Buffalo SDG:

Client: ARCADIS U.S., Inc. - Albany, NY Project: LMC - Utica, NY - NY9A846342

Matrix: Water Laboratory ID: RSB0148-01 File ID: T0206.D

Sampled: 02/04/09 11:00 Prepared: 02/13/09 18:00 Analyzed: 02/14/09 01:13

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 9B13079 Sequence: RB91311 Calibration: R9B1102 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	24	
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	8.4	
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	U
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	5.0	U
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	U
74-83-9	Bromomethane	1	1.0	U
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	1.0	U
75-00-3	Chloroethane	1	0.70	J
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	39	
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.5	
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

MH-1

Laboratory: TestAmerica Buffalo SDG:

Client: ARCADIS U.S., Inc. - Albany, NY Project: LMC - Utica, NY - NY9A846342

Matrix: Water Laboratory ID: RSB0148-01 File ID: T0206.D

Sampled: 02/04/09 11:00 Prepared: 02/13/09 18:00 Analyzed: 02/14/09 01:13

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 9B13079 Sequence: RB91311 Calibration: R9B1102 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	31	
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	64	
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	0.50	J
1330-20-7	Xylenes, total	1	3.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	26.2	105	66 - 137	
4-Bromofluorobenzene	25.0	22.2	89	73 - 120	
Toluene-d8	25.0	26.1	104	71 - 126	

* Values outside of QC limits

PDFFileStart PDFFileEnd

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

MH-2

Laboratory: TestAmerica Buffalo SDG:

Client: ARCADIS U.S., Inc. - Albany, NY Project: LMC - Utica, NY - NY9A846342

Matrix: Water Laboratory ID: RSB0148-02 File ID: T0207.D

Sampled: 02/04/09 15:45 Prepared: 02/13/09 18:00 Analyzed: 02/14/09 01:37

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 9B13079 Sequence: RB91311 Calibration: R9B1102 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	1.6	
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	U
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	5.0	U
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	U
74-83-9	Bromomethane	1	1.0	U
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	1.0	U
75-00-3	Chloroethane	1	1.0	U
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	10	
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

MH-2

Laboratory:	TestAmerica Buffalo			SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY			Project:	LMC - Utica, NY - NY9A846342
Matrix:	Water	Laboratory ID:	RSB0148-02	File ID:	T0207.D
Sampled:	02/04/09 15:45	Prepared:	02/13/09 18:00	Analyzed:	02/14/09 01:37
Solids:		Preparation:	5030B MS	Initial/Final:	5 mL / 5 mL
Batch:	9B13079	Sequence:	RB91311	Calibration:	R9B1102 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	3.8	
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	0.22	J
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	6.7	
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	1.0	J
1330-20-7	Xylenes, total	1	3.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	26.0	104	66 - 137	
4-Bromofluorobenzene	25.0	21.8	87	73 - 120	
Toluene-d8	25.0	26.1	105	71 - 126	

* Values outside of QC limits

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

TRIP BLANK

Laboratory: TestAmerica Buffalo SDG:

Client: ARCADIS U.S., Inc. - Albany, NY Project: LMC - Utica, NY - NY9A846342

Matrix: Water Laboratory ID: RSB0148-03 File ID: T0208.D

Sampled: 02/04/09 00:00 Prepared: 02/13/09 18:00 Analyzed: 02/14/09 02:01

Solids: Preparation: 5030B MS Initial/Final: 5 mL / 5 mL

Batch: 9B13079 Sequence: RB91311 Calibration: R9B1102 Instrument: HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
71-55-6	1,1,1-Trichloroethane	1	1.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	1.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1	1.0	U
79-00-5	1,1,2-Trichloroethane	1	1.0	U
75-34-3	1,1-Dichloroethane	1	1.0	U
75-35-4	1,1-Dichloroethene	1	1.0	U
120-82-1	1,2,4-Trichlorobenzene	1	1.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	1.0	U
106-93-4	1,2-Dibromoethane	1	1.0	U
95-50-1	1,2-Dichlorobenzene	1	1.0	U
107-06-2	1,2-Dichloroethane	1	1.0	U
78-87-5	1,2-Dichloropropane	1	1.0	U
541-73-1	1,3-Dichlorobenzene	1	1.0	U
106-46-7	1,4-Dichlorobenzene	1	1.0	U
78-93-3	2-Butanone	1	5.0	U
591-78-6	2-Hexanone	1	5.0	U
108-10-1	4-Methyl-2-pentanone	1	5.0	U
67-64-1	Acetone	1	5.0	U
71-43-2	Benzene	1	1.0	U
75-27-4	Bromodichloromethane	1	1.0	U
75-25-2	Bromoform	1	1.0	U
74-83-9	Bromomethane	1	1.0	U
75-15-0	Carbon disulfide	1	1.0	U
56-23-5	Carbon Tetrachloride	1	1.0	U
108-90-7	Chlorobenzene	1	1.0	U
75-00-3	Chloroethane	1	1.0	U
67-66-3	Chloroform	1	1.0	U
74-87-3	Chloromethane	1	1.0	U
156-59-2	cis-1,2-Dichloroethene	1	1.0	U
10061-01-5	cis-1,3-Dichloropropene	1	1.0	U
110-82-7	Cyclohexane	1	1.0	U
124-48-1	Dibromochloromethane	1	1.0	U
75-71-8	Dichlorodifluoromethane	1	1.0	U
100-41-4	Ethylbenzene	1	1.0	U
98-82-8	Isopropylbenzene	1	1.0	U
79-20-9	Methyl Acetate	1	1.0	U
108-87-2	Methylcyclohexane	1	1.0	U
75-09-2	Methylene Chloride	1	1.0	U

Form 1

ORGANIC ANALYSIS DATA SHEET

8260B

TRIP BLANK

Laboratory:	TestAmerica Buffalo		SDG:		
Client:	ARCADIS U.S., Inc. - Albany, NY		Project:	LMC - Utica, NY - NY9A846342	
Matrix:	Water	Laboratory ID:	RSB0148-03	File ID:	T0208.D
Sampled:	02/04/09 00:00	Prepared:	02/13/09 18:00	Analyzed:	02/14/09 02:01
Solids:		Preparation:	5030B MS	Initial/Final:	5 mL / 5 mL
Batch:	9B13079	Sequence:	RB91311	Calibration:	R9B1102	Instrument:	HP5975T

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	1.0	U
100-42-5	Styrene	1	1.0	U
127-18-4	Tetrachloroethene	1	1.0	U
108-88-3	Toluene	1	1.0	U
156-60-5	trans-1,2-Dichloroethene	1	1.0	U
10061-02-6	trans-1,3-Dichloropropene	1	1.0	U
79-01-6	Trichloroethene	1	1.0	U
75-69-4	Trichlorofluoromethane	1	1.0	U
75-01-4	Vinyl chloride	1	1.0	U
1330-20-7	Xylenes, total	1	3.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,2-Dichloroethane-d4	25.0	25.8	103	66 - 137	
4-Bromofluorobenzene	25.0	21.8	87	73 - 120	
Toluene-d8	25.0	26.1	104	71 - 126	

* Values outside of QC limits

Form 6

INITIAL CALIBRATION DATA

8260B

Laboratory: TestAmerica Buffalo

Client: ARCADIS U.S., Inc. - Albany, NY

Calibration: R9B1102

SDG:

Project: LMC - Utica, NY - NY9A846342

Instrument: HP5975T

Calibration Date: 02/11/09 09:32

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1-Trichloroethane	1	0.5215903	5	0.4877933	10	0.4610165	25	0.4887548	50	0.475277	100	0.4802296
1,1,2,2-Tetrachloroethane	1	0.9615413	5	0.9394402	10	0.9358056	25	0.9965272	50	0.994068	100	1.002246
1,1,2-Trichloro-1,2,2-trifluoroethan	1	0.3229172	5	0.2989584	10	0.2798445	25	0.3016943	50	0.2807016	100	0.2803103
1,1,2-Trichloroethane	1	0.5162009	5	0.4920465	10	0.4924453	25	0.5127423	50	0.4936101	100	0.4861312
1,1-Dichloroethane	1	0.8270675	5	0.7701582	10	0.7337375	25	0.7645797	50	0.7457767	100	0.7500466
1,1-Dichloroethene	1	0.3369557	5	0.3031396	10	0.2886624	25	0.3015524	50	0.290887	100	0.2879327
1,2,4-Trichlorobenzene	1	1.113306	5	1.037046	10	0.9784282	25	1.039844	50	1.021712	100	1.022822
1,2-Dibromo-3-chloropropane	1	0.2571513	5	0.1799865	10	0.160887	25	0.1733515	50	0.1784748	100	0.1825239
1,2-Dibromoethane	1	0.6040782	5	0.5520886	10	0.5511144	25	0.582145	50	0.5578636	100	0.56105
1,2-Dichlorobenzene	1	1.682044	5	1.52769	10	1.464761	25	1.536344	50	1.530678	100	1.516223
1,2-Dichloroethane	1	0.6369907	5	0.6087354	10	0.5794666	25	0.6091758	50	0.5891228	100	0.5838249
1,2-Dichloroethane-d4	1.25	0.3877356	6.25	0.3509702	12.5	0.3446294	31.2	0.3619193	62.5	0.3529855	125	0.34476
1,2-Dichloropropane	1	0.4547062	5	0.4257129	10	0.4184848	25	0.4379844	50	0.4258771	100	0.4317117
1,3-Dichlorobenzene	1	1.774076	5	1.655067	10	1.548807	25	1.6447	50	1.608804	100	1.589641
1,4-Dichlorobenzene	1	1.773785	5	1.662882	10	1.569191	25	1.657449	50	1.617748	100	1.601866
2-Butanone	5	0.1731192	25	0.1832475	50	0.1782705	125	0.1963096	250	0.1872984	500	0.191484
2-Hexanone	5	0.5100901	25	0.4874159	50	0.504534	125	0.5411133	250	0.496362	500	0.5143215
4-Bromofluorobenzene	1.25	0.5027527	6.25	0.4520115	12.5	0.4513835	31.2	0.4784383	62.5	0.4620196	125	0.4411102
4-Methyl-2-pentanone	5	0.7979359	25	0.7652428	50	0.7685134	125	0.8217442	250	0.7735409	500	0.7899097
Acetone	5	0.1237741	25	0.1133072	50	0.1000655	125	0.1120398	250	0.105067	500	0.1036992
Benzene	1	1.691643	5	1.500386	10	1.429655	25	1.497406	50	1.453642	100	1.460572
Bromodichloromethane	1	0.4645085	5	0.4233817	10	0.4187863	25	0.4523687	50	0.449239	100	0.4557447
Bromoform	1	0.3065104	5	0.3028281	10	0.3157296	25	0.3564444	50	0.3580474	100	0.3647832
Bromomethane	1	0.2743389	5	0.1898411	10	0.1657351	25	0.1618744	50	0.1496057	100	0.1465784
Carbon disulfide	1	1.223579	5	1.131734	10	1.090471	25	1.130814	50	1.067974	100	1.074488
Carbon Tetrachloride	1	0.4106426	5	0.3810385	10	0.3650506	25	0.4011449	50	0.3918811	100	0.4001515
Chlorobenzene	1	1.798248	5	1.684793	10	1.63446	25	1.694574	50	1.626068	100	1.620716
Chloroethane	1	0.2759159	5	0.2389655	10	0.2241383	25	0.2290616	50	0.2122147	100	0.208753
Chloroform	1	0.6788899	5	0.6125416	10	0.589081	25	0.6267018	50	0.6090245	100	0.6065268
Chloromethane	1	0.5712199	5	0.5346364	10	0.5033926	25	0.514623	50	0.4950688	100	0.5090253

Form 6

INITIAL CALIBRATION DATA

8260B

Laboratory: TestAmerica Buffalo

Client: ARCADIS U.S., Inc. - Albany, NY

Calibration: R9B1102

SDG:

Project: LMC - Utica, NY - NY9A846342

Instrument: HP5975T

Calibration Date: 02/11/09 09:32

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
cis-1,2-Dichloroethene	1	0.4284845	5	0.3922759	10	0.3752932	25	0.3849755	50	0.3771255	100	0.3718172
cis-1,3-Dichloropropene	1	0.5783319	5	0.5017744	10	0.5567412	25	0.6034665	50	0.6006509	100	0.6087158
Cyclohexane	1	0.8279333	5	0.7821705	10	0.7566628	25	0.7945957	50	0.7338195	100	0.7579457
Dibromochloromethane	1	0.4967681	5	0.4994359	10	0.4991189	25	0.5477553	50	0.5391417	100	0.5547442
Dichlorodifluoromethane	1	0.3082602	5	0.3073958	10	0.2865174	25	0.3189101	50	0.3004664	100	0.3078333
Ethylbenzene	1	3.255591	5	3.004677	10	2.961447	25	3.048777	50	2.979378	100	3.011826
Isopropylbenzene	1	3.684674	5	2.866062	10	3.362636	25	3.484445	50	3.445282	100	3.54131
Methyl Acetate	1	0.4068392	5	0.396507	10	0.3806525	25	0.4003221	50	0.3833454	100	0.3843079
Methylcyclohexane	1	0.700999	5	0.6743157	10	0.6360295	25	0.6774596	50	0.6217424	100	0.6410573
Methylene Chloride	1	0.641227	5	0.416913	10	0.3847838	25	0.3765115	50	0.3598171	100	0.3512343
Methyl-t-Butyl Ether (MTBE)	1	1.027967	5	0.942337	10	0.8995836	25	0.9683359	50	0.9302226	100	0.9615174
Styrene	1	1.651785	5	1.630449	10	1.620017	25	1.759733	50	1.724246	100	1.739446
Tetrachloroethene	1	0.6468418	5	0.5808588	10	0.5618005	25	0.591678	50	0.5636065	100	0.5579187
Toluene	1	1.649607	5	1.559381	10	1.537839	25	1.592042	50	1.528302	100	1.536994
Toluene-d8	1.25	1.802673	6.25	1.687211	12.5	1.66639	31.2	1.820201	62.5	1.734089	125	1.696192
trans-1,2-Dichloroethene	1	0.3826892	5	0.3031396	10	0.3407576	25	0.3559581	50	0.3459057	100	0.3457731
trans-1,3-Dichloropropene	1	0.9769123	5	1.062041	10	0.941319	25	1.025181	50	1.01297	100	1.031257
Trichloroethene	1	0.3831221	5	0.3707262	10	0.3455394	25	0.3685286	50	0.3566528	100	0.3544502
Trichlorofluoromethane	1	0.4805569	5	0.4314628	10	0.403654	25	0.440189	50	0.4051754	100	0.4101179
Vinyl chloride	1	0.5576143	5	0.4859246	10	0.4521097	25	0.4728128	50	0.4399002	100	0.4326935
Xylenes, total	3	1.149992	15	1.111308	30	1.096587	75	1.145865	150	1.101181	300	1.109771

Form 6

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: TestAmerica Buffalo

Client: ARCADIS U.S., Inc. - Albany, NY

Calibration: R9B1102

SDG:

Project: LMC - Utica, NY - NY9A846342

Instrument: HP5975T

Calibration Date: 02/11/09 09:32

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,1-Trichloroethane	0.4857769	4.167879	5.299	4.651379E-02			20	
1,1,2,2-Tetrachloroethane	0.9716047	3.081485	9.227	2.308918E-02			SPCC (0.3)	
1,1,2-Trichloro-1,2,2-trifluoroethane	0.294071	5.859597	3.329	0.0938701			20	
1,1,2-Trichloroethane	0.4988627	2.488516	7.397	5.046963E-03			20	
1,1-Dichloroethane	0.7652277	4.314175	4.44	5.409218E-02			SPCC (0.1)	
1,1-Dichloroethene	0.3015216	6.153542	3.342	7.444117E-02			CCC (30)	
1,2,4-Trichlorobenzene	1.035526	4.249704	11.739	1.274413E-02			20	
1,2-Dibromo-3-chloropropane	0.1887292	18.22185	11.086	7.792404E-03	0.99981		0.995	
1,2-Dibromoethane	0.5680566	3.685112	7.822	3.754254E-02			20	
1,2-Dichlorobenzene	1.542957	4.727329	10.415	1.769671E-02			20	
1,2-Dichloroethane	0.6012194	3.583949	5.633334	5.882477E-02			20	
1,2-Dichloroethane-d4	0.3571667	4.556098	5.574667	1.852302E-02			20	
1,2-Dichloropropane	0.4324129	2.943682	6.276	9.91897E-03			CCC (30)	
1,3-Dichlorobenzene	1.636849	4.731547	10.013	1.788812E-02			20	
1,4-Dichlorobenzene	1.647153	4.32565	10.087	1.708127E-02			20	
2-Butanone	0.1849549	4.617797	4.942667	6.804353E-02			20	
2-Hexanone	0.5089728	3.629495	7.552	4.038547E-02			20	
4-Bromofluorobenzene	0.4646193	4.84978	9.104	1.888156E-02			20	
4-Methyl-2-pentanone	0.7861478	2.744252	6.912	4.229655E-02			20	
Acetone	0.1096588	7.811225	3.445	8.995898E-02			20	
Benzene	1.505551	6.315292	5.599	5.687951E-03			20	
Bromodichloromethane	0.4440048	4.173467	6.489	2.097469E-02			20	
Bromoform	0.3340572	8.562448	8.88	0.0350283			SPCC (0.1)	
Bromomethane	0.1813289	26.51592	2.392	1.734786E-02	0.99983		0.995	
Carbon disulfide	1.119843	5.150438	3.557	7.612977E-03			20	
Carbon Tetrachloride	0.3916515	4.185097	5.427	4.713054E-02			20	
Chlorobenzene	1.676476	4.013847	8.184	2.412055E-02			SPCC (0.3)	
Chloroethane	0.2315082	10.5417	2.514	5.881493E-03			20	
Chloroform	0.6204609	5.006826	5.178	5.544254E-03			CCC (30)	
Chloromethane	0.5213277	5.339192	1.852	0.1674865			SPCC (0.1)	
cis-1,2-Dichloroethene	0.3883286	5.410707	4.922	0.0146185			20	

Form 6

INITIAL CALIBRATION DATA (Continued)

8260B

Laboratory: TestAmerica Buffalo
SDG:
Client: ARCADIS U.S., Inc. - Albany, NY
Project: LMC - Utica, NY - NY9A846342
Calibration: R9B1102
Instrument: HP5975T
Calibration Date: 02/11/09 09:32

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
cis-1,3-Dichloropropene	0.5749468	7.091346	6.889167	2.530425			20	
Cyclohexane	0.7755212	4.299367	5.323666	4.346921E-02			20	
Dibromochloromethane	0.5228273	5.199225	7.7205	0.0136908			20	
Dichlorodifluoromethane	0.3048972	3.532377	1.636	0.0203973			20	
Ethylbenzene	3.043616	3.549773	8.235833	4.416556E-02			CCC (30)	
Isopropylbenzene	3.397402	8.290169	9.019166	2.150058			20	
Methyl Acetate	0.3919957	2.73001	3.739667	1.834169E-02			20	
Methylcyclohexane	0.6586006	4.593421	6.2035	4.472798E-02			20	
Methylene Chloride	0.4217478	26.06355	3.837	1.644102E-02	0.99992		0.995	
Methyl-t-Butyl Ether (MTBE)	0.9549939	4.537755	4.0545	8.527745E-02			20	
Styrene	1.687613	3.589756	8.671666	8.315862E-03			20	
Tetrachloroethene	0.5837841	5.736022	7.487	3.812438E-02			20	
Toluene	1.567361	2.959283	7.061	3.584803E-02			CCC (30)	
Toluene-d8	1.734459	3.676852	7.007	1.202355E-02			20	
trans-1,2-Dichloroethene	0.3457039	7.44179	3.942	7.444414			20	
trans-1,3-Dichloropropene	1.00828	4.252824	7.173833	2.430027			20	
Trichloroethene	0.3631699	3.721294	6.087	1.419373E-02			20	
Trichlorofluoromethane	0.428526	6.886698	2.7885	0.1479242			20	
Vinyl chloride	0.4735092	9.669471	1.99	0.2695521			CCC (30)	
Xylenes, total	1.119117	2.055729	8.654	0.0225117			20	

Form 7

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY	Project:	LMC - Utica, NY - NY9A846342
Instrument ID:	HP5975T	Calibration:	R9B1102
Lab File ID:	T0191.D	Calibration Date:	02/11/09 09:32
Sequence:	RB91311	Injection Date:	02/13/09
Lab Sample ID:	RB91311-CCV1	Injection Time:	18:37

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1-Trichloroethane	A	25.0	23.4	0.4857769	0.4541929		-6.5	
1,1,2,2-Tetrachloroethane	A	25.0	27.0	0.9716047	1.048998	0.3	8.0	
1,1,2-Trichloro-1,2,2-trifluoroethane	A	25.0	24.6	0.294071	0.2898073		-1.4	
1,1,2-Trichloroethane	A	25.0	25.8	0.4988627	0.5154865		3.3	
1,1-Dichloroethane	A	25.0	25.1	0.7652277	0.767326	0.1	0.3	
1,1-Dichloroethene	A	25.0	24.9	0.3015216	0.3001275		-0.5	
1,2,4-Trichlorobenzene	A	25.0	23.8	1.035526	0.986077		-4.8	
1,2-Dibromo-3-chloropropane	L	25.0	23.6	0.1887292	0.1685439		-5.5	
1,2-Dibromoethane	A	25.0	24.3	0.5680566	0.5522747		-2.8	
1,2-Dichlorobenzene	A	25.0	24.7	1.542957	1.525061		-1.2	
1,2-Dichloroethane	A	25.0	24.6	0.6012194	0.5903937		-1.8	
1,2-Dichloroethane-d4	A	25.0	24.8	0.3571667	0.4428517		24.0	20 *
1,2-Dichloropropane	A	25.0	26.0	0.4324129	0.4491645		3.9	
1,3-Dichlorobenzene	A	25.0	24.1	1.636849	1.57605		-3.7	
1,4-Dichlorobenzene	A	25.0	24.2	1.647153	1.594234		-3.2	
2-Butanone	A	125	151	0.1849549	0.2229823		20.6	
2-Hexanone	A	125	139	0.5089728	0.5643136		10.9	
4-Bromofluorobenzene	A	25.0	23.1	0.4646193	0.5360273		15.4	20
4-Methyl-2-pentanone	A	125	135	0.7861478	0.8484733		7.9	
Acetone	A	125	152	0.1096588	0.1334774		21.7	
Benzene	A	25.0	25.2	1.505551	1.519674		0.9	
Bromodichloromethane	A	25.0	24.2	0.4440048	0.4303219		-3.1	
Bromoform	A	25.0	22.1	0.3340572	0.2953984	0.1	-11.6	
Bromomethane	L	25.0	30.6	0.1813289	0.1867259		22.5	
Carbon disulfide	A	25.0	23.6	1.119843	1.057861		-5.5	
Carbon Tetrachloride	A	25.0	23.7	0.3916515	0.3715864		-5.1	
Chlorobenzene	A	25.0	24.4	1.676476	1.6345	0.3	-2.5	
Chloroethane	A	25.0	28.9	0.2315082	0.2677453		15.7	

Form 7

CONTINUING CALIBRATION CHECK

8260B

Laboratory:	TestAmerica Buffalo	SDG:	
Client:	ARCADIS U.S., Inc. - Albany, NY	Project:	LMC - Utica, NY - NY9A846342
Instrument ID:	HP5975T	Calibration:	R9B1102
Lab File ID:	T0191.D	Calibration Date:	02/11/09 09:32
Sequence:	RB91311	Injection Date:	02/13/09
Lab Sample ID:	RB91311-CCV1	Injection Time:	18:37

COMPOUND	TYPE	CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Chloroform	A	25.0	24.5	0.6204609	0.6074742		-2.1	
Chloromethane	A	25.0	23.2	0.5213277	0.4833219	0.1	-7.3	
cis-1,2-Dichloroethene	A	25.0	24.4	0.3883286	0.3793717		-2.3	
cis-1,3-Dichloropropene	A	25.0	25.1	0.5749468	0.5886674		2.4	
Cyclohexane	A	25.0	24.9	0.7755212	0.7732665		-0.3	
Dibromochloromethane	A	25.0	24.0	0.5228273	0.5027804		-3.8	
Dichlorodifluoromethane	A	25.0	20.9	0.3048972	0.2552325		-16.3	
Ethylbenzene	A	25.0	24.3	3.043616	2.954841		-2.9	
Isopropylbenzene	A	25.0	24.9	3.397402	3.476612		2.3	
Methyl Acetate	A	25.0	31.2	0.3919957	0.4894861		24.9	
Methylcyclohexane	A	25.0	25.3	0.6586006	0.6658957		1.1	
Methylene Chloride	L	25.0	26.7	0.4217478	0.3891315		6.8	
Methyl-t-Butyl Ether (MTBE)	A	25.0	26.5	0.9549939	1.011813		5.9	
Styrene	A	25.0	23.9	1.687613	1.611494		-4.5	
Tetrachloroethene	A	25.0	22.8	0.5837841	0.5322841		-8.8	
Toluene	A	25.0	25.5	1.567361	1.601368		2.2	
Toluene-d8	A	25.0	26.3	1.734459	2.282654		31.6*	20 *
trans-1,2-Dichloroethene	A	25.0	24.7	0.3457039	0.351482		1.7	
trans-1,3-Dichloropropene	A	25.0	24.6	1.00828	0.9699497		-3.8	
Trichloroethene	A	25.0	24.6	0.3631699	0.3573605		-1.6	
Trichlorofluoromethane	A	25.0	27.9	0.428526	0.4785943		11.7	
Vinyl chloride	A	25.0	25.5	0.4735092	0.483288		2.1	
Xylenes, total	A	75.0	73.9	1.119117	1.103204		-1.4	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

HOLDING TIME SUMMARY

8260B

Laboratory: TestAmerica Buffalo SDG:

Client: ARCADIS U.S., Inc. - Albany, NY Project: LMC - Utica, NY - NY9A846342

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
MH-1	02/04/09 11:00	02/05/09 08:30	02/13/09 18:00	9.29	14.00	02/14/09 01:13	9.59	14.00	
MH-2	02/04/09 15:45	02/05/09 08:30	02/13/09 18:00	9.09	14.00	02/14/09 01:37	9.41	14.00	
TRIP BLANK	02/04/09 00:00	02/05/09 08:30	02/13/09 18:00	9.75	14.00	02/14/09 02:01	10.08	14.00	

Supporting Documentation

RSB0148

Supporting Documentation

RSB0148

Supporting Documentation

RSB0148

Quantitation Report (Not Reviewed)

Data Path : H:\GCMS_VOA\T\021309\
Data File : T0206.D
Acq On : 14 Feb 2009 1:13 am
Operator : CDC
Sample : RSB0148-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 16 08:55:32 2009
Quant Method : C:\msdchem\1\METHODS\8260WATER\R9B1102_8260.M
Quant Title : 8260 Waters Eclipse
QLast Update : Mon Feb 16 05:55:51 2009
Response via : Initial Calibration

SAE 2/17/09

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Difluorobenzene	5.879	114	426896	25.00 ug/L	0.00
43) Chlorobenzene-D5	8.159	82	230170	25.00 ug/L	# 0.00
63) 1,4-Dichlorobenzene-D4	10.067	152	166310	25.00 ug/L	0.00
System Monitoring Compounds					
27) Dibromofluoromethane	5.312	111	131786	24.78 ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 99.12%		
32) 1,2-Dichloroethane-D4	5.574	65	199986	26.24 ug/L	0.00
Spiked Amount 25.000	Range 64 - 126		Recovery = 104.96%		
44) Toluene-D8	7.007	98	521041	26.11 ug/L	0.00
Spiked Amount 25.000	Range 71 - 125		Recovery = 104.44%		
62) p-Bromofluorobenzene	9.104	174	118786	22.22 ug/L	0.00
Spiked Amount 25.000	Range 72 - 126		Recovery = 88.88%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.600	85	7924	1.52 ug/L	97
3) Chloromethane	1.886	50	207	N.D.	
4) Vinyl chloride	1.984	62	4045	0.50 ug/L	99
5) Bromomethane	2.392	94	607	Below Cal #	8
6) Chloroethane	2.520	64	2751	0.70 ug/L	99
7) Trichlorofluoromethane	0.000		0	N.D.	
8) 1,1,2-Trichloro-1,2,2-...	3.331	101	121020	24.10 ug/L	86
9) 1,1-Dichloroethene	3.343	96	790	N.D.	
10) Methylene chloride	3.837	84	1949	Below Cal #	67
11) Carbon disulfide	0.000		0	N.D.	
12) Acrolein	3.313	56	95	N.D.	
13) Acrylonitrile	0.000		0	N.D.	
14) Acetone	3.447	43	1406	0.75 ug/L	81
~~15) Acetonitrile~~	~~3.733~~	~~41~~	~~237~~	~~0.31 ug/L~~	100
16) Iodomethane	0.000		0	N.D.	
17) Methyl Acetate	3.727	43	494	N.D.	
18) T-butyl Methyl Ether	4.063	73	2268	N.D.	
19) trans-1,2-Dichloroethene	4.063	96	1110	N.D.	
20) 1,1-Dichloroethane	4.441	63	110266	8.44 ug/L	94
21) Vinyl Acetate	4.453	43	166	N.D.	
22) 2,2-Dichloropropane	4.861	77	82	N.D.	
23) cis-1,2-Dichloroethene	4.922	96	256968	38.75 ug/L	83
24) Tetrahydrofuran	5.154	42	86	N.D.	
25) Bromochloromethane	0.000		0	N.D.	
26) Chloroform	5.184	83	2446	0.23 ug/L	90
28) Cyclohexane	0.000		0	N.D.	
29) 1,1,1-Trichloroethane	5.300	97	593	N.D.	
30) Carbon tetrachloride	0.000		0	N.D.	
31) 1,1-Dichloropropene	0.000		0	N.D.	
33) Benzene	5.587	78	500	N.D.	
34) 1,2-Dichloroethane	0.000		0	N.D.	
~~35) 2-Butanone~~	~~4.953~~	~~43~~	~~1136~~	~~0.36 ug/L~~	46
36) Trichloroethene	6.087	95	396938	64.01 ug/L	90
37) 2-Chloroethylvinyl Ether	0.000		0	N.D.	
~~38) Methylcyclohexane~~	~~6.087~~	~~83~~	~~4476~~	~~0.40 ug/L #~~	1
39) 1,2-Dichloropropane	0.000		0	N.D.	
40) Dibromomethane	0.000		0	N.D.	
41) Bromodichloromethane	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : H:\GCMS_VOA\T\021309\
Data File : T0206.D
Acq On : 14 Feb 2009 1:13 am
Operator : CDC
Sample : RSB0148-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 16 08:55:32 2009
Quant Method : C:\msdchem\1\METHODS\8260WATER\R9B1102_8260.M
Quant Title : 8260 Waters Eclipse
QLast Update : Mon Feb 16 05:55:51 2009
Response via : Initial Calibration

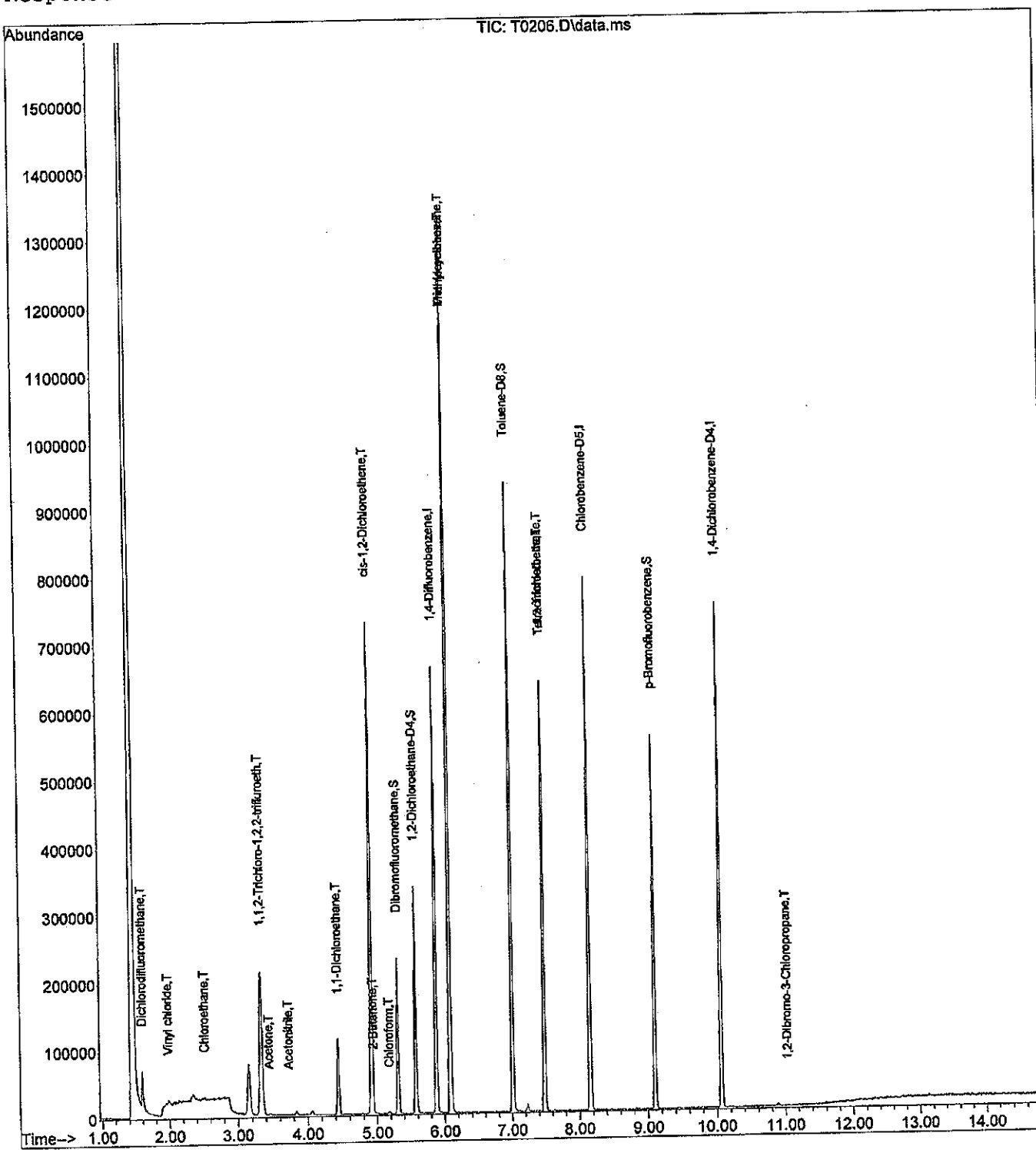
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) cis-1,3-Dichloropropene	0.000		0	N.D.	
45) Toluene	7.050	92	329	N.D.	
46) trans-1,3-Dichloropropene	0.000		0	N.D.	
47) Ethyl Methacrylate	0.000		0	N.D.	
48) 1,1,2-Trichloroethane	7.483	83	4041	0.88 ug/L #	31
49) 4-Methyl-2-pentanone	6.910	43	116	N.D.	
50) Tetrachloroethene	7.483	166	164165	30.54 ug/L	87
51) 1,3-Dichloropropane	0.000		0	N.D.	
52) Dibromochloromethane	0.000		0	N.D.	
53) 1,2-Dibromoethane	0.000		0	N.D.	
54) 2-Hexanone	7.537	43	86	N.D.	
55) Chlorobenzene	8.184	112	96	N.D.	
56) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.	
57) Ethylbenzene	8.165	91	831	N.D.	
58) m,p-Xylene	0.000		0	N.D.	
59) o-Xylene	0.000		0	N.D.	
60) Styrene	0.000		0	N.D.	
61) Bromoform	0.000		0	N.D.	
64) Isopropylbenzene	0.000		0	N.D.	
65) Bromobenzene	0.000		0	N.D.	
66) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	
67) 1,2,3-Trichloropropane	0.000		0	N.D.	
68) t-1,4-Dichloro-2-Butene	0.000		0	N.D.	
69) n-Propylbenzene	9.110	91	501	N.D.	
70) 2-Chlorotoluene (o)	0.000		0	N.D.	
71) 4-Chlorotoluene (p)	0.000		0	N.D.	
72) 1,3,5-Trimethylbenzene	0.000		0	N.D.	
73) tert-Butylbenzene	0.000		0	N.D.	
74) 1,2,4-Trimethylbenzene	0.000		0	N.D.	
75) sec-Butylbenzene	0.000		0	N.D.	
76) 1,3-Dichlorobenzene	0.000		0	N.D.	
77) p-Cymene (4-Isopropylt...	0.000		0	N.D.	
78) 1,4-Dichlorobenzene	0.000		0	N.D.	
79) 1,2-Dichlorobenzene	0.000		0	N.D.	
80) n-Butylbenzene	0.000		0	N.D.	
81) 1,2-Dibromo-3-Chloropr...	11.031	75	114	0.64 ug/L #	1
82) 1,2,4-Trichlorobenzene	0.000		0	N.D.	
83) Hexachlorobutadiene	0.000		0	N.D.	
84) Naphthalene	0.000		0	N.D.	
85) 1,2,3-Trichlorobenzene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : H:\GCMS_VOA\T\021309\
Data File : T0206.D
Acq On : 14 Feb 2009 1:13 am
Operator : CDC
Sample : RSB0148-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 16 08:55:32 2009
Quant Method : C:\msdchem\1\METHODS\8260WATER\R9B1102_8260.M
Quant Title : 8260 Waters Eclipse
QLast Update : Mon Feb 16 05:55:51 2009
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : H:\GCMS_VOA\T\021309\
Data File : T0207.D
Acq On : 14 Feb 2009 1:37 am
Operator : CDC
Sample : RSB0148-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 16 08:55:40 2009
Quant Method : C:\msdchem\1\METHODS\8260WATER\R9B1102_8260.M
Quant Title : 8260 Waters Eclipse
QLast Update : Mon Feb 16 05:55:51 2009
Response via : Initial Calibration

SJE 2/17/09

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Difluorobenzene	5.879	114	431509	25.00 ug/L	0.00
43) Chlorobenzene-D5	8.159	82	236368	25.00 ug/L	# 0.00
63) 1,4-Dichlorobenzene-D4	10.067	152	167675	25.00 ug/L	0.00
System Monitoring Compounds					
27) Dibromofluoromethane	5.306	111	131696	24.49 ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 97.96%		
32) 1,2-Dichloroethane-D4	5.574	65	200092	25.97 ug/L	0.00
Spiked Amount 25.000	Range 64 - 126		Recovery = 103.88%		
44) Toluene-D8	7.007	98	535545	26.13 ug/L	0.00
Spiked Amount 25.000	Range 71 - 125		Recovery = 104.52%		
62) p-Bromofluorobenzene	9.104	174	119711	21.81 ug/L	0.00
Spiked Amount 25.000	Range 72 - 126		Recovery = 87.24%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.886	50	831	N.D.	
4) Vinyl chloride	1.984	62	8261	1.01 ug/L	89
5) Bromomethane	2.374	94	276	Below Cal #	8
6) Chloroethane	2.538	64	787	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D.	
9) 1,1-Dichloroethene	0.000		0	N.D.	
10) Methylene chloride	3.831	84	296	Below Cal #	54
11) Carbon disulfide	0.000		0	N.D.	
12) Acrolein	3.294	56	76	N.D.	
13) Acrylonitrile	0.000		0	N.D.	
14) Acetone	3.441	43	1500	0.79 ug/L #	42
15) Acetonitrile	3.709	41	213	0.28 ug/L	100
16) Iodomethane	0.000		0	N.D.	
17) Methyl Acetate	3.739	43	149	N.D.	
18) T-butyl Methyl Ether	0.000		0	N.D.	
19) trans-1,2-Dichloroethene	4.069	96	1326	0.22 ug/L	85
20) 1,1-Dichloroethane	4.441	63	21353	1.62 ug/L	93
21) Vinyl Acetate	4.434	43	176	N.D.	
22) 2,2-Dichloropropane	4.886	77	97	N.D.	
23) cis-1,2-Dichloroethene	4.922	96	66794	9.97 ug/L	83
24) Tetrahydrofuran	5.166	42	246	N.D.	
25) Bromochloromethane	0.000		0	N.D.	
26) Chloroform	5.184	83	94	N.D.	
28) Cyclohexane	0.000		0	N.D.	
29) 1,1,1-Trichloroethane	5.312	97	169	N.D.	
30) Carbon tetrachloride	0.000		0	N.D.	
31) 1,1-Dichloropropene	0.000		0	N.D.	
33) Benzene	5.605	78	559	N.D.	
34) 1,2-Dichloroethane	5.587	62	76	N.D.	
35) 2-Butanone	4.947	43	771	0.24 ug/L	46
36) Trichloroethene	6.087	95	41745	6.66 ug/L	93
37) 2-Chloroethylvinyl Ether	0.000		0	N.D.	
38) Methylcyclohexane	6.080	83	463	N.D.	
39) 1,2-Dichloropropane	0.000		0	N.D.	
40) Dibromomethane	0.000		0	N.D.	
41) Bromodichloromethane	0.000		0	N.D.	

Quantitation Report (Not Reviewed)

Data Path : H:\GCMS_VOA\T\021309\
Data File : T0207.D
Acq On : 14 Feb 2009 1:37 am
Operator : CDC
Sample : RSB0148-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 16 08:55:40 2009
Quant Method : C:\msdchem\1\METHODS\8260WATER\R9B1102_8260.M
Quant Title : 8260 Waters Eclipse
QLast Update : Mon Feb 16 05:55:51 2009
Response via : Initial Calibration

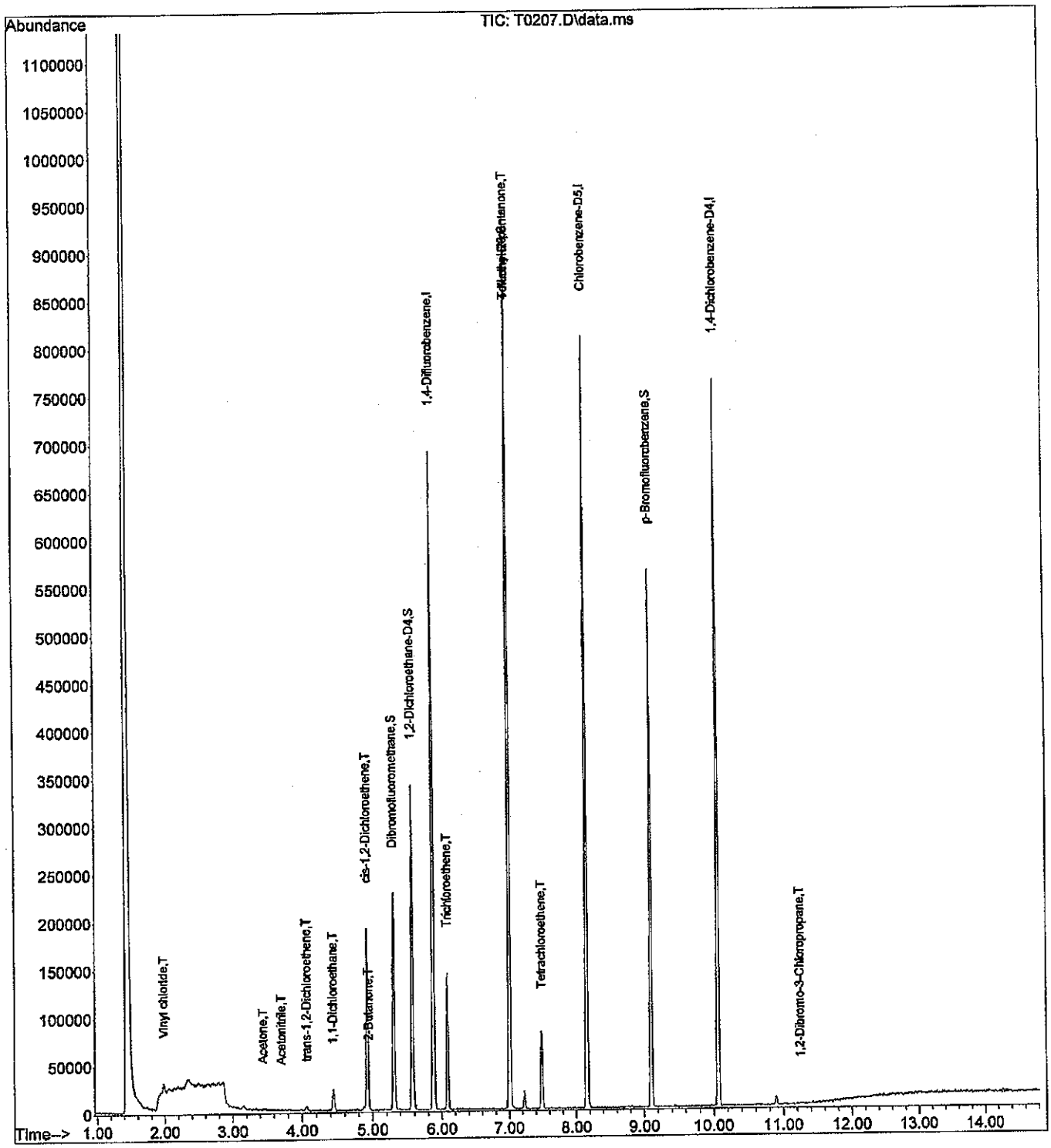
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) cis-1,3-Dichloropropene	0.000		0	N.D.	
45) Toluene	7.062	92	271	N.D.	
46) trans-1,3-Dichloropropene	0.000		0	N.D.	
47) Ethyl Methacrylate	0.000		0	N.D.	
48) 1,1,2-Trichloroethane	7.483	83	492	N.D.	
~~49) 4-Methyl-2-pentanone~~	~~7.007~~	~~43~~	~~3509~~	~~0.47 ug/L #~~	1
50) Tetrachloroethene	7.489	166	21105	3.82 ug/L	90
51) 1,3-Dichloropropane	0.000		0	N.D.	
52) Dibromochloromethane	0.000		0	N.D.	
53) 1,2-Dibromoethane	0.000		0	N.D.	
54) 2-Hexanone	7.562	43	269	N.D.	
55) Chlorobenzene	0.000		0	N.D.	
56) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.	
57) Ethylbenzene	8.159	91	621	N.D.	
58) m,p-Xylene	0.000		0	N.D.	
59) o-Xylene	0.000		0	N.D.	
60) Styrene	0.000		0	N.D.	
61) Bromoform	0.000		0	N.D.	
64) Isopropylbenzene	9.104	105	96	N.D.	
65) Bromobenzene	0.000		0	N.D.	
66) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	
67) 1,2,3-Trichloropropane	0.000		0	N.D.	
68) t-1,4-Dichloro-2-Butene	0.000		0	N.D.	
69) n-Propylbenzene	9.098	91	722	N.D.	
70) 2-Chlorotoluene (o)	0.000		0	N.D.	
71) 4-Chlorotoluene (p)	0.000		0	N.D.	
72) 1,3,5-Trimethylbenzene	0.000		0	N.D.	
73) tert-Butylbenzene	0.000		0	N.D.	
74) 1,2,4-Trimethylbenzene	0.000		0	N.D.	
75) sec-Butylbenzene	0.000		0	N.D.	
76) 1,3-Dichlorobenzene	0.000		0	N.D.	
77) p-Cymene (4-Isopropylt...	9.994	119	76	N.D.	
78) 1,4-Dichlorobenzene	0.000		0	N.D.	
79) 1,2-Dichlorobenzene	0.000		0	N.D.	
80) n-Butylbenzene	0.000		0	N.D.	
~~81) 1,2-Dibromo-3-Chloropr...~~	~~11.250~~	~~75~~	~~83~~	~~0.62 ug/L #~~	1
82) 1,2,4-Trichlorobenzene	0.000		0	N.D.	
83) Hexachlorobutadiene	0.000		0	N.D.	
84) Naphthalene	0.000		0	N.D.	
85) 1,2,3-Trichlorobenzene	0.000		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : H:\GCMS_VOA\T\021309\
Data File : T0207.D
Acq On : 14 Feb 2009 1:37 am
Operator : CDC
Sample : RSB0148-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Feb 16 08:55:40 2009
Quant Method : C:\msdchem\1\METHODS\8260WATER\R9B1102_8260.M
Quant Title : 8260 Waters Eclipse
QLast Update : Mon Feb 16 05:55:51 2009
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data Path : H:\GCMS_VOA\T\021309\
Data File : T0208.D
Acq On : 14 Feb 2009 2:01 am
Operator : CDC
Sample : RSB0148-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 16 08:55:44 2009
Quant Method : C:\msdchem\1\METHODS\8260WATER\R9B1102_8260.M
Quant Title : 8260 Waters Eclipse
QLast Update : Mon Feb 16 05:55:51 2009
Response via : Initial Calibration

SAE 2/17/09

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Difluorobenzene	5.879	114	414328	25.00	ug/L		0.00
43) Chlorobenzene-D5	8.159	82	225813	25.00	ug/L	#	0.00
63) 1,4-Dichlorobenzene-D4	10.068	152	164747	25.00	ug/L		0.00
System Monitoring Compounds							
27) Dibromofluoromethane	5.306	111	130220	25.22	ug/L		0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.88%				
32) 1,2-Dichloroethane-D4	5.575	65	191225	25.85	ug/L		0.00
Spiked Amount 25.000	Range 64 - 126		Recovery = 103.40%				
44) Toluene-D8	7.007	98	510418	26.07	ug/L		0.00
Spiked Amount 25.000	Range 71 - 125		Recovery = 104.28%				
62) p-Bromofluorobenzene	9.104	174	114291	21.79	ug/L		0.00
Spiked Amount 25.000	Range 72 - 126		Recovery = 87.16%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.			
3) Chloromethane	0.000		0	N.D.			
4) Vinyl chloride	1.996	62	79	N.D.			
5) Bromomethane	2.405	94	869	Below Cal			73
6) Chloroethane	2.496	64	240	N.D.			
7) Trichlorofluoromethane	0.000		0	N.D.			
8) 1,1,2-Trichloro-1,2,2-...	0.000		0	N.D.			
9) 1,1-Dichloroethene	0.000		0	N.D.			
10) Methylene chloride	3.843	84	4238	Below Cal	#		73
11) Carbon disulfide	3.569	76	199	N.D.			
12) Acrolein	3.234	56	96	N.D.			
13) Acrylonitrile	0.000		0	N.D.			
14) Acetone	3.447	43	2274	1.25	ug/L		88
~~15) Acetonitrile~~	~~3.758~~	~~41~~	~~485~~	~~0.66~~	~~ug/L~~		100
16) Iodomethane	0.000		0	N.D.			
17) Methyl Acetate	3.709	43	372	N.D.			
18) T-butyl Methyl Ether	0.000		0	N.D.			
19) trans-1,2-Dichloroethene	0.000		0	N.D.			
20) 1,1-Dichloroethane	0.000		0	N.D.			
21) Vinyl Acetate	4.459	43	94	N.D.			
22) 2,2-Dichloropropane	4.983	77	80	N.D.			
23) cis-1,2-Dichloroethene	0.000		0	N.D.			
24) Tetrahydrofuran	5.148	42	210	N.D.			
25) Bromochloromethane	0.000		0	N.D.			
26) Chloroform	5.184	83	87	N.D.			
28) Cyclohexane	0.000		0	N.D.			
29) 1,1,1-Trichloroethane	0.000		0	N.D.			
30) Carbon tetrachloride	0.000		0	N.D.			
31) 1,1-Dichloropropene	0.000		0	N.D.			
33) Benzene	5.587	78	88	N.D.			
34) 1,2-Dichloroethane	0.000		0	N.D.			
~~35) 2-Butanone~~	~~4.941~~	~~43~~	~~746~~	~~0.24~~	~~ug/L~~		46
36) Trichloroethene	0.000		0	N.D.			
37) 2-Chloroethylvinyl Ether	0.000		0	N.D.			
38) Methylcyclohexane	0.000		0	N.D.			
39) 1,2-Dichloropropane	0.000		0	N.D.			
40) Dibromomethane	0.000		0	N.D.			
41) Bromodichloromethane	0.000		0	N.D.			

Quantitation Report (Not Reviewed)

Data Path : H:\GCMS_VOA\T\021309\
Data File : T0208.D
Acq On : 14 Feb 2009 2:01 am
Operator : CDC
Sample : RSB0148-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 16 08:55:44 2009
Quant Method : C:\msdchem\1\METHODS\8260WATER\R9B1102_8260.M
Quant Title : 8260 Waters Eclipse
QLast Update : Mon Feb 16 05:55:51 2009
Response via : Initial Calibration

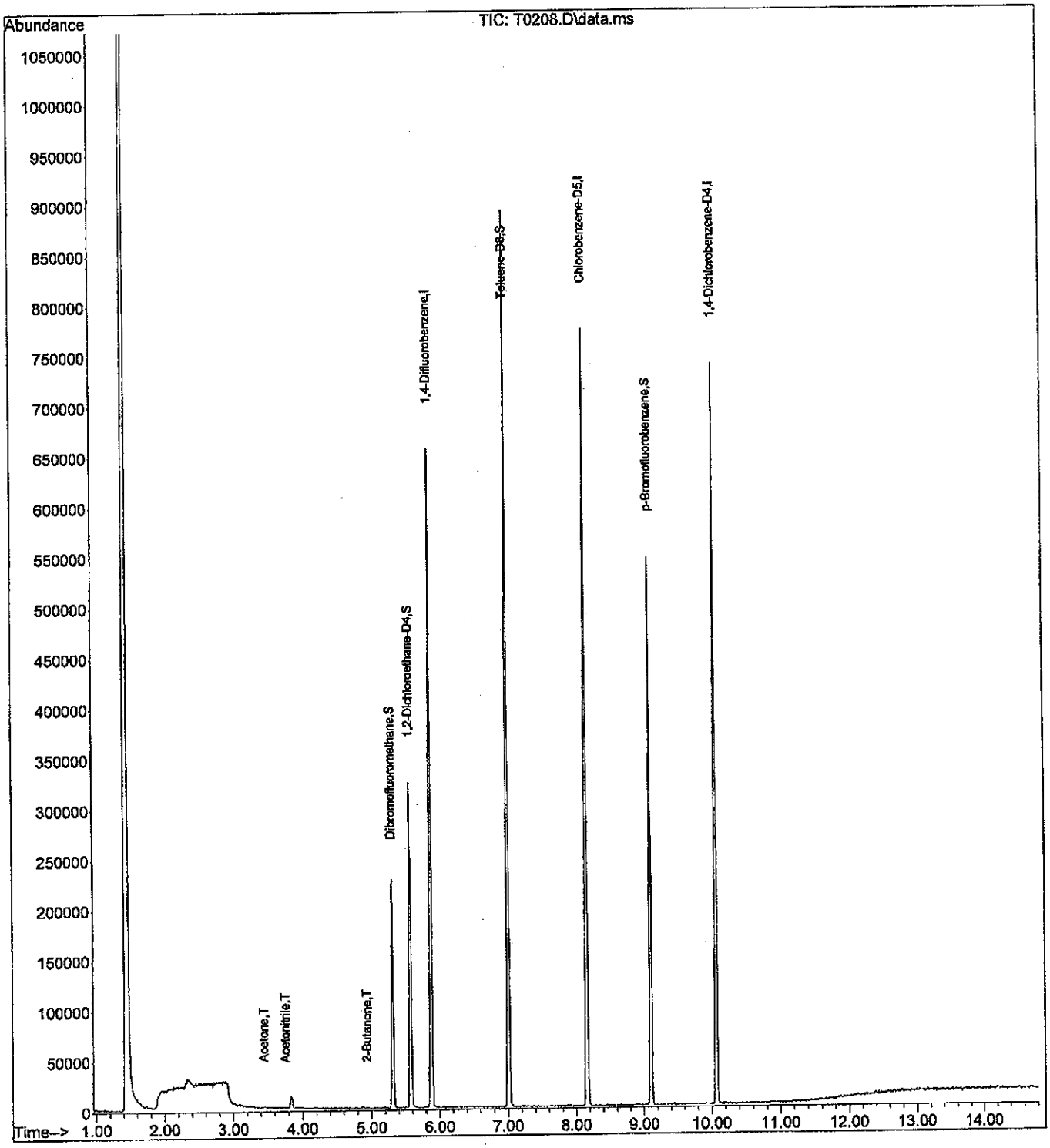
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) cis-1,3-Dichloropropene	0.000		0	N.D.		
45) Toluene	0.000		0	N.D.		
46) trans-1,3-Dichloropropene	0.000		0	N.D.		
47) Ethyl Methacrylate	0.000		0	N.D.		
48) 1,1,2-Trichloroethane	0.000		0	N.D.		
49) 4-Methyl-2-pentanone	6.830	43	119	N.D.		
50) Tetrachloroethene	0.000		0	N.D.		
51) 1,3-Dichloropropane	0.000		0	N.D.		
52) Dibromochloromethane	0.000		0	N.D.		
53) 1,2-Dibromoethane	0.000		0	N.D.		
54) 2-Hexanone	7.525	43	84	N.D.		
55) Chlorobenzene	0.000		0	N.D.		
56) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
57) Ethylbenzene	8.159	91	831	N.D.		
58) m,p-Xylene	0.000		0	N.D.		
59) o-Xylene	0.000		0	N.D.		
60) Styrene	0.000		0	N.D.		
61) Bromoform	0.000		0	N.D.		
64) Isopropylbenzene	9.104	105	185	N.D.		
65) Bromobenzene	0.000		0	N.D.		
66) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
67) 1,2,3-Trichloropropane	0.000		0	N.D.		
68) t-1,4-Dichloro-2-Butene	0.000		0	N.D.		
69) n-Propylbenzene	9.104	91	487	N.D.		
70) 2-Chlorotoluene (o)	0.000		0	N.D.		
71) 4-Chlorotoluene (p)	0.000		0	N.D.		
72) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
73) tert-Butylbenzene	0.000		0	N.D.		
74) 1,2,4-Trimethylbenzene	0.000		0	N.D.		
75) sec-Butylbenzene	0.000		0	N.D.		
76) 1,3-Dichlorobenzene	0.000		0	N.D.		
77) p-Cymene (4-Isopropylt...	0.000		0	N.D.		
78) 1,4-Dichlorobenzene	0.000		0	N.D.		
79) 1,2-Dichlorobenzene	0.000		0	N.D.		
80) n-Butylbenzene	0.000		0	N.D.		
81) 1,2-Dibromo-3-Chloropr...	0.000		0	N.D.		
82) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
83) Hexachlorobutadiene	0.000		0	N.D.		
84) Naphthalene	0.000		0	N.D.		
85) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : H:\GCMS_VOA\T\021309\
Data File : T0208.D
Acq On : 14 Feb 2009 2:01 am
Operator : CDC
Sample : RSB0148-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Feb 16 08:55:44 2009
Quant Method : C:\msdchem\1\METHODS\8260WATER\R9B1102_8260.M
Quant Title : 8260 Waters Eclipse
QLast Update : Mon Feb 16 05:55:51 2009
Response via : Initial Calibration



PREPARATION BATCH SUMMARY

8260B

Laboratory: TestAmerica Buffalo
SDG:

Client: ARCADIS U.S., Inc. - Albany, NY
Project: LMC - Utica, NY - NY9A846342

Batch: 9B13079 Batch Matrix: Water
Preparation: 5030B MS

SAMPLE NAME	LAB SAMPLE ID	INITIAL	FINAL	DATE PREPARED	OBSERVATIONS
Blank	9B13079-BLK1	5.00 mL	5.00 mL	02/13/09 18:00	
LCS	9B13079-BS1	5.00 mL	5.00 mL	02/13/09 18:00	
MH-1	RSB0148-01	5.00 mL	5.00 mL	02/13/09 18:00	A00039,
MH-2	RSB0148-02	5.00 mL	5.00 mL	02/13/09 18:00	A00039,
TRIP BLANK	RSB0148-03	5.00 mL	5.00 mL	02/13/09 18:00	A00039,

Arcadis, Geraghty & Miller
LMC - Utica, NY
METHOD 8260 - TCL VOLATILE ORGANICS

Client ID		DUP-1 080608		PZ-10		PZ-5		PZ-6	
Job No	Lab ID	A08-9621	A8962107	A08-9621	A8962105	A08-9621	A8962102	A08-9621	A8962103
Sample Date		08/06/2008		08/06/2008		08/06/2008		08/06/2008	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	32	25	26	25	41 J	100	45 J	100
Benzene	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
Bromodichloromethane	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
Bromoform	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
Bromomethane	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
2-Butanone	UG/L	ND	25	2.7 J	25	ND	100	ND	100
Carbon Disulfide	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
Carbon Tetrachloride	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
Chlorobenzene	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
Chloroethane	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
Chloroform	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
Chloromethane	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
Cyclohexane	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
1,2-Dibromoethane	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
Dibromochloromethane	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
1,2-Dibromo-3-chloropropane	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
1,2-Dichlorobenzene	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
1,3-Dichlorobenzene	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
1,4-Dichlorobenzene	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
Dichlorodifluoromethane	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
1,1-Dichloroethane	UG/L	0.91 J	5.0	ND	5.0	ND	20	ND	20
1,2-Dichloroethane	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
1,1-Dichloroethene	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
cis-1,2-Dichloroethene	UG/L	ND	5.0	ND	5.0	26	20	19 J	20
trans-1,2-Dichloroethene	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
1,2-Dichloropropane	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
cis-1,3-Dichloropropene	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
trans-1,3-Dichloropropene	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
Ethylbenzene	UG/L	ND	5.0	ND	5.0	10 J	20	ND	20
2-Hexanone	UG/L	ND	25	ND	25	ND	100	ND	100
Isopropylbenzene	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
Methyl acetate	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
Methylcyclohexane	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
Methylene chloride	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
4-Methyl-2-pentanone	UG/L	ND	25	ND	25	ND	100	ND	100
Methyl-t-Butyl Ether (MTBE)	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
Styrene	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
1,1,2,2-Tetrachloroethane	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
Tetrachloroethene	UG/L	ND	5.0	ND	5.0	8.6 J	20	14 J	20
Toluene	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
1,2,4-Trichlorobenzene	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
1,1,1-Trichloroethane	UG/L	1.1 J	5.0	ND	5.0	ND	20	ND	20
1,1,2-Trichloroethane	UG/L	ND	5.0	ND	5.0	ND	20	ND	20

NA = Not Applicable ND = Not Detected

Client ID		DUP-1 080608		PZ-10		PZ-5		PZ-6	
Job No	Lab ID	A08-9621	A8962107	A08-9621	A8962105	A08-9621	A8962102	A08-9621	A8962103
Sample Date		08/06/2008		08/06/2008		08/06/2008		08/06/2008	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
Trichlorofluoromethane	UG/L	ND	5.0	ND	5.0	ND	20	ND	20
Trichloroethene	UG/L	1.0 J	5.0	ND	5.0	9.5 J	20	19 J	20
Vinyl chloride	UG/L	ND	5.0	ND	5.0	5.9 J	20	9.6 J	20
Total Xylenes	UG/L	ND	15	ND	15	34 J	60	ND	60
IS/SURROGATE(S)									
Chlorobenzene-D5	%	79	50-200	80	50-200	80	50-200	80	50-200
1,4-Difluorobenzene	%	79	50-200	81	50-200	81	50-200	81	50-200
1,4-Dichlorobenzene-D4	%	76	50-200	77	50-200	79	50-200	78	50-200
Toluene-D8	%	101	71-126	101	71-126	103	71-126	104	71-126
p-Bromofluorobenzene	%	91	73-120	94	73-120	97	73-120	94	73-120
1,2-Dichloroethane-D4	%	116	66-137	115	66-137	114	66-137	115	66-137

Client ID		PZ-7		PZ-8		PZ-9		TRIP BLANK	
Job No	Lab ID	A08-9621	A8962104	A08-9621	A8962101	A08-9621	A8962106	A08-9621	A8962108
Sample Date		08/06/2008		08/06/2008		08/06/2008		08/06/2008	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	33	25	770	100	150	25	ND	25
Benzene	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
Bromodichloromethane	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
Bromoform	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
Bromomethane	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
2-Butanone	UG/L	ND	25	ND	100	2.6 J	25	ND	25
Carbon Disulfide	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
Carbon Tetrachloride	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
Chlorobenzene	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
Chloroethane	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
Chloroform	UG/L	ND	5.0	20	20	0.40 J	5.0	ND	5.0
Chloromethane	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
Cyclohexane	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
1,2-Dibromoethane	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
Dibromochloromethane	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
1,2-Dibromo-3-chloropropane	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
1,2-Dichlorobenzene	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
1,3-Dichlorobenzene	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
1,4-Dichlorobenzene	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
Dichlorodifluoromethane	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
1,1-Dichloroethane	UG/L	0.91 J	5.0	ND	20	3.0 J	5.0	ND	5.0
1,2-Dichloroethane	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
1,1-Dichloroethene	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
cis-1,2-Dichloroethene	UG/L	ND	5.0	1.8 J	20	ND	5.0	ND	5.0
trans-1,2-Dichloroethene	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
1,2-Dichloropropane	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
cis-1,3-Dichloropropene	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
trans-1,3-Dichloropropene	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
Ethylbenzene	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
2-Hexanone	UG/L	ND	25	ND	100	ND	25	ND	25
Isopropylbenzene	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
Methyl acetate	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
Methylcyclohexane	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
Methylene chloride	UG/L	ND	5.0	ND	20	1.5 J	5.0	ND	5.0
4-Methyl-2-pentanone	UG/L	ND	25	ND	100	ND	25	ND	25
Methyl-t-Butyl Ether (MTBE)	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
Styrene	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
1,1,2,2-Tetrachloroethane	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
Tetrachloroethene	UG/L	ND	5.0	14 J	20	ND	5.0	ND	5.0
Toluene	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
1,2,4-Trichlorobenzene	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
1,1,1-Trichloroethane	UG/L	1.1 J	5.0	ND	20	ND	5.0	ND	5.0
1,1,2-Trichloroethane	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0

NA = Not Applicable ND = Not Detected

Arcadis, Geraghty & Miller
LMC - Utica, NY
METHOD 8260 - TCL VOLATILE ORGANICS

Client ID		PZ-7		PZ-8		PZ-9		TRIP BLANK	
Job No	Lab ID	A08-9621	A8962104	A08-9621	A8962101	A08-9621	A8962106	A08-9621	A8962108
Sample Date		08/06/2008		08/06/2008		08/06/2008		08/06/2008	
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
Trichlorofluoromethane	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
Trichloroethene	UG/L	0.94 J	5.0	4.1 J	20	ND	5.0	ND	5.0
Vinyl chloride	UG/L	ND	5.0	ND	20	ND	5.0	ND	5.0
Total Xylenes	UG/L	ND	15	ND	60	ND	15	ND	15
IS/SURROGATE(S)									
Chlorobenzene-D5	%	83	50-200	81	50-200	78	50-200	76	50-200
1,4-Difluorobenzene	%	84	50-200	83	50-200	79	50-200	77	50-200
1,4-Dichlorobenzene-D4	%	79	50-200	77	50-200	76	50-200	74	50-200
Toluene-D8	%	100	71-126	105	71-126	104	71-126	104	71-126
p-Bromofluorobenzene	%	91	73-120	94	73-120	96	73-120	94	73-120
1,2-Dichloroethane-D4	%	112	66-137	114	66-137	118	66-137	117	66-137

NA = Not Applicable ND = Not Detected

Client ID		VBLK36							
Job No	Lab ID	A08-9621	A8B2069602						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
Acetone	UG/L	ND	25	NA		NA		NA	
Benzene	UG/L	ND	5.0	NA		NA		NA	
Bromodichloromethane	UG/L	ND	5.0	NA		NA		NA	
Bromoform	UG/L	ND	5.0	NA		NA		NA	
Bromomethane	UG/L	ND	5.0	NA		NA		NA	
2-Butanone	UG/L	ND	25	NA		NA		NA	
Carbon Disulfide	UG/L	ND	5.0	NA		NA		NA	
Carbon Tetrachloride	UG/L	ND	5.0	NA		NA		NA	
Chlorobenzene	UG/L	ND	5.0	NA		NA		NA	
Chloroethane	UG/L	ND	5.0	NA		NA		NA	
Chloroform	UG/L	ND	5.0	NA		NA		NA	
Chloromethane	UG/L	ND	5.0	NA		NA		NA	
Cyclohexane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dibromoethane	UG/L	ND	5.0	NA		NA		NA	
Dibromochloromethane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dibromo-3-chloropropane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
1,3-Dichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
1,4-Dichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
Dichlorodifluoromethane	UG/L	ND	5.0	NA		NA		NA	
1,1-Dichloroethane	UG/L	ND	5.0	NA		NA		NA	
1,2-Dichloroethane	UG/L	ND	5.0	NA		NA		NA	
1,1-Dichloroethene	UG/L	ND	5.0	NA		NA		NA	
cis-1,2-Dichloroethene	UG/L	ND	5.0	NA		NA		NA	
trans-1,2-Dichloroethene	UG/L	ND	5.0	NA		NA		NA	
1,2-Dichloropropane	UG/L	ND	5.0	NA		NA		NA	
cis-1,3-Dichloropropene	UG/L	ND	5.0	NA		NA		NA	
trans-1,3-Dichloropropene	UG/L	ND	5.0	NA		NA		NA	
Ethylbenzene	UG/L	ND	5.0	NA		NA		NA	
2-Hexanone	UG/L	ND	25	NA		NA		NA	
Isopropylbenzene	UG/L	ND	5.0	NA		NA		NA	
Methyl acetate	UG/L	ND	5.0	NA		NA		NA	
Methylcyclohexane	UG/L	ND	5.0	NA		NA		NA	
Methylene chloride	UG/L	ND	5.0	NA		NA		NA	
4-Methyl-2-pentanone	UG/L	ND	25	NA		NA		NA	
Methyl-t-Butyl Ether (MTBE)	UG/L	ND	5.0	NA		NA		NA	
Styrene	UG/L	ND	5.0	NA		NA		NA	
1,1,2,2-Tetrachloroethane	UG/L	ND	5.0	NA		NA		NA	
Tetrachloroethene	UG/L	ND	5.0	NA		NA		NA	
Toluene	UG/L	ND	5.0	NA		NA		NA	
1,2,4-Trichlorobenzene	UG/L	ND	5.0	NA		NA		NA	
1,1,1-Trichloroethane	UG/L	ND	5.0	NA		NA		NA	
1,1,2-Trichloroethane	UG/L	ND	5.0	NA		NA		NA	

NA = Not Applicable ND = Not Detected

Client ID		VBLK36							
Job No	Lab ID	A08-9621	A8B2069602						
Sample Date									
Analyte	Units	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit	Sample Value	Reporting Limit
1,1,2-Trichloro-1,2,2-trifluor	UG/L	ND	5.0	NA		NA		NA	
Trichlorofluoromethane	UG/L	ND	5.0	NA		NA		NA	
Trichloroethene	UG/L	ND	5.0	NA		NA		NA	
Vinyl chloride	UG/L	ND	5.0	NA		NA		NA	
Total Xylenes	UG/L	ND	15	NA		NA		NA	
IS/SURROGATE(S)									
Chlorobenzene-D5	%	87	50-200	NA		NA		NA	
1,4-Difluorobenzene	%	88	50-200	NA		NA		NA	
1,4-Dichlorobenzene-D4	%	84	50-200	NA		NA		NA	
Toluene-D8	%	102	71-126	NA		NA		NA	
p-Bromofluorobenzene	%	93	73-120	NA		NA		NA	
1,2-Dichloroethane-D4	%	111	66-137	NA		NA		NA	

NA = Not Applicable ND = Not Detected

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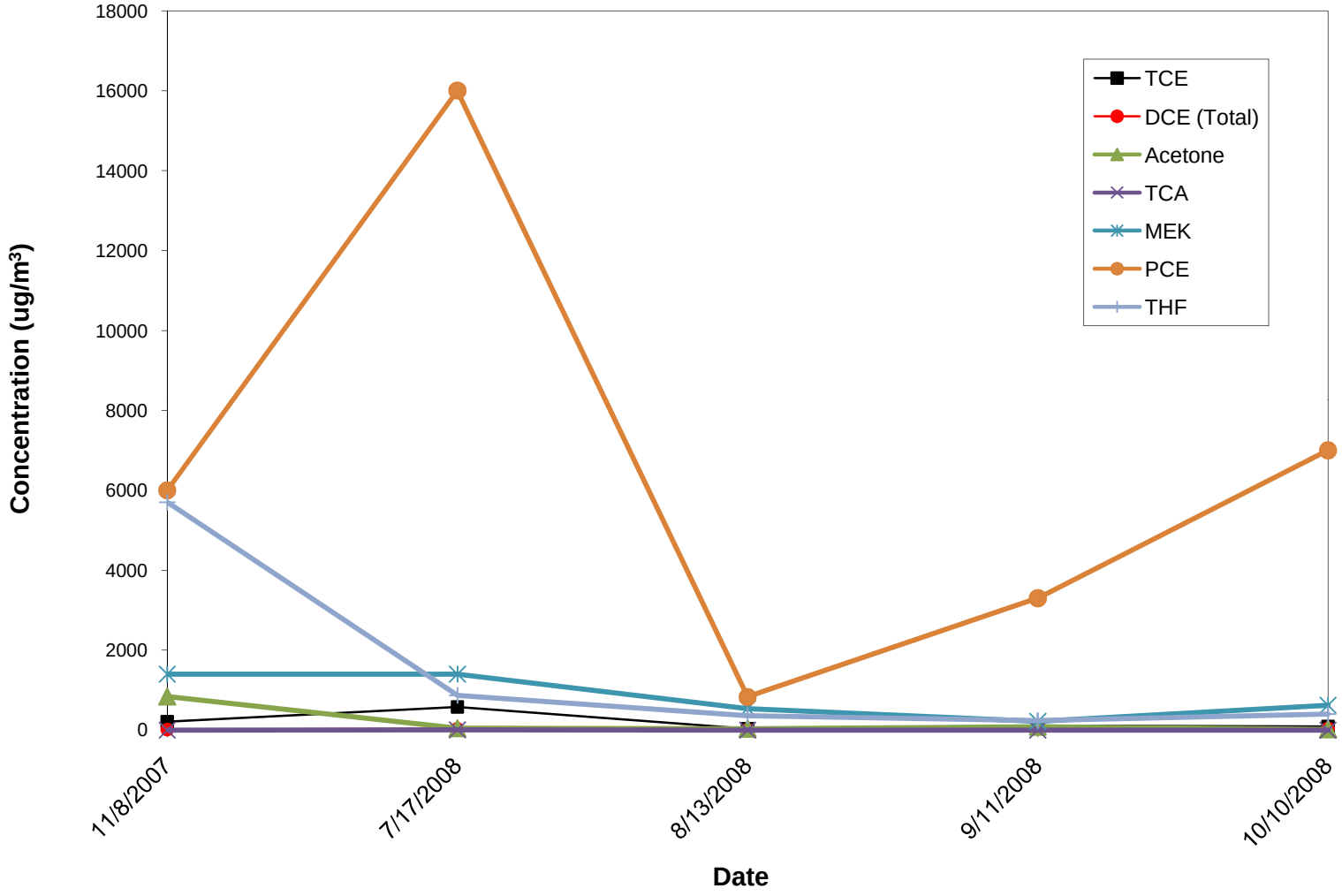
Appendix H

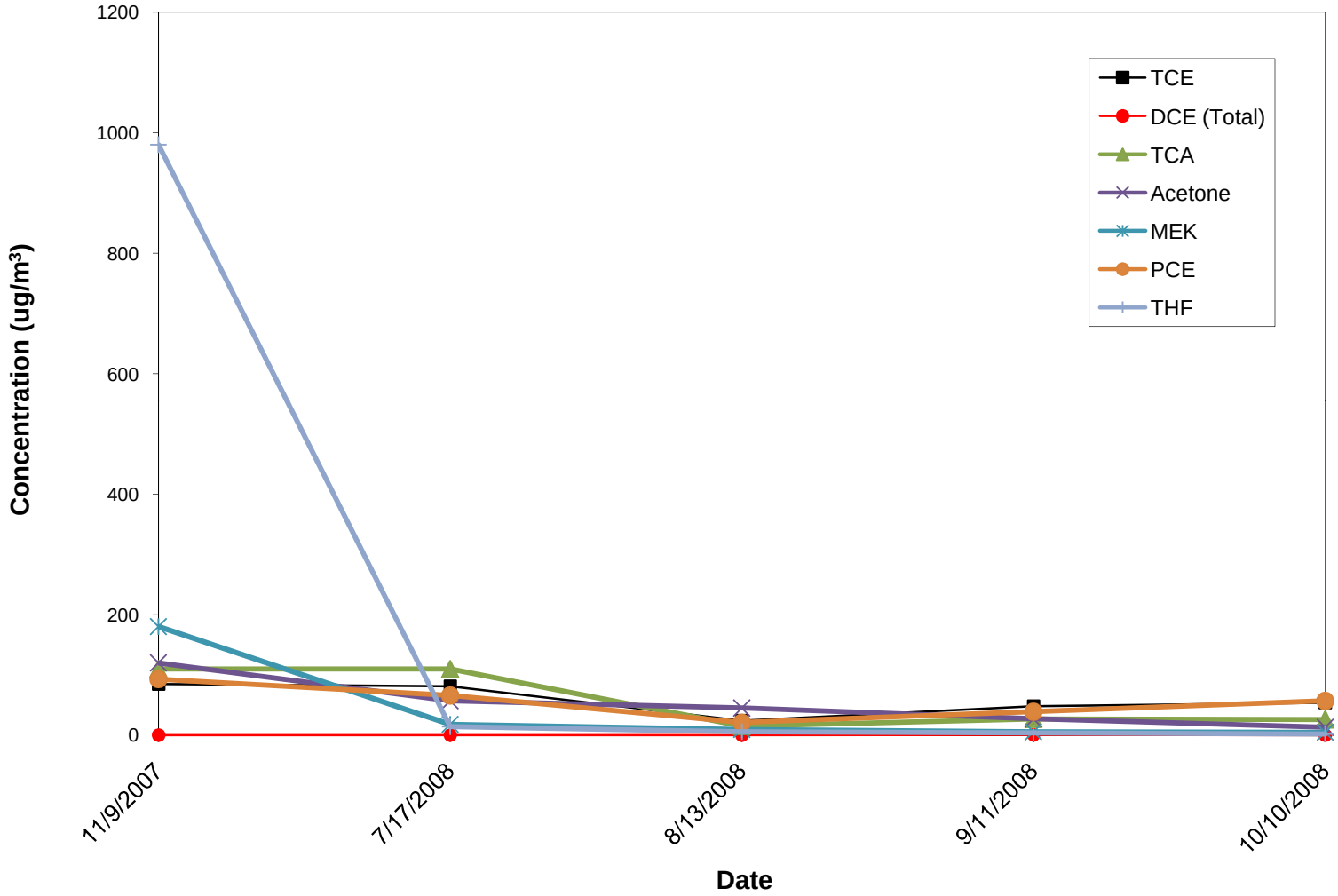
Vapor Sample Data Charts

Influent sample data collected at sump SDS-1 - Sub-Slab Depressurization System, Solvent Dock Area, Former Lockheed Martin Facility, Utica, New York



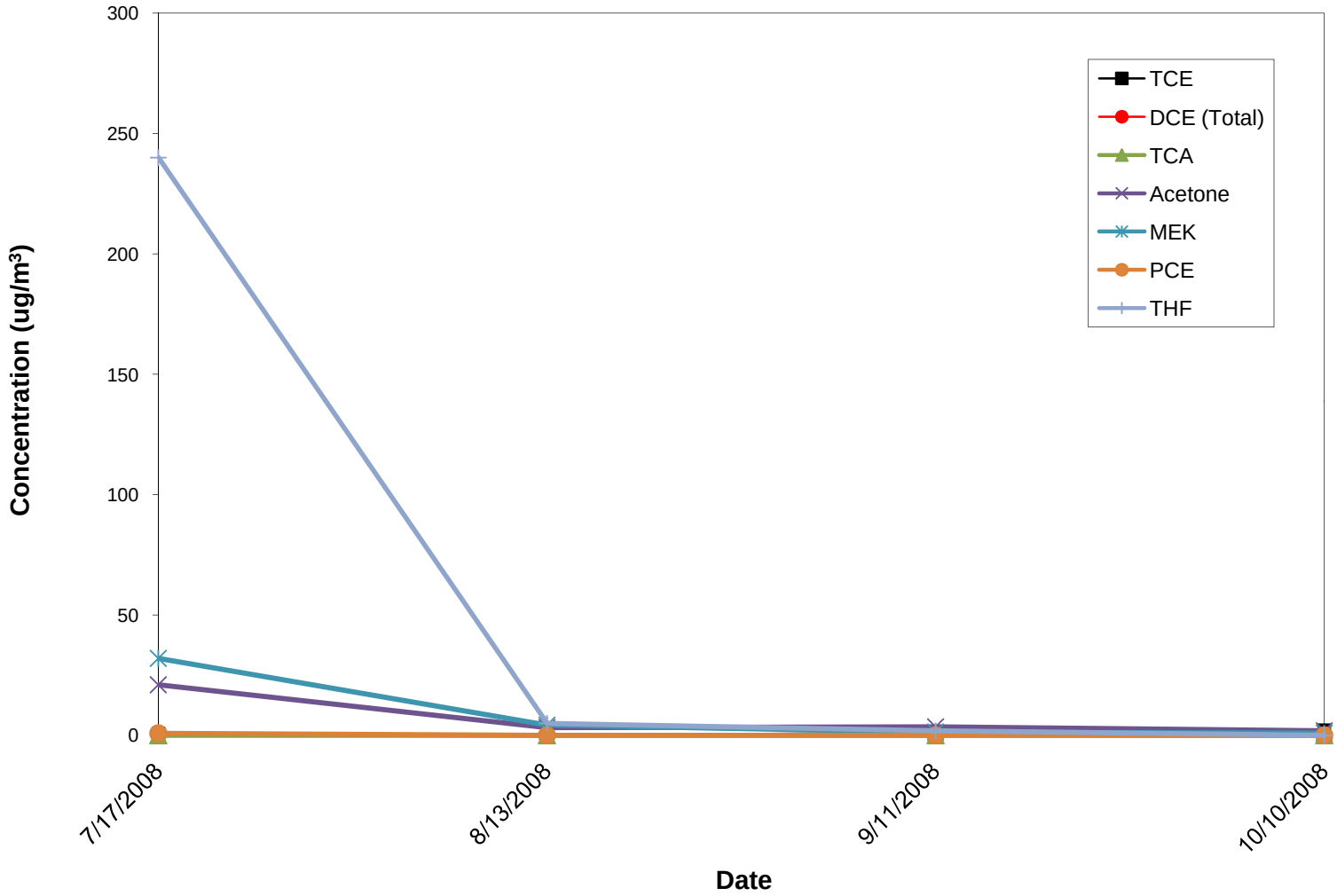
G:\aproject\ingersol\ay220.08\corres\mprs\2004Tables Figures\LMC Vapor Sample Results.xlsx.xls

Influent sample data collected from sump SDS-2 - Sub-Slab Depressurization System, Solvent Dock Area, Former Lockheed Martin Facility, Utica, New York

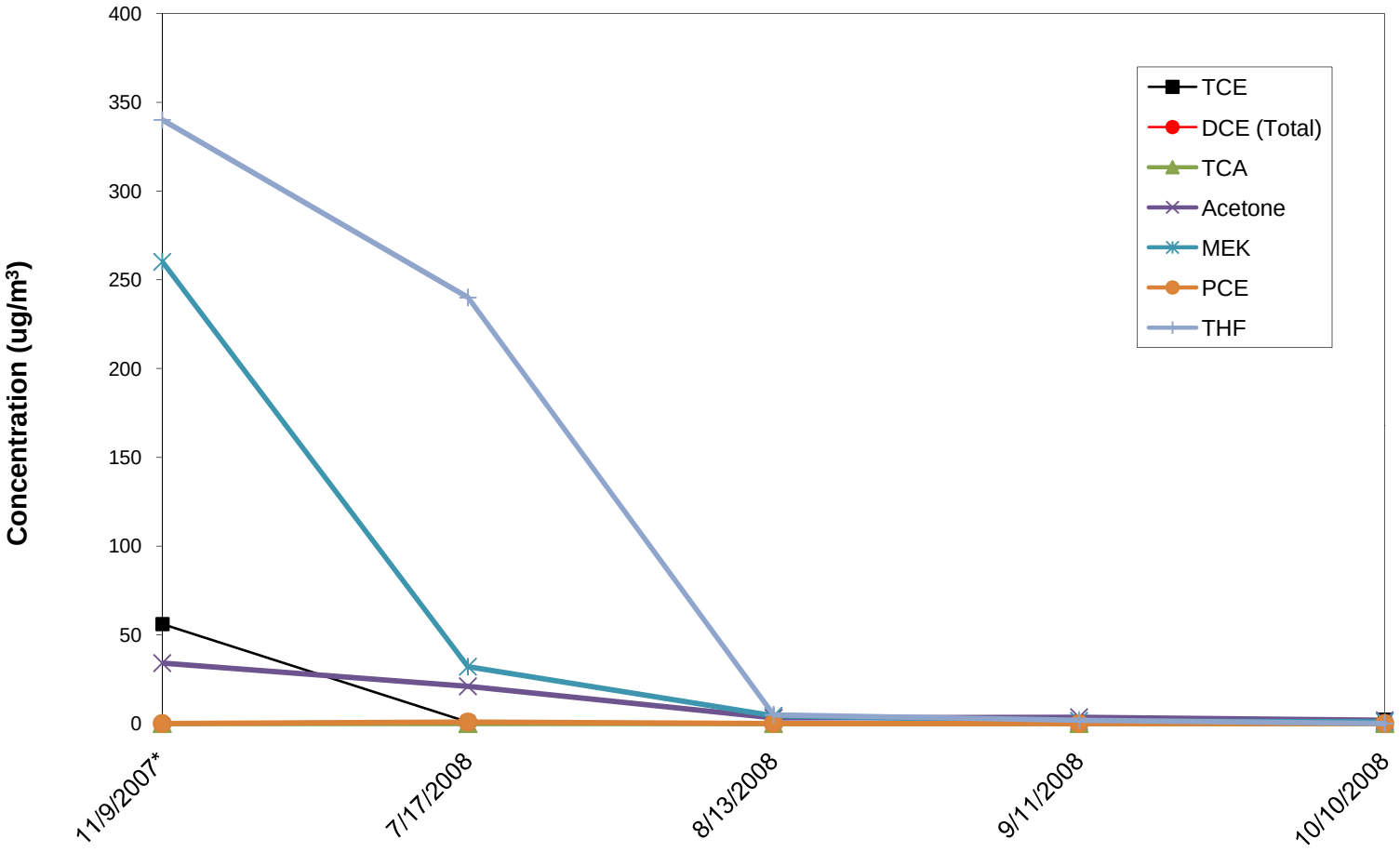


G:\aproject\ingersol\ay220.08\corres\mprs\2004Tables Figures\LMC Vapor Sample Results.xlsx.xls

Influent sample data collected from sump SDS-3 - Sub-Slab Depressurization System, Solvent Dock Area, Former Lockheed Martin Facility, Utica, New York



Effluent sample data, Sub-Slab Depressurization System, Solvent Dock Area, Former Lockheed Martin Facility, Utica, New York



*Effluent sample (11/9/07) taken while only SDS-2 in operation.

ARCADIS

Appendix I

Tank Status Report

ARCADIS
Infrastructure, environment, buildings

ARCADIS
465 New Karner Road
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New York 12205
Tel 518 452 7826
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www.arcadis-us.com

ENVIRONMENTAL

Mr. Larry A. Rosenmann
New York State Department of Environmental Conservation
Division of Solid and Hazardous Materials
Bureau of Hazardous Waste and Radiation Management, 9th Floor
625 Broadway
Albany, New York 12233-7258

Subject:
Tank Status Report - Revised
Former Lockheed Martin French Road Facility
525 French Road, Utica, New York

Date:
December 1, 2008
Revised March 11, 2009

Contact:
Jeffrey J. Bonsteel

Phone:
518.452.7826 x19

Email:
jeffrey.bonsteel@arcadis-us.com

Our reference:
NJ000634.0001

Dear Mr. Rosenmann:

On behalf of Lockheed Martin Corporation (Lockheed Martin), ARCADIS has prepared this tank status report for the Former Lockheed Martin French Road Facility (the site) in Utica, New York. As part of the Order on Consent (CO 6-20080321-5) for the site issued by the New York State Department of Environmental Conservation (NYSDEC), ARCADIS submitted what was defined as a Solid Waste Management Unit (SWMU) matrix which identified potential areas of investigation. Within this SWMU matrix, Table 1 from the Phase I Environmental Site Assessment (Phase I ESA) (Blasland, Bouck and Lee, 1995) was included and identified thirty-five (35) tanks for the former Lockheed Martin facility. Of these 35 tanks, 25 were listed as being closed and/or removed. Ten (10) of the tanks, however, were indicated as “in use”, and their status was not confirmed prior to the submission of the SWMU matrix to the NYSDEC. This letter report has been prepared to summarize the findings on these ten (10) tanks, and address what has been identified as Area of Concern 5 (AOC 5) in Attachment 2 (Corrective Measures Implementation Plan) to the Order on Consent.

FOIL Request and File Review

ARCADIS submitted a Freedom of Information Law (FOIL) request to the NYSDEC to review files pertinent to the former Lockheed Martin facility. On 15 July 2008, ARCADIS reviewed files at the NYSDEC office in Utica, New York. Files from the NYSDEC Watertown office were also reproduced by that office and mailed to ARCADIS. These files included tank status information, as well as historical and active remedial project information, air permitting documents, and other general correspondence pertaining to the site. Those documents determined to be associated specifically with the status of the 10 tanks in question were reviewed (and copied, if appropriate).

Site Inspection and Employee Interviews

Following the review of files generated from the NYSDEC FOIL request, ARCADIS completed a site visit to confirm documentation discovered within the NYSDEC files, as well as to identify and/or interview current ConMed Corporation staff who had previously worked for or have a working knowledge of operations of the facility when it was owned and operated by Lockheed Martin. Two current employees were identified and questioned as part of the tank status investigation. Additionally, in February 2009 ARCADIS conducted an interview with the former facility manager (Mr. Jon Ames of Lockheed Martin).

Where possible, ARCADIS also located and reviewed the current condition of the 10 tanks. As explained further below, ARCADIS was unable to confirm the former location of one of the tanks (identified as tank 17) due to a lack of specific information regarding each tank. Figure 1 provides the general locations of the other tanks.

Findings and Conclusions

Based on the tank investigation activities identified above, the status of the each of the 10 tanks was confirmed. A summary of the 10 tanks is included on Figure 1, and summarized below.

Tanks 16, 17, and 19

Tank 16 is a former 20,000-gallon aboveground storage tank having contained #1 fuel oil. This tank (located adjacent to the Boiler House) was closed in place, according to the file review. This tank is currently present at the facility, and is marked as closed on the outside of the tank. No observations of staining, spills or leaks on the asphalt around the tank were noted.

The former location of tank 17 was not able to be determined based on ARCADIS' file review, interviews with former employees, and site inspections. However, based on files reviewed at the NYSDEC office in Utica, New York, documentation existed confirming that tank 17 was closed; therefore, the final status of Tank 17 is confirmed. Tank 17 was a former 61-gallon gasoline aboveground storage tank listed as located at or adjacent to the main guard house. An inspection of the guard house did not indicate the location of this tank.

Tank 19 was a former 411-gallon #2 fuel oil above-ground storage tank listed as located at the material acquisition center (MAC). The MAC was a leased facility

initially operated by General Electric that was located off-site from the French Road main plant facility (immediately north of the facility and within a light industrial park). It appears from information in the Phase I ESA that Tank 19 was registered under the Petroleum Bulk Storage registration for the French Road main plant facility and was installed in 1988. The tank was listed as "closed-removed" on documentation within NYSDEC files (reviewed as part of the FOIL request), although a date of closure was not presented. This tank is not considered part of the former Lockheed Martin facility as defined within the Order on Consent, and its status was not confirmed as part of this report.

In addition to the information provided above, ARCADIS reviewed existing soil, groundwater and soil gas sampling data available in the general vicinity of each of the former tank locations to evaluate the potential of impacts from these tanks to the environment.

As part of the evaluation of soil gas quality at the site, a soil vapor sample was collected from within the guard house (and near the approximate location of Tank 17). This soil vapor sample (designated as VP-12SD) did not have any concentrations of volatile organic compounds (VOCs) warranting further evaluation (i.e., no further action in accordance with the NYSDOH guidance). This no further action determination is supported by the absence of any potential impacts to soil or groundwater below the guard house related to a potential release from Tank 17. The soil gas data was submitted to the NYSDEC as part of the *Addendum to the Vapor Intrusion Study Report for the Solvent Dock Area* (ARCADIS, February 29, 2008).

Based on the file review, site inspection, interviews with site employees, and recent analytical data, none of these tanks had spills or leaks associated with them, and were in good working order until their date of closure. As such, no further investigation into these 3 tanks is necessary.

Tanks 15, 27, 28, 29, 30, and 31

Tanks 15, 27, 28, 29, 30, and 31 are located within the former waste water treatment plant (also identified as the former pH neutralization building). Each tank was identified as present within the plant and currently inactive. Current facility operations by ConMed Corporation do not include the use of this treatment plant. The plant is currently not used by ConMed, and there are no future plans to use the plant for waste water treatment.

Tank 31 is a 775-gallon steel tank located on the main (first) floor of the former waste water treatment plant and is labeled as having contained sodium hydroxide for the waste water treatment process. This tank was also indentified (by lettering on the tank side) as the "Final Tank" (presumably in the waste water treatment process prior

to discharge to the sanitary sewer). This tank was visually observed to be empty at the time of the site inspection, and appeared to be in good condition. No observations of staining, spills, or leaks on the concrete floor around the tank were noted.

Tanks 27, 28, 29 and 30 are concrete tanks located in the basement of the waste water treatment plant. The tanks were used in the waste water treatment process, although specifics regarding their function in the treatment process were not determined during this tank status evaluation. The tanks were not fully observed during the site inspection due to limited access within the waste water treatment plant (i.e., restricted access to the tanks from the first floor and potential confined space and other health and safety concerns), but each appeared to be empty and in good condition (based on the observations completed). No observations of staining, spills, or leaks on the concrete floor around the tanks were noted. The basement floor of the waste water treatment plant was under approximately 6 to 10 inches of clear water (presumably groundwater) during the site visit. The concrete floor was observed to be in good condition, with no notable cracking or pitting. An inspection of the electrical circuit breaker for the waste water treatment plant indicated a circuit switch for “dewatering pumps,” which may have operated during plant operations to prevent the infiltration of groundwater. No sheens, odors or other impacts were observed regarding the groundwater in the basement and the area around the 4 concrete tanks.

Tank 15 is an 800-gallon plastic tank formerly containing sodium hydroxide for the waste water treatment process. This tank is also located in the basement of the waste water treatment plant, and is elevated on a tank platform. This tank was visually observed to be empty at the time of the site inspection, and appeared to be in good condition. No observations of staining, spills, or leaks on the concrete floor around the tank were noted.

The NYSDEC file review did not provide any information regarding the status of these tanks. Additionally, interviews with former employees did not provide any additional insight to the former use and status of the tanks than that discussed above.

Based on the above observations made, no further investigation into these 6 tanks is necessary.

Tank 18

Tank 18 was identified as “outside Exit 21” on Table 1 of the Phase I ESA. ConMed employees interviewed indicated that each exit from the facility building was identified by number. A back-up generator for the facility, which is powered by #2 fuel

oil, is located outside of the exit identified as Exit 21. The fuel oil is stored in a 210-gallon steel tank located in an out-building located adjacent to the main facility. The tank and generator are in active use by ConMed. The tank was observed to be in good condition. No observations of staining, spills, or leaks on the concrete pad around the tank were noted. Additionally, secondary containment of the tank and generator were observed during the site inspection.

This tank was not the subject of any documentation reviewed. Additionally, former employees did not indicate that this location had any historical spills or releases associated with it during its operation by Lockheed Martin.

In addition to the information provided above, ARCADIS reviewed existing soil, groundwater and soil gas sampling data available in the general vicinity of this tank to evaluate the potential of impacts from the tank to the environment. As stated above, ARCADIS assisted the ConMed Corporation with completing pre-excavations and investigations in the area around eight locations where they planned to repair and/or replace below ground appurtenances associated with the fire suppression system for the facility. One of these sample locations (identified as PIV-8) was located in the general vicinity of the location of Tank 18. Data from this location did not indicate impacts to soil or groundwater that would be indicative of a fuel oil tank spill or release.

Based on these observations, no further investigation into this tank is necessary.

Summary

Each of the ten (10) tanks identified as having an unknown status during the submittal of the SWMU Matrix to the NYSDEC were located as part of the tank investigation. Each of the tanks is either closed or inactive, with the exception of Tank 18 (which is actively used to fuel a back-up generator for the ConMed facility) and Tank 19 (which was located at the former MAC, and is not part of the French Road facility). Note that Tank #17 was evaluated based on its approximate location and available information. None of the 10 tank locations were observed to or had records indicating spills, leaks, or other conditions that may have impacted soil and/or groundwater at the site. As such, no further investigation into the status of these tanks is required.

The NYSDEC provided a preliminary review of the initial version of this report (December 1, 2008 submittal). As part of that review, the NYSDEC requested that information be provided to demonstrate that the WWTP influent and effluent pipes had been sealed and all residual materials removed during site closure activities. Lockheed Martin is currently investigating the condition of these pipes, and will

provide a determination as well as recommendation on future actions (if required) as part of future corrective actions.

This summary report completes requirements for AOC 5 in Attachment 2 to the Order on Consent (CO 6-20080321-5) (Corrective Measures Implementation Plan). A summary of this investigation will also be included within the Corrective Measures Study Report for the site, as required by the Order on Consent.

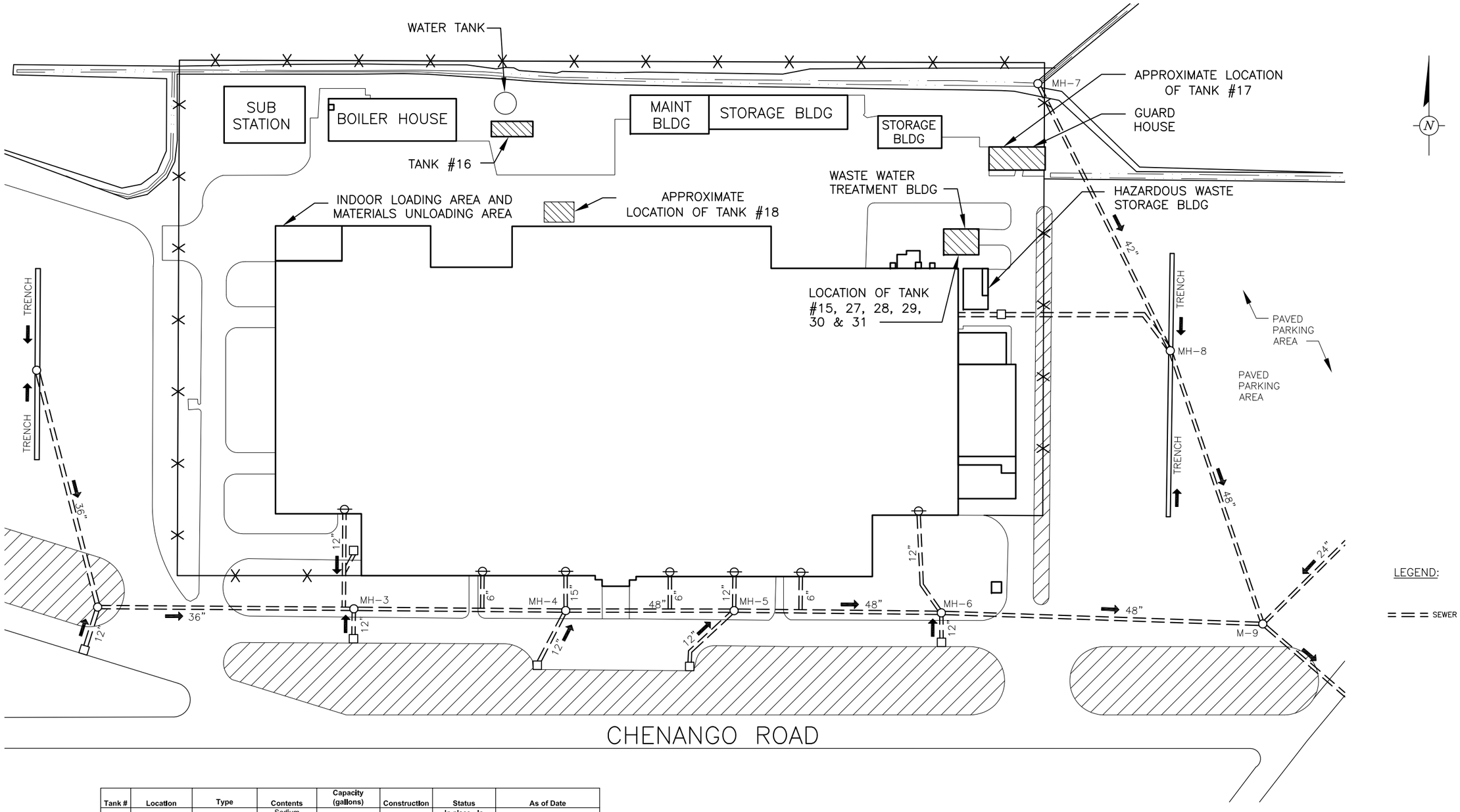
Sincerely,

ARCADIS

Jeffrey J. Bonsteel
Project Scientist

Attachments:
Figure 1

Copies:
Chris Motta, ARCADIS
Tom Blackman, LMC
Greg Rys, NYSDOH-Herkimer
Paul Ragusa, ConMed
File



Tank #	Location	Type	Contents	Capacity (gallons)	Construction	Status	As of Date
15	Waste Treatment	AST	Sodium Hydroxide	800	Plastic	In place - In active	July 2008
16	Boiler House	AST	#1 Fuel Oil	20,000	Steel	Closed in place	May 2001
17	Main Guard House	AST	Gasoline	61	Steel	Closed - removed	May 2001
18	Outside Exit 21	AST	#2 Fuel Oil	210	Steel	Active	July 2008
19	Material Acquisition Center (off-site location)	AST	#2 Fuel Oil	411	Steel	Closed - removed	Unknown
27	Wastewater Treatment	UST	Wastewater	1,294	Concrete	In place - In active	July 2008
28	Wastewater Treatment	UST	Wastewater	3,319	Concrete	In place - In active	July 2008
29	Wastewater Treatment	UST	Wastewater	2,306	Concrete	In place - In active	July 2008
30	Wastewater Treatment	UST	Wastewater	1,856	Concrete	In place - In active	July 2008
31	Wastewater Treatment	UST	Wastewater	Unknown	Steel	In place - In active	July 2008

FORMER LOCKHEED MARTIN
FRENCH ROAD FACILITY
UTICA, NEW YORK
TANK STATUS REPORT

SITE MAP

ARCADIS

FIGURE
1

ARCADIS

Appendix J

Data Usability Summary Reports
(electronic format)

ARCADIS
Infrastructure, environment, facilities

Imagine the result

Lockheed Martin-Utica

Data Usability Summary Report

UTICA, NEW YORK

Volatiles

SDG A08-8911

Analyses Performed By:
TestAmerica Laboratories
Amherst, New York

Report: #9821R
Project: NJ000642.0001.00001

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) #A08-8911 for samples collected in association with the Lockheed Martin Corporation Utica, New York Site. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
					VOC	SVOC	PEST/ PCB	MET	MISC
IB-1 (2-4)	A8891101	Soil	07/21/2008		X				
IB-1 (6-8)	A8891102	Soil	07/21/2008		X				
IB-2 (0.75-1.75)	A8891103	Soil	07/21/2008		X				
IB-2 (8-8.5)	A8891104	Soil	07/21/2008		X				

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

QA - Quality Assurance

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260B. Data was reviewed in accordance with USEPA National Functional Guidelines of October 1999 and January 2005.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

  U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

  B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

- Quantitation (Q) Qualifiers

  E The compound was quantitated above the calibration range.

  D Concentration is based on a diluted sample analysis.

- Validation Qualifiers

  J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

  UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

  JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.

  UB Compound considered non-detect at the listed value due to associated blank contamination.

  N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.

  R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260B	Soil	48 hours from collection to extraction and 14 days from extraction to analysis	Cooled @ 4 °C.

s.u. Standard units

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (15%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample Locations	Initial/Continuing	Compound	Criteria
IB-1 (2-4) IB-1 (6-8) IB-2 (0.75-1.75) IB-2 (8-8.5)	CCV %D	Bromoform	-25.2%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01[1]	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01[1]	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 15% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
Continuing Calibration	%D >20% (increase in sensitivity)	Non-detect	No Action
		Detect	J
	%D >20% (decrease in sensitivity)	Non-detect	UJ
		Detect	J

[1] RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e., ketenes, 1,4-dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria requires the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD was not performed on a sample location associated with this SDG.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 50% for water matrices and 100% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

A field duplicate was not performed on a sample location associated with this SDG.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 1311/8260B	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks					X
C. Trip blanks					X
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate(LCSD)					X
LCS/LCSD Precision (RPD)					X
Matrix Spike (MS)					X
Matrix Spike Duplicate(MSD)					X
MS/MSD Precision (RPD)					X
Field/Lab Duplicate (%D)					X
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X	X		
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

%RSD Percent relative difference
%R Percent recovery
RPD Relative percent difference
%D Percent difference

SAMPLE COMPLIANCE REPORT

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]					Noncompliance
					VOC	SVOC	PCB/PEST	MET	MISC	
A8891101	07/21/2008	SW-846	IB-1 (2-4)	Soil	No	--	--	--	--	VOC-CCV%D
A8891102	07/21/2008	SW-846	IB-1 (6-8)	Soil	No	--	--	--	--	VOC-CCV%D
A8891103	07/21/2008	SW-846	IB-2 (0.75-1.75)	Soil	No	--	--	--	--	VOC-CCV%D
A8891104	07/21/2008	SW-846	IB-2 (8-8.5)	Soil	No	--	--	--	--	VOC-CCV%D

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Mary Ann Doyle

SIGNATURE: 

DATE: 2/27/09

PEER REVIEW: Dennis Capria

DATE: March 4, 2009

CHAIN OF CUSTODY/
CORRECTED SAMPLE ANALYSIS DATA SHEETS

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-1 (2-4')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891101

Sample wt/vol: 5.11 (g/mL) G Lab File ID: F3413.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 12 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	21	J
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	UJ
74-83-9	Bromomethane	6	U
78-93-3	2-Butanone	28	U
75-15-0	Carbon Disulfide	6	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
106-93-4	1,2-Dibromoethane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	28	U
98-82-8	Isopropylbenzene	6	U
79-20-9	Methyl acetate	6	U
108-87-2	Methylcyclohexane	6	U
75-09-2	Methylene chloride	13	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-1 (2-4')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891101

Sample wt/vol: 5.11 (g/mL) G Lab File ID: F3413.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 12 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	28	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
79-01-6	Trichloroethene	8	
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	17	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-1 (6-8')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891102

Sample wt/vol: 5.31 (g/mL) G Lab File ID: F3414.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 18 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	54	
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	UJ
74-83-9	Bromomethane	6	U
78-93-3	2-Butanone	11	J
75-15-0	Carbon Disulfide	1	J
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
106-93-4	1,2-Dibromoethane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	cis-1,2-Dichloroethene	3	J
156-60-5	trans-1,2-Dichloroethene	2	J
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	29	U
98-82-8	Isopropylbenzene	6	U
79-20-9	Methyl acetate	6	U
108-87-2	Methylcyclohexane	6	U
75-09-2	Methylene chloride	6	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-1 (6-8')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891102

Sample wt/vol: 5.31 (g/mL) G Lab File ID: F3414.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 18 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	29	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	2	J
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
79-01-6	Trichloroethene	6	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	17	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-2 (0.75-1.75')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891103

Sample wt/vol: 5.04 (g/mL) G Lab File ID: F3415.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 11 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	47	
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U J
74-83-9	Bromomethane	6	U
78-93-3	2-Butanone	28	U
75-15-0	Carbon Disulfide	2	J
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
106-93-4	1,2-Dibromoethane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	28	U
98-82-8	Isopropylbenzene	6	U
79-20-9	Methyl acetate	6	U
108-87-2	Methylcyclohexane	6	U
75-09-2	Methylene chloride	5	J

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-2 (0.75-1.75')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891103

Sample wt/vol: 5.04 (g/mL) G Lab File ID: F3415.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 11 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	28	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
79-01-6	Trichloroethene	6	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	17	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

11/129

Client No.

IB-2 (8-8.5')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891104

Sample wt/vol: 5.25 (g/mL) G Lab File ID: F3416.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	21	J
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U J
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-2 (8-8.5')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8891104

Sample wt/vol: 5.25 (g/mL) G Lab File ID: F3416.RR

Level: (low/med) LOW Date Samp/Recv: 07/21/2008 07/24/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 07/28/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	26	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	16	U

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: ARCADIS	Project Manager: Jeff Bonsteel	Date: 07/23/08	Chain of Custody Number: 087011
Address: 465 New Karner Rd.	Telephone Number (Area Code)/Fax Number: (518) 452-7826 (518) 452-4398	Lab Number:	Page 1 of 1
City: Albany / State: NY / Zip Code: 12205	Site Contact:	Lab Contact: Candace Fox	
Project Name and Location (State): LMC-Utica Utica, NY	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: NJ000630.0001.0002 A			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Other	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Other	Analysis (Attach list if more space is needed): TCL VOAs	Special Instructions/ Conditions of Receipt
IB-1 (2-4')	07/21/08	2100				X		1							1	
IB-1 ~~(10-12')~~ (6-8')	07/21/08	2100				X		1							1	
IB-2 (0.75-1.75')	07/22/08	2000				X		1							1	
IB-2 (8-8.5')	07/22/08	2000				X		1							1	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☑ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	07/23/08	1215	1. Received By BURFORD	07/24/08	0900
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

2.0°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

17/17

ARCADIS
Infrastructure, environment, facilities

Imagine the result

Lockheed Martin-Utica

Data Usability Summary Report

UTICA, NEW YORK

Volatiles

SDG A08-9368

Analyses Performed By:
TestAmerica Laboratories
Amherst, New York

Report: #9822R
Project: NJ000642.0001.00001

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) #A08-9368 for samples collected in association with the Lockheed Martin Corporation Utica, New York Site. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
					VOC	SVOC	PEST/ PCB	MET	MISC
IB-5 (1.3-1.7)	A8936801	Soil	07/29/2008		X				
IB-5 (6-8)	A8936802	Soil	07/29/2008		X				
IB-6 (2-2.4)	A8936803	Soil	07/30/2008		X				
IB-6 (8-8.9)	A8936804	Soil	07/30/2008		X				
IB-7 (4-4.4)	A8936805	Soil	07/31/2008		X				
IB-7 (8-8.9)	A8936806	Soil	07/31/2008		X				

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X	X		
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

QA - Quality Assurance

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260B. Data was reviewed in accordance with USEPA National Functional Guidelines of October 1999 and January 2005.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

  U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

  B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

- Quantitation (Q) Qualifiers

  E The compound was quantitated above the calibration range.

  D Concentration is based on a diluted sample analysis.

- Validation Qualifiers

  J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

  UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

  JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.

  UB Compound considered non-detect at the listed value due to associated blank contamination.

  N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.

  R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260B	Soil	14 days from collection to analysis	Cooled @ 4 °C.

s.u. Standard units

All samples were analyzed within the specified holding time criteria. The samples were received at a temperature greater than the method requirements. The analyses that exceeded the required temperature preservation are presented in the following table.

Sample Locations	Temperature	Criteria
All samples	16.2 °C	Greater than two time 4^{o}C +-2^{o}C

Sample results associated with sample locations analyzed by analytical method SW-846 8260 were qualified, as specified in the table below. All other holding times were met.

Criteria	Qualification	
	Detected Analytes	Non-detect Analytes
Analysis completed greater than two times holding time	J	R

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

All compounds associated with the QA blanks exhibited a concentration less than the MDL, with the exception of the compounds listed in the following table. Sample results associated with QA blank contamination that were greater than the BAL resulted in the removal of the laboratory qualifier (B) of data. Sample results less than the BAL associated with the following sample locations were qualified as listed in the following table.

Sample Locations	Analytes	Sample Result	Qualification
IB-5 (1.3-1.7) IB-5 (6-8) IB-7 (4-4.4) IB-7 (8-8.9)	Acetone	Detected sample results <RL and <BAL	"UB" at detected sample concentration

RL Reporting limit

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (15%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria requires the internal standard compounds associated with the VOC

exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD was not performed on a sample location associated with this SDG.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 50% for water matrices and 100% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

A field duplicate was not performed on a sample location associated with this SDG.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 1311/8260B	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X	X		
B. Equipment blanks					X
C. Trip blanks					X
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate(LCSD)					X
LCS/LCSD Precision (RPD)					X
Matrix Spike (MS)					X
Matrix Spike Duplicate(MSD)					X
MS/MSD Precision (RPD)					X
Field/Lab Duplicate (%D)					X
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X		X	
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

%RSD Percent relative difference
%R Percent recovery
RPD Relative percent difference
%D Percent difference

SAMPLE COMPLIANCE REPORT

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]					Noncompliance
					VOC	SVOC	PCB/PEST	MET	MISC	
A8936801	07/29/2008	SW-846	IB-5 (1.3-1.7)	Soil	No	--	--	--	--	VOC-Blank contamination, Temperature
A8936802	07/29/2008	SW-846	IB-5 (6-8)	Soil	No	--	--	--	--	VOC-Blank contamination, Temperature
A8936803	07/30/2008	SW-846	IB-6 (2-2.4)	Soil	No	--	--	--	--	VOC-Blank contamination, Temperature
A8936804	07/30/2008	SW-846	IB-6 (8-8.9)	Soil	No	--	--	--	--	VOC-Blank contamination, Temperature
A8936805	07/31/2008	SW-846	IB-7 (4-4.4)	Soil	No	--	--	--	--	VOC-Blank contamination, Temperature
A8936806	07/31/2008	SW-846	IB-7 (8-8.9)	Soil	No	--	--	--	--	VOC-Blank contamination, Temperature

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Mary Ann Doyle

SIGNATURE: 

DATE: 2/26/09

PEER REVIEW: Dennis Capria

DATE: March 5, 2009

CHAIN OF CUSTODY/
CORRECTED SAMPLE ANALYSIS DATA SHEETS

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-5 (1.3-1.7)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936801

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3602.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 08/04/2008

% Moisture: not dec. 8 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	42	R UB J
71-43-2	Benzene	5	U R
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	27	U
75-15-0	Carbon Disulfide	10	J
56-23-5	Carbon Tetrachloride	5	U R
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	27	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	11	J

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-5 (1.3-1.7)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936801

Sample wt/vol: 5.00 (g/mL) G Lab File ID: F3602.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 08/04/2008

% Moisture: not dec. 8 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	27	U R
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	16	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-5 (6-8)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936802

Sample wt/vol: 5.35 (g/mL) G Lab File ID: F3603.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 08/04/2008

% Moisture: not dec. 13 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	15	~~BJ~~ UB J
71-43-2	Benzene	5	U R
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	27	U
75-15-0	Carbon Disulfide	8	J
56-23-5	Carbon Tetrachloride	5	U R
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	27	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	10	J

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-5 (6-8)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936802

Sample wt/vol: 5.35 (g/mL) G Lab File ID: F3603.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 08/04/2008

% Moisture: not dec. 13 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	27	U R
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	16	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-6 (2-2.4)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936803

Sample wt/vol: 5.23 (g/mL) G Lab File ID: F3604.RR

Level: (low/med) LOW Date Samp/Recv: 07/30/2008 08/04/2008

% Moisture: not dec. 15 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	81	BJ
71-43-2	Benzene	6	UR
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	6	U
78-93-3	2-Butanone	28	U
75-15-0	Carbon Disulfide	7	J
56-23-5	Carbon Tetrachloride	6	UR
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
106-93-4	1,2-Dibromoethane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	28	U
98-82-8	Isopropylbenzene	6	U
79-20-9	Methyl acetate	6	U
108-87-2	Methylcyclohexane	6	U
75-09-2	Methylene chloride	9	J

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-6 (2-2.4)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936803

Sample wt/vol: 5.23 (g/mL) G Lab File ID: F3604.RR

Level: (low/med) LOW Date Samp/Recv: 07/30/2008 08/04/2008

% Moisture: not dec. 15 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	28	U R
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
79-01-6	Trichloroethene	6	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	17	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-6 (8-8.9)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936804

Sample wt/vol: 5.26 (g/mL) G Lab File ID: F3605.RR

Level: (low/med) LOW Date Samp/Recv: 07/30/2008 08/04/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	310	~~B~~ J
71-43-2	Benzene	5	U R
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	7	J
56-23-5	Carbon Tetrachloride	5	U R
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	4	J
156-60-5	trans-1,2-Dichloroethene	5	U R
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	4	J

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-6 (8-8.9)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936804

Sample wt/vol: 5.26 (g/mL) G Lab File ID: F3605.RR

Level: (low/med) LOW Date Samp/Recv: 07/30/2008 08/04/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	26	U R
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	16	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-7 (4-4.4)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936805

Sample wt/vol: 5.10 (g/mL) G Lab File ID: F3606.RR

Level: (low/med) LOW Date Samp/Recv: 07/31/2008 08/04/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	18	BJUB J
71-43-2	Benzene	5	U R
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	27	U
75-15-0	Carbon Disulfide	8	J
56-23-5	Carbon Tetrachloride	5	U R
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	27	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	11	J

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-7 (4-4.4)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936805

Sample wt/vol: 5.10 (g/mL) G Lab File ID: F3606.RR

Level: (low/med) LOW Date Samp/Recv: 07/31/2008 08/04/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	27	U R
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	16	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-7 (8-8.9)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936806

Sample wt/vol: 5.07 (g/mL) G Lab File ID: F3607.RR

Level: (low/med) LOW Date Samp/Recv: 07/31/2008 08/04/2008

% Moisture: not dec. 7 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	17	BJ UB J
71-43-2	Benzene	5	U R
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	9	J
56-23-5	Carbon Tetrachloride	5	U R
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	13	J

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-7 (8-8.9)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8936806

Sample wt/vol: 5.07 (g/mL) G Lab File ID: F3607.RR

Level: (low/med) LOW Date Samp/Recv: 07/31/2008 08/04/2008

% Moisture: not dec. 7 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	26	U R
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	16	U

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
ARCADIS	Jeff Bonstee1	08/01/08	087013
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 1
465 New Karner Rd.	518 452 7826 / 518 452 4398		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12205		Candace Fox	
Project Name and Location (State)	**Carrier/Waybill Number**		
LMC-Utica, Utica, NY			
Contract/Purchase Order/Quote No.			
NJ000630.0001.0002A			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis (Attach list if more space is needed): TCL VOAs	Special Instructions/ Conditions of Receipt
IB-5 (1.3-1.7)	07/29/08	2000				X	1						1	
IB-5 (6-8)	07/29/08	2030				X	1						1	
IB-6 (2-2.4)	07/30/08	1800				X	1						1	
IB-6 (8-8.9)	07/30/08	2000				X	1						1	
IB-7 (4-4.4)	07/31/08	2130				X	1						1	
IB-7 (8-8.9)	07/31/08	2135				X	1						1	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For Std. Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other Std.

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	08/01/08	1200	1. Received By	8/4/08	0920
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

16.5°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

20/20

ARCADIS
Infrastructure, environment, facilities

Imagine the result

Lockheed Martin-Utica

Data Usability Summary Report

UTICA, NEW YORK

Volatiles

SDG A08-9195

Analyses Performed By:
TestAmerica Laboratories
Amherst, New York

Report: #9823R
Project: NJ000642.0001.00001

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) #A08-9195 for samples collected in association with the Lockheed Martin Corporation Utica, New York Site. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
					VOC	SVOC	PEST/ PCB	MET	MISC
FB-072908	A89195904	Water	07/29/2008		X				
MW-11	A89195907	Water	07/29/2008		X				
MW-14BR	A89195902	Water	07/29/2008		X				
MW-14S	A89195901	Water	07/29/2008		X				
MW-15BR	A89195905	Water	07/29/2008		X				
MW-15S	A89195906	Water	07/29/2008		X				
MW-7	A89195903	Water	07/29/2008		X				
PZ-2	A89195908	Water	07/29/2008		X				
Trip Blank	A89195909	Water	07/29/2008		X				

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X	X		
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X	X		
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

QA - Quality Assurance

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260B. Data was reviewed in accordance with USEPA National Functional Guidelines of October 1999 and January 2005.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

  U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

  B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

- Quantitation (Q) Qualifiers

  E The compound was quantitated above the calibration range.

  D Concentration is based on a diluted sample analysis.

- Validation Qualifiers

  J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

  UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

  JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.

  UB Compound considered non-detect at the listed value due to associated blank contamination.

  N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.

  R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260B	Water	14 days from collection to analysis	Cooled @ 4 °C; preserved to a pH of less than 2 s.u.

s.u. Standard units

The analyses that exceeded the holding are presented in the following table.

Sample Locations	Holding Time	Criteria
MW-7 PZ-2	Analysis Completed	7 days if pH>2

Sample results associated with sample locations analyzed by analytical method SW-846 8260 were qualified, as specified in the table below. All other holding times were met.

Criteria	Qualification	
	Detected Analytes	Non-detect Analytes
Analysis completed less than two times holding time	J	UJ

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of

acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (15%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample Locations	Initial/Continuing	Compound	Criteria
MW-14S MW-14BR MW-7 MW-15BR MW-15S MW-11 PZ-2	CCV %D	Dichlorodifluoromethane	21.5%
		Methylene Chloride	22.8%
		1,1,2-Trichoro-1,2,2-trofluoroethane	20.1%
FB-072908 Trip Blank	CCV %D	Bromomethane	-22.1%
		Methylene Chloride	38.0%
		Acetone	24.3%
		Carbon Disulfide	20.1%
		Dichlorodifluoromethane	26.2%
		Methyl acetate	34.5%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01[1]	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01[1]	Non-detect	No Action
		Detect	

Initial/Continuing	Criteria	Sample Result	Qualification
Initial Calibration	%RSD > 15% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
Continuing Calibration	%D >20% (increase in sensitivity)	Non-detect	No Action
		Detect	J
	%D >20% (decrease in sensitivity)	Non-detect	UJ
		Detect	J

[1] RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e., ketenes, 1,4-dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria requires the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD was not performed on a sample location associated with this SDG.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 50% for water matrices and 100% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

A field duplicate was not performed on a sample location associated with this SDG.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 1311/8260B	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X	X		
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks					X
C. Trip blanks		X		X	
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate(LCSD)					X
LCS/LCSD Precision (RPD)					X
Matrix Spike (MS)					X
Matrix Spike Duplicate(MSD)					X
MS/MSD Precision (RPD)					X
Field/Lab Duplicate (%D)					X
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X	X		
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

%RSD Percent relative difference
%R Percent recovery
RPD Relative percent difference
%D Percent difference

SAMPLE COMPLIANCE REPORT

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]					Noncompliance
					VOC	SVOC	PCB/PEST	MET	MISC	
A89195904	07/29/2008	SW-846	FB-072908	Water	No	--	--	--	--	VOC-CCV%D
A89195907	07/29/2008	SW-846	MW-11	Water	No	--	--	--	--	VOC-CCV%D
A89195902	07/29/2008	SW-846	MW-14BR	Water	No	--	--	--	--	VOC-CCV%D
A89195901	07/29/2008	SW-846	MW-14S	Water	No	--	--	--	--	VOC-CCV%D
A89195905	07/29/2008	SW-846	MW-15BR	Water	No	--	--	--	--	VOC-CCV%D
A89195906	07/29/2008	SW-846	MW-15S	Water	No	--	--	--	--	VOC-CCV%D
A89195903	07/29/2008	SW-846	MW-7	Water	No	--	--	--	--	VOC-CCV%D, Hold time
A89195908	07/29/2008	SW-846	PZ-2	Water	No	--	--	--	--	VOC-CCV%D, Hold time
A89195909	07/29/2008	SW-846	Trip Blank	Water	No	--	--	--	--	VOC-CCV%D

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Mary Ann Doyle

SIGNATURE: 

DATE: 2/26/09

PEER REVIEW: Dennis Capria

DATE: March 4, 2009

CHAIN OF CUSTODY/
CORRECTED SAMPLE ANALYSIS DATA SHEETS

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

FB-072908

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919504

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6608.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/09/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	UJ
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

FB-072908

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919504

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6608.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/09/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-11

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919507

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8223.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-11

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919507

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8223.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14BR

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919502

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8219.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 8.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	2100	
71-43-2	Benzene	40	U
75-27-4	Bromodichloromethane	40	U
75-25-2	Bromoform	40	U
74-83-9	Bromomethane	40	U
78-93-3	2-Butanone	200	U
75-15-0	Carbon Disulfide	40	U
56-23-5	Carbon Tetrachloride	40	U
108-90-7	Chlorobenzene	40	U
75-00-3	Chloroethane	40	U
67-66-3	Chloroform	14	J
74-87-3	Chloromethane	40	U
110-82-7	Cyclohexane	40	U
106-93-4	1,2-Dibromoethane	40	U
124-48-1	Dibromochloromethane	40	U
96-12-8	1,2-Dibromo-3-chloropropane	40	U
95-50-1	1,2-Dichlorobenzene	40	U
541-73-1	1,3-Dichlorobenzene	40	U
106-46-7	1,4-Dichlorobenzene	40	U
75-71-8	Dichlorodifluoromethane	40	U
75-34-3	1,1-Dichloroethane	40	U
107-06-2	1,2-Dichloroethane	40	U
75-35-4	1,1-Dichloroethene	40	U
156-59-2	cis-1,2-Dichloroethene	40	U
156-60-5	trans-1,2-Dichloroethene	40	U
78-87-5	1,2-Dichloropropane	40	U
10061-01-5	cis-1,3-Dichloropropene	40	U
10061-02-6	trans-1,3-Dichloropropene	40	U
100-41-4	Ethylbenzene	40	U
591-78-6	2-Hexanone	200	U
98-82-8	Isopropylbenzene	40	U
79-20-9	Methyl acetate	40	U
108-87-2	Methylcyclohexane	40	U
75-09-2	Methylene chloride	40	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14BR

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919502

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8219.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 8.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	200	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	40	U
100-42-5	Styrene	40	U
79-34-5	1,1,2,2-Tetrachloroethane	40	U
127-18-4	Tetrachloroethene	40	U
108-88-3	Toluene	40	U
120-82-1	1,2,4-Trichlorobenzene	40	U
71-55-6	1,1,1-Trichloroethane	40	U
79-00-5	1,1,2-Trichloroethane	40	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	40	U
75-69-4	Trichlorofluoromethane	40	U
79-01-6	Trichloroethene	40	U
75-01-4	Vinyl chloride	40	U
1330-20-7	Total Xylenes	120	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: MW-14S

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919501

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8218.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	2.3	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U J
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	0.26	J
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	2.2	J
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-14S

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919501

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8218.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-15BR

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919505

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8221.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	6.0	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	0.30	J
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	11	
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-15BR

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919505

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8221.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: MW-15S

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919506

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8222.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	1.3	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	4.3	J
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: MW-15S

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919506

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8222.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-7

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919503

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8220.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	4.4	J
71-43-2	Benzene	5.0	U J
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
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Client No.

MW-7

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919503

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8220.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	0.68	J
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-2

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919508

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8224.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	17	J
71-43-2	Benzene	5.0	U J
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	2.6	J
75-15-0	Carbon Disulfide	5.0	U J
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.: PZ-2

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919508

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: G8224.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/10/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U J
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	0.43	J
108-88-3	Toluene	5.0	U J
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919509

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6612.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/09/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U J
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8919509

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: S6612.RR

Level: (low/med) LOW Date Samp/Recv: 07/29/2008 07/30/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/09/2008

GC Column: ZB-624 ID: 0.18 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Custody Seal #'s
193823
193813

TAL-4142 (0907)

Client	Project Manager	Date	Chain of Custody Number
Arcadis	Chris Motta / Jeff Bonsteel	7-29-08	391003
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
1 International Dr	201-684-1413	716-504-9944	
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Mahwah NJ	Chris Lapcus	Candy Fox	
Project Name and Location (State)	**Carrier/Waybill Number**		
Lockheed Martin, Utica, NY			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: 8260 TCL VOC	Special Instructions/ Conditions of Receipt
Trip Blank	7-24-08	—		1						1			X	
MW-14S	7-29-08	1040		3						3			X	
MW-14BR	7-29-08	1050		3						3			X	
MW-7	7-29-08	1138		3						3			X	
FB-072908	7-29-08	1200		2						2			X	
MW-15BR	7-29-08	1205		3						3			X	
MW-15S	7-29-08	1215		3						3			X	
MW-11	7-29-08	1401		3						3			X	
PZ-2*	7-29-08	1515		3						3			X	*Sample material reached w/ preservative, unable to achieve 0 head space.

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☑ Other Standard

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	7-29-08	1655	1. Received By	7/30/08	0915
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

2@2.0°C

6/241

ARCADIS
Infrastructure, environment, facilities

Imagine the result

Lockheed Martin-Utica

Data Usability Summary Report

UTICA, NEW YORK

Volatiles

SDG A08-6293

Analyses Performed By:
TestAmerica Laboratories
Amherst, New York

Report: #9824R
Project: NJ000642.0001.00001

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) #A08-6293 for samples collected in association with the Lockheed Martin Corporation Utica, New York Site. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
					VOC	SVOC	PEST/ PCB	MET	MISC
MW-15 (14-16)	A8629302	Soil	06/02/2008		X				
MW-15 (22-24)	A8629303	Soil	06/02/2008		X				
MW-15 (52-52.3)	A8936804	Soil	06/02/2008		X				
MW-15 (8-10)	A8936801	Soil	06/02/2008		X				

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

QA - Quality Assurance

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260B. Data was reviewed in accordance with USEPA National Functional Guidelines of October 1999 and January 2005.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

  U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

  B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

- Quantitation (Q) Qualifiers

  E The compound was quantitated above the calibration range.

  D Concentration is based on a diluted sample analysis.

- Validation Qualifiers

  J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

  UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

  JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.

  UB Compound considered non-detect at the listed value due to associated blank contamination.

  N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.

  R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260B	Soil	48 hours from collection to extraction and 14 days from extraction to analysis	Cooled @ 4 °C.

s.u. Standard units

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (15%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample Locations	Initial/Continuing	Compound	Criteria
MW-15 (14-16) MW-15 (22-24) MW-15 (52-52.3) MW-15 (8-10)	CCV %D	Methyl acetate	-40.1%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01[1]	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01[1]	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 15% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
Continuing Calibration	%D >20% (increase in sensitivity)	Non-detect	No Action
		Detect	J
	%D >20% (decrease in sensitivity)	Non-detect	UJ
		Detect	J

[1] RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e., ketenes, 1,4-dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria requires the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD was not performed on a sample location associated with this SDG.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 50% for water matrices and 100% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

A field duplicate was not performed on a sample location associated with this SDG.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 1311/8260B	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks					X
C. Trip blanks					X
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate(LCSD)					X
LCS/LCSD Precision (RPD)					X
Matrix Spike (MS)					X
Matrix Spike Duplicate(MSD)					X
MS/MSD Precision (RPD)					X
Field/Lab Duplicate (%D)					X
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X	X		
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

%RSD Percent relative difference
%R Percent recovery
RPD Relative percent difference
%D Percent difference

SAMPLE COMPLIANCE REPORT

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]					Noncompliance
					VOC	SVOC	PCB/PEST	MET	MISC	
A8629302	06/02/2008	SW-846	MW-15 (14-16)	Soil	No	--	--	--	--	VOC-CCV%D
A8629303	06/02/2008	SW-846	MW-15 (22-24)	Soil	No	--	--	--	--	VOC-CCV%D
A8936804	06/02/2008	SW-846	MW-15 (52-52.3)	Soil	No	--	--	--	--	VOC-CCV%D
A8936801	06/02/2008	SW-846	MW-15 (8-10)	Soil	No	--	--	--	--	VOC-CCV%D

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Mary Ann Doyle

SIGNATURE: 

DATE: 2/26/09

PEER REVIEW: Dennis Capria

DATE: March 5, 2009

CHAIN OF CUSTODY/
CORRECTED SAMPLE ANALYSIS DATA SHEETS

98248

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-15 (14-16')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8629302

Sample wt/vol: 5.09 (g/mL) G Lab File ID: F2397.RR

Level: (low/med) LOW Date Samp/Recv: 06/02/2008 06/04/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 06/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	11	J
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	27	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	1	J
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	27	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	UJ
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-15 (14-16')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8629302

Sample wt/vol: 5.09 (g/mL) G Lab File ID: F2397.RR

Level: (low/med) LOW Date Samp/Recv: 06/02/2008 06/04/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 06/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	27	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	16	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-15 (22-24')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8629303

Sample wt/vol: 5.19 (g/mL) G Lab File ID: F2398.RR

Level: (low/med) LOW Date Samp/Recv: 06/02/2008 06/04/2008

% Moisture: not dec. 10 Heated Purge: Y Date Analyzed: 06/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	13	J
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	27	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	27	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U J
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	7	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-15 (22-24')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8629303

Sample wt/vol: 5.19 (g/mL) G Lab File ID: F2398.RR

Level: (low/med) LOW Date Samp/Recv: 06/02/2008 06/04/2008

% Moisture: not dec. 10 Heated Purge: Y Date Analyzed: 06/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	27	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	16	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-15 (52-52.3)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8629304

Sample wt/vol: 5.03 (g/mL) G Lab File ID: F2399.RR

Level: (low/med) LOW Date Samp/Recv: 06/02/2008 06/04/2008

% Moisture: not dec. 8 Heated Purge: Y Date Analyzed: 06/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	15	J
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	27	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	27	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	UJ
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	9	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-15 (52-52.3)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8629304

Sample wt/vol: 5.03 (g/mL) G Lab File ID: F2399.RR

Level: (low/med) LOW Date Samp/Recv: 06/02/2008 06/04/2008

% Moisture: not dec. 8 Heated Purge: Y Date Analyzed: 06/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	27	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Total Xylenes	16	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-15 (8-10')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8629301

Sample wt/vol: 5.06 (g/mL) G Lab File ID: F2396.RR

Level: (low/med) LOW Date Samp/Recv: 06/02/2008 06/04/2008

% Moisture: not dec. 5 Heated Purge: Y Date Analyzed: 06/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	31	
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U J
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	6	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

MW-15 (8-10')

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8629301

Sample wt/vol: 5.06 (g/mL) G Lab File ID: F2396.RR

Level: (low/med) LOW Date Samp/Recv: 06/02/2008 06/04/2008

% Moisture: not dec. 5 Heated Purge: Y Date Analyzed: 06/06/2008

GC Column: ZB-624 ID: 0.20 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	26	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	16	U

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
ARCADIS	Jeff Bonsteel	6/3/08	083452
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
465 New Karner Rd.	(518) 452-7826 / (518) 452-4398		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12205			
Project Name and Location (State)	**Carrier/Waybill Number**		
LOCKHEED MARTIN: Utica			
Contract/Purchase Order/Quote No.			
NJ000361.0001			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: TCL VOAs	M, 8260	Special Instructions/ Conditions of Receipt
MW-15 (8-10')	06/02/08	800				X	1						1		
MW-15 (14-16')	06/02/08	930				X	1						1		
MW-15 (22-24')	06/02/08	1030				X	1						1		
MW-15 (52-52.3)	06/03/08	1130				X	1						1		

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	06/03/08	1330	1. Received By	6/4/08	0945
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

4. 0°

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/132 17/17

ARCADIS
Infrastructure, environment, facilities

Imagine the result

Lockheed Martin-Utica

Data Usability Summary Report

UTICA, NEW YORK

Volatiles

SDG A08-9188

Analyses Performed By:
TestAmerica Laboratories
Amherst, New York

Report: #9825R
Project: NJ000642.0001.00001

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) #A08-9188 for samples collected in association with the Lockheed Martin Corporation Utica, New York Site. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
					VOC	SVOC	PEST/ PCB	MET	MISC
IB-3 (16-16.2)	A8918802	Soil	07/25/2008		X				
IB-3 (8-10)	A8918801	Soil	07/25/2008		X				
IB-4 (2-2.4)	A8918803	Soil	07/28/2008		X				
IB-4 (6-6.8)	A8918804	Soil	07/28/2008		X				

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

QA - Quality Assurance

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260B. Data was reviewed in accordance with USEPA National Functional Guidelines of October 1999 and January 2005.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

  U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

  B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

- Quantitation (Q) Qualifiers

  E The compound was quantitated above the calibration range.

  D Concentration is based on a diluted sample analysis.

- Validation Qualifiers

  J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

  UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

  JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.

  UB Compound considered non-detect at the listed value due to associated blank contamination.

  N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.

  R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260B	Soil	48 hours from collection to extraction and 14 days from extraction to analysis	Cooled @ 4 °C.

s.u. Standard units

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (15%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria requires the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD was not performed on a sample location associated with this SDG.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 50% for water matrices and 100% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

A field duplicate was not performed on a sample location associated with this SDG.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 1311/8260B	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks					X
C. Trip blanks					X
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate(LCSD)					X
LCS/LCSD Precision (RPD)					X
Matrix Spike (MS)					X
Matrix Spike Duplicate(MSD)					X
MS/MSD Precision (RPD)					X
Field/Lab Duplicate (%D)					X
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X		X	
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

%RSD Percent relative difference
%R Percent recovery
RPD Relative percent difference
%D Percent difference

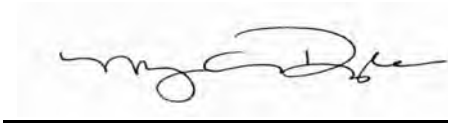
SAMPLE COMPLIANCE REPORT

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]					Noncompliance
					VOC	SVOC	PCB/PEST	MET	MISC	
A8918802	07/25/2008	SW-846	IB-3 (16-16.2)	Soil	YES	--	--	--	--	
A8918801	07/25/2008	SW-846	IB-3 (8-10)	Soil	YES	--	--	--	--	
A8918803	07/28/2008	SW-846	IB-4 (2-2.4)	Soil	YES	--	--	--	--	
A8918804	07/28/2008	SW-846	IB-4 (6-6.8)	Soil	YES	--	--	--	--	

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Mary Ann Doyle

SIGNATURE: 

DATE: 3/3/2009

PEER REVIEW: Dennis Capria

DATE: March 5, 2009

CHAIN OF CUSTODY/
CORRECTED SAMPLE ANALYSIS DATA SHEETS

9825R

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-3 (16-16.2)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918802

Sample wt/vol: 5.37 (g/mL) G Lab File ID: F3563.RR

Level: (low/med) LOW Date Samp/Recv: 07/25/2008 07/30/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	12	J
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	26	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	26	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-3 (16-16.2)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918802

Sample wt/vol: 5.37 (g/mL) G Lab File ID: F3563.RR

Level: (low/med) LOW Date Samp/Recv: 07/25/2008 07/30/2008

% Moisture: not dec. 9 Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	26	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	5	U
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-3 (8-10)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918801

Sample wt/vol: 5.06 (g/mL) G Lab File ID: F3562.RR

Level: (low/med) LOW Date Samp/Recv: 07/25/2008 07/30/2008

% Moisture: not dec. 30 Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	37	
71-43-2	Benzene	7	U
75-27-4	Bromodichloromethane	7	U
75-25-2	Bromoform	7	U
74-83-9	Bromomethane	7	U
78-93-3	2-Butanone	35	U
75-15-0	Carbon Disulfide	2	J
56-23-5	Carbon Tetrachloride	7	U
108-90-7	Chlorobenzene	7	U
75-00-3	Chloroethane	7	U
67-66-3	Chloroform	7	U
74-87-3	Chloromethane	7	U
110-82-7	Cyclohexane	7	U
106-93-4	1,2-Dibromoethane	7	U
124-48-1	Dibromochloromethane	7	U
96-12-8	1,2-Dibromo-3-chloropropane	7	U
95-50-1	1,2-Dichlorobenzene	7	U
541-73-1	1,3-Dichlorobenzene	7	U
106-46-7	1,4-Dichlorobenzene	7	U
75-71-8	Dichlorodifluoromethane	7	U
75-34-3	1,1-Dichloroethane	7	U
107-06-2	1,2-Dichloroethane	7	U
75-35-4	1,1-Dichloroethene	7	U
156-59-2	cis-1,2-Dichloroethene	7	U
156-60-5	trans-1,2-Dichloroethene	7	U
78-87-5	1,2-Dichloropropane	7	U
10061-01-5	cis-1,3-Dichloropropene	7	U
10061-02-6	trans-1,3-Dichloropropene	7	U
100-41-4	Ethylbenzene	7	U
591-78-6	2-Hexanone	35	U
98-82-8	Isopropylbenzene	7	U
79-20-9	Methyl acetate	7	U
108-87-2	Methylcyclohexane	7	U
75-09-2	Methylene chloride	14	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-3 (8-10)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918801

Sample wt/vol: 5.06 (g/mL) G Lab File ID: F3562.RR

Level: (low/med) LOW Date Samp/Recv: 07/25/2008 07/30/2008

% Moisture: not dec. 30 Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	35	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	7	U
100-42-5	Styrene	7	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U
127-18-4	Tetrachloroethene	22	
108-88-3	Toluene	7	U
120-82-1	1,2,4-Trichlorobenzene	7	U
71-55-6	1,1,1-Trichloroethane	7	U
79-00-5	1,1,2-Trichloroethane	7	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	7	U
75-69-4	Trichlorofluoromethane	7	U
79-01-6	Trichloroethene	7	U
75-01-4	Vinyl chloride	14	U
1330-20-7	Total Xylenes	21	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-4 (2-2.4)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918803

Sample wt/vol: 5.06 (g/mL) G Lab File ID: F3564.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2008 07/30/2008

% Moisture: not dec. 22 Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	22	J
71-43-2	Benzene	6	U
75-27-4	Bromodichloromethane	6	U
75-25-2	Bromoform	6	U
74-83-9	Bromomethane	6	U
78-93-3	2-Butanone	32	U
75-15-0	Carbon Disulfide	6	U
56-23-5	Carbon Tetrachloride	6	U
108-90-7	Chlorobenzene	6	U
75-00-3	Chloroethane	6	U
67-66-3	Chloroform	6	U
74-87-3	Chloromethane	6	U
110-82-7	Cyclohexane	6	U
106-93-4	1,2-Dibromoethane	6	U
124-48-1	Dibromochloromethane	6	U
96-12-8	1,2-Dibromo-3-chloropropane	6	U
95-50-1	1,2-Dichlorobenzene	6	U
541-73-1	1,3-Dichlorobenzene	6	U
106-46-7	1,4-Dichlorobenzene	6	U
75-71-8	Dichlorodifluoromethane	6	U
75-34-3	1,1-Dichloroethane	6	U
107-06-2	1,2-Dichloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
156-60-5	trans-1,2-Dichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
100-41-4	Ethylbenzene	6	U
591-78-6	2-Hexanone	32	U
98-82-8	Isopropylbenzene	6	U
79-20-9	Methyl acetate	6	U
108-87-2	Methylcyclohexane	6	U
75-09-2	Methylene chloride	6	

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-4 (2-2.4)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918803

Sample wt/vol: 5.06 (g/mL) G Lab File ID: F3564.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2008 07/30/2008

% Moisture: not dec. 22 Heated Purge: Y Date Analyzed: 08/05/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	32	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	6	U
100-42-5	Styrene	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U
127-18-4	Tetrachloroethene	6	U
108-88-3	Toluene	6	U
120-82-1	1,2,4-Trichlorobenzene	6	U
71-55-6	1,1,1-Trichloroethane	6	U
79-00-5	1,1,2-Trichloroethane	6	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	6	U
75-69-4	Trichlorofluoromethane	6	U
79-01-6	Trichloroethene	6	U
75-01-4	Vinyl chloride	13	U
1330-20-7	Total Xylenes	19	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-4 (6-6.8)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918804

Sample wt/vol: 5.22 (g/mL) G Lab File ID: F3618.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2008 07/30/2008

% Moisture: not dec. 4 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
67-64-1	Acetone	18	J
71-43-2	Benzene	5	U
75-27-4	Bromodichloromethane	5	U
75-25-2	Bromoform	5	U
74-83-9	Bromomethane	5	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5	U
56-23-5	Carbon Tetrachloride	5	U
108-90-7	Chlorobenzene	5	U
75-00-3	Chloroethane	5	U
67-66-3	Chloroform	5	U
74-87-3	Chloromethane	5	U
110-82-7	Cyclohexane	5	U
106-93-4	1,2-Dibromoethane	5	U
124-48-1	Dibromochloromethane	5	U
96-12-8	1,2-Dibromo-3-chloropropane	5	U
95-50-1	1,2-Dichlorobenzene	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
75-71-8	Dichlorodifluoromethane	5	U
75-34-3	1,1-Dichloroethane	5	U
107-06-2	1,2-Dichloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
156-59-2	cis-1,2-Dichloroethene	1	J
156-60-5	trans-1,2-Dichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
100-41-4	Ethylbenzene	5	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5	U
79-20-9	Methyl acetate	5	U
108-87-2	Methylcyclohexane	5	U
75-09-2	Methylene chloride	5	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

IB-4 (6-6.8)

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) SOIL Lab Sample ID: A8918804

Sample wt/vol: 5.22 (g/mL) G Lab File ID: F3618.RR

Level: (low/med) LOW Date Samp/Recv: 07/28/2008 07/30/2008

% Moisture: not dec. 4 Heated Purge: Y Date Analyzed: 08/06/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5	U
100-42-5	Styrene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
127-18-4	Tetrachloroethene	20	
108-88-3	Toluene	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
71-55-6	1,1,1-Trichloroethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5	U
75-69-4	Trichlorofluoromethane	5	U
79-01-6	Trichloroethene	5	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Total Xylenes	15	U

Chain of Custody Record

86648

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

AL-4124 (1007)

Client: ARCADIS	Project Manager: Jeff Bonstell	Date: 07/29/08	Chain of Custody Number: 087012
Address: 465 New Karner Rd.	Telephone Number (Area Code)/Fax Number: 518 452 7826 / 518 452 4398	Lab Number:	Page 1 of 1
City: Albany; State: NY; Zip Code: 12205	Site Contact:	Lab Contact: Candace Fox	
Project Name and Location (State): LNC - Utica, Utica, NY	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: NJ000360.0001.0002A			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis (Attach list if more space is needed): TCL VOAs	Special Instructions/ Conditions of Receipt
IB-3 (8-10)	07/25/08	1930				X	1						1	
IB-3 (16-16.2')	07/25/08	2000				X	1						1	
IB-4 (2-2.4')	07/28/08	2000				X	1						1	
IB-4 (6-6.8')	07/28/08	2030				X	1						1	

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For Std. Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other Std.

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	07/29/08	1200	1. Received By: BOL	7/30/08	0915
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

2 @ 2.0°C

5/153

18/18

ARCADIS
Infrastructure, environment, facilities

Imagine the result

Lockheed Martin-Utica

Data Usability Summary Report

UTICA, NEW YORK

Volatiles

SDG A08-9621

Analyses Performed By:
TestAmerica Laboratories
Amherst, New York

Report: #9826R
Project: NJ000642.0001.00001

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) #A08-9621 for samples collected in association with the Lockheed Martin Corporation Utica, New York Site. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
					VOC	SVOC	PEST/ PCB	MET	MISC
DUP-1 080608	A8962107	Water	08/06/2008	PZ-7	X				
PZ-10	A8962105	Water	08/06/2008		X				
PZ-5	A8962102	Water	08/06/2008		X				
PZ-6	A8962103	Water	08/06/2008		X				
PZ-7	A8962104	Water	08/06/2008		X				
PZ-8	A8962101	Water	08/06/2008		X				
PZ-9	A8962106	Water	08/06/2008		X				
Trip Blank	A8962108	Water	08/06/2008		X				

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X	X		
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X	X		
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

QA - Quality Assurance

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260B. Data was reviewed in accordance with USEPA National Functional Guidelines of October 1999 and January 2005.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

  U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

  B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

- Quantitation (Q) Qualifiers

  E The compound was quantitated above the calibration range.

  D Concentration is based on a diluted sample analysis.

- Validation Qualifiers

  J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

  UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

  JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.

  UB Compound considered non-detect at the listed value due to associated blank contamination.

  N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.

  R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260B	Water	14 days from collection to analysis	Cooled @ 4 °C; preserved to a pH of less than 2 s.u.

s.u. Standard units

The analyses that exceeded the holding are presented in the following table.

Sample Locations	Holding Time	Criteria
PZ-5 PZ-6 PZ-8	Analysis Completed in 9 days	7 days if pH>2

Sample results associated with sample locations analyzed by analytical method SW-846 8260 were qualified, as specified in the table below. All other holding times were met.

Criteria	Qualification	
	Detected Analytes	Non-detect Analytes
Analysis completed less than two times holding time	J	UJ

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (15%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample Locations	Initial/Continuing	Compound	Criteria
DUP-1 080608 PZ-10 PZ-5 PZ-6 PZ-7 PZ-8 PZ-9 Trip Blank	CCV %D	Bromomethane	20.1%
		Methylene Chloride	22.1%
		1,1,2-Trichoro-1,2,2-trifluoroethane	-23.8%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01[1]	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01[1]	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 15% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
Continuing Calibration	%D >20% (increase in sensitivity)	Non-detect	No Action

Initial/Continuing	Criteria	Sample Result	Qualification
		Detect	J
	%D >20% (decrease in sensitivity)	Non-detect	UJ
		Detect	J

[1] RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e., ketenes, 1,4-dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria requires the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD was not performed on a sample location associated with this SDG.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 50% for water matrices and 100% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

Results for duplicate samples are summarized in the following table.

Sample ID/Duplicate ID	Compound	Sample Result	Duplicate Result	RPD
PZ-7/DUP-1 080608	Acetone	32	33	AC

AC Acceptable
NC Not compliant
ND Not detected

The calculated RPDs between the parent sample and field duplicate were acceptable.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 1311/8260B	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X	X		
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks					X
C. Trip blanks		X		X	
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate(LCSD)					X
LCS/LCSD Precision (RPD)					X
Matrix Spike (MS)					X
Matrix Spike Duplicate(MSD)					X
MS/MSD Precision (RPD)					X
Field/Lab Duplicate (%D)		X		X	
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content		X		X	
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X	X		
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

%RSD Percent relative difference
%R Percent recovery
RPD Relative percent difference
%D Percent difference

SAMPLE COMPLIANCE REPORT

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]					Noncompliance
					VOC	SVOC	PCB/PEST	MET	MISC	
A8962107	08/06/2008	SW-846	DUP-1 080608	Water	No	--	--	--	--	VOC-CCV%D
A8962105	08/06/2008	SW-846	PZ-10	Water	No	--	--	--	--	VOC-CCV%D
A8962102	08/06/2008	SW-846	PZ-5	Water	No	--	--	--	--	VOC-CCV%D, Hold time
A8962103	08/06/2008	SW-846	PZ-6	Water	No	--	--	--	--	VOC-CCV%D, Hold time
A8962104	08/06/2008	SW-846	PZ-7	Water	No	--	--	--	--	VOC-CCV%D
A8962101	08/06/2008	SW-846	PZ-8	Water	No	--	--	--	--	VOC-CCV%D, Hold time
A8962106	08/06/2008	SW-846	PZ-9	Water	No	--	--	--	--	VOC-CCV%D
A8962108	08/06/2008	SW-846	Trip Blank	Water	No	--	--	--	--	VOC-CCV%D

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Mary Ann Doyle

SIGNATURE: 

DATE: 3/5/2009

PEER REVIEW: Dennis Capria

DATE: March 5, 2009

CHAIN OF CUSTODY/
CORRECTED SAMPLE ANALYSIS DATA SHEETS

9826R

METHOD 8260 - TCL VOLATILE ORGANICS ANALYSIS DATA SHEET

6/183

Client No.

DUP-1 080608

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962107

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0410.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
67-64-1	Acetone	32	
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	0.91	J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

DUP-1 080608

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962107

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0410.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	1.1	J
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	UJ
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	1.0	J
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-10

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962105

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0408.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	26	
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	2.7	J
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-10

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962105

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0408.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	UJ
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

10/183

Client No.

PZ-5

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962102

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0405.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 4.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	41	J
71-43-2	Benzene	20	U
75-27-4	Bromodichloromethane	20	U
75-25-2	Bromoform	20	U
74-83-9	Bromomethane	20	U
78-93-3	2-Butanone	100	U
75-15-0	Carbon Disulfide	20	U
56-23-5	Carbon Tetrachloride	20	U
108-90-7	Chlorobenzene	20	U
75-00-3	Chloroethane	20	U
67-66-3	Chloroform	20	U
74-87-3	Chloromethane	20	U
110-82-7	Cyclohexane	20	U
106-93-4	1,2-Dibromoethane	20	U
124-48-1	Dibromochloromethane	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
75-71-8	Dichlorodifluoromethane	20	U
75-34-3	1,1-Dichloroethane	20	U
107-06-2	1,2-Dichloroethane	20	U
75-35-4	1,1-Dichloroethene	20	U
156-59-2	cis-1,2-Dichloroethene	26	J
156-60-5	trans-1,2-Dichloroethene	20	U
78-87-5	1,2-Dichloropropane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
100-41-4	Ethylbenzene	10	J
591-78-6	2-Hexanone	100	U
98-82-8	Isopropylbenzene	20	U
79-20-9	Methyl acetate	20	U
108-87-2	Methylcyclohexane	20	U
75-09-2	Methylene chloride	20	U

FORM I - GC/MS VOA

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

11/183

Client No.

PZ-5

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962102

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0405.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 4.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	100	U J
1634-04-4	Methyl-t-Butyl Ether (MTBE)	20	U
100-42-5	Styrene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
127-18-4	Tetrachloroethene	8.6	J
108-88-3	Toluene	20	U J
120-82-1	1,2,4-Trichlorobenzene	20	U
71-55-6	1,1,1-Trichloroethane	20	U
79-00-5	1,1,2-Trichloroethane	20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U J
75-69-4	Trichlorofluoromethane	20	U
79-01-6	Trichloroethene	9.5	J
75-01-4	Vinyl chloride	5.9	J
1330-20-7	Total Xylenes	34	J

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-6

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962103

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0406.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 4.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	45	J
71-43-2	Benzene	20	U J
75-27-4	Bromodichloromethane	20	U
75-25-2	Bromoform	20	U
74-83-9	Bromomethane	20	U
78-93-3	2-Butanone	100	U
75-15-0	Carbon Disulfide	20	U
56-23-5	Carbon Tetrachloride	20	U
108-90-7	Chlorobenzene	20	U
75-00-3	Chloroethane	20	U
67-66-3	Chloroform	20	U
74-87-3	Chloromethane	20	U
110-82-7	Cyclohexane	20	U
106-93-4	1,2-Dibromoethane	20	U
124-48-1	Dibromochloromethane	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
75-71-8	Dichlorodifluoromethane	20	U
75-34-3	1,1-Dichloroethane	20	U
107-06-2	1,2-Dichloroethane	20	U
75-35-4	1,1-Dichloroethene	20	U
156-59-2	cis-1,2-Dichloroethene	19	J
156-60-5	trans-1,2-Dichloroethene	20	U J
78-87-5	1,2-Dichloropropane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
100-41-4	Ethylbenzene	20	U
591-78-6	2-Hexanone	100	U
98-82-8	Isopropylbenzene	20	U
79-20-9	Methyl acetate	20	U
108-87-2	Methylcyclohexane	20	U
75-09-2	Methylene chloride	20	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-6

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962103

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0406.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 4.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	100	U J
1634-04-4	Methyl-t-Butyl Ether (MTBE)	20	U
100-42-5	Styrene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
127-18-4	Tetrachloroethene	14	J
108-88-3	Toluene	20	U J
120-82-1	1,2,4-Trichlorobenzene	20	U
71-55-6	1,1,1-Trichloroethane	20	U
79-00-5	1,1,2-Trichloroethane	20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U J
75-69-4	Trichlorofluoromethane	20	U
79-01-6	Trichloroethene	19	J
75-01-4	Vinyl chloride	9.6	J
1330-20-7	Total Xylenes	60	U J

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-7

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962104

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0407.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	33	
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	0.91	J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-7

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962104

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0407.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	1.1	J
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	UJ
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	0.94	J
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-8

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962101

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0404.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 4.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	770	J
71-43-2	Benzene	20	U
75-27-4	Bromodichloromethane	20	U
75-25-2	Bromoform	20	U
74-83-9	Bromomethane	20	U
78-93-3	2-Butanone	100	U
75-15-0	Carbon Disulfide	20	U
56-23-5	Carbon Tetrachloride	20	U
108-90-7	Chlorobenzene	20	U
75-00-3	Chloroethane	20	U
67-66-3	Chloroform	20	U
74-87-3	Chloromethane	20	U
110-82-7	Cyclohexane	20	U
106-93-4	1,2-Dibromoethane	20	U
124-48-1	Dibromochloromethane	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
95-50-1	1,2-Dichlorobenzene	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
75-71-8	Dichlorodifluoromethane	20	U
75-34-3	1,1-Dichloroethane	20	U
107-06-2	1,2-Dichloroethane	20	U
75-35-4	1,1-Dichloroethene	20	U
156-59-2	cis-1,2-Dichloroethene	1.8	J
156-60-5	trans-1,2-Dichloroethene	20	U
78-87-5	1,2-Dichloropropane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
10061-02-6	trans-1,3-Dichloropropene	20	U
100-41-4	Ethylbenzene	20	U
591-78-6	2-Hexanone	100	U
98-82-8	Isopropylbenzene	20	U
79-20-9	Methyl acetate	20	U
108-87-2	Methylcyclohexane	20	U
75-09-2	Methylene chloride	20	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

17/183

Client No.

PZ-8

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962101

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0404.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 4.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	100	U J
1634-04-4	Methyl-t-Butyl Ether (MTBE)	20	U
100-42-5	Styrene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
127-18-4	Tetrachloroethene	14	J
108-88-3	Toluene	20	U J
120-82-1	1,2,4-Trichlorobenzene	20	U
71-55-6	1,1,1-Trichloroethane	20	U
79-00-5	1,1,2-Trichloroethane	20	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U J
75-69-4	Trichlorofluoromethane	20	U J
79-01-6	Trichloroethene	4.1	J
75-01-4	Vinyl chloride	20	U J
1330-20-7	Total Xylenes	60	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-9

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962106

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0409.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	150	
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	2.6	J
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	0.40	J
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	3.0	J
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	1.5	J

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

PZ-9

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962106

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0409.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	UJ
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962108

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0411.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
67-64-1	Acetone	25	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	5.0	U
78-93-3	2-Butanone	25	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
110-82-7	Cyclohexane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
10061-02-6	trans-1,3-Dichloropropene	5.0	U
100-41-4	Ethylbenzene	5.0	U
591-78-6	2-Hexanone	25	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	5.0	U

METHOD 8260 - TCL VOLATILE ORGANICS
ANALYSIS DATA SHEET

Client No.

TRIP BLANK

Lab Name: TestAmerica Laboratories Inc. Contract: _____

Lab Code: RECNY Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: A8962108

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: P0411.RR

Level: (low/med) LOW Date Samp/Recv: 08/06/2008 08/08/2008

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 08/15/2008

GC Column: ZB-624 ID: 0.25 (mm) Dilution Factor: 1.00

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-10-1	4-Methyl-2-pentanone	25	U
1634-04-4	Methyl-t-Butyl Ether (MTBE)	5.0	U
100-42-5	Styrene	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
127-18-4	Tetrachloroethene	5.0	U
108-88-3	Toluene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	UJ
75-69-4	Trichlorofluoromethane	5.0	U
79-01-6	Trichloroethene	5.0	U
75-01-4	Vinyl chloride	5.0	U
1330-20-7	Total Xylenes	15	U

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: ARCADIS	Project Manager: Jeff Bonfiglio	Date: 08/06/08	Chain of Custody Number: 087015
Address: 465 New Karner Rd.	Telephone Number (Area Code)/Fax Number: 518 452 7826 / 518 452 4398	Lab Number:	Page 1 of 1
City: Albany / State: NY / Zip Code: 12205	Site Contact:	Lab Contact: Candy Fox	
Project Name and Location (State): LMC - Utica, Utica/NY	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: NJD000630.0001			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TCL VOAs 8260	
PZ-8	08/06/08	1110		X						2			2	
PZ-5		1135		X						2			2	
PZ-6		1200		X						1			1	5 day turnaround time! ☺
PZ-7		1220		X						2			2	
PZ-10		1250		X						2			2	
PZ-9		1320		X						2			2	
DUP-1 080608	↓	—		X						2			2	
Trip Blank	—	—		X						1			1	

Special Instructions/ Conditions of Receipt

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other 5 days

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	08/07/08	0945	1. Received By	8.8.08	0915
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments: 2.0°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

23/23

ARCADIS
Infrastructure, environment, facilities

Imagine the result

Lockheed Martin Corporation - Utica

Data Usability Summary Report

UTICA, NEW YORK

Volatile Analyses

SDG #A08-5917

Analyses Performed By:
TestAmerica Laboratories
Amherst, New York

Report #9889R
Review Level: Tier III
Project: NJ000642.0001.00001

SUMMARY

The following is an assessment of the data package for Sample Delivery Group (SDG) #A08-5917 for sampling from the Lockheed Martin Corporation, Utica Site. Included with this assessment are the corrected sample results, sample compliance report, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
					VOC	SVOC	PCB	MET	MISC
HP (15)	A85917-01	WATER	5/22/08		X				
HP (20)	A85917-02	WATER	5/23/08		X				
HP (25)	A85917-03	WATER	5/23/08		X				
HP (30)	A85917-04	WATER	5/23/08		X				
TRIP BLANK	A85917-05	WATER	--		X				

Note:

1. Due to the amount of sediment in the sample vials, volumes from two separate vials were combined for samples HP (15), HP (25) and HP (30).

INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846, Method 8260B. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999/January 2005 and USEPA Region II SOPs associated with USEPA SW-846 Volatile Organic Compounds by SW-846 Method 8260B(SOP HW-24 Revision 2, October 2006).

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

  U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

  B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

- Quantitation (Q) Qualifiers

  E The compound was quantitated above the calibration range.

  D Concentration is based on a diluted sample analysis.

- Validation Qualifiers

  J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

  UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

  JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.

  UB Compound considered non-detect at the listed value due to associated blank contamination.

  N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.

  R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260B	Water (un-preserved)	7 days from collection to analysis	Cooled @ 4 °C; preserved to a pH of less than 2 s.u.

s.u. Standard units

The analyses that exceeded the holding are presented in the following table.

All samples exhibited a pH>2 at the time of analysis, indicating HCL preservative was not in the sample vials as indicated on the chain-of-custody. Analysis was performed outside of the holding time requirement for un-preserved samples.

Sample Locations	Holding Time	Criteria
All samples	Analysis	12 & 11 Days

Sample results associated with sample locations analyzed by analytical method SW-846 8260 were qualified, as specified in the table below. All other holding times were met.

Criteria	Qualification	
	Detected Analytes	Non-detect Analytes
Analysis completed less than two times holding time	J	UJ
Analysis completed greater than two times holding time	J	R

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (15%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample Locations	Initial/Continuing	Compound	Criteria
All samples	ICV %RSD	Bromomethane	17.4%
		Methylene chloride	19.9%
	CCV %D	Methyl acetate	+38.1%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01[1]	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01[1]	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 15% or a correlation	Non-detect	UJ

Initial/Continuing	Criteria	Sample Result	Qualification
	coefficient <0.99	Detect	J
Continuing Calibration	%D >20% (increase in sensitivity)	Non-detect	No Action
		Detect	J
	%D >20% (decrease in sensitivity)	Non-detect	UJ
		Detect	J

[1] RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e., ketenes, 1,4-dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria requires the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

All internal standard responses were within control limits.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD was not preformed on any sample location associated with this SDG.

8. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 50% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

A field duplicate was not collected with any sample location associated with this SDG.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All detected compounds could not be confirmed because the laboratory did not provide the ion spectra with the laboratory report.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR VOCs

VOCs; SW-846 8260	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X	X		
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks					X
C. Trip blanks		X		X	
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate(LCSD)					X
LCS/LCSD Precision (RPD)					X
Matrix Spike (MS)					X
Matrix Spike Duplicate(MSD)					X
MS/MSD Precision (RPD)					X
Field/Lab Duplicate (%D)					X
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content					X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X	X		
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X	X		
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X		X	
Compound identification and quantitation					
A. Reconstructed ion chromatograms	X				
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	

VOCs; SW-846 8260	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
E. Reporting limits adjusted to reflect sample dilutions		X		X	

%RSD Percent relative difference
%R Percent recovery
RPD Relative percent difference
%D Percent difference

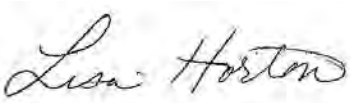
SAMPLE COMPLIANCE REPORT

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]					Noncompliance
					VOC	SVOC	PCB/PEST /HERB	MET	MISC	
A08-5917	5/22/08	SW-846 8260B	HP (15)	Water	No	--	--	--	--	VOC: HT, %RSD, %D
A08-5917	5/23/08	SW-846 8260B	HP (20)	Water	No	--	--	--	--	VOC: HT, %RSD, %D
A08-5917	5/23/08	SW-846 8260B	HP (25)	Water	No	--	--	--	--	VOC: HT, %RSD, %D
A08-5917	5/23/08	SW-846 8260B	HP (30)	Water	No	--	--	--	--	VOC: HT, %RSD, %D
A08-5917	--	SW-846 8260B	TRIP BLANK	Water	No	--	--	--	--	VOC: HT, %RSD, %D

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Lisa Horton

SIGNATURE: 

DATE: March 17, 2009

PEER REVIEW: Dennis Capria

DATE: April 15, 2009

CHAIN OF CUSTODY/
CORRECTED SAMPLE ANALYSIS DATA SHEETS

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
ARCADIS	Jeff Bonsteel	05/23/08	083453
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
465 New Karner Rd.	518 452 7826		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albany / NY / 12205		Candace Fox	
Project Name and Location (State)	**Carrier/Waybill Number**		
Lockheed Martine - Utica, NY			
Contract/Purchase Order/Quote No.			
N.1000631.0001			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TCL VOAs	M.8260	Special Instructions/ Conditions of Receipt
HP (15)	05/22/08	1550		✓				~~X~~		2			2		
HP (20)	05/23/08	0730		✓						2			2		
HP (25)	05/23/08	0910		✓						2			2		
HP (30)	05/23/08	1045		✓						2			2		
Trip Blank	—	—		✓						1			1		

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Matthew Mikly	05/23/08	1200	1. Received By	5/23/08	0850
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

2 oz

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

18/18

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: HP (15)
Lab Sample ID: A8591701
Date Collected: 05/22/2008
Time Collected: 15:50

Date Received: 05/24/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND	J	5.0	UG/L	8260	06/03/2008 17:04	LH
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
1,1-Dichloroethane	14		5.0	UG/L	8260	06/03/2008 17:04	LH
1,1-Dichloroethene	0.90	J	5.0	UG/L	8260	06/03/2008 17:04	LH
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
1,2-Dibromoethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
1,2-Dichloroethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
1,2-Dichloropropane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
2-Butanone	ND		25	UG/L	8260	06/03/2008 17:04	LH
2-Hexanone	ND		25	UG/L	8260	06/03/2008 17:04	LH
4-Methyl-2-pentanone	ND		25	UG/L	8260	06/03/2008 17:04	LH
Acetone	7.0	J	25	UG/L	8260	06/03/2008 17:04	LH
Benzene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Bromodichloromethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Bromoform	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Bromomethane	ND	J	5.0	UG/L	8260	06/03/2008 17:04	LH
Carbon Disulfide	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Carbon Tetrachloride	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Chlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Chloroethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Chloroform	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Chloromethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
cis-1,2-Dichloroethene	40		5.0	UG/L	8260	06/03/2008 17:04	LH
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Cyclohexane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Dibromochloromethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Dichlorodifluoromethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Ethylbenzene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Isopropylbenzene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Methyl acetate	ND	J	5.0	UG/L	8260	06/03/2008 17:04	LH
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Methylcyclohexane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Methylene chloride	ND	J	5.0	UG/L	8260	06/03/2008 17:04	LH
Styrene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Tetrachloroethene	9.2		5.0	UG/L	8260	06/03/2008 17:04	LH
Toluene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Total Xylenes	ND		15	UG/L	8260	06/03/2008 17:04	LH
trans-1,2-Dichloroethene	1.7	J	5.0	UG/L	8260	06/03/2008 17:04	LH
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Trichloroethene	28		5.0	UG/L	8260	06/03/2008 17:04	LH
Trichlorofluoromethane	ND		5.0	UG/L	8260	06/03/2008 17:04	LH
Vinyl chloride	20	J	5.0	UG/L	8260	06/03/2008 17:04	LH

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: HP (20)
Lab Sample ID: A8591702
Date Collected: 05/23/2008
Time Collected: 07:30

Date Received: 05/24/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND	J	5.0	UG/L	8260	06/03/2008 17:28	LH
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,1-Dichloroethane	4.7	J	5.0	UG/L	8260	06/03/2008 17:28	LH
1,1-Dichloroethene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,2-Dibromoethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,2-Dichloroethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,2-Dichloropropane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
2-Butanone	ND		25	UG/L	8260	06/03/2008 17:28	LH
2-Hexanone	ND		25	UG/L	8260	06/03/2008 17:28	LH
4-Methyl-2-pentanone	ND		25	UG/L	8260	06/03/2008 17:28	LH
Acetone	12	J	25	UG/L	8260	06/03/2008 17:28	LH
Benzene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Bromodichloromethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Bromoform	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Bromomethane	ND	J	5.0	UG/L	8260	06/03/2008 17:28	LH
Carbon Disulfide	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Carbon Tetrachloride	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Chlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Chloroethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Chloroform	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Chloromethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
cis-1,2-Dichloroethene	17		5.0	UG/L	8260	06/03/2008 17:28	LH
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Cyclohexane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Dibromochloromethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Dichlorodifluoromethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Ethylbenzene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Isopropylbenzene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Methyl acetate	ND	J	5.0	UG/L	8260	06/03/2008 17:28	LH
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Methylcyclohexane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Methylene chloride	ND	J	5.0	UG/L	8260	06/03/2008 17:28	LH
Styrene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Tetrachloroethene	4.9	J	5.0	UG/L	8260	06/03/2008 17:28	LH
Toluene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Total Xylenes	ND		15	UG/L	8260	06/03/2008 17:28	LH
trans-1,2-Dichloroethene	0.54	J	5.0	UG/L	8260	06/03/2008 17:28	LH
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Trichloroethene	16		5.0	UG/L	8260	06/03/2008 17:28	LH
Trichlorofluoromethane	ND		5.0	UG/L	8260	06/03/2008 17:28	LH
Vinyl chloride	14	J	5.0	UG/L	8260	06/03/2008 17:28	LH

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: HP (25)
Lab Sample ID: A8591703
Date Collected: 05/23/2008
Time Collected: 09:10

Date Received: 05/24/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND	J	5.0	UG/L	8260	06/03/2008 17:52	LH
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,1-Dichloroethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,1-Dichloroethene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,2-Dibromoethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,2-Dichloroethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,2-Dichloropropane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
2-Butanone	1.5	J	25	UG/L	8260	06/03/2008 17:52	LH
2-Hexanone	ND		25	UG/L	8260	06/03/2008 17:52	LH
4-Methyl-2-pentanone	ND		25	UG/L	8260	06/03/2008 17:52	LH
Acetone	10	J	25	UG/L	8260	06/03/2008 17:52	LH
Benzene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Bromodichloromethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Bromoform	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Bromomethane	ND	J	5.0	UG/L	8260	06/03/2008 17:52	LH
Carbon Disulfide	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Carbon Tetrachloride	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Chlorobenzene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Chloroethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Chloroform	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Chloromethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
cis-1,2-Dichloroethene	1.6	J	5.0	UG/L	8260	06/03/2008 17:52	LH
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Cyclohexane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Dibromochloromethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Dichlorodifluoromethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Ethylbenzene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Isopropylbenzene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Methyl acetate	ND	J	5.0	UG/L	8260	06/03/2008 17:52	LH
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Methylcyclohexane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Methylene chloride	ND	J	5.0	UG/L	8260	06/03/2008 17:52	LH
Styrene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Tetrachloroethene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Toluene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Total Xylenes	ND		15	UG/L	8260	06/03/2008 17:52	LH
trans-1,2-Dichloroethene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Trichloroethene	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Trichlorofluoromethane	ND		5.0	UG/L	8260	06/03/2008 17:52	LH
Vinyl chloride	1.8	J	5.0	UG/L	8260	06/03/2008 17:52	LH

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: HP (30)
Lab Sample ID: A8591704
Date Collected: 05/23/2008
Time Collected: 10:45

Date Received: 05/24/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND	J	5.0	UG/L	8260	06/03/2008 18:16	LH
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,1-Dichloroethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,1-Dichloroethene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,2-Dibromoethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,2-Dichloroethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,2-Dichloropropane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
2-Butanone	ND		25	UG/L	8260	06/03/2008 18:16	LH
2-Hexanone	ND		25	UG/L	8260	06/03/2008 18:16	LH
4-Methyl-2-pentanone	ND		25	UG/L	8260	06/03/2008 18:16	LH
Acetone	8.1	J	25	UG/L	8260	06/03/2008 18:16	LH
Benzene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Bromodichloromethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Bromoform	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Bromomethane	ND	J	5.0	UG/L	8260	06/03/2008 18:16	LH
Carbon Disulfide	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Carbon Tetrachloride	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Chlorobenzene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Chloroethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Chloroform	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Chloromethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
cis-1,2-Dichloroethene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Cyclohexane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Dibromochloromethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Dichlorodifluoromethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Ethylbenzene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Isopropylbenzene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Methyl acetate	ND	J	5.0	UG/L	8260	06/03/2008 18:16	LH
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Methylcyclohexane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Methylene chloride	ND	J	5.0	UG/L	8260	06/03/2008 18:16	LH
Styrene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Tetrachloroethene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Toluene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Total Xylenes	ND		15	UG/L	8260	06/03/2008 18:16	LH
trans-1,2-Dichloroethene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Trichloroethene	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Trichlorofluoromethane	ND		5.0	UG/L	8260	06/03/2008 18:16	LH
Vinyl chloride	ND	J	5.0	UG/L	8260	06/03/2008 18:16	LH

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: TRIP BLANK
Lab Sample ID: A8591705
Date Collected: 05/23/2008
Time Collected: 00:00

Date Received: 05/24/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
AQUEOUS-SW8463 8260 - TCL VOLATILES - 5 ML PU							
1,1,1-Trichloroethane	ND	J	5.0	UG/L	8260	06/03/2008 18:40	LH
1,1,2,2-Tetrachloroethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,1,2-Trichloroethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,1-Dichloroethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,1-Dichloroethene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,2,4-Trichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,2-Dibromo-3-chloropropane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,2-Dibromoethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,2-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,2-Dichloroethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,2-Dichloropropane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,3-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
1,4-Dichlorobenzene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
2-Butanone	ND		25	UG/L	8260	06/03/2008 18:40	LH
2-Hexanone	ND		25	UG/L	8260	06/03/2008 18:40	LH
4-Methyl-2-pentanone	ND		25	UG/L	8260	06/03/2008 18:40	LH
Acetone	ND		25	UG/L	8260	06/03/2008 18:40	LH
Benzene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Bromodichloromethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Bromoform	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Bromomethane	ND	J	5.0	UG/L	8260	06/03/2008 18:40	LH
Carbon Disulfide	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Carbon Tetrachloride	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Chlorobenzene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Chloroethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Chloroform	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Chloromethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
cis-1,2-Dichloroethene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
cis-1,3-Dichloropropene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Cyclohexane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Dibromochloromethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Dichlorodifluoromethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Ethylbenzene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Isopropylbenzene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Methyl acetate	ND	J	5.0	UG/L	8260	06/03/2008 18:40	LH
Methyl-t-Butyl Ether (MTBE)	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Methylcyclohexane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Methylene chloride	ND	J	5.0	UG/L	8260	06/03/2008 18:40	LH
Styrene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Tetrachloroethene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Toluene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Total Xylenes	ND		15	UG/L	8260	06/03/2008 18:40	LH
trans-1,2-Dichloroethene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
trans-1,3-Dichloropropene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Trichloroethene	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Trichlorofluoromethane	ND		5.0	UG/L	8260	06/03/2008 18:40	LH
Vinyl chloride	ND	J	5.0	UG/L	8260	06/03/2008 18:40	LH

ARCADIS
Infrastructure, environment, facilities

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Lockheed Martin Corporation - Utica

Data Usability Summary Report

UTICA, NEW YORK

Volatile Analyses

SDG #RSB0148

Analyses Performed By:
TestAmerica Laboratories
Amherst, New York

Report #9890R
Review Level: Tier III
Project: NJ000642.0001.00001

SUMMARY

The following is an assessment of the data package for Sample Delivery Group (SDG) #RSB0148 for sampling from the Lockheed Martin Corporation, Utica Site. Included with this assessment are the corrected sample results, sample compliance report, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
					VOC	SVOC	PCB	MET	MISC
MH-1	RSB0148-01	WATER	2/4/09		X				
MH-2	RSB0148-02	WATER	2/4/09		X				
TRIP BLANK	RSB0148-03	WATER	--		X				

INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846, Method 8260B. Data were reviewed in accordance with USEPA National Functional Guidelines of October 1999 and January 2005.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

  U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

  B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

- Quantitation (Q) Qualifiers

  E The compound was quantitated above the calibration range.

  D Concentration is based on a diluted sample analysis.

- Validation Qualifiers

  J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

  UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

  JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.

  UB Compound considered non-detect at the listed value due to associated blank contamination.

  N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.

  R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260B	Water	14 days from collection to analysis	Cooled @ 4 °C; preserved to a pH of less than 2 s.u.

s.u. Standard units

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (15%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits, with the exception of the compounds presented in the following table.

Sample Locations	Initial/Continuing	Compound	Criteria
All samples	CCV %D	2-Butanone	+20.6%
		Acetone	+21.7%
		Bromomethane	+22.5%
		Methyl acetate	+24.9%

The criteria used to evaluate the initial and continuing calibration are presented in the following table. In the case of a calibration deviation, the sample results are qualified.

Initial/Continuing	Criteria	Sample Result	Qualification
Initial and Continuing Calibration	RRF <0.05	Non-detect	R
		Detect	J
	RRF <0.01[1]	Non-detect	R
		Detect	J
	RRF >0.05 or RRF >0.01[1]	Non-detect	No Action
		Detect	
Initial Calibration	%RSD > 15% or a correlation coefficient <0.99	Non-detect	UJ
		Detect	J
Continuing Calibration	%D >20% (increase in sensitivity)	Non-detect	No Action
		Detect	J
	%D >20% (decrease in sensitivity)	Non-detect	UJ
		Detect	J

[1] RRF of 0.01 only applies to compounds which are typically poor responding compounds (i.e., ketenes, 1,4-dioxane, etc.)

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria requires the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

Internal standard data was not provided in the data package.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD was not preformed on any sample location associated with this SDG.

8. Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 50% for water matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices.

A field duplicate was not collected with any sample location associated with this SDG.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All detected compounds could not be confirmed because the laboratory did not provide the ion spectra with the laboratory report.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR VOCs

VOCs; SW-846 8260	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks					X
C. Trip blanks		X		X	
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate(LCSD)					X
LCS/LCSD Precision (RPD)					X
Matrix Spike (MS)					X
Matrix Spike Duplicate(MSD)					X
MS/MSD Precision (RPD)					X
Field/Lab Duplicate (%D)					X
Surrogate Spike Recoveries		X		X	
Dilution Factor		X		X	
Moisture Content					X
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X	X		
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard	X				
Compound identification and quantitation					
A. Reconstructed ion chromatograms	X				
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	

VOCs; SW-846 8260	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
E. Reporting limits adjusted to reflect sample dilutions		X		X	

%RSD Percent relative difference
%R Percent recovery
RPD Relative percent difference
%D Percent difference

SAMPLE COMPLIANCE REPORT

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]					Noncompliance
					VOC	SVOC	PCB/PEST /HERB	MET	MISC	
RSB0148	2/4/09	SW-846 8260B	MH-1	Water	No	--	--	--	--	VOC: %D
RSB0148	2/4/09	SW-846 8260B	MH-2	Water	No	--	--	--	--	VOC: %D
RSB0148	--	SW-846 8260B	TRIP BLANK	Water	No	--	--	--	--	VOC: %D

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Lisa Horton

SIGNATURE: 

DATE: March 17, 2009

PEER REVIEW: Dennis Capria

DATE: April 15, 2009

CHAIN OF CUSTODY/
CORRECTED SAMPLE ANALYSIS DATA SHEETS

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
ARCADIS	Chris Motta	2-4-09	109866
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** _____ **of** _____
17 International BLVD. Suite #406	201-684-1410 / 201-684-1420		
City	**State** / **Zip Code**	**Site Contact**	**Lab Contact**
Mahwah	NJ / 07495	Jeff Bonstedt	Candy Fox
Project Name and Location (State)	**Carrier/Waybill Number**		
LMC - Utica (New York)			
Contract/Purchase Order/Quote No.			
N5000638.0001			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TCL VOAs	PCBs	HSL SVE	HSL PAH	DRO	GRO	Special Instructions/ Conditions of Receipt
MW-3	2-3-09	1515		X			4	2	1	4			X	X	X	X	X	X	Hold for ARCADIS approval
MW-4	2-3-09	1120		X			4	2	1	4			X	X	X	X	X	X	
MW-1 (DUP)	2-4-09	9:36		X						2			X						
MW-F	2-4-09	11:15		X						2			X						
MW-D	2-4-09	1156		X						2			X						
MW-E	2-4-09	1240		X						2			X						
MH-1	2-4-09	11:00		X						2			X		5 BD TAT				
MH-2	2-4-09	15:15		X						2			X						
Trip Blank	1-20-09			X						1			X						
~~Field~~ FB FB(020309)	2-3-09	1650		X			4	2	1	4			X	X	X	X	X	X	
FB(020409)	2-4-09	1600		X						2			X						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	2.4.09	7:00PM	1. Received By	2/5/09	0830
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments
CS# 357757 & 357758

2020

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSB0148-01 (MH-1 - Water)						**Sampled: 02/04/09 11:00**			**Recvd: 02/05/09 08:30**	
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	**24**		1.0	0.31	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,1-Dichloroethane	**8.4**		1.0	0.75	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	1.0	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,2-Dichloropropane	ND		1.0	0.14	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
2-Butanone	ND		5.0	1.3	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
4-Methyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Acetone	ND		5.0	1.3	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Benzene	ND		1.0	0.16	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Chloroethane	**0.70**	J	1.0	0.32	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
cis-1,2-Dichloroethene	**39**		1.0	0.16	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Cyclohexane	ND		1.0	0.53	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Dichlorodifluoromethane	**1.5**		1.0	0.29	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Ethylbenzene	ND		1.0	0.18	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Methyl Acetate	ND		1.0	0.17	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Methylcyclohexane	ND		1.0	0.50	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Tetrachloroethene	**31**		1.0	0.36	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
trans-1,2-Dichloroethene	ND		1.0	0.13	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Trichloroethene	**64**		1.0	0.18	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Vinyl chloride	**0.50**	J	1.0	0.24	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Xylenes, total	ND		3.0	0.93	ug/L	1.00	02/14/09 01:13	CDC	9B13079	8260B
Surr: 1,2-Dichloroethane-d4 (66-137%)	*105 %*						02/14/09 01:13	CDC	9B13079	8260B
Surr: 4-Bromofluorobenzene (73-120%)	*89 %*						02/14/09 01:13	CDC	9B13079	8260B
Surr: Toluene-d8 (71-126%)	*104 %*						02/14/09 01:13	CDC	9B13079	8260B

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSB0148-02 (MH-2 - Water)						**Sampled: 02/04/09 15:45**			**Recvd: 02/05/09 08:30**	
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,1-Dichloroethane	**1.6**		1.0	0.75	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	1.0	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,2-Dichloropropane	ND		1.0	0.14	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
2-Butanone	ND		5.0	1.3	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
4-Methyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Acetone	ND		5.0	1.3	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Benzene	ND		1.0	0.16	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
cis-1,2-Dichloroethene	**10**		1.0	0.16	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Cyclohexane	ND		1.0	0.53	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Dichlorodifluoromethane	ND		1.0	0.29	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Ethylbenzene	ND		1.0	0.18	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Methyl Acetate	ND		1.0	0.17	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Methylcyclohexane	ND		1.0	0.50	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Tetrachloroethene	**3.8**		1.0	0.36	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
trans-1,2-Dichloroethene	**0.22**	J	1.0	0.13	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Trichloroethene	**6.7**		1.0	0.18	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Vinyl chloride	**1.0**	J	1.0	0.24	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Xylenes, total	ND		3.0	0.93	ug/L	1.00	02/14/09 01:37	CDC	9B13079	8260B
Surr: 1,2-Dichloroethane-d4 (66-137%)	*104 %*						02/14/09 01:37	CDC	9B13079	8260B
Surr: 4-Bromofluorobenzene (73-120%)	*87 %*						02/14/09 01:37	CDC	9B13079	8260B
Surr: Toluene-d8 (71-126%)	*105 %*						02/14/09 01:37	CDC	9B13079	8260B

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ARCADIS U.S., Inc. - Albany, NY
465 New Karner Road
Albany, NY 12205

Work Order: RSB0148

Project: LMC - Utica, NY
Project Number: AGM

Received: 02/05/09
Reported: 03/11/09 12:21

Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
Sample ID: RSB0148-03 (TRIP BLANK - Water)						**Sampled: 02/04/09**			**Recvd: 02/05/09 08:30**	
Volatile Organic Compounds by EPA 8260B										
1,1,1-Trichloroethane	ND		1.0	0.26	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,1-Dichloroethane	ND		1.0	0.75	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,1-Dichloroethene	ND		1.0	0.29	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,2-Dibromo-3-chloropropane	ND		1.0	1.0	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,2-Dibromoethane	ND		1.0	0.17	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,2-Dichlorobenzene	ND		1.0	0.20	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,2-Dichloroethane	ND		1.0	0.21	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,2-Dichloropropane	ND		1.0	0.14	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,3-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
1,4-Dichlorobenzene	ND		1.0	0.16	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
2-Butanone	ND		5.0	1.3	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
2-Hexanone	ND		5.0	1.2	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
4-Methyl-2-pentanone	ND		5.0	0.91	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Acetone	ND		5.0	1.3	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Benzene	ND		1.0	0.16	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Bromodichloromethane	ND		1.0	0.39	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Bromoform	ND		1.0	0.26	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Bromomethane	ND		1.0	0.28	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Carbon disulfide	ND		1.0	0.19	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Carbon Tetrachloride	ND		1.0	0.27	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Chlorobenzene	ND		1.0	0.32	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Dibromochloromethane	ND		1.0	0.32	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Chloroethane	ND		1.0	0.32	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Chloroform	ND		1.0	0.34	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Chloromethane	ND		1.0	0.35	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
cis-1,2-Dichloroethene	ND		1.0	0.16	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Cyclohexane	ND		1.0	0.53	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Dichlorodifluoromethane	ND		1.0	0.29	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Ethylbenzene	ND		1.0	0.18	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Isopropylbenzene	ND		1.0	0.19	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Methyl Acetate	ND		1.0	0.17	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.16	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Methylcyclohexane	ND		1.0	0.50	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Methylene Chloride	ND		1.0	0.44	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Styrene	ND		1.0	0.18	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Tetrachloroethene	ND		1.0	0.36	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Toluene	ND		1.0	0.51	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
trans-1,2-Dichloroethene	ND		1.0	0.13	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Trichloroethene	ND		1.0	0.18	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Trichlorofluoromethane	ND		1.0	0.15	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Vinyl chloride	ND		1.0	0.24	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Xylenes, total	ND		3.0	0.93	ug/L	1.00	02/14/09 02:01	CDC	9B13079	8260B
Surr: 1,2-Dichloroethane-d4 (66-137%)	*103 %*						02/14/09 02:01	CDC	9B13079	8260B
Surr: 4-Bromofluorobenzene (73-120%)	*87 %*						02/14/09 02:01	CDC	9B13079	8260B
Surr: Toluene-d8 (71-126%)	*104 %*						02/14/09 02:01	CDC	9B13079	8260B

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Infrastructure, environment, facilities

Imagine the result

Lockheed Martin-Utica

Data Usability Summary Report

UTICA, NEW YORK

Volatile Organic Compounds

SDG# A08-6157

Analyses Performed By:
TestAmerica Laboratories
Amherst, New York

Report: #9909R
Project: NJ000630.0001.0003A

SUMMARY

This data quality assessment summarizes the review of Sample Delivery Group (SDG) #A08-6157 for samples collected in association with the Lockheed Martin Corporation Utica, New York Site. The review was conducted as a Tier III evaluation and included review of data package completeness. Only analytical data associated with constituents of concern were reviewed for this validation. Field documentation was not included in this review. Included with this assessment are the validation annotated sample result sheets, and chain of custody. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Collection Date	Parent Sample	Analysis				
					VOC	SVOC	PEST/ PCB	MET	MISC
MW-14 (10-12)	A8615702	Soil	05/27/2008		X				
MW-14 (16-18)	A8615703	Soil	05/27/2008		X				
MW-14 (50-52)	A8615704	Soil	05/27/2008		X				
MW-14 (6-8)	A8615701	Soil	05/27/2008		X				

ANALYTICAL DATA PACKAGE DOCUMENTATION

The table below is the evaluation of the data package completeness.

Items Reviewed	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Sample receipt condition		X		X	
2. Requested analyses and sample results		X		X	
3. Master tracking list		X		X	
4. Methods of analysis		X		X	
5. Reporting limits		X		X	
6. Sample collection date		X		X	
7. Laboratory sample received date		X		X	
8. Sample preservation verification (as applicable)		X		X	
9. Sample preparation/extraction/analysis dates		X		X	
10. Fully executed Chain-of-Custody (COC) form		X		X	
11. Narrative summary of QA or sample problems provided		X		X	
12. Data Package Completeness and Compliance		X		X	

QA - Quality Assurance

ORGANIC ANALYSIS INTRODUCTION

Analyses were performed according to United States Environmental Protection Agency (USEPA) SW-846 Method 8260B. Data was reviewed in accordance with USEPA National Functional Guidelines of October 1999 and January 2005.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with USEPA National Functional Guidelines:

- Concentration (C) Qualifiers

  U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

  B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.

- Quantitation (Q) Qualifiers

  E The compound was quantitated above the calibration range.

  D Concentration is based on a diluted sample analysis.

- Validation Qualifiers

  J The compound was positively identified; however, the associated numerical value is an estimated concentration only.

  UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.

  JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.

  UB Compound considered non-detect at the listed value due to associated blank contamination.

  N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.

  R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant quality control (QC) problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

VOLATILE ORGANIC COMPOUND (VOC) ANALYSES

1. Holding Times

The specified holding times for the following methods are presented in the following table.

Method	Matrix	Holding Time	Preservation
SW-846 8260B	Soil	48 hours from collection to extraction and 14 days from extraction to analysis	Cooled @ 4 °C.

s.u. Standard units

All samples were analyzed within the specified holding time criteria.

2. Blank Contamination

Quality assurance (QA) blanks (i.e., method and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Rinse blanks measure contamination of samples during field operations.

A blank action level (BAL) of five times the concentration of a detected compound in an associated blank (common laboratory contaminant compounds are calculated at ten times) is calculated for QA blanks containing concentrations greater than the method detection limit (MDL). The BAL is compared to the associated sample results to determine the appropriate qualification of the sample results, if needed.

Compounds were not detected above the MDL in the associated blanks; therefore detected sample results were not associated with blank contamination.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable and all analyses were performed within a 12-hour tune clock.

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) and relative response factor (RRF) limits for select compounds only. A technical review of the data applies limits to all compounds with no exceptions.

All target compounds associated with the initial calibration standards must exhibit a %RSD less than the control limit (15%) or a correlation coefficient greater than 0.99 and an RRF value greater than control limit (0.05).

4.2 Continuing Calibration

All target compounds associated with the continuing calibration standard must exhibit a percent difference (%D) less than the control limit (20%) and RRF value greater than control limit (0.05).

All compounds associated with the calibrations were within the specified control limits.

5. Surrogates/System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. VOC analysis requires that all surrogates associated with the analysis exhibit recoveries within the laboratory-established acceptance limits.

Sample locations associated with surrogates exhibiting recoveries outside of the control limits presented in the following table.

Sample Locations	Surrogate	Recovery
MW-14 (50-52)	p-Bromofluorobenzene	< LL but > 10%
	Toluene-d8	> UL

UCL Upper control limit
LL Lower control limit
D Diluted
AC Acceptable

The criteria used to evaluate the surrogate recoveries are presented in the following table. In the case of a surrogate deviation, the sample results associated with the deviant fraction are qualified as documented in the table below.

Control Limit	Sample Result	Qualification
> UL	Non-detect	No Action
	Detect	J
< LL but > 10%	Non-detect	J
	Detect	J
< 10%	Non-detect	R
	Detect	J
Surrogates diluted below the calibration curve due to the high concentration of a target compounds	Non-detect	J[1]
	Detect	

[1] A more concentrated analysis was not performed with surrogate compounds within the calibration range; therefore, no determination of extraction efficiency could be made.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every sample analysis. The criteria requires the internal standard compounds associated with the VOC exhibit area counts that are not greater than two times (+100%) or less than one-half (-50%) of the area counts of the associated continuing calibration standard.

Sample locations associated with internal standards exhibiting responses outside of the control limits are presented in the following table.

Sample Locations	Internal Standard	Response
MW-14 (50-52)	Chlorobenzene-d5	< LL but > 25%
	1,4-Dichlorobenzene-d4	< LL but > 25%

AC Acceptable

The criteria used to evaluate the internal standard responses are presented in the following table. In the case of an internal standard deviation, the compounds quantitated under the deviant internal standard are qualified as documented in the table below.

Control limit	Sample Result	Qualification
> the upper control limit (UL)	Non-detect	No action
	Detect	J
< the lower control limit (LL) but > 25%	Non-detect	J
	Detect	J
< 25%	Non-detect	R
	Detect	J

Note: Sample results were not qualified as rejected (R) due to the deviations listed above.

7. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analysis

MS/MSD data are used to assess the precision and accuracy of the analytical method. The compounds used to perform the MS/MSD analysis must exhibit a percent recovery within the laboratory-established acceptance limits. The relative percent difference (RPD) between the MS/MSD recoveries must exhibit an RPD within the laboratory-established acceptance limits.

Note: The MS/MSD recovery control limits do not apply for MS/MSD performed on sample locations where the compound concentration detected in the parent sample exceeds the MS/MSD concentration by a factor of four or greater.

A MS/MSD was not performed on a sample location associated with this SDG.

8. Laboratory Control Sample (LCS) Analysis

The LCS analysis is used to assess the precision and accuracy of the analytical method independent of matrix interferences. The compounds associated with the LCS analysis must exhibit a percent recovery within the laboratory-established acceptance limits.

All compounds associated with the LCS analysis exhibited recoveries within the control limits.

9. Field Duplicate Analysis

Field duplicate analysis is used to assess the precision and accuracy of the field sampling procedures and analytical method. A control limit of 50% for water matrices and 100% for soil matrices is applied to the RPD between the parent sample and the field duplicate. In the instance when the parent and/or duplicate sample concentrations are less than or equal to 5 times the RL, a control limit of two times the RL is applied for water matrices or three times the RL is applied for soil matrices.

A field duplicate was not performed on a sample location associated with this SDG.

10. Compound Identification

Compounds are identified on the GC/MS by using the analytes relative retention time and ion spectra.

All identified compounds met the specified criteria.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

DATA VALIDATION CHECKLIST FOR VOCs

VOCs: SW-846 1311/8260B	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
GAS CHROMATOGRAPHY/MASS SPECTROMETRY (GC/MS)					
Tier II Validation					
Holding times		X		X	
Reporting limits (units)		X		X	
Blanks					
A. Method blanks		X		X	
B. Equipment blanks					X
C. Trip blanks					X
Laboratory Control Sample (LCS)		X		X	
Laboratory Control Sample Duplicate(LCSD)					X
LCS/LCSD Precision (RPD)					X
Matrix Spike (MS)					X
Matrix Spike Duplicate(MSD)					X
MS/MSD Precision (RPD)					X
Field/Lab Duplicate (%D)					X
Surrogate Spike Recoveries		X	X		
Dilution Factor		X		X	
Moisture Content		X		X	
Tier III Validation					
System performance and column resolution		X		X	
Initial calibration %RSDs		X		X	
Continuing calibration RRFs		X		X	
Continuing calibration %Ds		X		X	
Instrument tune and performance check		X		X	
Ion abundance criteria for each instrument used		X		X	
Internal standard		X	X		
Compound identification and quantitation					
A. Reconstructed ion chromatograms		X		X	
B. Quantitation Reports		X		X	
C. RT of sample compounds within the established RT windows		X		X	
D. Transcription/calculation errors present		X		X	
E. Reporting limits adjusted to reflect sample dilutions		X		X	

%RSD Percent relative difference
%R Percent recovery
RPD Relative percent difference
%D Percent difference

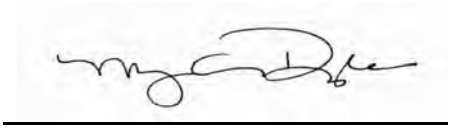
SAMPLE COMPLIANCE REPORT

SAMPLE COMPLIANCE REPORT

Sample Delivery Group (SDG)	Sampling Date	Protocol	Sample ID	Matrix	Compliancy[1]					Noncompliance
					VOC	SVOC	PCB/PEST	MET	MISC	
A8615702	05/27/2008	SW-846	MW-14 (10-12)	Soil	Yes	--	--	--	--	VOC-CCV%D
A8615703	05/27/2008	SW-846	MW-14 (16-18)	Soil	Yes	--	--	--	--	VOC-CCV%D
A8615704	05/27/2008	SW-846	MW-14 (50-52)	Soil	No	--	--	--	--	VOC-Surrogate % Recovery, Internal Standard Response
A8615701	05/27/2008	SW-846	MW-14 (6-8)	Soil	Yes	--	--	--	--	VOC-CCV%D

1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.

VALIDATION PERFORMED BY: Mary Ann Doyle

SIGNATURE: 

DATE: 4/28/09

PEER REVIEW: Dennis Capria

DATE: May 1, 2009

CHAIN OF CUSTODY/
CORRECTED SAMPLE ANALYSIS DATA SHEETS

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: MW-14 (6'-8')
Lab Sample ID: A8615701
Date Collected: 05/27/2008
Time Collected: 10:40

Date Received: 05/31/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,1,2,2-Tetrachloroethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,1,2-Trichloroethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,1-Dichloroethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,1-Dichloroethene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,2,4-Trichlorobenzene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,2-Dibromo-3-chloropropane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,2-Dibromoethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,2-Dichlorobenzene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,2-Dichloroethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,2-Dichloropropane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,3-Dichlorobenzene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
1,4-Dichlorobenzene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
2-Butanone	ND		30	UG/KG	8260	06/02/2008 20:12	JLG
2-Hexanone	ND		30	UG/KG	8260	06/02/2008 20:12	JLG
4-Methyl-2-pentanone	ND		30	UG/KG	8260	06/02/2008 20:12	JLG
Acetone	ND		30	UG/KG	8260	06/02/2008 20:12	JLG
Benzene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Bromodichloromethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Bromoform	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Bromomethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Carbon Disulfide	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Carbon Tetrachloride	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Chlorobenzene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Chloroethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Chloroform	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Chloromethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
cis-1,2-Dichloroethene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
cis-1,3-Dichloropropene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Cyclohexane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Dibromochloromethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Dichlorodifluoromethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Ethylbenzene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Isopropylbenzene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Methyl acetate	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Methyl-t-Butyl Ether (MTBE)	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Methylcyclohexane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Methylene chloride	5	J	6	UG/KG	8260	06/02/2008 20:12	JLG
Styrene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Tetrachloroethene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Toluene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Total Xylenes	ND		18	UG/KG	8260	06/02/2008 20:12	JLG
trans-1,2-Dichloroethene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
trans-1,3-Dichloropropene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Trichloroethene	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Trichlorofluoromethane	ND		6	UG/KG	8260	06/02/2008 20:12	JLG
Vinyl chloride	ND		12	UG/KG	8260	06/02/2008 20:12	JLG

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: MW-14 (10'-12')
Lab Sample ID: A8615702
Date Collected: 05/27/2008
Time Collected: 11:00

Date Received: 05/31/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,1,2,2-Tetrachloroethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,1,2-Trichloroethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,1-Dichloroethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,1-Dichloroethene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,2,4-Trichlorobenzene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,2-Dibromo-3-chloropropane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,2-Dibromoethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,2-Dichlorobenzene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,2-Dichloroethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,2-Dichloropropane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,3-Dichlorobenzene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
1,4-Dichlorobenzene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
2-Butanone	ND		28	UG/KG	8260	06/02/2008 20:37	JLG
2-Hexanone	ND		28	UG/KG	8260	06/02/2008 20:37	JLG
4-Methyl-2-pentanone	ND		28	UG/KG	8260	06/02/2008 20:37	JLG
Acetone	8	J	28	UG/KG	8260	06/02/2008 20:37	JLG
Benzene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Bromodichloromethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Bromoform	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Bromomethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Carbon Disulfide	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Carbon Tetrachloride	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Chlorobenzene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Chloroethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Chloroform	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Chloromethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
cis-1,2-Dichloroethene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
cis-1,3-Dichloropropene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Cyclohexane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Dibromochloromethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Dichlorodifluoromethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Ethylbenzene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Isopropylbenzene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Methyl acetate	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Methyl-t-Butyl Ether (MTBE)	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Methylcyclohexane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Methylene chloride	5	J	6	UG/KG	8260	06/02/2008 20:37	JLG
Styrene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Tetrachloroethene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Toluene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Total Xylenes	ND		16	UG/KG	8260	06/02/2008 20:37	JLG
trans-1,2-Dichloroethene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
trans-1,3-Dichloropropene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Trichloroethene	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Trichlorofluoromethane	ND		6	UG/KG	8260	06/02/2008 20:37	JLG
Vinyl chloride	ND		11	UG/KG	8260	06/02/2008 20:37	JLG

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: MW-14 (16'-18')
Lab Sample ID: A8615703
Date Collected: 05/27/2008
Time Collected: 13:00

Date Received: 05/31/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,1,2,2-Tetrachloroethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,1,2-Trichloroethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,1-Dichloroethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,1-Dichloroethene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,2,4-Trichlorobenzene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,2-Dibromo-3-chloropropane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,2-Dibromoethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,2-Dichlorobenzene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,2-Dichloroethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,2-Dichloropropane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,3-Dichlorobenzene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
1,4-Dichlorobenzene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
2-Butanone	ND		26	UG/KG	8260	06/02/2008 21:03	JLG
2-Hexanone	ND		26	UG/KG	8260	06/02/2008 21:03	JLG
4-Methyl-2-pentanone	ND		26	UG/KG	8260	06/02/2008 21:03	JLG
Acetone	ND		26	UG/KG	8260	06/02/2008 21:03	JLG
Benzene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Bromodichloromethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Bromoform	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Bromomethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Carbon Disulfide	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Carbon Tetrachloride	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Chlorobenzene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Chloroethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Chloroform	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Chloromethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
cis-1,2-Dichloroethene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
cis-1,3-Dichloropropene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Cyclohexane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Dibromochloromethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Dichlorodifluoromethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Ethylbenzene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Isopropylbenzene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Methyl acetate	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Methyl-t-Butyl Ether (MTBE)	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Methylcyclohexane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Methylene chloride	5		5	UG/KG	8260	06/02/2008 21:03	JLG
Styrene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Tetrachloroethene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Toluene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Total Xylenes	ND		16	UG/KG	8260	06/02/2008 21:03	JLG
trans-1,2-Dichloroethene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
trans-1,3-Dichloropropene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Trichloroethene	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Trichlorofluoromethane	ND		5	UG/KG	8260	06/02/2008 21:03	JLG
Vinyl chloride	ND		10	UG/KG	8260	06/02/2008 21:03	JLG

Arcadis, Geraghty & Miller
LMC - Utica, NY -- Full TCLP Parameters

Sample ID: MW-14 (50'-52')
Lab Sample ID: A8615704
Date Collected: 05/29/2008
Time Collected: 10:00

Date Received: 05/31/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
1,1,2,2-Tetrachloroethane	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
1,1,2-Trichloroethane	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
1,1-Dichloroethane	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
1,1-Dichloroethene	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
1,2,4-Trichlorobenzene	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
1,2-Dibromo-3-chloropropane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
1,2-Dibromoethane	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
1,2-Dichlorobenzene	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
1,2-Dichloroethane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
1,2-Dichloropropane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
1,3-Dichlorobenzene	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
1,4-Dichlorobenzene	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
2-Butanone	ND		26	UG/KG	8260	06/02/2008 21:28	JLG
2-Hexanone	ND	J	26	UG/KG	8260	06/02/2008 21:28	JLG
4-Methyl-2-pentanone	ND	J	26	UG/KG	8260	06/02/2008 21:28	JLG
Acetone	ND	J	26	UG/KG	8260	06/02/2008 21:28	JLG
Benzene	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Bromodichloromethane	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
Bromoform	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
Bromomethane	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
Carbon Disulfide	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
Carbon Tetrachloride	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Chlorobenzene	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
Chloroethane	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
Chloroform	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
Chloromethane	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
cis-1,2-Dichloroethene	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
cis-1,3-Dichloropropene	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
Cyclohexane	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
Dibromochloromethane	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
Dichlorodifluoromethane	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
Ethylbenzene	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
Isopropylbenzene	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Methyl acetate	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
Methyl-t-Butyl Ether (MTBE)	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Methylcyclohexane	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Methylene chloride	6	J	5	UG/KG	8260	06/02/2008 21:28	JLG
Styrene	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Tetrachloroethene	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
Toluene	5	J	5	UG/KG	8260	06/02/2008 21:28	JLG
Total Xylenes	ND	J	16	UG/KG	8260	06/02/2008 21:28	JLG
trans-1,2-Dichloroethene	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
trans-1,3-Dichloropropene	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
Trichloroethene	ND		5	UG/KG	8260	06/02/2008 21:28	JLG
Trichlorofluoromethane	ND	J	5	UG/KG	8260	06/02/2008 21:28	JLG
Vinyl chloride	ND	J	10	UG/KG	8260	06/02/2008 21:28	JLG

Sample ID: MW-14 (50'-52')
Lab Sample ID: A8615704RE
Date Collected: 05/29/2008
Time Collected: 10:00

Date Received: 05/31/2008
Project No: NY9A8463
Client No: L11196
Site No:

Parameter	Result	Flag	Detection Limit	Units	Method	Date/Time Analyzed	Analyst
SOIL-SW8463 8260 - TCL VOLATILES							
1,1,1-Trichloroethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,1,2,2-Tetrachloroethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,1,2-Trichloroethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,1-Dichloroethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,1-Dichloroethene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,2,4-Trichlorobenzene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,2-Dibromo-3-chloropropane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,2-Dibromoethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,2-Dichlorobenzene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,2-Dichloroethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,2-Dichloropropane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,3-Dichlorobenzene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
1,4-Dichlorobenzene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
2-Butanone	ND		26	UG/KG	8260	06/04/2008 16:14	TRB
2-Hexanone	ND		26	UG/KG	8260	06/04/2008 16:14	TRB
4-Methyl-2-pentanone	ND		26	UG/KG	8260	06/04/2008 16:14	TRB
Acetone	12	J	26	UG/KG	8260	06/04/2008 16:14	TRB
Benzene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Bromodichloromethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Bromoform	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Bromomethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Carbon Disulfide	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Carbon Tetrachloride	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Chlorobenzene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Chloroethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Chloroform	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Chloromethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
cis-1,2-Dichloroethene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
cis-1,3-Dichloropropene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Cyclohexane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Dibromochloromethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Dichlorodifluoromethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Ethylbenzene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Isopropylbenzene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Methyl acetate	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Methyl-t-Butyl Ether (MTBE)	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Methylcyclohexane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Methylene chloride	15		5	UG/KG	8260	06/04/2008 16:14	TRB
Styrene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Tetrachloroethene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Toluene	15		5	UG/KG	8260	06/04/2008 16:14	TRB
Total Xylenes	ND		16	UG/KG	8260	06/04/2008 16:14	TRB
trans-1,2-Dichloroethene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
trans-1,3-Dichloropropene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Trichloroethene	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Trichlorofluoromethane	ND		5	UG/KG	8260	06/04/2008 16:14	TRB
Vinyl chloride	ND		11	UG/KG	8260	06/04/2008 16:14	TRB

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☑

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: ARCADIS	Project Manager: Jeff Bonsteel	Date: 05/30/08	Chain of Custody Number: 083448
Address: 465 New Karner Rd.	Telephone Number (Area Code)/Fax Number: 518 452 7826 / 518 452 3498	Lab Number:	Page 1 of _____
City: Albany; State: NY; Zip Code: 12205	Site Contact:	Lab Contact:	Analysis (Attach list if more space is needed)
Project Name and Location (State): Lockheed Martin - Utica (NY)	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: NJ000361.0001			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	TCL VOAs	TCL SVOAs
MW-14 (6'-8')	05/27/08	1040				X	1						1	1
MW-14 (10-12')	05/27/08	1100				X	1						1	1
MW-14 (16-18')	05/27/08	1300				X	1						1	1
MW-14 (50-52')	05/29/08	1000				X	1						1	1

Special Instructions/ Conditions of Receipt

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	05/30/08	1530	1. Received By	5/31/08	0915
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

2820 °1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

19/19

ARCADIS

Appendix K

Historical Data Summary

PZ-2	Feb-95	Jun-96	Aug-96	Nov-96	Feb-97	Jun-97	Aug-97	Nov-97	Feb-98	May-98	Sep-98	Nov-98	Feb-99	May-99	Sep-99	Dec-99	Mar-00	Jun-00	Sep-00	Dec-00	Mar-01	Jun-01	Oct-01
Tetrachloroethene	44	<10	<5	<1	<.8	--	12	6	52	1.3	<0.4	0.78	1.3	1.0	<0.2	0.24	<0.20	13	0.20	8.5	0.35	0.68	<.20
Trichloroethene	55	<10	<5	<1	1.2	--	6	--	13	1.2	<0.4	0.53	1.2	1.4	0.28	1.2	<0.20	0.51	< 0.20	3.5	1.6	1.4	<.20
cis-1,2-Dichloroethene	187	28	<5	15	12	16	9	--	20	14	2	0.96	2	1.6	1.8	2.0	6.0	1.4	2.5	1.8	4.6	4.8	0.47
trans-1,2-Dichloroethene	ND	--	--	--	--	--	--	--	--	1.2	<0.4	<0.2	<0.2	0.22	0.2	<0.20	<0.20	<.20	<.20	<.20	<.20	<.20	<.20
1,2-Dichloroethene (Total)	187	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2.6	3.1	5.3	5.8
Vinyl Chloride	ND	14	<5	11	11	17	7	4.3	7.3	14	<2	0.75 J	2.2	1.3	1.7	1.9	2.0	<1.0	1.6	0.7	3.4	2	.77J
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	ND	<10	<5	<1	<.8	--	--	--	0.44	0.28	<0.4	<0.2	0.21	1.1	<0.2	<0.20	<0.20	<.20	<.20	<.20	<.20	<.20	<.20
Chloroethane	ND	--	--	--	--	--	--	--	--	0.8	<2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1	<1.0
Chloroform	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride (Dichloromethane)	--	<50	<25	<5	4.1	--	--	--	0.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	--	<10	<5	6	1.1	--	--	--	<0.4	<0.4	<0.4	1.1	1.2	1.4	0.61	<0.20	<0.20	<.20	0.49	<.20	0.29	<0.2	<.20
Toluene	--	--	--	--	--	--	--	--	--	<0.4	<0.4	1.9	<0.2	<0.2	<0.20	<0.20	<0.20	7	0.29	<.20	1.5	0.21	0.2
Ethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene (Total)	--	--	--	--	--	--	--	--	--	<0.4	<0.4	11.4	1.12	1.3	<0.20	<0.20	<0.20	<0.20	<0.20	<.20	<.20	<.20	<.20
Chlorobenzene	--	--	--	--	--	--	--	--	<0.8	<0.4	1.9	9.2	2.8	6	4.5	0.48	1.1	<.20	2.7	0.63	0.77	1.3	5.4
1,2-Dichlorobenzene	176	--	--	--	--	--	--	--	<0.4	22	36	7.6	11	15	20	6.7	4.9	0.98	7	2.6	3.1	5.3	5.8

PZ-2	Jan-02	May-02	Aug-02	Nov-02	Mar-03	Jul-03	Oct-03	Feb-04	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Mar-06
Tetrachloroethene	<.2	0.27 J	0.27 J	<0.4	0.67	1.7	0.21J	0.61	0.92	0.54	< 0.40	< 0.40	0.24 J	1.0
Trichloroethene	0.34	< 0.2	< 0.2	0.82	0.61	0.55	0.25	1.2	< 0.20	<0.20	0.22	0.24	0.21	< 0.40
cis-1,2-Dichloroethene	1.4	0.30 J	0.37 J	18	10	5.1	0.78	3.8	2.7	1.3	1.2	1.5	2.0	< 0.40
trans-1,2-Dichloroethene	<.2	< 0.2	< 0.2	0.21	<0.2	<0.2	0.44	<0.2	<0.2	<0.2	< 0.2	< 0.20	< 0.20	< 0.40
1,2-Dichloroethene (Total)	3.8	1.2	8.7	3.1	1.7	2.2	3.7	1.6	0.78	1.1	1.2	1.6	0.79	< 0.50
Vinyl Chloride	1.6	0.51 J	0.30 J	3.8	3.6	3.0	0.63J	1.4	0.87 J	1.1	0.97 J	0.89 J	1.9	< 1.0
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	<.2	< 0.2	< 0.2	<0.2	<0.2	<0.2	<0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.20	< 0.20	< 0.40
Chloroethane	<1.0	<1.0	<1.0	0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	< 0.2	< 0.20	< 0.20	< 0.40
Chloroform	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride (Dichloromethane)	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	0.23	< 0.2	0.85	0.2	<0.2	<0.2	<0.2	0.21	0.7	<0.20	< 0.2	< 0.20	< 0.20	< 0.40
Toluene	<.2	0.25	1.8	<0.2	0.21	<0.2	<0.2	<0.2	<0.2	<0.2	< 0.2	< 0.20	< 0.20	< 0.40
Ethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene (Total)	<.2	<0.2	6	0.73	0.25	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.40	<0.40
Chlorobenzene	1.6	0.32	7.4	2.6	1.2	1.0	9.5	0.86	0.25	0.5	2.5	0.76	0.33	< 0.40
1,2-Dichlorobenzene	3.8	1.2	8.7	3.1	1.7	2.2	3.7	1.6	0.78	1.1	1.2	1.6	0.79	< 0.50

MW-9	Feb-93	Nov-94	May-98	May-99	Jun-00	Jul-01	May-02	Sep-04
Tetrachloroethene	<1	<1	--	--	--	--	--	--
Trichloroethene	<1	<1	--	--	--	--	--	--
cis-1,2-Dichloroethene	--	<1	0.29	1.1	0.22	0.29	0.52	2
trans-1,2-Dichloroethene	--	<1	--	--	--	--	--	--
1,2-Dichloroethene (Total)	<1	<1	--	--	--	--	--	--
Vinyl Chloride	<1	3	9.8	2.1	1.1	2.7	4.4	1.4
1,1,2,2-Tetrachloroethane	<1	<1	--	--	--	--	--	--
1,1,1-Trichloroethane	<1	<1	--	--	--	--	--	--
1,1-Dichloroethane	<1	<1	<0.20	1.0	<.20	0.32	0.22	0.9
Chloroethane	<1	<1	--	--	--	--	--	0.62
Chloroform	<1	<1	--	--	--	--	--	--
Methylene Chloride (Dichloromethane)	<1	<1	--	--	--	--	--	--
Benzene	<1	<1	--	--	--	--	--	--
Toluene	<1	<1	--	--	--	--	--	--
Ethylbenzene	<1	<1	--	--	--	--	--	--
Xylene (Total)	<3	<1	--	--	--	--	--	--
Chlorobenzene	<1	<1	--	--	--	--	--	--
1,2-Dichlorobenzene	<5	<1	--	--	--	--	--	--

PZ-4	Feb-95	Aug-96	Nov-97	May-98	May-99	Jun-00	Jul-01	May-02	Sep-04
Tetrachloroethene	ND	--	--	4.4	2.8	1.9	0.69	1.8	0.22 J
Trichloroethene	ND	--	--	0.43	1.2	<.40	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	84	<1	8.1	4.9	3.4	3	1.6	9.2	1.3
trans-1,2-Dichloroethene	ND	--	--	--	--	--	--	--	--
1,2-Dichloroethene (Total)	84	--	--	--	--	--	--	--	--
Vinyl Chloride	ND	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	0.76	1.4	0.55	<0.2	0.68	< 0.2
1,1-Dichloroethane	ND	--	--	1.2	1.4	1	0.52	1.6	0.52
Chloroethane	ND	--	--	--	--	--	--	--	--
Chloroform	--	12	--	--	--	--	--	--	--
Methylene Chloride (Dichloromethane)	--	--	--	--	--	--	--	--	--
Benzene	--	--	--	--	--	--	--	--	--
Toluene	--	--	--	--	--	42	<0.2	0.93	< 0.2
Ethylbenzene	--	--	--	--	--	--	--	--	--
Xylene (Total)	--	--	--	--	--	--	--	0.28	< 0.4
Chlorobenzene	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ND	--	--	--	--	--	--	--	--

MW-5	Dec-91	Feb-93	Nov-94
Tetrachloroethene	<1	<1	<1
Trichloroethene	<1	<1	<1
cis-1,2-Dichloroethene	--	--	<1
trans-1,2-Dichloroethene	--	--	<1
1,2-Dichloroethene (Total)	<1	1	<1
Vinyl Chloride	<1	<1	<1
1,1,2,2-Tetrachloroethane	<1	<1	<1
1,1,1-Trichloroethane	<1	<1	<1
1,1-Dichloroethane	<1	<1	<1
Chloroethane	<1	<1	<1
Chloroform	<1	1	<1
Methylene Chloride (Dichloromethane)	<1	<1	<1
Benzene	<1	<1	<1
Toluene	<1	<1	<1
Ethylbenzene	<1	<1	<1
Xylene (Total)	<3	<3	<1
Chlorobenzene	<1	<1	<1
1,2-Dichlorobenzene	<5	<5	<1

PZ-01	Feb-95
Tetrachloroethene	ND
Trichloroethene	ND
cis-1,2-Dichloroethene	23
trans-1,2-Dichloroethene	ND
1,2-Dichloroethene (Total)	23
Vinyl Chloride	ND
1,1,2,2-Tetrachloroethane	--
1,1,1-Trichloroethane	--
1,1-Dichloroethane	ND
Chloroethane	42
Chloroform	--
Methylene Chloride (Dichloromethane)	--
Benzene	--
Toluene	--
Ethylbenzene	--
Xylene (Total)	--
Chlorobenzene	--
1,2-Dichlorobenzene	43

MW-4	Dec-91	Feb-93	Nov-94	Aug-96	Nov-97	May-98	May-99	Jun-00	Jul-01	May-02	Sep-04
Tetrachloroethene	<1	<1	<1	--	--	--	--	--	--	--	--
Trichloroethene	<1	<1	<1	--	--	<0.20	1.1	<.20	<0.2	<0.2	<0.2
cis-1,2-Dichloroethene	--	--	<1	--	--	1	3.6	<.20	1.2	1.1	7.4
trans-1,2-Dichloroethene	--	--	<1	--	--	--	--	--	--	--	--
1,2-Dichloroethene (Total)	<1	<1	<1	--	--	--	--	--	--	--	--
Vinyl Chloride	<1	2	<1	4	3.5	3.5	4.1	2.7	3.5	4	6.4
1,1,2,2-Tetrachloroethane	<1	<1	<1	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	<1	<1	<1	--	--	--	--	--	--	--	--
1,1-Dichloroethane	<1	3	<1	--	--	<0.20	1.3	<.20	<0.2	<0.2	1.2
Chloroethane	<1	<1	<1	--	--	--	--	--	--	--	7.4
Chloroform	4	<1	<1	--	--	--	--	--	--	--	--
Methylene Chloride (Dichloromethane)	<1	<1	<1	--	--	--	--	--	--	--	--
Benzene	<1	<1	<1	--	--	--	--	--	--	--	--
Toluene	<1	<1	<1	--	--	--	--	--	--	--	--
Ethylbenzene	<1	<1	<1	--	--	--	--	--	--	--	--
Xylene (Total)	<3	<3	<1	--	--	--	--	--	--	--	--
Chlorobenzene	<1	<1	<1	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	<5	<5	<1	--	--	--	--	--	--	--	--

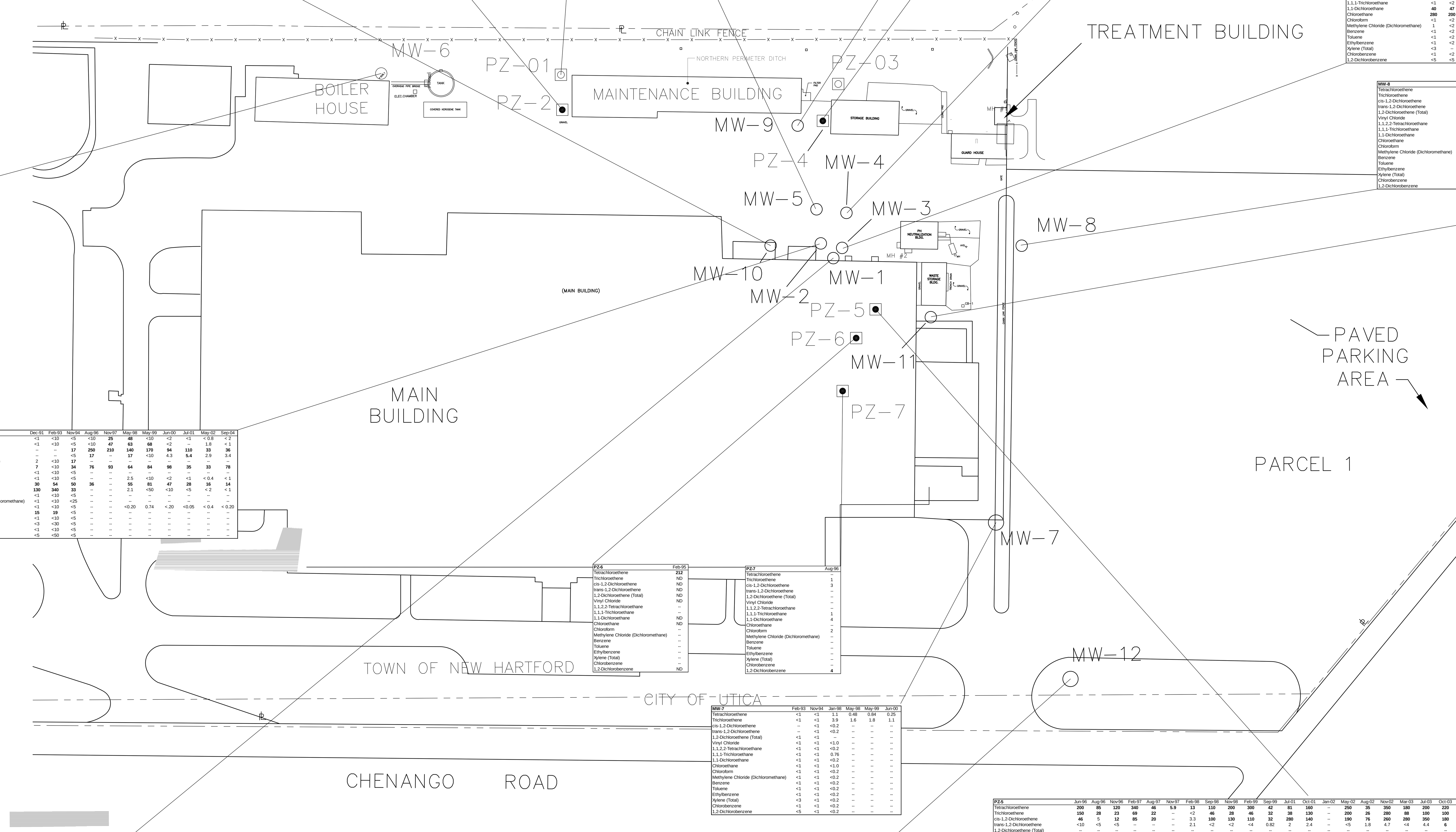
MW-10	Feb-93	Nov-94	Jun-00	Sep-00	Dec-00	Mar-01	Jun-01	Oct-01	Jan-02	May-02	Aug-02	Nov-02	Apr-03	Jul-03	Oct-03	Feb-04	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Mar-06	Mar-07
Tetrachloroethene	<10	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethene	13	<50	<0.4	< 4	<2	<2	<2	2.4	<2	2.9	6.2	3.6	<0.2	4.2	6.2	4.5	< 0.40	11	7.2	2.6	3.5	3.1	1.9
cis-1,2-Dichloroethene	--	940	2.1	540	140	140	140	220	160	210	300	140	3.7	130	210	82	7.3	140	130	59	64	57	43
trans-1,2-Dichloroethene	--	65	<0.4	24	7.4	12	7.5	14	9.8	10	17	9.2	0.39	7.5	11	4.4	0.64	10	6.2	3.1	3.3	3.8	2.8
1,2-Dichloroethene (Total)	1100	1005	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	300	490	1.5 J	180	37	36	43	63	36	44	98	30	2.2	30	66	21	3	34	45	21	21	29	22
1,1,2,2-Tetrachloroethane	<10	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	96	<50	<0.4	< 4	<2	2.4	<2	<1.6	<2	<2	<2	<2	<0.2	<2.0	<2.0	<0.40	< 0.40	<2.0	< 2	< 1.6	< 1.0	< 0.40	< 0.40
1,1-Dichloroethane	74	<50	25	47	40	51	43	42	50	86	40	50	12	32	27	27	12	29	22	18	14	11	5.9
Chloroethane	<10	<50	<2.0	< 20	2.3	<10	<10	<8	<10	<10	<10	<2	<2	<2.0	<2.0	<0.40	< 0.40	<2.0	< 2	< 1.6	< 1.0	< 0.40	< 0.40
Chloroform	<100	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride (Dichloromethane)	<10	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	<10	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	<1	<50	--	--	--	2.7	<2	<1.6	<2	<2	<2	<2	<0.2	<1.6	<0.36	<0.20	<0.20	<0.36	< 0.36	< 0.28	< 0.20	< 0.40	< 0.60
Ethylbenzene	<10	<50	<0.4	<0.4	<2	<2	<2	<1.6	<2	<2	<2	<2	<1	<1.5	<0.29	< 0.20	< 0.20	<0.29	< 0.29	< 0.23	< 0.20	< 0.40	0.70
Xylene (Total)	<30	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	<10	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	<50	<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

MW-3	Dec-91	Feb-93	Nov-94	Aug-96	Nov-97	May-98	May-99	Jun-00	Jul-01	May-02	Sep-04
Tetrachloroethene	5	<2	4	<10	37	73	<20	<8	11	48	57
Trichloroethene	2	<2	2	--	--	300	260	110	--	430	240
cis-1,2-Dichloroethene	--	--	6	270	360	430	440	510	400	340	140
trans-1,2-Dichloroethene	--	--	<1	<10	19	20	<20	<8.0	<4	< 4	4.7
1,2-Dichloroethene (Total)	5	5	6	--	--	--	--	--	--	--	--
Vinyl Chloride	<1	--	ND	94	19	26	<100	8.6 J	4.7 J	< 20	14 J
1,1,2,2-Tetrachloroethane	<1	<2	ND	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	<1	<2	1	--	--	--	--	--	--	--	--
1,1-Dichloroethane	40	47	25	99	35	30	100	9.9	9.8	6.9	10
Chloroethane	280	200	15	--	--	--	--	--	--	--	--
Chloroform	<1	<2	<1	--	--	--	--	--	--	--	--
Methylene Chloride (Dichloromethane)	1	<2	<1	--	--	--	--	--	--	--	--
Benzene	<1	<2	<1	--	--	<0.20	0.71	<4.0	<2	<4	< 0.46
Toluene	<1	<2	<1	--	--	--	--	--	--	--	--
Ethylbenzene	<1	<2	<1	--	--	--	--	--	--	--	--
Xylene (Total)	<3	--	<1	--	--	--	--	--	--	--	--
Chlorobenzene	<1	<2	<1	--	--	0.36	0.49	<8.0	<4	<4	< 0.46
1,2-Dichlorobenzene	<5	<5	<1	--	--	--	--	--	--	--	--

MW-8	Feb-93	Nov-94	May-98	May-99	Jun-00	Jul-01	May-02	Sep-04
Tetrachloroethene	<1	1	0.35	3.5	0.77	3.3	1.6	0.78
Trichloroethene	1	2	0.43	4.6	0.7	4.2	2.1	1.1
cis-1,2-Dichloroethene	--	<1	<0.20	7.4	0.44	1.6	0.37 J	0.37 J
trans-1,2-Dichloroethene	--	<1	--	--	--	--	--	--
1,2-Dichloroethene (Total)	<1	<1	--	--	--	--	--	--
Vinyl Chloride	<1	<1	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	<1	<1	--	--	--	--	--	--
1,1,1-Trichloroethane	<1	<1	--	--	--	--	--	--
1,1-Dichloroethane	<1	<1	--	--	--	--	--	--
Chloroethane	<1	<1	--	--	--	--	--	--
Chloroform	2	<1	--	--	--	--	--	--
Methylene Chloride (Dichloromethane)	<1	<1	--	--	--	--	--	--
Benzene	<1	<1	--	--	--	--	--	--
Toluene	<1	<1	<0.20	0.24	<.20	<0.5	< 0.2	< 0.2
Ethylbenzene	<1	<1	--	--	--	--	--	--
Xylene (Total)	<3	<1	<0.20	1.93	<.20	<0.8	< 0.2	< 0.2
Chlorobenzene	<1	<1	--	--	--	--	--	--
1,2-Dichlorobenzene	<5	<1	<0.40	0.48	<.40	<0.2	< 0.4	< 0.4

MW-6	Feb-95
Tetrachloroethene	ND
Trichloroethene	ND
cis-1,2-Dichloroethene	ND
trans-1,2-Dichloroethene	ND
1,2-Dichloroethene (Total)	ND
Vinyl Chloride	ND
1,1,2,2-Tetrachloroethane	--
1,1,1-Trichloroethane	--
1,1-Dichloroethane	ND
Chloroethane	ND
Chloroform	--
Methylene Chloride (Dichloromethane)	--
Benzene	--
Toluene	--
Ethylbenzene	--
Xylene (Total)	--
Chlorobenzene	--
1,2-Dichlorobenzene	ND

MW-11	Feb-93	Nov94
Tetrachloroethene	<1	<1
Trichloroethene	<1	<1
cis-1,2-Dichloroethene	--	<1
trans-1,2-Dichloroethene	--	<1
1,2-Dichloroethene (Total)	<1	<1
Vinyl Chloride	<1	<1
1,1,2,2-Tetrachloroethane	<1	<1
1,1,1-Trichloroethane	<1	<1
1,1-Dichloroethane	<1	<1
Chloroethane	<1	<1
Chloroform	<1	<1
Methylene Chloride (Dichloromethane)	<1	<5
Benzene	<1	<1
Toluene	<1	<1
Ethylbenzene	<1	<1
Xylene (Total)	<3	<1
Chlorobenzene	<1	<1
1,2-Dichlorobenzene	<5	<1



LEGEND

○ MW-3 GROUNDWATER MONITORING WELL

⊡ PZ-4 PIEZOMETER

MW-2	Dec-91	Feb-93	Nov-94	Aug-96	Nov-97	May-98	May-99	Jun-00	Jul-01	May-02	Sep-04
Tetrachloroethene	<1	<10	<5	<10	25	48	<10	<2	<1	< 0.8	< 2
Trichloroethene	<1	<10	<5	<10	47	63	68	<2	--	1.8	< 1
cis-1,2-Dichloroethene	--	--	17	250	210	140	170	94	110	33	36
trans-1,2-Dichloroethene	--	--	<5	17	--	17	<10	4.3	5.4	2.9	3.4
1,2-Dichloroethene (Total)	2	<10	17	--	--	--	--	--	--	--	--
Vinyl Chloride	7	<10	34	76	93	64	84	98	35	33	78
1,1,2,2-Tetrachloroethane	<1	<10	<5	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	<1	<10	<5	--	--	2.5	<10	<2	<1	< 0.4	< 1
1,1-Dichloroethane	30	54	50	36	--	55	81	47	28	16	14
Chloroethane	130	340	33	--	--	2.1	<50	<10	<5	< 2	< 1
Chloroform	<1	<10	<5	--	--	--	--	--	--	--	--
Methylene Chloride (Dichloromethane)	<1	<10	<25	--	--	--	--	--	--	--	--
Benzene	<1	<10	<5	--	--	<0.20	0.74	<.20	<0.05	< 0.4	< 0.20
Toluene	15	19	<5	--	--	--	--	--	--	--	--
Ethylbenzene	<1	<10	<5	--	--	--	--	--	--	--	--
Xylene (Total)	<3	<30	<5	--	--	--	--	--	--	--	--
Chlorobenzene	<1	<10	<5	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	<5	<50	<5	--	--	--	--	--	--	--	--

PZ-6	Feb-95
Tetrachloroethene	212
Trichloroethene	ND
cis-1,2-Dichloroethene	ND
trans-1,2-Dichloroethene	ND
1,2-Dichloroethene (Total)	ND
Vinyl Chloride	ND
1,1,2,2-Tetrachloroethane	--
1,1,1-Trichloroethane	--
1,1-Dichloroethane	ND
Chloroethane	ND
Chloroform	--
Methylene Chloride (Dichloromethane)	--
Benzene	--
Toluene	--
Ethylbenzene	--
Xylene (Total)	--
Chlorobenzene	--
1,2-Dichlorobenzene	ND

PZ-7	Aug-96
Tetrachloroethene	--
Trichloroethene	1
cis-1,2-Dichloroethene	3
trans-1,2-Dichloroethene	--
1,2-Dichloroethene (Total)	--
Vinyl Chloride	--
1,1,2,2-Tetrachloroethane	--
1,1,1-Trichloroethane	1
1,1-Dichloroethane	4
Chloroethane	--
Chloroform	2
Methylene Chloride (Dichloromethane)	--
Benzene	--
Toluene	--
Ethylbenzene	--
Xylene (Total)	--
Chlorobenzene	--
1,2-Dichlorobenzene	4

MW-7	Feb-93	Nov-94	Jan-98	May-98	May-99	Jun-00
Tetrachloroethene	<1	<1	1.1	0.48	0.84	0.25
Trichloroethene	<1	<1	3.9	1.6	1.8	1.1
cis-1,2-Dichloroethene	--	<1	<0.2	--	--	--
trans-1,2-Dichloroethene	--	<1	<0.2	--	--	--
1,2-Dichloroethene (Total)	<1	<1	--	--	--	--
Vinyl Chloride	<1	<1	<1.0	--	--	--
1,1,2,2-Tetrachloroethane	<1	<1	<0.2	--	--	--
1,1,1-Trichloroethane	<1	<1	0.76	--	--	--
1,1-Dichloroethane	<1	<1	<0.2	--	--	--
Chloroethane	<1	<1	<1.0	--	--	--
Chloroform	<1	<1	<0.2	--	--	--
Methylene Chloride (Dichloromethane)	<1	<1	<0.2	--	--	--
Benzene	<1	<1	<0.2	--	--	--
Toluene	<1	<1	<0.2	--	--	--
Ethylbenzene	<1	<1	<0.2	--	--	--
Xylene (Total)	<3	<1	<0.2	--	--	--
Chlorobenzene	<1	<1	<0.2	--	--	--
1,2-Dichlorobenzene	<5	<1	<0.2	--	--	--

PZ-5	Jun-96	Aug-96	Nov-96	Feb-97	Aug-97	Nov-97	Feb-98	Sep-98	Nov-98	Feb-99	Sep-99	Jul-01	Oct-01	Jan-02	May-02	Aug-02	Nov-02	Mar-03	Jul-03	Oct-03	Feb-03	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Mar-06
Tetrachloroethene	200	85	120	340	46	5.9	13	110	200	300	42	81	160	--	250	35	350	180	200	220	200	240	290	150	220	87	180 D
Trichloroethene	150	28	23	69	22	--	<2	46	28	46	32	38	130	--	200	26	280	88	100	100	330	260	150	220	160	80	260 D
cis-1,2-Dichloroethene	46	5	12	85	20	--	3.3	100	130	110	32	280	140	--	190	76	260	280	350	180	430	500	420	380	340	390	290 D
trans-1,2-Dichloroethene	<10	<5	<5	--	--	--	2.1	<2	<2	<4	0.82	2	2.4	--	<5	1.8	4.7	<4	4.4	6	5.4	5.4	11	6.6	< 4.0	5.5	6.6 D
1,2-Dichloroethene (Total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	<10	<5	<5	--	--	3.7	<10	100	50	26	<2.0	29	17	--	16 J	12	42	53	60	100	41	65	57	61	40	100	83 D
1,1,2,2-Tetrachloroethane	<10	<5	<5	20		--	<2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	<10	<5	<5	--	--	--	<2	<2	2.2	<4	<0.40	1.3	<1.6	--	<5	<1	<4	<4	<4.0	6	<4.0	<4.0	8.2	< 4.0	< 4.0	< 4.0	< 1.6
Chloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	<10	13	<5	6.7	--	--	<2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride (Dichloromethane)	<50	<25	<25	--	--	--	3.1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	<10	16	<5	<2	--	--	<2	<2	<2	<4	<0.2	<0.2	<1.6	<4	<5	<1	<2	<3	<3.0	<0.23	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 0.46	< 1.6
Toluene	<10	<5	8	<2	--	--	<2	<4	<2	<4	<0.2	<0.3	<1.6	<4	<5	<1	<2	<3.1	<3.1	<0.36	< 0.71	< 0.71	15	< 0.71	< 0.71	< 0.71	< 1.6
Ethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene (Total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	<10	<5	<5	--	--	--	8.7	<2	<2	<4	<0.2	<0.2	<1.6	<4	<5	<1	<2	<1.2	<1.2	<0.23	<0.46	<0.46	9.3	< 0.46	< 0.46	< 0.46	< 1.6
1,2-Dichlorobenzene	<10	<5	<5	--	--	--	260	11	<4	<4	<0.4	<0.2	<1.6	<4	<5	<1	<2	<1.5	<1.5	<0.4	<0.62	<0.62	7.2	< 0.62	< 0.62	< 0.62	< 2.0

MW-1	Aug-91	Dec-91	Feb-93	Nov-94	Jun-96	Aug-96	Nov-96	Feb-97	Jun-97	Aug-97	Nov-97	Feb-98	May-98	Sep-98	Nov-98	Feb-99	May-99	Sep-99	Dec-99	Mar-00	Jun-00	Sep-00	Dec-00	Mar-01
Tetrachloroethene	68.8	<1	ND	34	4200	4300	11000	2300	5000	7300	1100	1100	2200	2900	820	1800	1600	1200	2200	1200	2400	1200	1000	810
Trichloroethene	7.19	1	2	<10	<500	<200	<500	120	--	370	730	240	380	590	290	270	360	570	830	470	510	360	380	290
cis-1,2-Dichloroethene	--	--	--	120	<500	260	<500	110	--	240	390	160	220	390	220	110	180	290	360	180	180	200	210	120
trans-1,2-Dichloroethene	--	--	--	15	<500	<200	<500	<32	--	--	--	5.5	22	<20	<16	<16	<16	<16	<20	<20	<20	< 20	<20	<10
1,2-Dichloroethene (Total)	25.6	16	31	135	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	180	83	40	190	--	--	--	--	--	--	--	--	18	<100	<80	<80	<80	<80	<100	<100	<100	<100	<100	--
1,1,2,2-Tetrachloroethane	--	<1	<1	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	<1	<1	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	159	84	53	97	<500	<200	<500	<32	--	--	--	27	35	<20	22	<16	87	20	21	<20	<20	<20	<20	54
Chloroethane	53.7	21	6	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	--	<1	<1	<10	<500	<200	<500	73	--	--	--	<4	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride (Dichloromethane)	--	1	<1	<50	<2500	<1000	<2500	62	--	--	--	6.6	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	--	<1	<1	<10	<500	<500	<500	<2	--	--	--	0.24	<4	<20	<4	<16	<16	0.48	0.36	<10	<10	<10	<10	<10
Toluene	ND	<1	<1	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	--	<1	<1	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene (Total)	--	<3	<3	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	--	<1	<1	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	<5	<5	<10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

MW-1	Jun-01	Oct-01	Jan-02	May-02	Aug-02	Nov-02	Mar-03	Jul-03	Oct-03	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Mar-06	Mar-07
Tetrachloroethene	1200	600	1000	590	470	730	260	160	170	230	79	100	83	62	50	56
Trichloroethene	400	360	650	340	310	310	150	200	220	55	75	92	51	30	33	23
cis-1,2-Dichloroethene	160	180	180	120	150	99	64	140	170	54	100	92	79	39	46	25
trans-1,2-Dichloroethene	<10	<10	<10	<10	<8	<8	<4	14	9.6	< 5	2.6	2.2	< 1.6	1.4	1.1	0.55
1,2-Dichloroethene (Total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Vinyl Chloride	<10	<50	<50	<50	<40	<40	<20	8.2 J	10 J	< 25	5.3	5.2 J	3.3 J	2.0 J	2.4	<1.0
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	20	17	21	12	20	<8	6.1	17	20	< 5	10	7.2	9.6	6.6	8.1	3.3
Chloroethane	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chloroform	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride (Dichloromethane)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzene	<10	<10	<10	<10	<8	<8	<3	<1.5	<0.46	< 0.58	<0.20	< 0.23	< 0.20	< 0.20	< 0.40	<0.40
Toluene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Xylene (Total)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

MW-12	Nov94
Tetrachloroethene	<1
Trichloroethene	<1
cis-1,2-Dichloroethene	<1
trans-1,2-Dichloroethene	<1
1,2-Dichloroethene (Total)	<1
Vinyl Chloride	<1
1,1,2,2-Tetrachloroethane	<1
1,1,1-Trichloroethane	<1
1,1-Dichloroethane	<1
Chloroethane	<1
Chloroform	1
Methylene Chloride (Dichloromethane)	<5
Benzene	<1
Toluene	<1
Ethylbenzene	<1
Xylene (Total)	<1
Chlorobenzene	<1
1,2-Dichlorobenzene	<1

NOTE:

DASHES INDICATE NOT ANALYZED OR DATA MISSING.

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PROJECT TITLE
LOCKHEED MARTIN
SOLVENT DOCK AREA

PROJECT MANAGER	DEPARTMENT MANAGER	LEAD DESIGN PROF.	CHECKED BY
C. MOTTA	M. SANFORD	J. BONSTEEL	D. HEUER
SHEET TITLE		TASK/PHASE NUMBER 00005	DRAWN BY A. SANTINI
HISTORICAL GROUNDWATER CONCENTRATIONS SOLVENT DOCK AREA		PROJECT NUMBER NJ000622.0001	DRAWING NUMBER K