Lockheed Martin Corporation
1195 Sarasota Center Boulevard
Sarasota, Florida 34240
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March 29, 2017

VIA OVERNIGHT CARRIER

Ms. Kelly Bunker
United States Environmental Protection Agency Region 3
1650 Arch Street
Mail Code 3LC61
Philadelphia, PA 19103-2029

Re: Transmittal of the Notification Report and Proposed Cleanup Action Plan
for PCBs in Soil at Test Pit DR TP A64, Dump Road Area,
701 Wilson Point Road
Martin State Airport, Middle River, Maryland

Dear Ms. Bunker:

For your reference, please find enclosed two hard copies with CDs of the above-referenced revised document. This report describes field methods and sampling results for site characterization of polychlorinated biphenyls in soil at and around a test pit completed near the Taxiway Tango area of Martin State Airport in Middle River, Maryland. If possible, we respectfully request to receive comments by May 10, 2017.

If you have any questions or require any additional information please contact me by phone at Telephone 240-687-1813, or via e-mail at paul.e.calligan@lmco.com.

Sincerely,

Paul E. Calligan

Paul E. Calligan, P.G.
Project Lead, Environmental Remediation
Lockheed Martin Corporation

Enclosures

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Anuradha Mohanty, MDE
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Jann Richardson, Lockheed Martin
Pete Lekas, EA Environmental

cc: (via shipping courier; with enclosures)
James Carroll, MDE
Mark Williams, Maryland Aviation Administration
Al Pollard, Martin State Airport

Notification Report and Proposed Cleanup Action Plan for PCBs in Soil at Test Pit DR-TP-A64, Dump Road Area, Martin State Airport 701 Wilson Point Road Middle River, Maryland

Prepared for:

Lockheed Martin Corporation

Prepared by:

Tetra Tech, Inc.

March 2017



Michael Martin, P.G.
Regional Manager



Anthony Apanavage, P.G.
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ACRONYMS

CFR	*Code of Federal Regulations*
CLP	Contract Laboratory Program
COC	chain of custody
cy	cubic yard
DPT	direct-push technology
DRA	Dump Road Area
EDD	electronic-database deliverable
EEPS	Elite Environmental and Petroleum Services, Inc.
EGIS	environmental geographic information system
Enviroscan	Enviroscan, Inc.
GPS	global positioning system
GSSI	Ground Survey Systems, Inc.
HASP	health and safety plan
HAZMAT	hazardous materials
HAZWOPER	hazardous waste operations and emergency response
IDW	investigation-derived waste
LIMS	laboratory information management system
Lockheed Martin	Lockheed Martin Corporation
MAA	Maryland Aviation Administration
MDANG	Maryland Air National Guard
MDE	Maryland Department of the Environment
µg/kg	microgram(s) per kilogram
mg/kg	milligram(s) per kilogram
MSA	Martin State Airport
OSHA	Occupational Safety and Health Administration
PCBs	polychlorinated biphenyls
PDF	portable document format
PID	photoionization detector
PM	project manager
RCRA	Resource Conservation and Recovery Act
SVOCs	semivolatile organic compounds
TCLP	toxicity characteristic leaching procedure

Tetra Tech	Tetra Tech, Inc.
TSCA	Toxic Substances Control Act
USDOT	United States Department of Transportation
USEPA	United States Environmental Protection Agency
VOCs	volatile organic compounds
WMP	waste management plan

Section 1
Introduction

On behalf of Lockheed Martin Corporation (Lockheed Martin), Tetra Tech, Inc. (Tetra Tech) has prepared the following report describing field methods and sampling results for site characterization of polychlorinated biphenyls (PCBs) in soil at and around a test pit completed near the Taxiway Tango area of Martin State Airport (MSA) in Middle River, Maryland (Figure 1-1). The primary objective of this site characterization was to determine the extent of polychlorinated biphenyls in soil around a test pit excavated adjacent to Taxiway Tango in 2012 (Tetra Tech, Inc., 2013), so that a cleanup action for polychlorinated biphenyls in soil could be designed and implemented to achieve PCB concentrations suitable for a low-occupancy area (according to regulations implementing the Toxic Substances Control Act [TSCA], at Title 40 of the *Code of Federal Regulations*, Part 761 [40 CFR Part 761]). The cleanup level established in 40 CFR Part 761 for low-occupancy areas for bulk remediation waste contaminated with polychlorinated biphenyls is 25,000 micrograms per kilogram (µg/kg) (equivalent to 25 milligrams per kilogram [mg/kg]). In addition to the primary objective of defining the horizontal and vertical extent of polychlorinated biphenyls in soil to support the cleanup action, other study objectives include providing information that will minimize both the volume of soil destined for off-site disposal and the volume necessary to complete the analytical characterization required by the disposal facility.

Polychlorinated biphenyls have not been detected in most Dump Road Area soil and sediment samples (Tetra Tech, 2014); only two historical (i.e., pre-2015) sample concentrations of polychlorinated biphenyl have been greater than 5 mg/kg. These samples are test-pit soil sample DR-TP-A64-08 (47 mg/kg taken at a depth of eight feet), collected near Taxiway Tango (approximately 15 feet northeast of Taxiway Tango) in the central portion of the Dump Road Area, and test-pit sample DR-TP-A80-03 (4,100 mg/kg, taken at a depth of three feet), collected from the northeastern section of the Dump Road Area between Pond 1 and the shoreline of Frog Mortar Creek. The latter polychlorinated biphenyl concentration is the highest concentration of polychlorinated biphenyls detected in soil/sediment samples collected at the Dump Road Area, and

the only historical (pre-2015) concentration to exceed 50 mg/kg, the concentration at which special handling and disposal are required under regulations implementing the Toxic Substances Control Act. The site characterization and cleanup actions for test pit DR-TP-A80 are being addressed under separate planning documents.

Tetra Tech prepared a work plan entitled *Dump Road Area PCB Soil Investigation and Removal Work Plan* (Tetra Tech, 2015a) containing plans for characterization and delineation of polychlorinated biphenyl-contaminated soil removed from test pit DR-A-80. The United States Environmental Protection Agency reviewed the work plan and noted that "the area around DR-A-64 must also be fully characterized horizontally and vertically." Accordingly, this document addresses the site characterization and cleanup action for the area near test-pit soil sample DR-TP-A64-08, and the proposed cleanup action, to be performed later, is described in Section 5. Soil removal will follow the proposed cleanup action plan described herein and the site-specific health and safety plan (HASP) and waste management plan (WMP) procedures described in the *Taxiway Tango and Frog Mortar Creek PCB Investigation Work Plan* (Tetra Tech, 2015b).

This report is organized as follows:

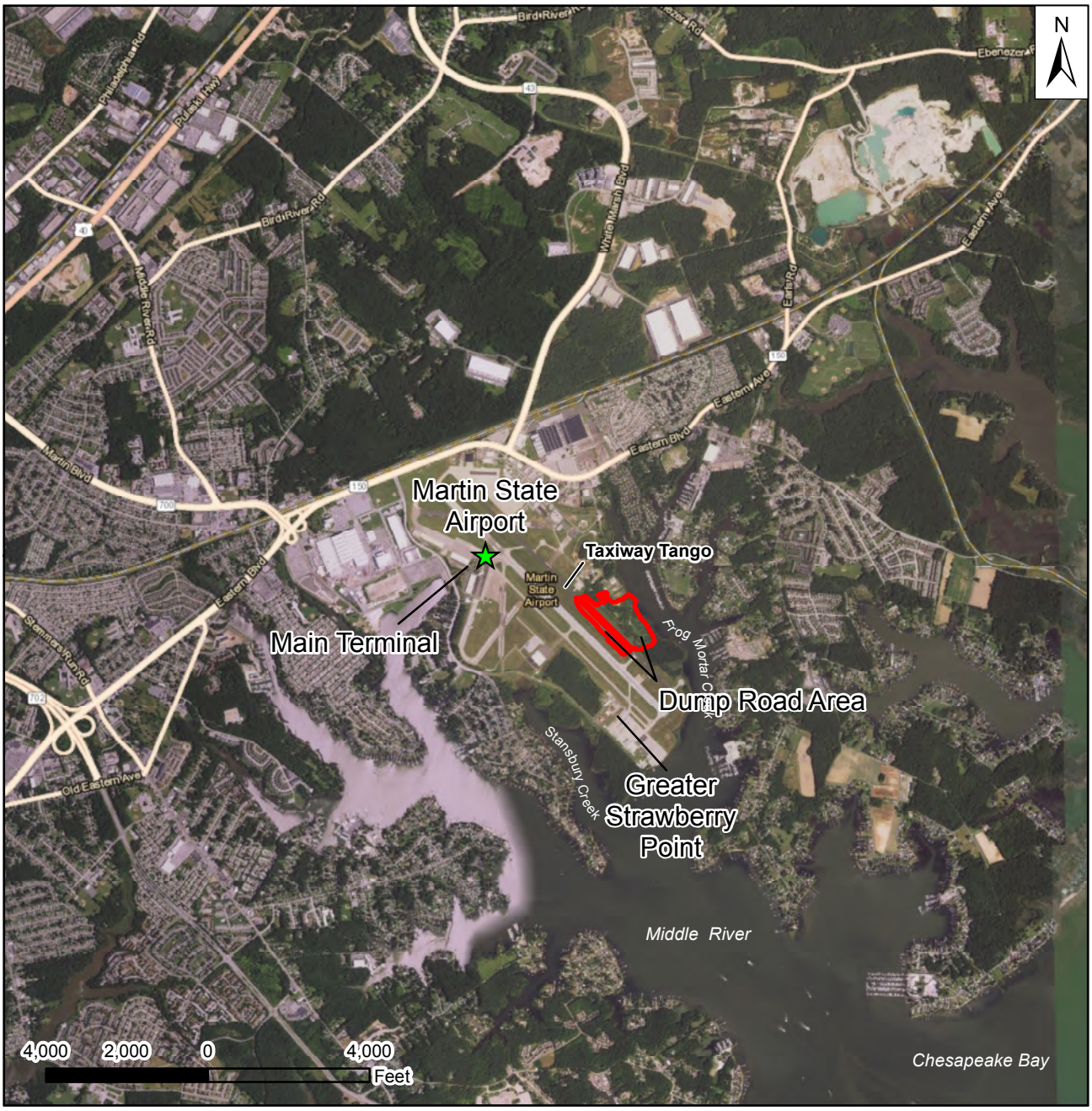
Section 2—Background and Purpose: Briefly describes the site location, previous investigations, and purpose and rationale for the polychlorinated biphenyl site characterization.

Section 3—Site Characterization Approach and Methodology: Presents the technical approach used to characterize soil in the test pit DR-TP-A64 area.

Section 4—Site Characterization Results: Describes the results of the site characterization soil-sampling program.

Section 5—Proposed Cleanup Action Plan: Presents details of the proposed soil-cleanup action for test pit.

Section 6—References: Cites references used to compile this report.



Aerial photograph provided by ESRI's ArcGIS Online World Imagery map service (© 2015 ESRI and its data suppliers).

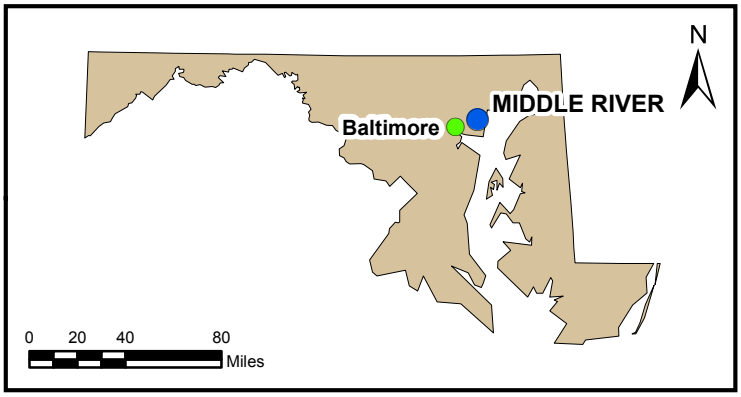


FIGURE 1-1

MARTIN STATE AIRPORT
SITE LOCATION MAP

Lockheed Martin, Martin State Airport
Middle River, Maryland

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TETRA TECH

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Section 2
Background and Purpose

2.1 SITE DESCRIPTION

Martin State Airport (MSA) is at 701 Wilson Point Road in Middle River, Maryland, bounded by Frog Mortar Creek to the east and Stansbury Creek to the west (Figure 2-1). Both creeks are tidal tributaries of Chesapeake Bay and join the bay at the south side of the airport. The Dump Road Area (DRA) is in the southeastern portion of MSA and is bounded by Frog Mortar Creek to the east and the airport runway to the west. This area has been investigated since the 1990s. Lockheed Martin Corporation (Lockheed Martin) designated the site as the "DRA" to distinguish it from other MSA areas under investigation (e.g., Frog Mortar Creek, Strawberry Point, Greater Strawberry Point, and the Main Terminal Area).

2.2 PREVIOUS INVESTIGATION HISTORY

During the 1930s and 1950s, the Glenn L. Martin Aircraft Company reportedly used a sand pit under the current Taxiway Tango to dump spent battery acid, acid-type strippers, and other acidic solutions, in addition to dredge spoils and construction debris. In July 1991, four drums containing dried zinc-chromate paint were uncovered during installation of underground electric cables adjacent to Taxiway Tango (Figure 2-1). This discovery prompted the Maryland Department of the Environment (MDE) to order additional studies. Early investigations (1991–1999) identified four areas of concern: (1) the Taxiway Tango Median Anomaly Area, (2) the Drum Area, (3) Ponds 1 and 2), and (4) the Petroleum Hydrocarbon Area. Brief descriptions of these four areas follow:

- ***Taxiway Tango Median Anomaly Area—***Located between Taxiway Tango and the airport runway, northwest of Taxiway D, where four buried drums containing dried zinc-chromate paint were unearthed and removed in 1991. A construction drawing indicated fill and trash here, and an initial geophysical survey indicated several electromagnetic anomalies, suggesting buried metal.

- ***Drum Area*—**Several drums were uncovered near wells MW2 and MW5 in the forested area northeast of Taxiway Tango when surface vegetation was cleared during a 1996 site investigation.

- ***Two ponds*—**Historical records indicate that acids may have been discharged near the present location of these ponds (approximately 450 feet and 600 feet northeast of Taxiway Tango, respectively) sometime during the 1950s and 1960s.

- ***Petroleum Hydrocarbon Area*—**The Petroleum Hydrocarbon Area is approximately 200 feet west of the ponds. Petroleum hydrocarbons were encountered while drilling a soil boring during the 1996 site investigation.

These four areas became the focus of subsequent studies as chemical constituent impacts to soil, pond sediment, and groundwater became apparent. From 2000–2010, Lockheed Martin conducted a remedial investigation (RI) (Tetra Tech, 2010) and a supplemental RI (Tetra Tech, 2011) to further delineate the extent of soil, groundwater, and sediment chemical impacts indicated by the earlier studies. Through geophysical surveys, membrane-interface probes, test pits, soil borings, and soil- and sediment-sample chemical analyses, the RI identified surface and subsurface soil impacts in and around the buried fill material and in pond sediment.

The fill material consists of soil, stained soil, and debris, the latter of which is comprised of concrete rubble and disposed industrial items (e.g., batteries, deteriorated drums, tires, paint cans, burned items, sludge, buckets, glass, and wood). Volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), and several metals have been detected in soil at concentrations exceeding human health risk screening levels. Chlorinated VOCs (trichloroethene and its degradation products), petroleum VOCs (e.g., benzene), and metals were also detected in surficial aquifer groundwater at concentrations exceeding Maryland groundwater and drinking water standards.

Test pits and trenches have been excavated at the site during multiple events, beginning in May 2000 and continuing through 2011. Test pit locations were selected based on the results of geophysical surveys, to determine if fill material and any metallic objects were in the subsurface. In areas with fill, these efforts focused on determining the types, depths, and extent of fill material. Soil samples for laboratory chemical analyses were also collected at all test pits exhibiting elevated readings of VOCs based on field observations (i.e., portable photoionization detectors [PID] readings, odors, or severe soil discolorations).

Eighteen test pits were excavated on August 5 and 6, 2012, including nine on the Dump Road Area (DRA) side (i.e., east side) of the taxiway, and nine on the runway side (i.e., west side) of the taxiway, to determine the limits of waste near Taxiway Tango in the DRA. Historical test pit locations are presented in Figure 2-2. Samples were collected from the test pits and submitted for laboratory analysis to help determine feasible treatment and disposal alternatives.

Three different PCB Aroclors were detected (Aroclors 1248, 1254, and 1260) in test pit soil samples. Concentrations of Aroclor 1248 in DR-TP-A64-08 (47 milligrams per kilogram [mg/kg]) and Aroclor 1254 in DR-TP-A62-05 (1.6*J* mg/kg [*J*-estimated value]) exceeded both MDE's residential (0.32 mg/kg) and industrial (1.4 mg/kg) screening levels. Concentrations of Aroclor 1254 in DR-TP-A63-09 (1.2*J* mg/kg) and DR-TP-A65-09 (0.43 mg/kg) exceeded the MDE residential screening criteria only. All other detected concentrations of PCBs were below the applicable screening criteria.

Total Aroclor concentrations were calculated by summing all Aroclors in a sample, and using two different equations. The total Aroclor calculation sums the detected Aroclors, and adds an assigned value of zero for each non-detected Aroclor. The "Half-ND" method assigns a value of one-half the detection limit in place of the non-detected Aroclors. The calculated total Aroclor concentration was above the residential screening level in six samples: DR-TP-A53-05 (0.42 mg/kg), DR-TP-A61-04 (0.35 mg/kg), DR-TP-A65-09 (0.72 mg/kg), DR-TP-A62-05 (2.24 mg/kg), DR-TP-A63-09 (1.52 mg/kg), and DR-TP-A64-08 (47 mg/kg). The total Aroclor concentration in the latter three samples also exceeded the industrial screening level.

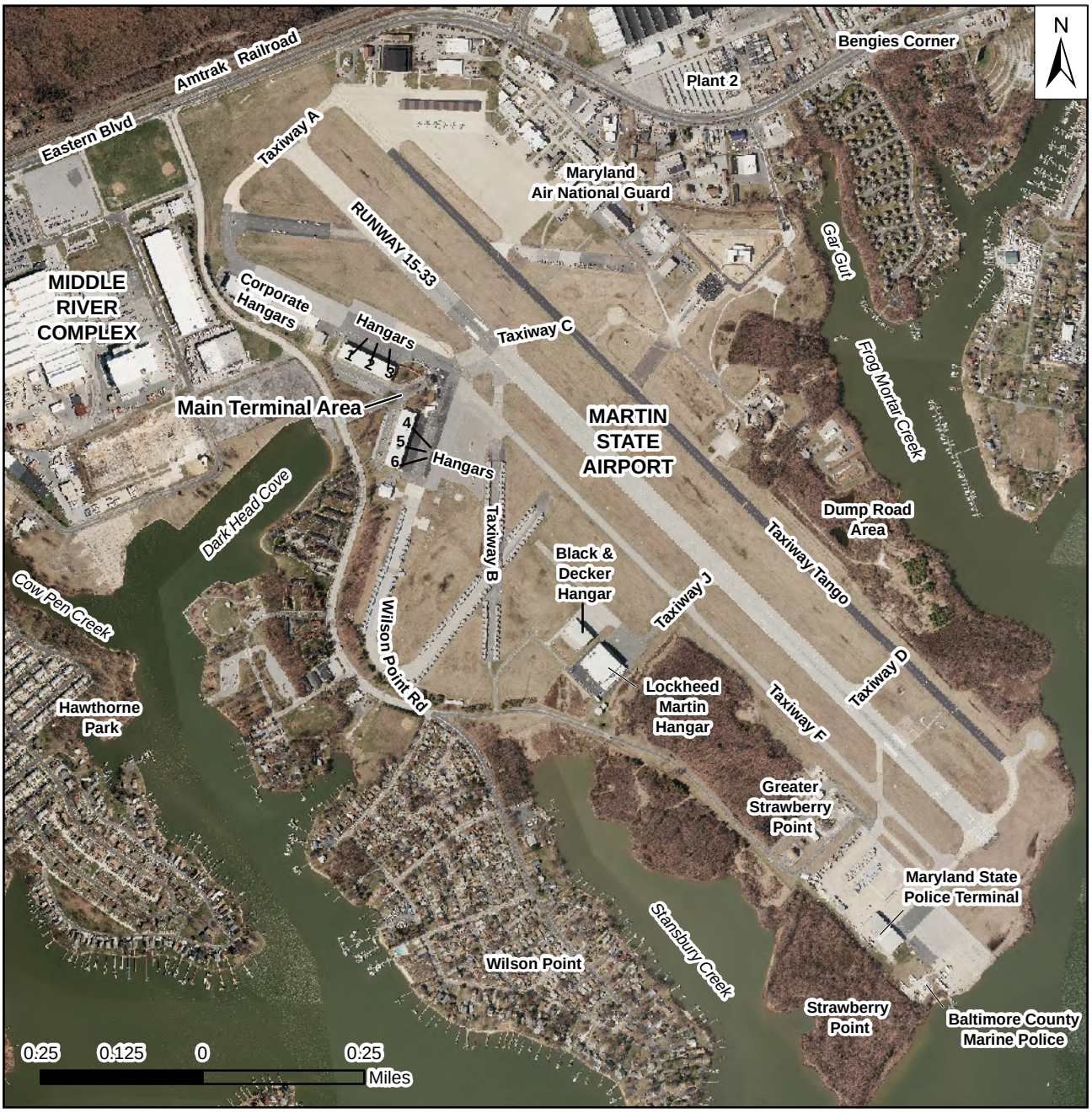
The elevated 47 mg/kg PCB concentration in soil at historical test pit location DR-A-64 (Figure 2-3) led MDE to require further investigation to delineate, for the purpose of removal, the horizontal and vertical extent of PCB-contaminated soil and materials at concentrations greater than or equal to 25 mg/kg near test pit soil sample DR-TP-A64. A more detailed chronological history of test pit and other investigations Lockheed Martin conducted near Taxiway Tango is in the *Taxiway Tango Soil Characterization Report* (Tetra Tech, 2013), and are therefore not presented herein.

2.3 PURPOSE AND RATIONALE

The primary objective of this work was to investigate and delineate PCBs in soil and debris discovered in DR-TP-A64, a test pit excavated during the 2012 Taxiway Tango soil

characterization (Tetra Tech, Inc., 2013). This investigation was focused only near the historical test-pit sampling location DR-TP-A64-08, because PCBs were absent or had been detected at low concentrations elsewhere. Additional investigation objectives were to (1) accurately define the horizontal and vertical limits of a proposed soil excavation to support the removal of shallow soil containing PCBs; (2) minimize the volume of soil for off-site disposal; and (3) complete the analytical characterization required by the selected disposal facility.

Soil and waste encountered during the sampling program with PCB concentrations in excess of 25 mg/kg (the PCB standard for low-occupancy areas with unrestricted use, as defined under regulations implementing the Toxic Substances Control Act [TSCA] at *Code of Federal Regulations* [CFR] Title 40, Part 761), will be excavated at a future date and disposed of at a Lockheed Martin-approved off-site treatment, storage, and disposal facility licensed to accept TSCA wastes. This characterization, cleanup, and disposal notification is made pursuant to the requirements of the "Self-Implementing" section stipulating requirements for the cleanup and disposal of PCB remediation waste under 40 CFR 761.61 (see Appendix A). Notification and reporting schedules will comply with these regulations.



2014 aerial photograph provided by U.S. Geological Survey.

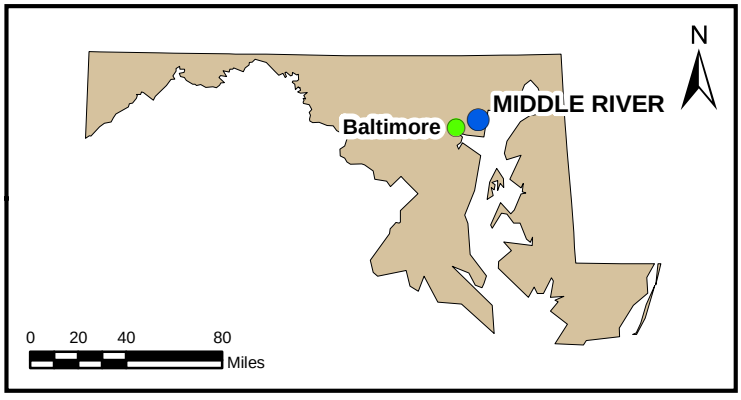


FIGURE 2-1

MARTIN STATE AIRPORT AND SURROUNDING FEATURES

Lockheed Martin, Martin State Airport
Middle River, Maryland

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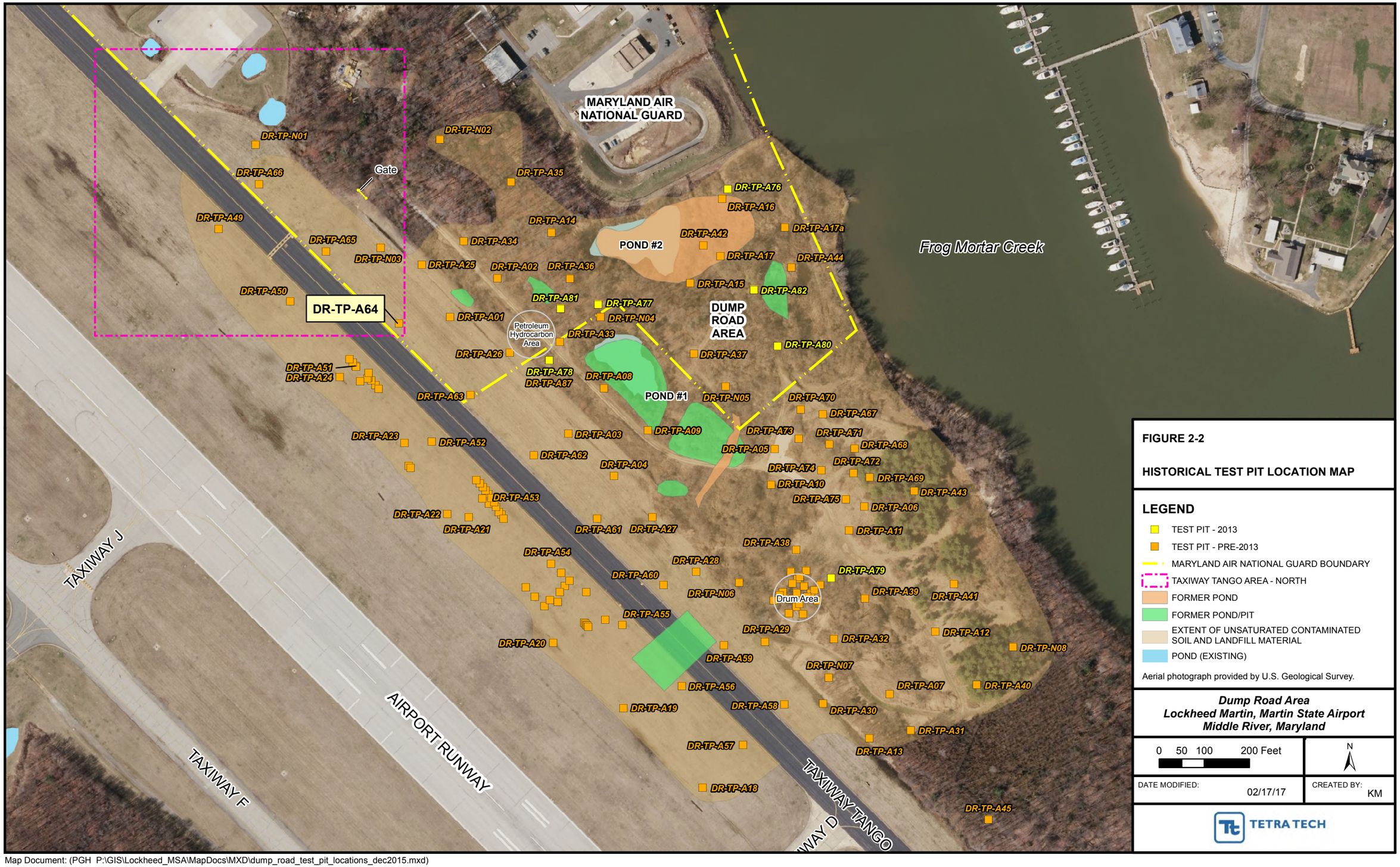


FIGURE 2-2

HISTORICAL TEST PIT LOCATION MAP

LEGEND

- TEST PIT - 2013
- TEST PIT - PRE-2013
- MARYLAND AIR NATIONAL GUARD BOUNDARY
- TAXIWAY TANGO AREA - NORTH
- FORMER POND
- FORMER POND/PIT
- EXTENT OF UNSATURATED CONTAMINATED SOIL AND LANDFILL MATERIAL
- POND (EXISTING)

Aerial photograph provided by U.S. Geological Survey.

Dump Road Area
Lockheed Martin, Martin State Airport
Middle River, Maryland

0 50 100 200 Feet

N

DATE MODIFIED: 02/17/17

CREATED BY: KM

TETRA TECH

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02/17/17 -- JEE



DR-TP-A64		
BaPEq-POS	3179	(11')
Aroclor-1248	47	(8')
TPH-DRO	3700	(10.5')
Arsenic	7.6	(8')
Antimony	450 L	(10.5')
Arsenic	7.8	(10.5')
Chromium	460	(10.5')
Lead	6700	(10.5')

FIGURE 2-3

ANALYTES EXCEEDING INDUSTRIAL SCREENING STANDARDS AT TEST PIT DR-TP-A64, AUGUST 2012

LEGEND

- TEST PIT (2012)
- GROUNDWATER MONITORING WELL
- ABANDONED WELL
- MARYLAND AIR NATIONAL GUARD BOUNDARY

Sample ID
Analyte Concentration Depth(ft)

Concentrations for BaPEq-POS are in units of ug/kg.
Concentrations for TPH-DRO, PCBs and Metals are in units of mg/kg.
mg/kg= milligrams per kilogram
ug/kg= micrograms per kilogram
L = Biased Low
BaPEq-POS = Benzo(a)pyrene Equivalents calculated based upon positive detections only
MDE = Maryland Department of the Environment
TPH = Total Petroleum Hydrocarbons
DRO = Diesel-Range Organics
PCBs = Polychlorinated Biphenyls

Screening Level in ug/kg:

	Industrial
BaPEq	2100
Total PCBs (as Total Aroclors)	1400

MDE Screening Levels in mg/kg:

	Industrial
TPH-DRO	620
Antimony	41
Arsenic	1.9
Chromium	310
Lead	1000

There are no exceedances of the Industrial standards for Volatile Organic Compounds.

Aerial photograph provided by U.S. Geological Survey.

Dump Road Area
Lockheed Martin, Martin State Airport
Middle River, Maryland

0 100 200 Feet

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Section 3
Site Characterization Approach and Methodology

This section summarizes the approach and methods used for the 2016 Dump Road Area (DRA) polychlorinated biphenyl (PCB) site characterization at test pit DR-TP-A64. Sampling results are in Section 4, and details of the proposed soil-cleanup action are in Section 5. Field activities under this task included: mobilization/demobilization; pre-excavation soil/waste-profile sampling; *in situ* direct-push technology (DPT) soil sampling; and investigation-derived waste (IDW) management. The 2016 PCB site characterization included the following activities:

- obtaining utility clearances, access arrangements, and associated permits for intrusive investigations from Martin State Airport (MSA), Maryland Aviation Administration (MAA), and Maryland Air National Guard (MDANG) to conduct field activities
- minor clearing of brush and vegetation
- collecting soil cores and samples via DPT to delineate the extent of PCBs in soil around former test pit DR-TP-A64
- collecting a pre-excavation waste-profile sample as required by the soil disposal facility (US Ecology in Belleville, Michigan)
- performing laboratory chemical analyses on the soil samples
- validating the analytical results
- evaluating environmental sampling data for this report

3.1 MOBILIZATION/DEMOBILIZATION

Tetra Tech procured the required subcontractors and began mobilization in September 2016. Mobilization included:

- coordinating site access with Lockheed Martin Corporation (Lockheed Martin) and MSA facilities personnel

- obtaining utility clearance for the proposed soil borings through the "Miss Utility" clearinghouse and a private utility-locating firm, as described in Section 3.2
- mobilizing subcontractors, equipment, personnel, and materials to the site
- implementing a site-specific health and safety plan (HASP)
- arranging a decontamination area

Demobilization at work completion included:

- demobilizing equipment and materials from the site
- performing general site cleanup and trash removal
- repairing landscaping, ground, and other surfaces as necessary
- managing IDW (as described in Section 3.3.7)

The Tetra Tech, Inc. (Tetra Tech) field operations leader coordinated mobilization/demobilization, ensured that equipment was available, purchased and leased equipment as required, and staged equipment for efficient loading/transport to and from the site after each activity. Appropriate Tetra Tech personnel familiarized themselves with the site-specific HASP and the respective safe work permits therein. Tetra Tech held mandatory health and safety tailgate meetings for all workers involved, including subcontractors, before each day's field events.

3.2 SITE ACCESS, PERMITS, AND UTILITY CLEARANCE

Tetra Tech obtained the required access agreements and permits and completed the required utility-clearance activities before starting fieldwork. Site preparation included:

- notifying the "Miss Utility" underground-utility-location center (1-800-257-7777; www.missutility.net)
- reviewing facility and site utility maps
- following *Enterprise Operations 28* (Lockheed Martin, 2008) by using the Lockheed Martin "dig authorization" form (Lockheed Martin, 2009a and 2009b). (The activities described herein were not carried out on Lockheed Martin-owned or operated property, so signatures of Lockheed Martin representatives were obtained at the discretion of the approving personnel.)
- obtaining required permits from MAA (airport zoning permit, building inspection permit, and the digging authorization permit) for the proposed work before beginning any drilling

- contracting a private utility-locating firm (Enviroscan, Inc. [Enviroscan] of Lancaster, Pennsylvania) to mark any subsurface utilities/anomalies

Tetra Tech worked closely with MSA, MAA, and their tenants to inform all parties of the field schedule. The project team conducted a site walk to observe current operations, structures, and ground conditions, and noted topography, vegetation, and ground-surface anomalies that could represent possible constraints on field activities. Permit information is in Appendix A.

Each boring location was screened for subsurface utilities. A Maryland "Miss Utility" ticket was obtained and Enviroscan marked on the ground surface any underground utilities and subsurface geophysical anomalies found in the study areas. Enviroscan used typical utility-locating equipment representing the best available technology, including a Fisher TW-6 electromagnetic pipe-and-cable locator/tracer, a RadioDetection cable-avoidance tool with Genny pipe- and cable-locator/tracer, a RadioDetection model RD4000 multi-frequency pipe- and cable-tracer, and a GSSI SIR-2000 ground-penetrating radar system. All utilities within a 30-foot radius of each designated sampling location were marked with paint on the ground. Permits, the "Miss Utility" clearance, and the Enviroscan utility-screening report are in Appendix A. Access to the DRA was coordinated through MSA operations. Tetra Tech maintained radio communication with the MSA air traffic control tower during field activities and informed MSA of the daily field schedule.

3.3 FIELD METHODOLOGY

Methods used for the site characterization are discussed in the following sections. Methods are provided for DPT soil sampling, pre-excavation waste-profile sampling, and cleaning of sampling equipment.

3.3.1 DPT Soil Sampling and Chemical Analyses

Sixty-six soil samples spaced in a 10-foot grid (Figure 3-1) were collected from nine borings (SB-250 through SB-258) around previous test-pit sampling location DR-TP-A64-08 on September 19–20, 2016. Seven samples were collected from each boring, except for boring SB-254, where four samples were collected due to shallow groundwater at approximately seven feet below ground surface. Soil samples were collected at depth intervals of 0–3 inches (0-0.25 foot), 24–27 inches (2–2.25 feet), 48–51 inches (4–4.25 feet), 72–75 inches (6–6.25 feet), 96–99 inches (8–8.25 feet), 120–123 inches (10–10.25 feet) and 144–145 inches (12–12.1 feet).

Soil borings were advanced by a Maryland-licensed driller using a mobile all-terrain-vehicle DPT drill rig. DPT macrocores (advanced in five foot increments to a depth of 15 feet below grade) were collected for lithologic description and field screening. Soil descriptions were documented on a lithologic log prepared by a qualified and experienced geologist. Soil samples were screened with a photoionization detector (PID) using a consistent-headspace screening methodology (i.e., zip-top bag technique).

The field geologist documented pertinent information, including visual evidence of possible contamination (e.g., waste material, staining, discolorations, and odors). Soil boring locations were located using global positioning system (GPS). Soil boring logs and sample log sheets are in Appendix B. Boreholes were backfilled with granular bentonite up to the ground surface. Push rods and stainless steel samplers were decontaminated between boring locations to prevent cross-contamination of soil samples.

Soil samples were analyzed for PCB Aroclors using SW-846 Method 8082A, with chemical extraction by SW-846 Methods 3500B/3540C. Samples were analyzed by TestAmerica, Inc. of North Canton, Ohio, a laboratory accredited by the United States Department of Defense Environmental Laboratory Accreditation Program, the United States Department of Agriculture, the National Environmental Laboratory Accreditation Program (10 states), and seven state programs.

3.3.2 Pre-Excavation Soil-Profiling Sampling

Tetra Tech obtained a pre-excavation soil sample to provide a chemical profile as required by the Lockheed-Martin-approved disposal facility (US Ecology in Belleville, Michigan). Disposal facilities typically require one profile sample per 100–500 cubic yards (cy) of soil or material. We assume that a soil volume of approximately 20 cy will be excavated from the test pit DR-TP-A64 area. Therefore, one composite pre-excavation soil sample DR-TP-A64EX was collected for waste characterization purposes. The composite sample was composed of soil collected from three locations at the assumed full-depth-excavation range. The pre-excavation soil sample was analyzed by TestAmerica for PCB Aroclors using SW-846 Method 8082A (with chemical extraction by SW-846 Methods 3500B/3540C) and for full toxicity characteristic leaching procedure (TCLP) analyses, as listed in Table 3-1.

3.3.3 Sample Nomenclature

Each PCB soil sample collected during the soil investigation phase was identified with a unique sample identification tag. The sample identification tag consists of the designation "DR-SB" (for Dump Road soil boring) followed by the boring number, followed by the depth below grade (in inches) at which the sample was collected. For example, the sample identified as DR-SB-250-24-27 is the soil sample collected from soil boring number 250 at a depth of 24-27 inches below grade. The soil waste-characterization sample was labeled "DR-WC" (for Dump Road waste characterization), followed by an "S" (for soil) and "TP64."

3.3.4 Documentation

A master site logbook was maintained for the site as an overall record of field activities. Soil encountered in the soil borings was described on a soil boring and test pit log by a qualified geologist using the Unified Soil Classification System (Appendix B). The test pit logs note any cobbles, concrete, staining or waste encountered, and include field-screening results and groundwater depth (if encountered).

Sample-custody procedures document sample acquisition and integrity and consist of completed chain-of-custody (COC) reports and matrix-specific sample log sheets (Appendix B). The COC report is a standardized form that summarizes and documents pertinent sample information, such as sample identification and type, matrix, date and time of collection, preservation, and requested analyses. The COC and data-validation reports are in Appendix C.

3.3.5 Sample Handling

Sample handling includes field-related considerations concerning the selection of sample containers, preservatives, allowable holding times, and analyses requested. Proper COC procedures were followed throughout all phases of sample collection and handling to establish the evidentiary integrity of sample containers. These protocols demonstrate that the samples were handled and transferred in a manner that would eliminate (or detect) possible tampering.

Sample containers were released under signature from the laboratory and were accepted under signature by the samplers or other individual responsible for maintaining custody until the sample containers were transferred to the samplers. Transport containers returning to the laboratory were sealed with strapping tape and a tamper-resistant custody seal. The signature of the individual

releasing the transport container and the date and time of the transfer were written on the custody seal.

3.3.6 Equipment Decontamination

Drill rods were decontaminated before being brought on-site and again near the characterization area during fieldwork. Drill rods were decontaminated according to the procedures detailed in the "Self-Implementing" section of 40 CFR 761.79. This included using the double wash/rinse method to decontaminate nonporous surfaces, as described in Subpart S 761.372 (i.e., specific requirements for relatively clean surfaces). Decontamination procedures consisted of the following steps:

- ***First wash*—**reusable equipment, including the stainless steel drill rods, was scrubbed with an organic solvent (isopropanol). Rough surfaces were scrubbed with a scrub brush or disposable scrubbing pad, whereas smooth surfaces were wiped with a solvent-soaked absorbent pad. Scrubbing and wiping were done such that each square foot of the surface cleaned was wet for no less than one minute.

- Following the wetting procedures above, all surfaces were wiped with an absorbent material to soak up any excess solvent.

- ***First rinse*—**surfaces were wet with clean rinse-solvent such that the entire surface was very wet for one minute. Solvents were drained and contained. Residual solvent was wiped off the drained surface using a clean, disposable absorbent pad until liquid was no longer visible on the surface.

- ***Second wash*—**the *first wash* procedures described above were repeated.

Sampling equipment was decontaminated over a large container where all decontamination fluids were contained and subsequently placed in a United States Department of Transportation (USDOT)-approved 55-gallon steel drum for characterization and disposal.

3.3.7 Waste Management

All miscellaneous IDW material (e.g., soil cores and decontamination water) was collected in new or reconditioned USDOT-approved 55-gallon steel drums. Soil was generated from the residual soil cores following sample collection for laboratory analysis. Decontamination water was generated from decontaminating the DPT rods. IDW consisting of personal protective equipment was brushed off, placed in trash bags, and disposed of in a facility trash receptacle along with the alcohol decontamination absorbent pads.

All drums were properly labeled with relevant site information and a description of contents and moved to a central staging area on MSA for chemical/physical characterization and proper disposal. Samples of the IDW were collected and submitted for analysis for volatile organic compounds (VOCs), PCBs, TCLP metals, and ignitability, in accordance with the receiving facility requirements. All drums were properly labeled and logged on a drum inventory form in accordance with the waste management plan. Drums were moved to a designated staging area in the central portion of the Dump Road Area and placed on secondary containment pads. Wastes were characterized and disposed of in accordance with applicable state and federal regulations. Clean Harbors of Baltimore, Maryland transported the drums to a Lockheed Martin-approved disposal facility (Clean Harbors, Baltimore [water] and Clean Harbors, Chattanooga [soil]) in accordance with the chemical profile. IDW forms are in Appendix D.

3.4 DATA MANAGEMENT

Laboratory data-handling procedures met the requirements set forth in the laboratory subcontract. All analytical and field data are maintained in the project files, which contain copies of the chain of custody forms, sampling log forms, sampling location maps, and data quality-assurance documentation.

3.4.1 Data Tracking and Control

A sample tracking system was used from the beginning to the end of sampling. The field operations leader coordinated sample tracking before field mobilization. Sample jar labels were handwritten in the field or pre-printed. Labels were reviewed to ensure their accuracy and adherence to work plan requirements. The project manager's (PM) assistant coordinated with the analytical laboratory to ensure that they were aware of the number and type of samples and analyses to expect.

When field sampling was underway, the field operations leader forwarded the chain of custody forms to the PM's assistant and to the laboratory on each day that samples were collected. The PM's assistant confirmed that the chain of custody form provided the information required by the work plan. This allowed early detection of errors made in the field so adjustments could be made while the field team was mobilized. The laboratory submitted an electronic deliverable for the sample delivery groups. When all electronic deliverables had been received from the laboratory, the PM's assistant confirmed that the laboratory had performed all analyses requested.

3.4.2 Sampling Information

Data from field measurements were recorded using the appropriate log sheets, as per Tetra Tech standard operating procedures. Reduction of field data entailed summarizing and presenting these data in tabular form. Reduction of laboratory data entailed manipulation of raw data-instrument output into reportable results. Laboratory data were verified by the group supervisor and by the laboratory's quality control/documentation department.

3.4.3 Project Data Compilation

The analytical laboratory generated an Adobe *Acrobat*® portable document format (PDF) file of the analytical data packages, as well as an electronic database deliverable. The electronic database was checked against the PDF file provided by the laboratory and updated as required, based on data qualifier flags applied during data validation. Data generated were incorporated into the MSA environmental geographic information system (EGIS) database. All data (such as units of measure and chemical nomenclature) were checked to maintain consistency with the project database.

3.4.4 Geographical Information System

The data management system for this investigation consisted of a relational database and EGIS to manage environmental information pertaining to MSA. The relational database stores chemical, geological, hydrogeological, and other environmental data collected for the MSA environmental investigations. The EGIS is built from the relational database, and contains subsets of the larger data pool. Using EGIS, environmental data were posted onto base maps to graphically present information for this report.

3.5 DATA REVIEW

Data validation involves having a party independent of the analytical laboratory review the laboratory data to ensure that specific criteria were met. These criteria are concerned with specifications that are not sample-dependent; they specify performance requirements that should be fully under a laboratory's control. For organic data analyses, specific validation areas include blanks, performance-evaluation-standard materials, and instrument-performance checks. For metals data analyses (e.g., TCLP), specific validation areas include blanks, calibration standards, calibration-verification standards, laboratory-control standards, and interference-check standards. Chemical data for this investigation were validated by Tetra Tech's data validation group in Pittsburgh, Pennsylvania.

Chemical data were supplied by the laboratory as hard-copy reports and electronic databases and were validated to assess their reliability and accuracy in accordance with established USEPA protocols. This review was based on USEPA Region 3 guidelines (USEPA, 1993 and 1994) and the specifics of the analytical method employed. The data-validation report (with chain-of-custody forms) and a data table that includes all sampling results (including non-detects) are in Appendices C and E, respectively.

Collectively, these data are acceptable for their intended use. For this validation, the following data qualifiers (i.e., flags) were applied to the chemical results presented in this report:

J The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the reporting limit).

J+ The result is an estimated quantity, but the result may be biased high.

NJ The instrument was not calibrated for these tentatively identified compounds, therefore, the detected compounds were qualified as estimated and assumed to be presumptively present.

U The analyte is considered not detected at the reported value.

UJ The analyte was not detected. However, the quantitation or detection limit may be inaccurate or imprecise.

These qualifiers appear in the chemical results tables in Section 4 and in Appendices C and E.

Table 3-1
Site Characterization Sampling and Chemical Analyses
Dump Road Area PCB Site-Characterization at Test Pit DR-TP-A64—2016
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 1 of 2

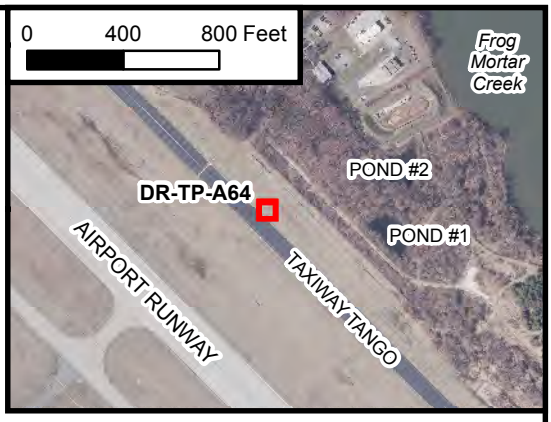
Sample ID	Sampling location	Analysis (method)	Rationale/purpose
DR-TP-A64EX	One composite soil sample from the excavation area	PCBs (USEPA SW-846 8082A) TCLP VOCs, TCLP SVOCs, TCLP metals, TCLP herbicides/pesticides (USEPA SW-846 1311 [leaching procedure], 8260C, 8270D, 6010B/7470/7471A, 8081A, 8151A)	Provide soil/waste chemical-profile to determine soil/waste transportation and disposal requirements.
DR-SB-250 through DR-SB-258	Soil borings in a 10-foot by 10-foot grid pattern around former test pit DR-A-64	PCBs (USEPA SW-846 8082A)	Soil samples were collected from the immediate vicinity of test pit DR-TP-A64 to delineate PCBs in soil in excess of the proposed soil cleanup goal (25 mg/kg).

DR—Dump Road (for sample ID)
mg/kg—milligram(s) per kilogram
MSA —Martin State Airport
PCBs—polychlorinated biphenyls
RCRA—Resource Conservation and Recovery Act
SB—soil boring
TCLP—toxicity characteristic leaching procedure
TP—test pit
TSCA—Toxic Substances Control Act
USEPA—United States Environmental Protection Agency
VOCs—volatile organic compounds

Table 3-1
Site Characterization Sampling and Chemical Analyses
Dump Road Area PCB Site-Characterization at Test Pit DR-TP-A64—2016
Lockheed Martin, Martin State Airport, Middle River, Maryland
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Sample ID	Sampling location	Analysis (method)	Rationale/purpose
MSA-SO-WC-101816 MSA-AQ-WC-101816	Investigation-derived wastes	VOCs (USEPA SW-846 8260C) PCBs (USEPA SW-846 8082A) TCLP metals (USEPA SW-846 6010B/7470/7471A) RCRA ignitability (USEPA SW-846 1010A or 1030 or equivalent)	Provide waste chemical-profile for determining waste transportation and disposal requirements.

DR—Dump Road (for sample ID)
mg/kg—milligram(s) per kilogram
MSA —Martin State Airport
PCBs—polychlorinated biphenyls
RCRA—Resource Conservation and Recovery Act
SB—soil boring
TCLP—toxicity characteristic leaching procedure
TP—test pit
TSCA—Toxic Substances Control Act
USEPA—United States Environmental Protection Agency
VOCs—volatile organic compounds



LIMIT OF RIGHT OF WAY

DR-SB-252

DR-SB-251

DR-SB-255

DR-SB-250

DR-A-64

DR-SB-254

DR-SB-258

	Concentration	Depth (feet
DR-TP-A64	(mg/kg)	below grade)
AROCLOR-1248	47	8

DR-SB-257

DR-SB-253

DR-SB-256

TAXIWAY TANGO

LEGEND

- TEST PIT - 2012
- SOIL BORING LOCATION - 2016
- MARYLAND AIR NATIONAL GUARD BOUNDARY

MG/KG = MILLIGRAMS PER KILOGRAM

0 5 10 Feet

N

FIGURE 3-1

SOIL BORING LOCATIONS NEAR TEST PIT DR-TP-A64

Dump Road Area
Lockheed Martin, Martin State Airport
Middle River, Maryland

DATE MODIFIED: 01/17/17

CREATED BY: JEE

TETRA TECH

Map Document: (P:\GIS\Lockheed_MSA\MapDocs\MXD\TempDec16\dump_road_tp-a64_aroclor_results.mxd)
01/17/17 -- JEE

Section 4
Site Characterization Results

Validated chemical data from the soil samples collected at the test pit DR-TP-A64 area were used to generate a statistical summary table (Table 4-1) and a table summarizing positive detections of chemical analytes (Table 4-2). Samples were analyzed for Aroclor polychlorinated biphenyls (PCBs). Results of the composite waste-profile sample are in Table 4-3.

Test pit and site characterization sampling results are on Figure 4-1. The circle size on the figure represents the seven sampling depths (0–0.25 foot; 2–2.25 feet; 4–4.25 feet; 6–6.25 feet; 8-8.25 feet; 10–10.25 feet, and 12–12.1 feet [at DR-TP-A64 only]) at which samples were collected, and the colors indicate the concentration ranges. Each color represents one of five suitable land use categories, as summarized below and as set forth in *Code of Federal Regulations* (CFR), Title 40, Chapter 1, Part 761 (40 CFR Part 761). All PCB concentrations were lower than 10 mg/kg; therefore, only green and yellow are presented on Figure 4-1.

Color	PCB concentration	Suitable for land use in:
Green	≤1 mg/kg	high-occupancy areas (i.e., residential land use)
Yellow	>1 mg/kg and <10 mg/kg	high-occupancy areas, if covered by a cap
Orange	>10 mg/kg and <25 mg/kg	low-occupancy areas only (with no restrictions or modification)
Red	>25 mg/kg and <50 mg/kg	low-occupancy areas with restricted access (e.g., fenced)
Purple	>50 mg/kg	low-occupancy with a cap if less than 100 mg/kg

Major findings of the soil-sample chemical analyses are as follows:

- No PCB results exceeded the Toxic Substances and Control Act (TSCA) special handling-and-disposal concentration of 50 milligrams per kilogram (mg/kg).
- No PCB results exceeded the cleanup level of 25 milligrams per kilogram (mg/kg); therefore, PCB concentrations in soil below the proposed cleanup concentration (25 mg/kg) were fully delineated, both horizontally and vertically.
- The highest PCB concentration was detected in soil boring DR-SB-255-120–123 (5.7 mg/kg). PCBs were detected in the deeper (12–12.1-feet below grade) soil sample

(DR-SB-255-144–145) at this location at a concentration of 0.27 mg/kg, which is below the proposed cleanup level of 25 mg/kg.

- DR-SB-255 is on the eastern side of the sample grid, approximately 10 feet east of the former test-pit sampling location DR-TP-A64.

- All but two of the soil samples collected either had PCB concentrations below 1 mg/kg (high-occupancy concentration with no further conditions needed), or were non-detect for PCBs.

- PCB concentrations were between 1 mg/kg and 10 mg/kg in two samples (DR-SB-255-96-99 [1.1 mg/kg] and DR-SB-255-120–123 [5.7 mg/kg]), and all other PCB concentrations were below 1 mg/kg.

- In 2012, the concentrations of both total Aroclors and Aroclor 1248 detected in the eight-foot test pit sample at location DR-TP-A64-08 (47 mg/kg) exceeded MDE's residential (0.32 mg/kg) and industrial (1.4 mg/kg) screening levels. Below that depth, at 10.5 feet below ground surface, PCBs were detected at a concentration of 0.087 mg/kg, which is below the proposed cleanup level (25 mg/kg). Current results indicate that exceedances of the proposed cleanup level were reserved to the original test pit sample collected in 2012 at a depth of eight feet. The highest PCB concentration detected in soil in September 2016 was 5.7 mg/kg, detected at a depth of 10–10.25 feet approximately 10 feet east of the original 2012 test pit sampling location.

- Table 4-3 summarizes positive detections of compounds in the composite-soil disposal-profile sample. Appendix C contains all of analytical results for waste disposal characterization. These results indicate that total PCBs, along with toxicity characteristic leaching procedure (TCLP) semivolatile organic compounds (SVOCs), pesticides, herbicides, mercury, and silver, were not detected in the composite-soil disposal-profile sample. Concentrations of TCLP VOCs and TCLP metals are less than the TCLP limits used to establish a characteristically hazardous waste in accordance with 40 CFR Part 261. Therefore, soil to be excavated and disposed of from the test pit TP-64 site is not considered characteristically hazardous, in accordance with 40 CFR Part 261.

Table 4-1

Statistical Summary of Soil Chemical Results
Taxiway Tango Test Pit DR-TP-A64 PCB Soil Characterization-2016
Lockheed Martin, Martin State Airport, Middle River, Maryland

Parameter	Frequency of Detection	Percent Detected	Minimum Detection Limit		Maximum Detection Limit		Minimum Concentration Detected		Maximum Concentration Detected		Location of Maximum Concentration Detected	Sample of Maximum Detected Concentration	Average of All Results	Average of Positive Results	Standard Deviation
PCBs (µg/kg)															
AROCLOR-1254	31/60	52	15	U	20	U	17	J	5700	J+	DR-SB-255	DR-SB-255-120-123	170.17	321.65	750.03
AROCLOR-1262	2/60	3	8.5	U	100	U	21	J	28	J	DR-SB-254	DR-SB-254-0-3	6.56	24.50	7.25

µg/kg - micrograms per kilogram
J - estimated value
PCBs - polychlorinated biphenyls
U - not detected at concentration shown

Associated Samples:

DR-SB-250-0-3	DR-SB-251-24-27	DR-SB-252-96-99	DR-SB-254-48-51	DR-SB-256-120-123	DR-SB-257-48-51
DR-SB-250-120-123	DR-SB-251-48-51	DR-SB-253-0-3	DR-SB-254-72-75	DR-SB-256-144-145	DR-SB-257-72-75
DR-SB-250-144-145	DR-SB-251-72-75	DR-SB-253-120-123	DR-SB-255-0-3	DR-SB-256-24-27	DR-SB-257-96-99
DR-SB-250-24-27	DR-SB-251-96-99	DR-SB-253-144-145	DR-SB-255-120-123	DR-SB-256-48-51	DR-SB-258-0-3
DR-SB-250-48-51	DR-SB-252-0-3	DR-SB-253-24-27	DR-SB-255-144-145	DR-SB-256-72-75	DR-SB-258-120-123
DR-SB-250-72-75	DR-SB-252-120-123	DR-SB-253-48-51	DR-SB-255-24-27	DR-SB-256-96-99	DR-SB-258-144-145
DR-SB-250-96-99	DR-SB-252-144-145	DR-SB-253-72-75	DR-SB-255-48-51	DR-SB-257-0-3	DR-SB-258-24-27
DR-SB-251-0-3	DR-SB-252-24-27	DR-SB-253-96-99	DR-SB-255-72-75	DR-SB-257-120-123	DR-SB-258-48-51
DR-SB-251-120-123	DR-SB-252-48-51	DR-SB-254-0-3	DR-SB-255-96-99	DR-SB-257-144-145	DR-SB-258-72-75
DR-SB-251-144-145	DR-SB-252-72-75	DR-SB-254-24-27	DR-SB-256-0-3	DR-SB-257-24-27	DR-SB-258-96-99

Table 4-2
PCBs Detected in Test Pit DR-TP-A64 and Surrounding Soil Samples
Taxiway Tango Test Pit DR-TP-A64 PCB Soil Characterization-2016
Lockheed Martin, Martin State Airport, Middle River, Maryland

LOCATION	DR-SB-250					
SAMPLE ID	DR-SB-250-0-3	DR-SB-250-24-27	DR-SB-250-48-51	DR-SB-250-72-75	DR-SB-250-96-99	DR-SB-250-120-123
SAMPLE DATE	20160919	20160919	20160919	20160919	20160919	20160919
MATRIX	SO	SO	SO	SO	SO	SO
TOP DEPTH - INCHES (FEET)	0 (0)	24 (2)	48 (4)	72 (6)	96 (8)	120 (10)
BOTTOM DEPTH - INCHES (FEET)	3 (0.25)	27 (2.25)	51 (4.25)	75 (6.25)	99 (8.25)	123 (10.25)
PCBS (UG/KG)						
AROCLOR-1254	--	--	--	--	--	320 J
AROCLOR-1262	--	--	--	--	--	--
TOTAL AROCLOR	--	--	--	--	--	320

-- not detected
DR - Dump Road
J - estimated value
PCBs - polychlorinated biphenyls
SB - soil boring
SO - soil
µg/kg - micrograms per kilogram

Table 4-2
PCBs Detected in Test Pit DR-TP-A64 and Surrounding Soil Samples
Taxiway Tango Test Pit DR-TP-A64 PCB Soil Characterization-2016
Lockheed Martin, Martin State Airport, Middle River, Maryland

LOCATION	DR-SB-250	DR-SB-251				
SAMPLE ID	DR-SB-250-144-145	DR-SB-251-0-3	DR-SB-251-24-27	DR-SB-251-48-51	DR-SB-251-72-75	DR-SB-251-96-99
SAMPLE DATE	20160919	20160919	20160919	20160919	20160919	20160919
MATRIX	SO	SO	SO	SO	SO	SO
TOP DEPTH - INCHES (FEET)	144 (12)	0 (0)	24 (2)	48 (4)	72 (6)	96 (8)
BOTTOM DEPTH - INCHES (FEET)	145 (12.1)	3 (0.25)	27 (2.25)	51 (4.25)	75 (6.25)	99 (8.25)
PCBS (UG/KG)						
AROCLOR-1254	62 J	--	17 J	--	--	--
AROCLOR-1262	--	--	--	--	--	--
TOTAL AROCLOR	62	--	17	--	--	--

-- not detected
DR - Dump Road
J - estimated value
PCBs - polychlorinated biphenyls
SB - soil boring
SO - soil
µg/kg - micrograms per kilogram

Table 4-2
PCBs Detected in Test Pit DR-TP-A64 and Surrounding Soil Samples
Taxiway Tango Test Pit DR-TP-A64 PCB Soil Characterization-2016
Lockheed Martin, Martin State Airport, Middle River, Maryland

LOCATION	DR-SB-251		DR-SB-252			
SAMPLE ID	DR-SB-251-120-123	DR-SB-251-144-145	DR-SB-252-0-3	DR-SB-252-24-27	DR-SB-252-48-51	DR-SB-252-72-75
SAMPLE DATE	20160919	20160919	20160920	20160920	20160920	20160920
MATRIX	SO	SO	SO	SO	SO	SO
TOP DEPTH - INCHES (FEET)	120 (10)	144 (12)	0 (0)	24 (2)	48 (4)	72 (6)
BOTTOM DEPTH - INCHES (FEET)	123 (10.25)	145 (12.1)	3 (0.25)	27 (2.25)	51 (4.25)	75 (6.25)
PCBS (UG/KG)						
AROCLOR-1254	61 J	--	--	130 J+	40 J	940
AROCLOR-1262	--	--	--	--	--	--
TOTAL AROCLOR	61	--	--	130	40	940

-- not detected
DR - Dump Road
J - estimated value
PCBs - polychlorinated biphenyls
SB - soil boring
SO - soil
µg/kg - micrograms per kilogram

Table 4-2
PCBs Detected in Test Pit DR-TP-A64 and Surrounding Soil Samples
Taxiway Tango Test Pit DR-TP-A64 PCB Soil Characterization-2016
Lockheed Martin, Martin State Airport, Middle River, Maryland

LOCATION	DR-SB-252			DR-SB-253		
SAMPLE ID	DR-SB-252-96-99	DR-SB-252-120-123	DR-SB-252-144-145	DR-SB-253-0-3	DR-SB-253-24-27	DR-SB-253-48-51
SAMPLE DATE	20160920	20160920	20160920	20160919	20160919	20160919
MATRIX	SO	SO	SO	SO	SO	SO
TOP DEPTH - INCHES (FEET)	96 (8)	120 (10)	144 (12)	0 (0)	24 (2)	48 (4)
BOTTOM DEPTH - INCHES (FEET)	99 (8.25)	123 (10.25)	145 (12.1)	3 (0.25)	27 (2.25)	51 (4.25)
PCBS (UG/KG)						
AROCLOR-1254	--	130	--	--	18 J	--
AROCLOR-1262	--	--	--	--	--	--
TOTAL AROCLOR	--	130	--	--	18	--

-- not detected
DR - Dump Road
J - estimated value
PCBs - polychlorinated biphenyls
SB - soil boring
SO - soil
µg/kg - micrograms per kilogram

Table 4-2
PCBs Detected in Test Pit DR-TP-A64 and Surrounding Soil Samples
Taxiway Tango Test Pit DR-TP-A64 PCB Soil Characterization-2016
Lockheed Martin, Martin State Airport, Middle River, Maryland

LOCATION	DR-SB-253				DR-SB-254	
SAMPLE ID	DR-SB-253-72-75	DR-SB-253-96-99	DR-SB-253-120-123	DR-SB-253-144-145	DR-SB-254-0-3	DR-SB-254-24-27
SAMPLE DATE	20160919	20160919	20160919	20160919	20160919	20160919
MATRIX	SO	SO	SO	SO	SO	SO
TOP DEPTH - INCHES (FEET)	72 (6)	96 (8)	120 (10)	144 (12)	0 (0)	24 (2)
BOTTOM DEPTH - INCHES (FEET)	75 (6.25)	99 (8.25)	123 (10.25)	145 (12.1)	3 (0.25)	27 (2.25)
PCBS (UG/KG)						
AROCLOR-1254	23 J	--	21 J	--	--	17 J
AROCLOR-1262	--	--	--	--	28 J	--
TOTAL AROCLOR	23	--	21	--	28	17

-- not detected
DR - Dump Road
J - estimated value
PCBs - polychlorinated biphenyls
SB - soil boring
SO - soil
µg/kg - micrograms per kilogram

Table 4-2
PCBs Detected in Test Pit DR-TP-A64 and Surrounding Soil Samples
Taxiway Tango Test Pit DR-TP-A64 PCB Soil Characterization-2016
Lockheed Martin, Martin State Airport, Middle River, Maryland

LOCATION	DR-SB-254		DR-SB-255			
SAMPLE ID	DR-SB-254-48-51	DR-SB-254-72-75	DR-SB-255-0-3	DR-SB-255-24-27	DR-SB-255-48-51	DR-SB-255-72-75
SAMPLE DATE	20160919	20160919	20160920	20160920	20160920	20160920
MATRIX	SO	SO	SO	SO	SO	SO
TOP DEPTH - INCHES (FEET)	48 (4)	72 (6)	0 (0)	24 (2)	48 (4)	72 (6)
BOTTOM DEPTH - INCHES (FEET)	51 (4.25)	75 (6.25)	3 (0.25)	27 (2.25)	51 (4.25)	75 (6.25)
PCBS (UG/KG)						
AROCLOR-1254	100	28 J	--	160	63	200 J+
AROCLOR-1262	--	--	21 J	--	--	--
TOTAL AROCLOR	100	28	21	160	63	200

-- not detected
DR - Dump Road
J - estimated value
PCBs - polychlorinated biphenyls
SB - soil boring
SO - soil
µg/kg - micrograms per kilogram

Table 4-2
PCBs Detected in Test Pit DR-TP-A64 and Surrounding Soil Samples
Taxiway Tango Test Pit DR-TP-A64 PCB Soil Characterization-2016
Lockheed Martin, Martin State Airport, Middle River, Maryland

LOCATION	DR-SB-255			DR-SB-256		
SAMPLE ID	DR-SB-255-96-99	DR-SB-255-120-123	DR-SB-255-144-145	DR-SB-256-0-3	DR-SB-256-24-27	DR-SB-256-48-51
SAMPLE DATE	20160920	20160920	20160920	20160919	20160919	20160919
MATRIX	SO	SO	SO	SO	SO	SO
TOP DEPTH - INCHES (FEET)	96 (8)	120 (10)	144 (12)	0 (0)	24 (2)	48 (4)
BOTTOM DEPTH - INCHES (FEET)	99 (8.25)	123 (10.25)	145 (12.1)	3 (0.25)	27 (2.25)	51 (4.25)
PCBS (UG/KG)						
AROCLOR-1254	1100 J	5700 J+	270 J+	--	--	17 J
AROCLOR-1262	--	--	--	--	--	--
TOTAL AROCLOR	1100	5700	270	--	--	17

-- not detected
DR - Dump Road
J - estimated value
PCBs - polychlorinated biphenyls
SB - soil boring
SO - soil
µg/kg - micrograms per kilogram

Table 4-2
PCBs Detected in Test Pit DR-TP-A64 and Surrounding Soil Samples
Taxiway Tango Test Pit DR-TP-A64 PCB Soil Characterization-2016
Lockheed Martin, Martin State Airport, Middle River, Maryland

LOCATION	DR-SB-256				DR-SB-257	
SAMPLE ID	DR-SB-256-72-75	DR-SB-256-96-99	DR-SB-256-120-123	DR-SB-256-144-145	DR-SB-257-0-3	DR-SB-257-24-27
SAMPLE DATE	20160919	20160919	20160919	20160919	20160920	20160920
MATRIX	SO	SO	SO	SO	SO	SO
TOP DEPTH - INCHES (FEET)	72 (6)	96 (8)	120 (10)	144 (12)	0 (0)	24 (2)
BOTTOM DEPTH - INCHES (FEET)	75 (6.25)	99 (8.25)	123 (10.25)	145 (12.1)	3 (0.25)	27 (2.25)
PCBS (UG/KG)						
AROCLOR-1254	--	--	--	32 J	--	--
AROCLOR-1262	--	--	--	--	--	--
TOTAL AROCLOR	--	--	--	32	--	--

-- not detected
DR - Dump Road
J - estimated value
PCBs - polychlorinated biphenyls
SB - soil boring
SO - soil
µg/kg - micrograms per kilogram

Table 4-2
PCBs Detected in Test Pit DR-TP-A64 and Surrounding Soil Samples
Taxiway Tango Test Pit DR-TP-A64 PCB Soil Characterization-2016
Lockheed Martin, Martin State Airport, Middle River, Maryland

LOCATION	DR-SB-257					DR-SB-258
SAMPLE ID	DR-SB-257-48-51	DR-SB-257-72-75	DR-SB-257-96-99	DR-SB-257-120-123	DR-SB-257-144-145	DR-SB-258-0-3
SAMPLE DATE	20160920	20160920	20160920	20160920	20160920	20160920
MATRIX	SO	SO	SO	SO	SO	SO
TOP DEPTH - INCHES (FEET)	48 (4)	72 (6)	96 (8)	120 (10)	144 (12)	0 (0)
BOTTOM DEPTH - INCHES (FEET)	51 (4.25)	75 (6.25)	99 (8.25)	123 (10.25)	145 (12.1)	3 (0.25)
PCBS (UG/KG)						
AROCLOR-1254	--	50 J	42 J	88	120 J	--
AROCLOR-1262	--	--	--	--	--	--
TOTAL AROCLOR	--	50	42	88	120	--

-- not detected
DR - Dump Road
J - estimated value
PCBs - polychlorinated biphenyls
SB - soil boring
SO - soil
µg/kg - micrograms per kilogram

Table 4-2
PCBs Detected in Test Pit DR-TP-A64 and Surrounding Soil Samples
Taxiway Tango Test Pit DR-TP-A64 PCB Soil Characterization-2016
Lockheed Martin, Martin State Airport, Middle River, Maryland

LOCATION	DR-SB-258					
SAMPLE ID	DR-SB-258-24-27	DR-SB-258-48-51	DR-SB-258-72-75	DR-SB-258-96-99	DR-SB-258-120-123	DR-SB-258-144-145
SAMPLE DATE	20160920	20160920	20160920	20160920	20160920	20160920
MATRIX	SO	SO	SO	SO	SO	SO
TOP DEPTH - INCHES (FEET)	24 (2)	48 (4)	72 (6)	96 (8)	120 (10)	144 (12)
BOTTOM DEPTH - INCHES (FEET)	27 (2.25)	51 (4.25)	75 (6.25)	99 (8.25)	123 (10.25)	145 (12.1)
PCBS (UG/KG)						
AROCLOR-1254	19 J	26 J	23 J	96	58 J	--
AROCLOR-1262	--	--	--	--	--	--
TOTAL AROCLOR	19	26	23	96	58	--

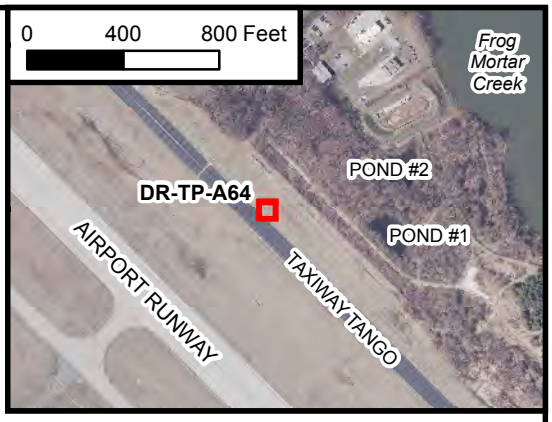
-- not detected
DR - Dump Road
J - estimated value
PCBs - polychlorinated biphenyls
SB - soil boring
SO - soil
µg/kg - micrograms per kilogram

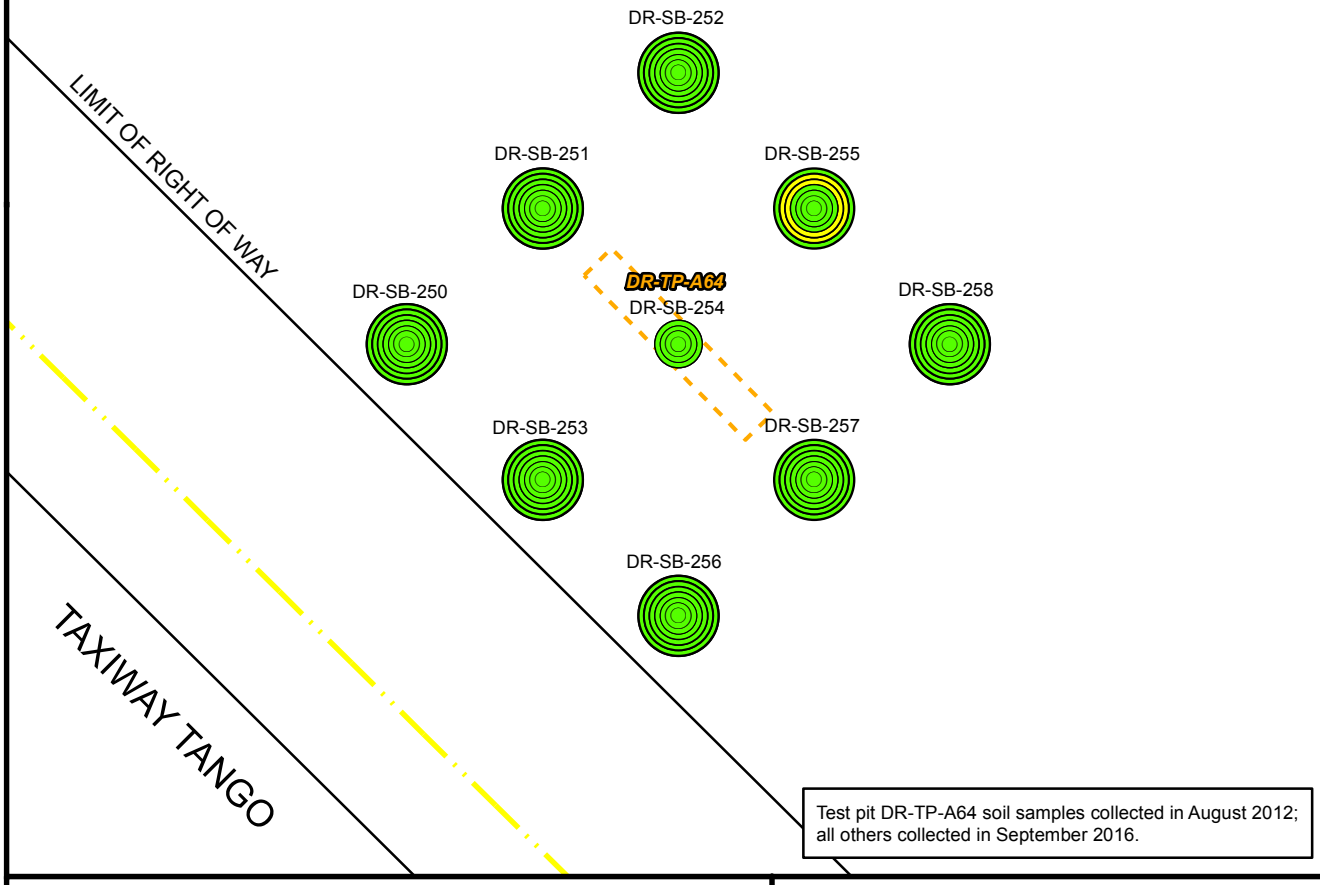
Table 4-3

Analytes Detected in the Disposal Characterization Soil Sample
Taxiway Tango Test Pit DR-TP-A64 PCB Soil Characterization-2016
Lockheed Martin, Martin State Airport, Middle River, Maryland

LOCATION	DR-TP-A64EX
SAMPLE ID	DR-TP-A64-PRE-EX
SAMPLE DATE	20160920
MATRIX	WS
TOP DEPTH	-9999
BOTTOM DEPTH	-9999
VOLATILES (UG/KG)	
1,2,3-TRIMETHYLBENZENE	3.4 J
1,2,4-TRIMETHYLBENZENE	10
1,2-DICHLOROPROPANE	0.88 J
2-BUTANONE	6.1 J
2-HEXANONE	4.6 J
4-ISOPROPYLTOLUENE	1.2 J
ACETONE	29
BENZENE	4.7 J
BROMODICHLOROMETHANE	0.46 J
CARBON DISULFIDE	0.9 J
CIS-1,2-DICHLOROETHENE	1.7 J
ETHYLBENZENE	13
ISOPROPYLBENZENE	2.8 J
M+P-XYLENES	56
METHYLENE CHLORIDE	3.2 J
N-PROPYLBENZENE	1.2 J
O-XYLENE	15
STYRENE	0.5 J
TOLUENE	1.4 J
TOTAL XYLENES	71
TRICHLOROETHENE	1.3 J
VINYL CHLORIDE	10
TENTATIVELY IDENTIFIED COMPOUNDS-VOLATILES	
1-HEXENE, 4-METHYL-	19 NJ
BENZENE, 1,3,5-TRIMETHYL-	9.8 NJ
CYCLOHEXANE	13 NJ
CYCLOHEXANE, 1,1,3-TRIMETHYL-	11 NJ
CYCLOHEXANE, 1,3-DIMETHYL-, CIS-	16 NJ
CYCLOHEXANE, 1,3-DIMETHYL-, CIS-(6.8)	9.4 NJ
CYCLOHEXANE, 1,4-DIMETHYL-	12 NJ
CYCLOHEXANE, ETHYL-	18 NJ
CYCLOPENTANE, 1,2,3-TRIMETHYL-, (1.ALPHA.,2.A	13 NJ
ISOPROPYLCYCLOBUTANE	8.9 NJ
TCLP METALS (MG/L)	
ARSENIC	0.011 J
BARIUM	0.66
CADMIUM	0.045 J
LEAD	0.21
MISCELLANEOUS PARAMETERS (F)	
FLASHPOINT	200 >

DR - Dump Road
J - estimated value
NJ - estimated tentatively identified compound
ug/kg - micrograms per kilogram
mg/L - milligrams per liter
TCLP - toxicity characteristic leaching procedure
WS - waste solid





Test pit DR-TP-A64 soil samples collected in August 2012; all others collected in September 2016.

LEGEND

SOIL SAMPLE TOTAL PCB CONCENTRATIONS

- < 1 mg/kg
- ≥ 1 and < 10 mg/kg
- ≥ 10 and < 25 mg/kg
- ≥ 25 and < 50 mg/kg
- ≥ 50 mg/kg
- OUTLINE OF FORMER TEST PIT
- MARYLAND AIR NATIONAL GUARD BOUNDARY

SOIL SAMPLE DEPTHS



- 0 - 0.25 feet
- 2 - 2.25 feet
- 4 - 4.25 feet
- 6 - 6.25 feet
- 8 - 8.25 feet
- 10 - 10.25 feet
- 12 - 12.1 feet

mg/kg = milligrams per kilogram

0 5 10 Feet

N

FIGURE 4-1

PCB CONCENTRATIONS IN SOIL SAMPLES COLLECTED AT AND NEAR TEST PIT DR-TP-A64

Dump Road Area
Lockheed Martin, Martin State Airport
Middle River, Maryland

DATE MODIFIED: 01/17/17

CREATED BY: JEE

TETRA TECH

Map Document: (P:\GIS\Lockheed_MSA\MapDocs\MXD\TempDec16\dump_road_tp-a64_soil_results_sep2016.mxd)
01/17/17 -- JEE

Section 5
Proposed Cleanup Action Plan

This section presents the proposed-cleanup action plan for soil with polychlorinated biphenyl (PCB) concentrations greater than 25 milligrams per kilogram (mg/kg) at test pit DR-TP-A64. The proposed project appears to qualify for cleanup of a PCB-contaminated site under United States Environmental Protection Agency (USEPA) self-implementing regulations for cleanup and disposal of PCB remediation waste (Title 40 *Code of Federal Regulations* Part 761 [40 CFR 761]) at a low-occupancy site. Institutional controls limiting access to the area will be implemented as part of the full-scale soil remedial action for the Dump Road Area (DRA).

The selected cleanup action involves excavation and disposal of PCB-impacted soil around former test pit DR-TP-A64. PCBs in soil have been fully delineated in both horizontal and vertical directions at concentrations less than the proposed cleanup concentration (25 mg/kg). Samples with PCB concentrations less than 25 mg/kg bound the sides and bottom of the 2012 test-pit sampling location (DR-TP-A64-8) with the PCB exceedance. The cleanup action will follow means and methods described in this proposed cleanup action plan and the procedures presented in the site-specific health and safety plan (HASP) and waste management plan (WMP) included as part of *Taxiway Tango and Frog Mortar Creek PCB Investigation Work Plan,* (Tetra Tech, Inc. [Tetra Tech], 2015b).

5.1 NOTIFICATIONS

At least 30 days before the PCB soil-cleanup action begins, Lockheed Martin will provide a signed letter certifying the location of all files related to the site characterization and cleanup plan, to certify that all sampling plans, sample collection and preparation procedures, extraction procedures, and instrument/chemical analysis procedures used to characterize the site are at this location and available for USEPA inspection. This document will satisfy the notification requirement for the self-implementing cleanup and disposal of PCB-remediation-waste activity under 40 CFR 761.61 (a)(3)(E). The certification content is in Appendix F. Lockheed Martin will also notify Martin State Airport (MSA) and the Maryland Air National Guard (MDANG) at least

30 days before conducting the cleanup. Tetra Tech and subcontractors will begin the cleanup upon receiving approval from these parties to proceed. Lockheed Martin will keep USEPA and MDE informed of relevant project matters, such as schedule changes, discovery of new contamination or of conditions such as those that were encountered at test pit DR-TP-A64, and results of confirmation samples.

5.2 PERMITS

Permits needed to conduct the soil cleanup include utility clearance from Maryland "Miss Utility" and a digging permit from the MSA owners/operators. Tetra Tech will obtain the required permits from the Maryland Aviation Administration (MAA) before beginning fieldwork. Experience indicates that the time required to obtain a permit from MAA is based largely on the meeting schedule and current workload of the MAA permit committee. Tetra Tech assumes that no MDE wetland or Federal Aviation Administration permits will be required to execute this project, based on our past project experience at MSA.

The proposed work is adjacent to Taxiway Tango. Following the same procedures as were used in prior projects at MSA, Tetra Tech will work closely with MSA, MAA, and their tenants to make all parties aware of the field schedule, and will coordinate with MSA and MDANG to minimize any effect on airport operations. Similar to several projects previously completed by Tetra Tech in airport critical areas, Tetra Tech will coordinate excavation activities around the MDANG flight schedule and will obtain a localized taxiway closure from MSA as necessary. A Baltimore County grading permit and an erosion- and sediment-control plan will not be required, because land disturbance for this project will not exceed 5,000 square feet, and because the project will not use more than 100 cubic yards (cy) of fill material.

5.3 TRAINING REQUIREMENTS

Tetra Tech personnel and subcontractors must be trained in accordance with all state and federal protocols. All personnel working on-site will complete the appropriate Occupational Safety and Health Administration (OSHA) hazardous waste operations and emergency response (HAZWOPER) training and annual refresher training, as specified in Title 29 of *Code of Federal Regulations* (CFR), Part 1910.120 (29 CFR 1910.120). All subcontractor training certifications will be provided electronically to the Tetra Tech project manager. Certificates for Tetra Tech personnel are maintained internally, and will be provided to Lockheed Martin upon request.

United States Department of Transportation (USDOT) regulations cover the responsibilities and training requirements for handling Toxic Substances Control Act (TSCA)-regulated waste. USDOT hazardous-materials (HAZMAT) employee training is required for anyone involved in the shipment, preparation, (offering for) transport, and transportation of hazardous waste, including signing hazardous waste manifests (see Title 49 CFR Part 172, Subpart H). The waste management subcontractor will have completed HAZMAT employee training and will renew the training as necessary to meet USDOT requirements for transporting hazardous waste. Facilities that generate more than 1,000 kilograms of hazardous waste per month must comply with the emergency preparedness and personnel training requirements outlined in 40 CFR §265.16 (see 40 CFR §262.34(a)(4)). This training is intended for the waste generator's (i.e., Lockheed Martin) contractors (i.e., Tetra Tech), and includes training by a person qualified in hazardous waste management and emergency response procedures. The above procedures and protocols will be followed even though the soil under this proposed excavation does not qualify as TSCA-regulated waste based upon the sampling results.

5.4 UTILITY CLEARANCE

The proposed excavation area will be cleared of utilities before any intrusive field activities begin. Utility clearance work and documentation will conform to the provisions of Lockheed Martin's *Remediation Contractor's ESH Handbook, Revision 4* (January 14, 2015) or latest update (Lockheed Martin, 2015). Tetra Tech will also follow the procedures outlined in the Lockheed Martin *Corporate Staff Procedure EO-28*—"Digging Projects." As directed in EO-28, the location survey for utilities and underground structures will include the appropriate equipment necessary to detect buried foundations and slabs, piping, direct-bury cables, and other buried conduits and structures, using the technologies appropriate to find the anticipated utilities (e.g., electromagnetic detector; ground-penetrating radar; acoustic plastic-pipe locator; probe, beacon, or trace wire; or cesium magnetometer). All such utilities and underground structures in the investigation area will be clearly marked on the ground surface with paint before excavation starts.

In addition to calling in a Maryland "Miss Utility" ticket, a private utility-locating service (Enviroscan, Inc.) will locate and mark any underground utilities and anomalies and identify any overhead utilities within the excavation area. Enviroscan will use standard utility-locating equipment representing the best available technology. Examples of such commonly used equipment include a Fisher TW 6 electromagnetic pipe- and cable-locator/tracer, a RadioDetection

cable-avoidance tool and Genny pipe- and cable-locator/tracer, a RadioDetection RD4000 multi-frequency pipe- and cable-tracer, and a Geophysical Survey Systems, Inc. (GSSI) subsurface-interface radar system (GSSI SIR 2000) ground-penetrating radar system. Located utilities will be marked on the ground with the appropriate paint color corresponding to each unique utility. A copy of all permits and reports will be retained on-site during the soil cleanup; these copies will be submitted as part of the final project report.

5.5 GENERAL EXCAVATION

The planned excavation area is seven feet by seven feet (see Figure 5-1). Soil sampling results indicate that concentrations of PCBs greater than 25 mg/kg occur above a depth of nine feet below grade. Therefore, soil will be excavated to a depth of 11 feet, and approximately 20-cubic yards (cy) (30 tons) of soil will be removed. The proposed excavation will be centered around former test-pit sampling location DR-TP-A64-8; this depth had PCB concentrations that exhibited the only exceedance (47 mg/kg) of the proposed cleanup level (25 mg/kg). The sample collected at 10.5 feet (DR-TP-A64-10.5) in the same test pit location had a total PCB concentration of 0.087 mg/kg, well below the proposed cleanup level. No samples collected from the nine borings during the September 2016 sampling exceeded the proposed cleanup level. The highest total PCB concentration (5.7 mg/kg) was in soil boring DR-SB-255, approximately 10 feet east of DR-TP-A64. This indicates that PCB concentrations above the proposed cleanup level are limited to a depth of no more than 10 feet below grade, and appear to be localized near former test pit DR-TP-A64.

Post-excavation confirmatory sampling must be done on a five-foot by five-foot grid, with a minimum of three samples for each type of bulk PCB remediation waste or porous surface obtained, regardless of the amount of each type of waste present. Post-excavation confirmation samples will be collected at 11 feet (i.e., at the bottom of the excavation), as will four other confirmatory samples, as described in Section 5.7, to verify that PCB concentrations above 25 mg/kg have been removed. Additional soil will be removed if the confirmation samples indicate PCBs at concentrations greater than 25 mg/kg, and additional confirmation samples will be collected after excavating that soil.

Tetra Tech's excavation subcontractor (Elite Environmental and Petroleum Services [EEPS] of Essex, Maryland) will use a rubber-tired or track-mounted backhoe to excavate soil.

PCB-containing materials (including soil and associated debris such as rocks, wood, concrete, glass, ash, etc.) will be transported by a Lockheed Martin-approved hazardous waste hauler for off-site disposal at a Lockheed Martin-approved disposal facility licensed to accept PCB wastes (US Ecology in Belleville, Michigan). The estimated volume of PCB remediation waste is 20 cy (approximately 30 tons). We anticipate that this amount can be removed from the site in no more than three standard dump-truck loads. We expect that excavated soil will be transported from the site on the day of excavation, due to the limited amount of soil excavated and the acceptance-approval obtained from the disposal facility. The waste-profile analyses for disposal will be conducted as required by US Ecology.

PCBs in soil at test pit DR-TP-A64 have been fully delineated to concentrations below 25 mg/kg. Soil sampling and logging do not indicate liquid PCB wastes, water, or other material that could not be transported via dump truck and disposed of at the selected landfill. Higher PCB concentrations and wider PCB distributions are not anticipated at test pit DR-TP-A64, because PCBs have been fully delineated (soil samples were collected every 10 feet horizontally and every two feet vertically) using methods acceptable to USEPA and required by 40 CFR 761. Additionally, the selected landfill can accept PCB concentrations higher than the maximum PCB concentration detected (47 mg/kg). Therefore, no obstacles requiring changes to the PCB-cleanup fieldwork, transportation, or disposal technology are expected for this site.

All excavations will be photo-documented. Tetra Tech will manage the site and oversee excavations. Excavation procedures are in the site-specific HASP and will be completed using a small-bucket excavator. The depth of the excavation will require the use of engineering controls (aluminum trench box) to stabilize the excavation walls, allowing for the excavation of the designated soils and the collection of confirmatory samples from the appropriate depths. We do not anticipate that dewatering will be required during excavation, however, if a significant amount of water enters the excavation, it will be pumped from the excavation, collected in a holding tank, and subsequently sampled for off-site disposal.

Excavated soil will be described and logged by a qualified and experienced geologist and screened for volatile organic compounds (VOCs) using a portable photoionization detector (PID) and a consistent-headspace screening technique (e.g., foil-sealed jar or zip-top bag). Waste materials (if any), soil type, and anthropogenic material encountered in the excavation will be documented in a field log and photographed. A global positioning system (GPS) unit capable of sub-meter accuracy

will be used to establish the coordinates at each end of the excavation. If unexploded ordnance, underground storage tanks, elevated VOCs, or any other anomalies or unsafe conditions are encountered, digging will be suspended and the area will be evacuated per the HASP. Site and project-contact personnel will be immediately notified of the work stoppage and site conditions, and the project team will then determine the path forward.

5.6 MANIFESTING AND DISPOSAL

Bulk remediation waste will likely be generated during the removal action. Before removal begins, analytical data obtained during the investigation will be used to characterize the soil according to the requirements of the disposal facilities and 40 CFR 761 Subpart D. The PCB rule in 40 CFR 761 addresses all PCB waste with concentrations greater than 1 mg/kg. This rule allows for soil with PCB concentrations between 1 mg/kg and 50 mg/kg to be disposed of in a Subtitle D lined solid-waste landfill. Under the requirements of 40 CFR 761.61, soil with PCB concentrations greater than 50 mg/kg may be disposed of in a hazardous waste landfill permitted by USEPA under section 3004 of the Resource Conservation and Recovery Act (RCRA), or at a state-authorized facility under Section 3006 of RCRA, or at a PCB disposal facility approved under 40 CFR 761. An *in situ* determination has been made regarding PCBs in soil at test pit DR-TP-64; therefore, we do not expect that any soil will be managed as TSCA-regulated waste (i.e., material having PCB concentrations greater than or equal to 50 mg/kg). After obtaining the delineation and waste-profile sampling results, this material will be loaded in trucks and transported to the US Ecology facility in Belleville, Michigan for land disposal.

Lockheed Martin may choose to issue a Lockheed Martin "Hazardous Waste Manifest Signatory Authorization Form" (see the waste management plan). This form authorizes a Lockheed Martin subcontractor to sign shipping documents for bulk remedial waste. The authorization certifies that the representative signing on behalf of Lockheed Martin has completed the appropriate USDOT training (as specified in 49 CFR Part 172, *et seq.*) to sign hazardous waste manifests, and is in compliance with all state and federal requirements for manifesting hazardous waste. Lockheed Martin will remain responsible and liable for the hazardous waste being disposed of, regardless of the signatory authorization on the form.

During project implementation, the Tetra Tech project manager (PM) or the PM's assistant will coordinate soil removal with the appropriate Lockheed Martin site contact. The Lockheed Martin

site contact (or authorized representative) will be on-site to sign the bills of lading (for nonhazardous wastes). Signed copies of the returned bills of lading will be kept on file for a minimum of three years as required under 40 CFR 761.214, and notification, certification, and cleanup records will be kept on file for a minimum of five years as required under 40 CFR 761.61 (a). The signed documentation for transporting waste off-site will be properly filed and available for review upon request.

The receiving landfill will provide a draft bill of lading (for nonhazardous shipments) for all shipments before trucks arrive on-site. Bills of lading will provide information as required by 40 CFR Subpart K, "PCB-Waste Disposal Records and Reports." Tetra Tech will review the draft documents for accuracy and completeness, complete the load-specific information, and approve the document before shipment.

Before wastes leave the site, the Lockheed Martin site contact or their authorized representative will complete a waste shipment checklist and a waste identification and classification form (see the waste management plan). Completion of this checklist documents that all protocols, standards, and requirements have been adhered to and that the waste can be properly removed from the site. The checklist helps document that the truck is fitted with the proper waste placards, is properly constructed with double-walled containment, and that the waste manifests and bills of lading contain the proper information. Soil will be removed from the site after the Lockheed Martin representative has completed the checklist. Both the Lockheed Martin representative and Tetra Tech site personnel will then receive a copy of the associated paperwork. Tetra Tech will record the shipment on a master waste-shipment form.

The waste management plan contains a site-contact list to be used as a reference in case of emergency, or if questions arise regarding waste disposal. An emergency contingency plan has been incorporated into the on-site HASP. This plan complies with all current and applicable requirements including, but not limited, to OSHA 29 CFR 1903, 1904, 1910, and 1926. Lockheed Martin will be listed as the waste generator on all paperwork. The remediation areas associated with this cleanup are identified for waste disposal by USEPA identification number MDR000524413.

5.7 POST-EXCAVATION CONFIRMATORY SAMPLING

After excavation is complete, samples will be collected to confirm that the cleanup goal (in compliance with 40 CFR Part 761, Subpart O of the PCB regulations) has been achieved. Post-excavation confirmation samples must be collected within a five-foot by five-foot grid, with a minimum of three samples collected for each type of bulk-PCB remediation waste or porous surface, regardless of the amount of each type of waste present. However, because of the small size of the excavation (seven-feet by seven-feet and 11 feet deep), confirmation samples will be collected from the base of the excavation directly below the previous (2012) sampling location DR-TP-A64-8 (the location that had a PCB concentration of 47 mg/kg), and at the base of each excavation sidewall, for a total of five samples. Sampling to a maximum depth of three inches below the floor of the excavation will be conducted using the excavator bucket. Additional samples may be collected if the excavation is larger than expected, or if distinct types of material remain in the excavation base.

Post-excavation confirmation samples will bear the sample-identification designation “DR-CS” (for Dump Road confirmation sample), followed by the sequential sample number (i.e., -01 through -05), and a unique identifier representing the type of soil sampled (if present). For example, sample DR-CS-02-SS would be a confirmation soil sample collected from location -02 in sandy soil (SS). If no variations in soil type are found within the excavation, then the location of the sample within the excavation and its compass direction are used after the number. For example, “B” and “W” will indicate samples collected from the “bottom” and “wall” of the excavation, respectively, and suffixes such as “NW” and “N” indicate compass directions “northwest” and “north.” The location and depth of the soil sample will also be recorded on a sketch.

5.8 BACKFILLING AND SITE RESTORATION

A trench box will be used to stabilize the excavation walls and to keep the hole open temporarily while the confirmatory soil samples are sent to the laboratory for expedited analysis. Tetra Tech will obtain prior approval from MAA to maintain the open hole while awaiting the results of the confirmatory soil samples. If confirmation samples have concentrations above the PCB-cleanup concentration, the excavation will be further excavated. However, confirmation samples are not expected to exceed the proposed soil-cleanup level, because the excavation limits are based on PCB data obtained from numerous soil borings.

The excavation will be properly demarcated and secured using posts, construction fencing and caution tape. Following receipt of the expedited laboratory results below the proposed soil-cleanup level, the excavation contractor will use clean fill from an off-site source to fill the excavation to within six inches of the ground surface. The top six inches of the excavation will then be backfilled with topsoil. The surface will be covered with grass seed and straw. If MAA deems the soil stabilization unsatisfactory due to its proximity to Taxiway Tango, sod may be used in lieu of grass seed and straw.

5.9 SITE SURVEY

A qualified, Maryland-licensed land surveyor will document the excavation limits (length, width, and depth), backfill, and restoration. This information will be presented in a stamped survey plan. The quality of this survey will be sufficient for use in land-use restrictions and any deed restrictions that may be necessary in the future. Surveyed locations will be accurate to the nearest 0.01 foot for vertical elevations in the North American Vertical Datum 1988, and to the nearest 0.1 foot for horizontal coordinates in the North American Datum 1983. This information will also be used to update the MSA environmental geographic information system (EGIS).

5.10 LABORATORY ANALYSES

Post-excavation soil samples for the cleanup action, and one IDW water sample, will be analyzed for PCB Aroclors using SW-846 Method 8082A, with chemical extraction by SW-846 Methods 3500B/3540C. One water sample will be collected from decontamination rinsate for waste characterization and disposal. The sample will be analyzed for VOCs, PCBs, toxicity characteristic leaching procedure (TCLP) metals, and ignitability. Profiles will be generated for off-site disposal based on the analytical results.

The laboratory will provide trip blanks. One trip blank will be analyzed per cooler of VOC samples; no other quality assurance/quality control samples will be collected. All samples will be analyzed on a 15-day turnaround time. TestAmerica, Inc. (TestAmerica) of North Canton, Ohio will be the analytical laboratory for the project. TestAmerica's North Canton laboratory is accredited by the United States Department of Defense Environmental Laboratory Accreditation Program, the United States Department of Agriculture, the National Environmental Laboratory Accreditation Program (10 states), and seven state programs.

5.11 DATA HANDLING AND MANAGEMENT

A sample tracking system will be used to handle and manage project data. Tetra Tech will coordinate with the analytical laboratory to ensure that the laboratory is aware of the number, type, and schedule of samples shipped. After verification samples have been collected, the chain-of-custody forms will be forwarded to the Tetra Tech project chemist and TestAmerica. Tetra Tech will confirm that the chain-of-custody forms conform to the project requirements. A sample confirmation report from TestAmerica, listing samples logged and the tests associated with each sample, will be automatically e-mailed to the project chemist on the same day TestAmerica receives the samples. These procedures will allow for early detection of errors made in the field so that adjustments can be made before sample analysis starts.

TestAmerica will generate a portable document format (PDF) file of the analytical data packages, as well as electronic database deliverables (EDDs). The EDDs will then be submitted through the Tetra Tech *Laboratory Data Checker* application. *Laboratory Data Checker* will ensure that the EDDs meet the content and format requirements of the project. Electronic data submitted through *Laboratory Data Checker* will be processed by the environmental database coordinator for validation and database compilation. The environmental database coordinator will compile all formatted laboratory EDDs into a working project database.

After TestAmerica has reviewed sampling results and all quality control (QC) data have been verified as within limits, preliminary results and QC data will be available via a real-time online data-access system (*TotalAccess*). The analytical results will be automatically e-mailed to the Tetra Tech environmental database coordinator directly from the laboratory information management system (LIMS). Preliminary data will be provided by TestAmerica on *TotalAccess* within three days of sample receipt.

Tetra Tech data-validation chemists will then conduct a preliminary data-usability summary that will include an evaluation of data completeness, holding times, calibrations, laboratory-method-blank results, surrogate recoveries, laboratory control-sample results, and detection limits. This will ensure that the data are not rejected during the full data-validation that follows. This summary evaluation will allow a direct comparison to site-specific cleanup criteria, so that decisions for terminating the excavation and proceeding with backfilling can be made.

A second transmission of analytical results will be automatically e-mailed from TestAmerica—also directly from LIMS—to the Tetra Tech environmental database coordinator once all results have been through final review by laboratory operations. TestAmerica will produce a PDF of the analytical report, and an EDD will be e-mailed and uploaded to TestAmerica's *TotalAccess*. The data package will provide USEPA Contract Laboratory Program (CLP)-equivalent data reporting Forms 1 through 15 within 15 days of sample collection. Additionally, EDDs, (formatted according to the requirements stated in the laboratory subcontracts) will be submitted via the Tetra Tech Laboratory *Data Checker* application. Electronic project data will be stored and maintained in a secure database system. Backup and archival processes will occur nightly.

Analytical results from the fixed-base laboratory for post-removal/verification samples will be validated using USEPA's CLP protocol and USEPA Region 3 *Modifications to National Functional Guidelines for Organic-Data Review* (USEPA, 1994), in conjunction with method-specific criteria. Analytical results from the fixed-base laboratory for samples representing soil that has been removed and disposed of off-site will not be validated.

Data to be validated will be printed as data packages and will include the samples of each sample delivery group and the appropriate analytical fraction. The data packages will be distributed with the appropriate data-validation flags. All data qualifiers and qualifier codes will be entered into the database and printed out as a hard copy for incorporation into the data validation letter. A list of findings will be generated after the data have been validated. This will ensure that the data package has been carefully reviewed for adherence to prescribed requirements and is suitable for its intended use (as final post-excavation confirmation that cleanup criteria have been achieved).

Data-validation reports will be generated for all parameters. The final data-validation report will include a technical memorandum, qualified analytical results, results reported by the laboratory, and documentation to support data qualification. All data will be flagged by appropriate qualifying symbols. Data and field records will also be reviewed by the project chemist to ensure that the samples comply with the intended sampling conditions and populations.

5.12 REPORTING

Tetra Tech will provide written verification that contamination has been reduced below the cleanup goal of 25 mg/kg. Tetra Tech will work with Lockheed Martin and the MAA to provide written records, including a notation to the property deed that the land was remediated for PCBs and is

henceforth restricted to use as a low-occupancy area as defined in §761.3. This will be done within 60 calendar days of the verified cleanup, in accordance with Maryland state law. This process will include an owner-signed certification that the notation specified in 40 CFR §761.205 has been forwarded to the USEPA regional administrator. This activity will also be subject to MAA requirements and procedures.

5.13 SCHEDULE

The proposed schedule for the PCB cleanup action is in Table 5-2.

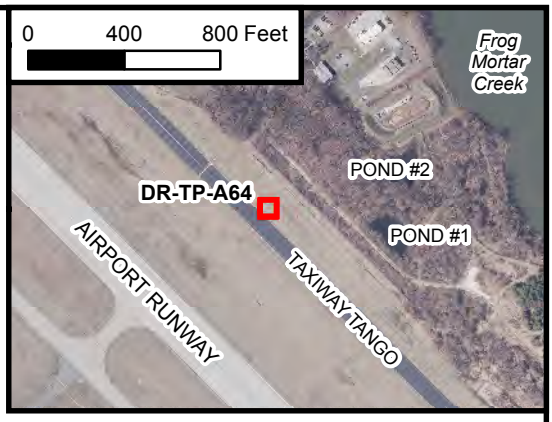
Table 5-1
Post-Excavation Confirmation Soil-Sampling and Chemical Analyses
Test Pit DR-TP-A64 PCB Cleanup Action, Dump Road Area
Lockheed Martin, Martin State Airport, Middle River, Maryland

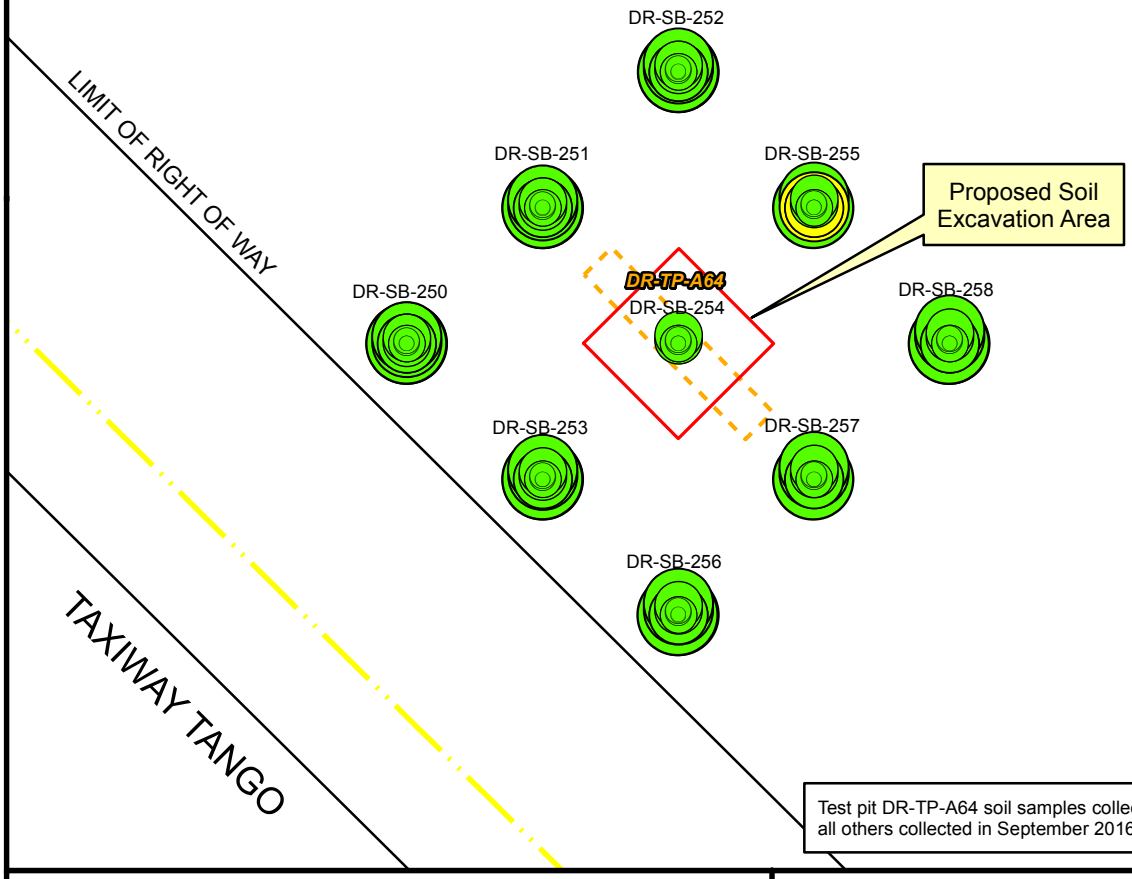
Sample ID	Sampling location	Analysis (method)	Rationale/purpose
DR-CS-XX-XX	Confirmation soil samples will be collected in a grid pattern. Because of the small size of the excavation (7 feet×7 feet), one sample will be collected from the excavation floor (at location of DR-TP-A64), and one sample each will be collected from the base of the four sidewalls following removal of soil containing PCBs in excess of 25 mg/kg. The soil is expected to be similar in the bottom and sidewalls of the excavation (sandy clay); therefore, this sampling strategy fulfills the 40 CFR 761.283 requirement to collect at least three samples from each type of PCB-containing soil. Additional samples will be collected if different types of soil are encountered.	PCBs (USEPA SW-846 8082A)	Soil samples will be collected from the excavation bottom in accordance with 40 CFR 761 Subpart O to confirm that PCBs in soil have been removed below the proposed cleanup goal of 25 mg/kg. This PCB concentration is acceptable (according to regulations) for low-occupancy areas with unrestricted use under the TSCA bulk-PCB remediation-waste cleanup requirements.
TBD	Investigation-derived wastes (decontamination water and wash water)	VOCs (USEPA SW-846 8260C) PCBs (USEPA SW-846 8082A) TCLP metals (USEPA SW-846 6010B/7470/7471A) RCRA ignitability (USEPA SW-846 1010A or 1030 or equivalent)	Provide chemical profile to determine liquid IDW transportation and disposal requirements.

CFR—*Code of Federal Regulations*
CS—confirmation sample
DR—Dump Road (for sample ID)
DRA—Dump Road Area
IDW—investigation-derived waste
mg/kg—milligram(s) per kilogram
PCBs—polychlorinated biphenyls
RCRA—Resource Conservation and Recovery Act
SB—soil boring
TBD —to be determined
TCLP—toxicity characteristic leaching procedure
TSCA—Toxic Substances Control Act
USEPA—United States Environmental Protection Agency

Table 5-2
Schedule for Test Pit DR-TP-A64 PCB-Cleanup Action
Dump Road Area
Lockheed Martin, Martin State Airport, Middle River, Maryland

Task	Start date	Expected duration
Cleanup plan approval	October, 2017	—
Utility clearance and permits	October, 2017	5 days
Mobilization	October, 2017	5 days
Soil removal, confirmatory soil sampling, site restoration, surveying	October, 2017	2 days
Demobilization	October, 2017	1 day





Test pit DR-TP-A64 soil samples collected in August 2012; all others collected in September 2016.

LEGEND

SOIL SAMPLE TOTAL PCB CONCENTRATIONS

- < 1 mg/kg
- ≥ 1 and < 10 mg/kg
- ≥ 10 and < 25 mg/kg
- ≥ 25 and < 50 mg/kg
- ≥ 50 mg/kg
- OUTLINE OF FORMER TEST PIT
- MARYLAND AIR NATIONAL GUARD BOUNDARY

SOIL SAMPLE DEPTHS



- 0 - 0.25 feet
- 2 - 2.25 feet
- 4 - 4.25 feet
- 6 - 6.25 feet
- 8 - 8.25 feet
- 10 - 10.25 feet
- 12 - 12.1 feet

mg/kg = milligrams per kilogram

FIGURE 5-1

PROPOSED SOIL EXCAVATION AREA FOR TEST PIT DR-TP-A64

Dump Road Area
Lockheed Martin, Martin State Airport
Middle River, Maryland

DATE MODIFIED: 01/17/17

CREATED BY: JEE

0 5 10 Feet

N

TETRA TECH

Map Document: (P:\GIS\Lockheed_MSA\MapDocs\MXD\TempDec16\dump_road_tp-a64_prop_exc_dec2016.mxd)
01/17/17 -- JEE

Section 6
References

1. Lockheed Martin Corporation (Lockheed Martin), 2015. *Remediation Contractor's ESH Handbook, Revision 4*. January 12.

2. Tetra Tech (Tetra Tech, Inc.), 2010. *Remedial Investigation Report, Martin State Airport, 701 Wilson Point Road, Middle River, Maryland.* Report prepared by Tetra Tech, Inc., Germantown, Maryland for Lockheed Martin Corporation, Bethesda, Maryland. November.

3. Tetra Tech (Tetra Tech, Inc.), 2011. *Supplemental Design Characterization Report. Lockheed Martin, Martin State Airport.* Prepared by Tetra Tech, Inc., Germantown, Maryland for Lockheed Martin Corporation Lockheed Martin Corporation, Bethesda. April.

4. Tetra Tech, Inc. (Tetra Tech), 2012. "Appendix A—Technical Memorandum for the Dump Road Area, Source-Area Delineation" in *Dump Road Source-Areas Investigation Work Plan, Martin State Airport, 701 Wilson Point Road, Middle River, Maryland*. Report prepared by Tetra Tech, Inc., Germantown, Maryland for Lockheed Martin Corporation, Bethesda, Maryland. September.

5. Tetra Tech, Inc. (Tetra Tech), 2013. *Taxiway Tango Soil Characterization Report, Martin State Airport, 701 Wilson Point Road, Middle River, Maryland*. Report prepared by Tetra Tech, Inc., Germantown, Maryland for Lockheed Martin, Bethesda, Maryland. June, Rev1.

6. Tetra Tech, Inc. (Tetra Tech), 2014. *Dump Road Area Characterization of Possible Source Areas Report, Martin State Airport, 701 Wilson Point Road, Middle River, Maryland*. Report prepared by Tetra Tech, Inc., Germantown, Maryland for Lockheed Martin, Bethesda, Maryland. October.

7. Tetra Tech, Inc. (Tetra Tech), 2015a. *Dump Road Area PCB Soil Investigation and Removal Work Plan, Martin State Airport, 701 Wilson Point Road, Middle River, Maryland*. Report prepared by Tetra Tech, Inc., Germantown, Maryland for Lockheed Martin, Bethesda, Maryland. June, Rev1.

8. Tetra Tech, Inc. (Tetra Tech), 2015b. *Taxiway Tango and Frog Mortar Creek PCB Investigation Work Plan, Martin State Airport, 701 Wilson Point Road, Middle River, Maryland*. Report prepared by Tetra Tech, Inc., Germantown, Maryland for Lockheed Martin, Bethesda, Maryland. December.

9. United States Environmental Protection Agency (USEPA), Region 3, 1993. *Region III Modifications to the Laboratory Data-Validation Functional Guidelines for Evaluating Inorganics Analyses.* April.

10. United States Environmental Protection Agency (USEPA), Region 3, 1994. *Region III Modifications to the National Functional Guidelines for Organic-Data Review.* September.

APPENDIX A—SOIL BORING PERMITS AND UTILITY CLEARANCE REPORT

Maryland Aviation Administration

BWI MARTIN STATE AIRPORT

Office of Design and Construction
Permits Section

PRE-CONSTRUCTION CONFERENCE AGENDA

Permit Title: **Taxiway Tango PCB Study - Martin State Airport**

PERMIT #: **BP-16-045** DATE: September 16, 2016

1) Introduction/Sign In Sheet

Juhan Raidma	410-900-0054	jraidma@bwiairport.com
Jad Dagher	410-934-2643	jdagher@bwiairport.com

2) Issued/Required Permits

Burn Occupancy Crane Liquor License

3) Schedule

Work Hours Weekly Revisions/Updates Start and Completion Dates

4) Tenant Information Advisory (TIA)

Information to tenants announcing all planned service interruptions or activities in their areas that may affect/impact operations/services.

5) Airport Access Badging and Security

1. A Project Security Plan (PSP) specific to the work must be prepared by the Contractor.
2. The PSP must be signed and submitted for approval to the Office of Airport Security no later than 15 days prior to its implementation.

Security concerns, questions and submittals:
Nate Turman - MAA Division of Airport Security
410-859-7488 or via email at nturman@bwiairport.com.

Badging and Training:
Barbara R. Ray, Chief of Badging and Training
410-859-7488 or via email at bmay@bwiairport.com

Security, Badging and Training topics include but are not limited to the following:

Escorts Vehicle Permits Tool Control Equipment Staging

- Security violations subject to fines up to $10,000 for each occurrence per man and/or company and loss of badge.

- Security escort services are provided by AKAL Security Inc. Contact Lisa McCall (410-859-7731).

6) BWI Fire and Rescue Division - Fire Prevention and Inspection Section

Contractor must contact Lorie Rowzie (410-859-7511) prior to start construction.

Fire extinguishers Burn Permits Required Submittals

Equipment, tool, vehicle and supply storage areas shall be reviewed and approved prior to use.

7) Staging, Refuse Containment and Disposal

- Coordinate dumpster or staging locations through Jad Dagher or Juhan Raidma, (info above).
- Dumpsters must be securely covered at all times.
- Dumpsters must be labeled with company name, contact information and permit number.
- Ramp must be protected from dumpster wheels by a wood separation.
- Dumpster area to be clean. Any surrounding debris must be picked up, regardless of its origin.
- Dumpster must be removed by scheduled completion date.
- Equipment, tools, or material found in locations other than designated staging areas is subject to immediate disposal by MAA.

8) Underground Utility Protection

Contractor's responsibility to locate, isolate and protect underground utilities prior to any excavations.

MAA Dig Authorization Concrete scan/x-ray

9) Electrical Installations

Contact Jad Dagher (Electrical Inspector) at 401-934-2643.

Installations and equipment shall meet NEC & MAA Design Standards.
Conduit shall be minimum ¾" (power) and 1" (data) throughout with either set screw or compression steel fittings.
Fixture flexible cable lengths are limited to maximum six (6) feet in length.
Revisions shall be acceptable per the MAA Design Standards.

10) Point of Contact (POC) and Emergency Information

The contractor must provide to the MAA in the event of after hour emergencies.

The BWI issued personal ID badge contains the following emergency contact numbers.

MEDICAL-RESCUE-FIRE EMERGENCIES
410-859-7222

Airport Police	410-859-7040
Airport Security	410-859-7124
Airport Operations	410-859-7018 or 7019

11) Safety

Contractor must submit a job specific safety plan to MAA Division of Documents and Permits (DDP) seven (7) days prior to construction.
The contractor maintains and controls the site safety plan and conditions.
MAA confined space entry permits are required prior to entry.
Personal Protective Equipment is mandated as appropriate.

12) Design Changes and As-Built Drawings

Red lined drawings shall be maintained throughout the work and presented to the MAA at the final walkthrough.
Design changes may need additional review through the MAA as requested.

Supplemental Requirements for Record/As-Built Drawings

The Record/As-Built drawings must incorporate all red lined layout with dimensions and note changes made since the issuance of the Permit for use as base drawings for future renovations. Within 70 days of the Final Inspection, Tenant must provide a set of Record/As-Built drawings to the Division of Documents and Permits. The Record/As-Built drawing submittal shall include a hardcopy (24x36), AutoCAD LT 2012 as well as PDF format drawings on CD. The CD must be clearly labeled with the company name, project title, permit number, and date of CD preparation. AutoCAD drawings to follow MAA Computer Aided Design (CAD) Standards.

13) MAA Pre-Final Inspection Submittals

Architectural Mechanical & Plumbing Water Proof Floor Flood Test Pipe Pressure tests
Red line Drawings (See Item 12) HVAC Balance Report As-Built Drawings (See Item 12)

Additional submittals may be required.

14) Hazardous Materials

Contact Mark Williams (Division of Environmental Compliance) at 410-859-7448.

Asbestos/Lead Paint Hazardous Materials & Waste Mold

All noise, dust, smoke and vapors shall be contained at all times. There shall be no installations of discomforting vapors or flammable sealants, adhesives or finishes without prior notification and scheduling made through the Field Inspector.

15) Erosion and Sediment Control, Wetlands, Streams, and 100-year Floodplain

Contact John Hurt (Environmental Planning) at 410-859-7384.

Sediment Control Permit (MDE) Storm Water Discharge Permit (N0I)
Wetlands, Stream & 100 Year Floodplain Permit (MDE)

Any project involving grading, excavating, or earth moving must implement appropriate sediment and erosion control measures. Any project resulting in more than a 5,000 square foot area of disturbance or 100 cubic yards of excavation must secure an Erosion and Sediment Control/Stormwater Management Permit thorough the Maryland Department of the Environment. Projects which impact streams, wetlands, the 25-foot wetland buffer (100-foot

buffer for "Wetlands of Special State Concern), and/or the 100-year flood plain are subject to approval through the Maryland Department of the Environment.

16) Stop Work Notification

The DDP inspector may issue a "STOP WORK ORDER" on projects in the event there are serious code violations or if work is being performed in a dangerous or unsafe manner. The Stop Work Order shall remain in effect until the cause(s) has been satisfactorily resolved.

Contractors/Subcontractors not listed on the Contractor Log shall not be allowed to execute work until the information required has been submitted and accepted by the Division of Documents and Permits.

17) General Contractor Responsibilities

The Permit-assigned General Contractor is responsible for all personnel performing any of the contracted work.

All contractors' and subcontractors' information shall be listed on the "LIST of CONTRACTORS and SUBCONTRACTORS" form. The form shall be updated and maintained throughout the work and submitted to the Field Inspector whenever revised.

18) Final Inspection Notification

Contractor shall contact Division of Documents and Permits forty-eight (48) hours prior to scheduled date.

Contact:

Syed Shariq	410-859-7506
Sam Albert	410-859-7796
Juhan Raidma	410-900-0054
Jad Dagher	410-934-2643

Larry Hogan
Governor

Boyd K. Rutherford
Lt. Governor

Pete K. Rahn
Secretary

Maryland Aviation Administration

Ricky D. Smith, Sr.
Executive Director/CEO

August 25, 2016

Tony Apanavage
Tetra Tech, Inc.
20251 Century Boulevard, Suite 200
Germantown, MD 20874

Dear Tony Apanavage:

SUBJECT: Building Permit # BP-16-045 Taxiway Tango PCB Study-MTN

Please find enclosed the approved Permit for the above referenced project. Permit approval is subject to compliance with provisions and stipulations contained in the Permits Information Guide contained within the Tenant Directive 007.01. The issuance or granting of this permit shall not be construed to be an approval of any violation of other Maryland Aviation Administration (MAA) or Code of Maryland (COMAR) regulations. MAA reserves the right to suspend or revoke the permit whenever it is deemed to be issued on the basis of incorrect, inaccurate or incomplete information provided by the applicant.

Please see the attached list of MAA departments and offices that need to be contacted prior to the start of work. Also, please refer to the Permits Information Guide to see if any other permit or authorization is required. The approved Permit, Permit Plan Set and Permit Comments shall be kept at the project location until the completion of the project. Approved Contractor shall maintain a Red Lined Set at project location at all times. Revisions to design shall be submitted to and approved by MAA Division of Document & Permits prior to construction. As-Built Drawings are to be received no later than 70 days from Final Inspection acceptance.

This permit shall become invalid unless the work on the site authorized by this permit is commenced within 180 days after issuance, or if the work is suspended or abandoned for a period of 180 days after the work is commenced. The issuance of this permit shall not relieve the applicant from his/her responsibility to ensure proper design and construction of this project.

Sincerely,

Syed Shariq R.A., Manager
Permits Section

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND AVIATION ADMINISTRATION

CONSTRUCTION PERMIT

X	**Building Permit**
	Installation Permit
	Single Trade Permit

Permit Information

Project Name: Taxiway Tango PCB Study-MTN	Airport:		BWI
		X	MTN
Project Location: Taxiway Tango Area	Tenant Space No.		
Permit Issued to: Lockheed Martin Corporation	Tel.:		
	E-mail:		
Contact Person: **Tony Apanavage**	Tel.: 301-528-3021		
	E-mail: Tony.apanavage@tetratech.com		
Mailing Address: 20251 Century Boulevard, Suite 200 Germantown, MD 20874-7441	Emergency Tel. Number: **301-233-8230**		

Contractor/ Installer

Construction Company/Organization: **Elite Environmental**	MD Const. License No: 02983683
	Expiration: April 30, 2017
Address: 1814 Turkey Point Road Baltimore, MD 21901	Tel.: 877-202-4448
	E-mail:
Contact Person: **Larry Macher / Ken Trent**	Emergency Tel. Number: **443-324-1103**
	E-mail: Lmacher@eliteeps.com

Additional Permits/Authorizations Required Prior to Start of Work

Airport Zoning Permit		**Hot Work/Welding Permit/ Hydrant Use Permit**	
Contact MAA Fac. Planning: 410-859-7793		Contact BWI Fire & Rescue: 410-859-7511	
Utility Modification/Digging Authorization	X	**Department of Health Approval**	
Contact MAA Inspections: 410-859-7796		*Contact AA County DOH: 410-222-7238*	
Confined Space Entry Permit		**Liquor License**	
Contact MAA Inspections: 410-859-7796		*Contact AA County Liquor Board: 410-222-1148*	
State Highway Admin. Access Permit		**MAA Tenant Advisory**	
Contact State Highway Administration		*Contact MAA Operations: 410-859-7974*	

Call MAA Permits Section to schedule a Preconstruction Meeting Before Start of Work

Approval	Permit No. BP-16-045
Syed Shariq, R.A. Manager, Permits Section	Date Issued: August 25, 2016

THIS PERMIT IS ISSUED BY MARYLAND AVIATION ADMINISTRATION AS AUTHORIZATION TO PERFORM APPROVED CONSTRUCTION ACTIVITIES AS DESCRIBED AND SHOWN ON APPROVED PERMIT PLANS AND SPECIFICATIONS

Post in a Conspicuous Place at Job Site

MAA 180-R 6 /10

Building Permit No. BP-16-045 is ***approved as noted*** and subject to compliance with the applicable codes, MAA Design Standards and the follow comments:

GENERAL COMMENTS

1. Applicable Codes & Regulations as per Tenant Directive 007.1 apply.
2. Display MAA Permit on site at all times
3. Secure all tools and equipment in public/sterile areas and ensure that all doors are locked when no one is present in the construction area. No tools are to be left unattended. Follow proper escort procedures in the SIDA.
4. All loose debris/trash, on or about AOA, shall be deposited in an acceptable, covered trash receptacle. No debris/trash shall be left about roof; spaces open to the AOA, conveyance, or near open trash receptacles at any time.
5. Firestop penetrations through fire rated assemblies and seal all unused/abandoned openings using appropriate UL-listed firestopping systems.
6. Sleeves:
   - Sleeves shall be installed for cable and raceway penetrations of concrete slabs, masonry and fire rated gypsum walls and other floor and wall assemblies.
   - Sleeves will be installed during erection of concrete and masonry walls.
   - Sleeves shall be installed in concrete slabs supported by pan decking to ensure full sealing of the uneven lower surface around the pan.
   - New concrete slabs are acceptable to be poured with the concrete surrounding the new conduit without the use of sleeves.
7. Provide support to structural member for any mechanical, electrical or other building elements not scheduled for removal but attached to items being demolished.
8. Core drilling, concrete floor cutting or other removal methods (on-grade, elevated, and post tensioned) shall be preceded by NDT to show that no embedded conduits or structural reinforcing will be disturbed in the proposed locations. The MAA Design Standard DST 2007-01 Core Drilling of Concrete Floors shall be used as reference.
9. Electrical:
   - Electrical, communication, security or fire safety wiring/systems shall not be interrupted without notification and coordination with authority having jurisdiction and written approval by said authority.
   - MC/FMC ¾ inch minimum size, 6 foot maximum length; except as allowed to fish existing walls per MAA Design Standards. Cont'
   - Raceway size shall be ¾" minimum.
   - All conduit fittings shall be steel.
   - All wire/cable shall be plenum rated.
   - Only brushed stainless steel device covers allowed.
   - Exothermic weld required for electrical grounding to building steel per MAA-DST.
   - Install expansion joints at points required.
10. Mechanical/Plumbing:
    - Roof mounted equipment issues:
      -Gas pipe exposure on the roof shall be minimized.
      -Roof mounted equipment condensate drains shall be routed to the nearest roof drain.
      -Condensate drains shall not rest directly on the roof.
      -Existing roof warranties shall be maintained.
    - High pressure stainless steel couplings shall be used on all sanitary waste and vent piping.
11. Hot Work & Welding:
    - Open flame welding and cutting shall not be allowed without burning permit as issued.
    - During flame welding and flame/mechanical cutting operations install protective weld screens and non-flammable fire protection blankets.
12. **Office of Airport Security (OAS)** Requirements during Construction for MAA and Tenants' Contractors and all Subcontractors:

    - Submit a Project Security Plan (PSP) for all work performed within the Airport's Restricted areas, i.e., in the terminal, within the Security Perimeter fence line, in a cargo building that serves as part of the fence

line, within 300 feet of the terminal and within 10 feet of the fence line (both sides). This must be submitted and approved by the Office of Airport Security 10 business days prior to the commencement of work. A template can be provided once the permit/contract is approved and/or awarded.

- Submit a Sensitive Security Information (SSI) Management Plan for all work that involves any of the Airport's access control systems and/or camera systems. This must be submitted and approved by the Office of Airport Security 10 business days prior to the commencement of work. A template can be provided once the permit/contract is approved and/or awarded.
- NOTE: Any projects performed at the Kauffman Building will require a PSP and a SSI Management Plan.
- Personnel requiring access to any restricted area work site must complete a fingerprint based Criminal History Record Check (CHRC), a Security Threat Assessment (STA) and be trained and tested prior to obtaining the appropriate BWI Marshall issued ID badge. Individuals who will not be able to successfully complete a CHRC and/or STA are not permitted to work in the restricted areas of the airport property. Individuals are not permitted to be under escort to access restricted areas of the airport if they cannot successfully pass the background process.
- Personnel with Escort (E) authority will maintain all escorted non-badged personnel and/or vehicles within sight and reasonable speaking distance at all times and must maintain positive control of the individual(s) being escorted to, from and at the work site. One badge holder with Escort authority may escort no more than five (5) non-badged personnel. **Escorts shall have no other responsibilities while performing escort duty.**
- Obtain appropriate BWI Marshall Airfield Registration stickers and inspection for all essential vehicles/equipment requiring access to restricted area work sites. Vehicles/equipment without an authorized/current BWI Marshall Airfield Registration sticker(s) will not be left unattended at anytime and must remain under continuous escort.
- Display MAA Permit on site at all times Secure all tools and equipment in public/sterile areas and ensure that all doors are locked when no one is present in the construction area. No tools are to be left unattended.

FRD

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND AVIATION ADMINISTRATION

Permits Sectior
P. O. Box 8766, BWI Airport
Maryland 21240-0766
Tel. 410-859-7796

APPLICATION FOR BUILDING PERMIT

GENERAL INFORMATION (Applicant to complete, please print) (to "check" boxes – Right click for "Properties" – then click "check")

Project Name: Taxiway Tango Area PCB Soil Investigation and Removal	Airport: ☐ BWI ☒ MTN
Project Location (Bldg./Terminal, Level, Holdroom, Room No. etc.): Taxiway Tango Area	Tenant Space No.:
Name of Tenant: Lockheed Martin Corporation	Tel.: E-mail:
Applicant/Contact Person: Tony Apanavage for LMC Representing: Lockheed Martin Corporation C/O Tetra Tech, Inc. Mailing Address: 20251 Century Boulevard, Suite 200, Germantown, MD 20874-7441	Tel.: 301-528-3021 Cell No.: 301-233-8230 Fax: 301-528-3000 E-mail: Tony.apanavage@tetratech.com
Brief Description of Project: Localized soil delineation and excavation of PCB contaminated soils.	Check Appropriate Box: MAA ☐ Funding Source: Existing Tenant ☐ New Tenant ☒
Estimated Cost of Construction (Required): $20,000	
Name of Architect/Engineer: Tetra Tech, Inc Address: 20251 Century Boulevard, Suite 200, Germantown, MD 20874-7441 Name of Contact: Tony Apanavage	Tel.: 301-233-8230 Fax: 301-528-3000 E-mail: Tony.apanavage@tetratech.com
Name of Contractor: Elite Environmental 1814 Turkey Point Rd Baltimore, MD 21901 Larry Macher/Ken Trent	Tel.: 877.202.4448 Cell/Emergency No: 443.324.1103 E-mail: lmacher@eliteeps.com
Maryland Contractor's License Number: 02983683 * Attach Photocopy of Current MD Contractors License and COI Certificate	Expiration Date: April 30, 2017

Maryland Aviation Administration
FIRE PREVENTION DIVISION
REJECTED COMMENTS
AS-BUILT'S
REVISED AND LINED REVISION
APPROVED AS SUBMITTED 8/17/16
RECEIVED
AUG 15 2016
DIVISION OF DOCUMENTS & PERMITS

Check Appropriate Box:

	Yes	No		Yes	No
Will a crane be used during construction?	☐	☒	Will the work be done in a "Confined Space"?	☐	☒
Will the work involve "Hot Work/Welding"?	☐	☒	Will the work involve Trenching and Excavation?	☒	☐
Will rooftop equipment be provided?	☐	☒			

If the answer to any of these questions is Yes, additional permits or authorizations may be required. (See Permit Information & Guidelines for definitions and list of supplementary permits).

Applicant's Signature: [signature] Date: 8/9/16

FOR OFFICE USE ONLY

	Yes	No		Yes	No
Complete Application Form	☑	☐	Safety Plan	☐	☑
Insurance Certification	☑	☐	Commercial Management Authorization	☐	☑
Copy of Contractor's License	☑	☐	Check List	☐	☑
Dwgs. Stamped by Licensed Architect/Engineer	☐	☑	CD	☐	☑

Permit Coordinator: Sam Alberti Date: 8/24/16
Date Received:
Date of Meeting:
BP Number: BP-16-045

MARYLAND AVIATION ADMINISTRATION
APPLICATION FOR AIRPORT ZONING PERMIT

Approval of this application is not a substitute for any other permits or approvals required by the State or local jurisdiction.

SECTION I: ADMINISTRATIVE USE ONLY

Application No.: _____ Date Received: _____ Date Issued: _____
Airport: ☐ BWI ☐ Martin State ☐ Other
County: ☐ Anne Arundel ☐ Howard ☐ Baltimore ☐ Other _____
Approval Required: ☐ Noise Zone ☐ Obstructions

SECTION II: APPLICANT INFORMATION

1. Application for: (Check One)
   (For the purposes of this form, antenna, satellite dish, HVAC equipment, etc. should be considered "structures.")

   ☐ New Subdivision (Plat Approval) Subdivision No. _____
   ☐ Structure Only ☐ Structure + Crane County Permit No. _____
   ☒ Crane Only, for construction or installation that will not add height to an existing structure

2. Location: Required: ADC Map Reference Baltimore City & Co, Map Page 76, Block B-5, "New Grid"

   In addition, please complete at least one of the following:

   a. Tax Map 0091 Grid 0020 Parcel 0152 Lot/block (if any) _____
   b. Street Address _____
   c. N☐ S☒ E☐ W☐ side of Eastern Blvd, @ 3,480 ft. from intersection with Lynbrook Road

For Structures

3. Type of improvement: ☐ New Building ☐ Addition ☐ Alteration ☐ Repair ☒ Other Localized soil delineation and excavation in Taxiway Tango Area of Martin State Airport
4. Contract price or estimated value of improvement: $100,000
5. Proposed Use(s):

   a. Residential: ☐ One family ☐ Two family ☐ Multi-family (No. units _____) ☒ Other Localized soil delineation and excavation in Taxiway Tango Area of Martin State Airport
   b. Non-residential:
      ☐ Hospital, Nursing Home, Institution
      ☐ School, Library, Church, Place of Assembly
      ☐ Hotel, Motel, Transient Lodging
      ☐ Outdoor Spectator Sports, Park, Playground
      ☐ Office, Store, Theater, Restaurant
      ☐ Agriculture, Industry: type _____
      ☐ Tower, Tank: type _____
      ☒ Other Environmental Investigation

6. Describe proposed structures: No permanenent structures, only using backhoe for excavation
7. Present use if different from proposed: wooded area of Martin State Airport
8. Size of Structure: Height 12ft Length _____ Width _____

A site plan showing the property boundaries and the location of any existing/proposed structures is required with application.

Elevations

* MSL= Mean Sea Level. All height restrictions in the vicinity of the airport use MSL as a reference point. If you do not know the elevation of your site, you can obtain this information from the County Office of Planning and Code Enforcement Map Room.

9. Ground elevation of site: 9 MSL*
10. Maximum elevation: (Height of structure + elevation of site): 21 MSL*

For Cranes

11. Ground elevation at crane location: backhoe 9 MSL*
12. Height of crane(s): 12
13. Maximum elevation: (Ground elevation + height of crane): 21 MSL*

The applicant hereby certifies and agrees as follows: (1) that he/she is authorized to make this application; (2) that the information is correct; (3) that he/she will comply with all regulations that are applicable hereto; and (4) that he/she will perform no work on the subject property not specifically described in this application.

APPLICANT (Please Print)
Tony Apanavage, Tetra Tech for LMC

Address:
20251 Century Boulevard,
Suite 200
Germantown, MD 20874-7441 (City, State, Zip)

Phone No. 301-528-3021

PROPERTY OWNER (Please Print)
MAA

Address:
P.O. Box 8766
Third Floor Terminal Building
BWI Airport, MD 21240-0766 (City, State, Zip)

Signature: _____

Connection to Property: Contractor to LMC & MAA Tenant

SECTION III: APPROVALS

Obstruction: ☐ Approved for maximum height of _____ MSL ☐ Denied ☐ N/A
By: _____ Date: _____

Noise: ☐ Approved ☐ Denied ☐ N/A By: _____ Date: _____

Approval of this application, if granted, will terminate if construction does not begin within one year of approval date. Approval of this permit does not preclude disturbance of applicant or occupants from aircraft operations. Please return application to: Maryland Aviation Administration, Noise Abatement Division, P.O. Box 8766, BWI Airport, MD 21240-0766. Please direct inquiries or questions to 410-859-7070.

MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND AVIATION ADMINISTRATION

UTILITY MODIFICATION/DIGGING AUTHORIZATION

Tenant Improvements Section
P.O. Box 8766, BWI Airport
Maryland 21240-0766
Tel.: 410-859-7796
Fax: 410-859-5440
E-mail address:
MAATIS@Bwiairport.com

GENERAL INFORMATION (To be completed by the applicant, please print)

Project Name: Taxiway Tango Area PCB Soil Investigation and Removal

Airport: ☐ BWI ☒ MTN

Project Location (Bldg./Terminal, Level, Holdroom, Room No. etc.):
Taxiway Tango Area of Martin State Airport

Tenant Space No.:

Name of Tenant:
On behalf of Lockheed Martin

Tel.: 301-233-8230
E-mail: tony.apanavage@tetratech.

Applicant/Contact Person: Tony Apanavage for Lockheed Martin

Tel.: 301-528-3021

Contractor: Tetra Tech
Mailing Address: 20251 Century Blvd, Suite 200
Germantown, MD 20874

Cell: 301-233-8230

Fax: 301-528-3000

E-mail: tony.apanavage@tetratech

STEP 1

Scope: *(Define Scope and Boundaries of Proposed Work. Attach Drawings or Sketches as Required.)*
Localized soil delineation and excavation to remove PCB contaminated soils.

Utilities: List all Utilities as Identified in Contract Drawings	Contract Drawing Reference

STEP 2 *Gray areas to be filled out by MAA Inspector*

MAA Utilities*	Name:	Signature:	Date:
MAA Design*	Name:	Signature:	Date:
MAA IT*	Name:	Signature:	Date:
FAA *	Name:	Signature:	Date:
BGE	Name:	Signature:	Date:
MISS UTILITY	Name:	Signature:	Date:

List additional utilities identified by MAA/PB/FAA/BGE/Miss Utility/Others

STEP 3

The following utilities have been test pitted, located, and identified (Digging authorization is subject to resubmission if utilities require re-marking and re-test pitting due to removal or disturbance of identifying markers)

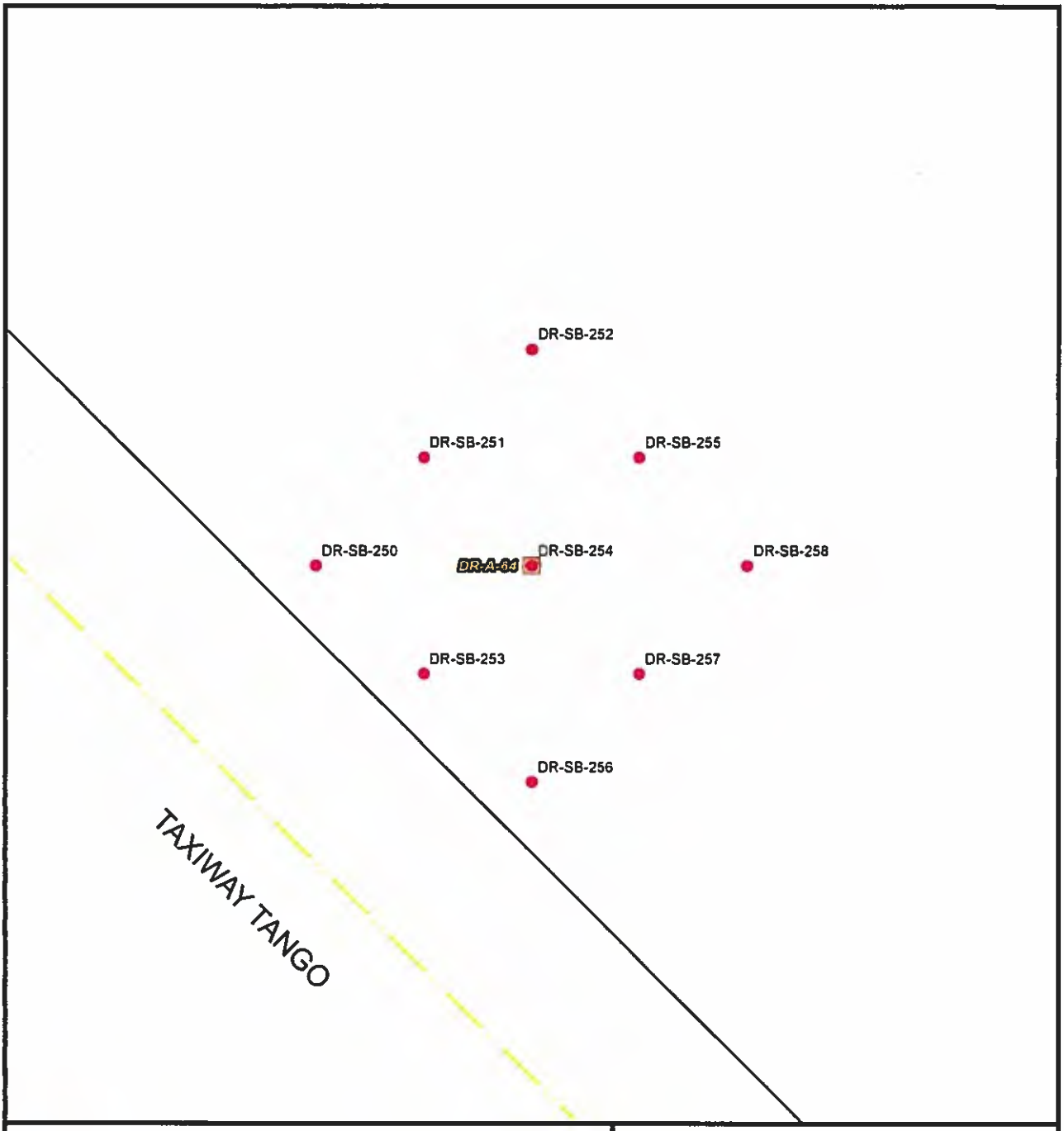
Signature of Contractor: [signature] **Date:** 8/9/16

*MAA/FAA sign off does not necessarily indicate accuracy of information but rather denotes that there are no known utilities other than those that may be listed. MAA/FAA and their employees and authorized agents are not liable for accurately identifying or locating any or all utilities. MAA/FAA sign-offs do not relieve the Contractor of responsibility for locating and protecting all utilities near the work. Contractor should use extreme caution for all underground work; cutting or damaging utilities could result in, among other things, disruption of service at the airport.

FOR OFFICE USE ONLY

Signature of Inspector **Date:**

Name of Inspector: *Print*	BP/IP Number:
Date Application Received:	
Date Application Approved/Denied:	



LEGEND

- TEST PIT - PRE-2013
- PROPOSED SOIL BORING LOCATION
- GROUNDWATER MONITORING WELL
- MARYLAND AIR NATIONAL GUARD BOUNDARY

0 5 10 Feet

N

FIGURE 3-1

PROPOSED SOIL BORING LOCATIONS

Dump Road Area
Lockheed Martin, Martin State Airport
Middle River, Maryland

DATE MODIFIED:	CREATED BY:
12/21/15	KM

TETRA TECH

Map Document: (P:\GIS\Lockheed_MSA\MapDocs\MXD\dump_road_tp-a64_proplocs.mxd)
12/21/15 -- JEE

Table 3-1

Soil Sampling and Chemical Analyses Summary and Rationale
Taxiway Tango and Frog Mortar Creek PCB Investigation—2016
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 1 of 3

Sample ID	Sample location	Analysis (method)	Rationale/purpose
Pre-excavation soil waste profile sample	One composite soil from excavation area	PCBs (USEPA SW-846 8082A) TCLP VOCs, TCLP SVOCs, TCLP metals, TCLP herbicides/pesticides (USEPA SW-846 1311 [leaching procedure], 8260C, 8270D, 6010B/7470/7471A, 8081A, 8151A)	Provide soil/waste chemical profile for determining soil/waste transportation and disposal requirements.
DR-SB-250 through DR-SB-258	Soil borings in a 10-foot by 10-foot grid pattern around former test pit DR-TP--A64	PCBs (USEPA SW-846 8082A)	Soil samples will be collected from the immediate vicinity of test pit DR-TP-A64 to delineate PCBs in soil in excess of the proposed soil cleanup goal of 25 mg/kg. Test pit DR-TP-A64 is located along the eastern side of Taxiway Tango adjacent to the Dump Road AreaSixty-three soil samples will be collected in a grid pattern using 10 foot spacing surrounding previous sample location DR-TP-A64 from 9 borings (SB-250 through SB-258) at seven depth intervals (0-3 inches; 24-27 inches; 48- 51 inches; 72-75 inches; 96-99 inches; 120-123 inches; and 144-145 inches [or to the groundwater table which was previously reported at a depth of 11.5 feet bgs]).

Table 3-1

Soil Sampling and Chemical Analyses Summary and Rationale
Taxiway Tango and Frog Mortar Creek PCB Investigation—2016
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 2 of 3

Sample ID	Sample location	Analysis (method)	Rationale/purpose
DR-CS-XX-XX	Confirmatory soil samples in a 5-foot by 5-foot grid pattern from excavation floor following removal of soil containing PCBs in excess of 25 mg/kg. At least three samples of each PCB bulk remediation waste matrix.	PCBs (USEPA SW-846 8082A)	Soil samples will be collected from the excavation bottom in accordance with 40CFR 761 Subpart O to confirm PCBs in soil have been removed below the proposed cleanup goal of 25 mg/kg, which is acceptable for low occupancy areas with unrestricted use under the TSCA bulk PCB remediation waste cleanup requirements (see Appendix B of this work plan).
TBD	Investigative-derived wastes (decontamination water, wash water and residual soil cores)	VOCs (USEPA SW-846 8260C) PCBs (USEPA SW-846 8082A) TCLP metals (USEPA SW-846 6010B/7470/7471A) RCRA ignitability (USEPA SW-846 1010A or 1030 or equivalent)	Provide waste chemical profile for determining waste transportation and disposal requirements.

Table 3-1

Soil Sampling and Chemical Analyses Summary and Rationale
Taxiway Tango and Frog Mortar Creek PCB Investigation—2016
Lockheed Martin, Martin State Airport, Middle River, Maryland
Page 3 of 3

Sample ID	Sample location	Analysis (method)	Rationale/purpose
FMC-27-1 through FMC-27-9	Soil borings in a 20-foot spacing grid pattern around former sediment sample location FMC-27	PCBs (USEPA Method 680)	Sediment samples for PCBs will be collected to delineate the vertical and spatial extent in the vicinity of previous sample location FMC-27 in Frog Mortar Creek Six sediment samples will be collected from each of nine locations, representing the 0-3 inch, 12-15 inch, 24-27 inch, 36-39 inch, 48-51 inch, 60-63 inch intervals below the sediment surface.Total snumber of samples =54.
TBD	Investigative-derived wastes (decontamination water and residual sediment cores)	VOCs (USEPA SW-8468260C) PCBs (USEPA SW-846 8082A) TCLP metals (USEPA SW-846 6010B/7470/7471A) RCRA ignitability (USEPA SW-846 1010A or 1030 or equivalent)	Provide waste chemical profile for determining waste transportation and disposal requirements.

CS	confirmatory sample	PCBs	polychlorinated biphenyls	TSCA	Toxic Substances Control Act
DR	Dump Road (for sample ID)	RCRA	Resource Conservation Recovery Act	USEPA	United States Environmental Protection Agency
DRA	Dump Road Area	SB	soil boring		
FMC	Frog Mortar Creek	TBD	to be determined		
mg/kg	milligrams per kilogram	TCLP	toxicity characteristic leaching procedure		

Taxiway Tango Area

PCB Soil Investigation and Removal Scope of Work

This project includes a soil boring delineation and a localized soil excavation of PCB contaminated soils that will be delineated through the soil boring delineation.

Introduction

The objectives of this investigation are to investigate, delineate, and remove polychlorinated biphenyls discovered in soil at a test pit (DR-TP-A64) excavated during the 2012 Taxiway Tango soil characterization. Because low polychlorinated biphenyl concentrations were detected in soil at other Dump Road Area and Taxiway Tango sampling locations, this investigation will focus on the area immediate to historical test pit location DR-TP-A64 (soil polychlorinated biphenyl concentration of 47 milligrams per kilogram [mg/kg]). Test pit DR-TP-A64 is located along the eastern side of Taxiway Tango and adjacent to the Dump Road Area. Polychlorinated biphenyls have not been detected in soil at concentrations above 5 mg/kg at any other location in the Dump Road Area, with the exception of a historical sample DR-TP-A80-03 (4,100 mg/kg) from test pit DR TP A80. (Note that DR-TP-A80 was located on the northeastern section of the Dump Road Area between Pond 1 and the shoreline of Frog Mortar Creek, and was addressed in a separate permit submittal).

Results from this investigation aim to accurately define the horizontal and vertical limits of polychlorinated biphenyl concentrations near test pit DR-TP-A64 for soil removal and offsite disposal estimations; to minimize the volume of soil for offsite disposal; and to complete analytical characterization(s) required by the selected disposal facility.

Purpose and Rationale

The primary objectives of this investigation is to delineate and remove PCBs in soil and debris discovered near a test-pit (DR-TP-A64) excavated during the 2012 Taxiway Tango soil characterization. Soil and wastes encountered during this sampling program with PCB concentrations in excess of 25 mg/kg (the PCB standard for low occupancy areas with unrestricted

use, as defined under the Toxic Substances Control Act [TSCA], Code of Federal Regulations [CFR] Title 40, Part 761) will be excavated and disposed of at a Lockheed Martin-approved offsite treatment, storage, and disposal facility licensed to accept TSCA wastes.

The characterization, cleanup, and disposal notification will follow the requirements for self implementing PCB cleanup and disposal under USEPA 40 CFR 761.61. Notification and reporting schedules will be in compliance with the USEPA and MDE requirements. Site background information in the report will include historical soil sampling results to demonstrate to regulatory agencies that PCBs were sufficiently characterized across the DRA and to demonstrate that the elevated PCB concentration at DR-TP-A64 is an isolated occurrence.

Field Procedures

Field activities under this task include: mobilization/demobilization; pre-excavation soil/waste profile sampling; in situ DPT soil sampling; excavation of soil, soil disposal; post characterization confirmatory sampling; excavation backfilling; and IDW management. Health and safety requirements and procedures will be in accordance with the project-approved site-specific health and safety plan (HASP).

Soil Investigation

Tetra Tech will conduct an *in situ* soil sampling investigation to delineate the area for PCBs around previous test pit sample DR-TP-A64. The purpose of this subsurface investigation is to delineate the horizontal and vertical extent of PCBs in soil that will be subsequently excavated and removed from the site. Sixty-three soil samples will be collected in a grid pattern using 10-foot spacing surrounding previous sample location DR-TP-A64 from nine borings (SB-250 through SB-258) at seven depth intervals (0-3 inches; 24-27 inches; 48-51 inches; 72-75 inches; 96-99 inches; 120-123 inches; and 144-145 inches [or to the groundwater table which was previously reported at a depth of 11.5 feet bgs]). Proposed soil boring locations are presented in Figure 3-1. Based on the subsurface conditions, additional borings and samples may be added during the field investigation to adequately delineate the PCBs. Soil samples will be analyzed for PCBs by an offsite laboratory (TestAmerica, Inc.).

The soil borings will be advanced using a mobile all-terrain vehicle DPT drill rig by a Maryland-licensed driller. One DPT macrocore down to 12 feet below grade will be collected for lithologic description and field screening. Soil will be described on a lithologic log prepared by a qualified and experienced geologist. The soil samples will be screened with a photoionization detector (PID) using a consistent headspace screening methodology (i.e., foil sealed jar or zip-top bag technique). The field geologist will document pertinent information including the water table depth if encountered, and visual evidence of possible contamination such as waste material present, staining, discolorations, and odors. Soil boring locations will be located using global positioning system (GPS).

Because the soil borings are expected to be completed above the water table, the boreholes will be backfilled with the unused soil from the core and granular bentonite if needed to fill the borehole up to the ground surface. The push rods and stainless steel samplers will be decontaminated between boring locations to prevent cross contamination of soil samples.

Pre-Excavation Waste–Profiling Sampling

Before soil removal activities, Tetra Tech will obtain a pre-excavation soil sample to provide a waste chemical profile as required by the Lockheed-Martin-approved disposal facility (EQ; Belleville, Michigan). Disposal facilities typically require one profile sample per 100-500 cy of soil or material. The test pit DR-TP-A64 area excavation will be approximately 25 cy (see Section 3.1.5). Therefore, one composite soil sample is planned to be collected by a Tetra Tech field geologist from 0-5 feet below ground surface. The sample will be a composite of soil collected from a minimum of three locations spaced equally across the planned excavation area using a hand auger, push probe, or DPT rig. If soil to be disposed of at the DR-TP-A64 area exceeds 100 cy, an additional composite waste profile sample will be collected and submitted for profile chemical analyses. One waste profile sample will be collected for each additional 100 cy to be disposed of by the selected waste disposal firm. The sample (or samples) will be sent to an offsite laboratory (TestAmerica, Inc.) for PCB analysis along with full toxicity characteristic leaching procedure (TCLP) analyses as listed in Table 3-1.

Excavation and Soil Removal

Following the soil sampling program, Tetra Tech will identify the area to be excavated, and will proceed with submitting written notifications to USEPA, MDE, and BCDEPS that will include information required under 40 CFR 761.61(a)(3)(i) (Appendix A). Upon approval from these agencies, soil with PCB concentrations greater than the proposed cleanup goal (25 mg/kg) will be excavated by Tetra Tech's excavation subcontractor (Elite Environmental and Petroleum Services of Essex, Maryland [EEPS]). A rubber-tired or track-mounted backhoe will be used to excavate the soil. PCB-containing materials (including soil and associated debris such as rocks, wood, concrete, glass, ash, etc.) will be transported by a Lockheed Martin-approved hazardous waste hauler (Veolia) for disposal offsite at a Lockheed Martin-approved disposal facility licensed to accept TSCA wastes (EQ; Belleville, Michigan). The volume of PCB remediation waste to be removed is estimated at 25 cy (approximately 40 tons), and can be removed from the site in three standard dump truck loads. Excavated soil is expected to be transported from the site the day of the excavation because of the limited amount of soil to be excavated, and obtaining acceptance approval from the disposal facility prior to excavating. The waste profile analyses for disposal will be as required by EQ.

Due to the location of the excavation in the airport critical area (in the open grass adjacent to Taxiway Tango), Tetra Tech will coordinate with MDANG and MAA to obtain a localized taxiway closure so the project can be completed without disruption by air traffic. In addition, Tetra Tech will coordinate (if possible) with MDANG and MAA to mobilize the dump trucks from the Main Terminal side of the airport to keep the trucks on concrete/asphalt and off the grass. This will alleviate unnecessary ruts and disturbance to the grass in the critical area of the airport, and will also reduce the amount of dirt and debris that may be tracked by the truck wheels during their route to and from the excavation area.

Site management and excavation oversight will be provided by Tetra Tech. Excavation procedures are provided in the site-specific HASP. The soil excavation will be completed using a combination of a small bucket excavator and hand-digging. Due to the estimated shallow depth of the excavation, it is not anticipated that shoring will be required. Excavation activities will be photo-documented. It is assumed that no engineering controls will be required including, but not

limited to, silt fencing, shoring, sheeting, and steel plates. It is also assumed that no dewatering will be required during the excavation activities.

During excavation, soil will be described and logged by a qualified and experienced geologist and screened for the presence of volatile organic compounds (VOCs) using a portable PID and a consistent headspace screening methodology (e.g., foil sealed jar or zip-top bag technique). Waste materials (if any), soil type, and anthropogenic material encountered in the excavation will be documented in a field log and photographed. A GPS unit capable of sub-meter accuracy will be used to establish the coordinates at each end of the excavation.

If potential unexploded ordnance (UXO), underground storage tanks, elevated VOCs, or any other anomalies or unexpected unsafe conditions arise, digging will be suspended and the area will be evacuated per the HASP. In accordance with the HASP, site and project contact personnel will be immediately notified of the work stoppage and site conditions; the project team will then determine the path forward.

Post-Excavation Confirmatory Sampling

After excavation is complete, soil samples will be collected to confirm cleanup goal in compliance with 40 CFR Part 761 Subpart O of the PCB regulations has been achieved. Post-excavation confirmatory sampling will be (as required) a 5-foot by 5-foot grid, with a minimum of three samples for each type of bulk PCB remediation waste or porous surface, regardless of the amount of each type of waste that is present. Tetra Tech will collect the required number of soil samples (DR-CS-1, DR-CS-2, etc.) from the excavation floor in the required grid pattern and submit them for PCB analysis. The total number of samples is pending, and due to the final size of the excavation. Since TSCA (40 CFR 761.283) requires a minimum of three verification samples for each material type (e.g., sandy soil, clayey soil, oily soil, sludge, etc.) left remaining at the site, additional samples may be collected if the excavation is larger than expected or if there are distinct types of material remaining in the base of the excavation. Post-excavation confirmatory samples will be submitted for PCB analysis by Method 8082 of SW-846, including chemical extraction by Methods 3500B/3540C of SW-846.

Backfilling and Site Restoration

The excavation will be backfilled in accordance with the procedures specified in this work plan and according to permit requirements. Before backfilling, the excavation will be lined with a geotextile to demarcate the clean backfill from existing soil. The excavation contractor will use clean offsite fill to backfill the excavation up to within six inches of the ground surface. The top six inches will be surface completed with topsoil. No sodding will be required due to the remote area of the site. The ground surface will be covered with grass seed and straw, but, the grass may not establish completely due to site conditions.

The proposed plan includes excavation, sampling, and backfilling to be completed in one day, so that possible fall hazards from leaving an open excavation at the site can be prevented, and to eliminate the need to remobilize personnel and equipment to the field. If the confirmatory soil samples are determined to have concentrations above the soil cleanup concentration, the excavation will have to be reopened and further excavation may be required. The geotextile layer will allow segregation of the clean backfill from any impacted soil that may require additional excavation and disposal. However, remobilization is unlikely to be needed, because the PCB concentrations in the confirmatory soil samples are not expected to exceed the proposed soil cleanup level since the excavation limits are based on PCB data obtained from numerous soil borings.

Additional Notes

Access to the area of this investigation will be through the MDANG gate on Lynebrook Road. Tetra Tech will coordinate all field activities with MSA, MAA and MDANG. Based on the location of this work, no brush clearing will be necessary. Due to the localized nature of this investigation around a previous test pit, very minimal surface disturbance is expected. Drilling will be conducted with a small mobile ATV remote control drill rig with a footprint no larger than a small tractor. Excavation will be conducted by a small backhoe. A dump truck will be used to haul contaminated soils. Disturbed areas will be backfilled with clean dirt fill flush with the current ground surface.

Apanavage, Tony

From: md@occinc.com
Sent: Friday, September 09, 2016 1:31 PM
To: Apanavage, Tony
Subject: Ticket: 16608138

NOTICE OF INTENT TO EXCAVATE		STANDARD			
Ticket No:	16608138				
Transmit Date:	9/09/16	Time:	1:30 PM		
Release Date:	9/09/16	Time:	1:17 PM	Type:	CALL
Response Due By:	9/14/16	Time:	11:59 PM		
Expiration Date:	9/28/16	Time:	11:59 PM		

Caller Information

Company:	TETRA TECH	Type:	CONTRACTOR
Contact Name:	ANTHONY APANAVAGE	Fax:	(301) 528-3000
Phone:	(301) 528-3021		
Caller Address:	20251 CENTURY BLVD SUITE# 200	GERMANTOWN, MD 20874	
Email Address:	tony.apanavage@tetratech.com		
Job Site Contact:	ANTHONY CELL	Phone:	(301) 233-8230

Dig Site Information

Type of Work:	ENVIRONMENTAL SOIL BORINGS		
Work Done For:	LOCHEED MARTIN		
Permit #:		Explosives:	N
Contract Job#:			

Dig Site Location

State:	MD	County:	BALTIMORE
Place:	MIDDLE RIVER		
Subdivision:	MARTIN STATE AIRPORT		
Address / Street:	LYNBROOK RD		
Nearest Intersecting Street:	EASTERN BLVD		

Extent of Work:

701 WILSON POINT RD IS REFERENCE ADDRESS.
3500FT S OF THE INTER OF LYNBROOK RD & EASTERN BLVD & 500FT W OF THE ROAD ALONG THE TAXIWAY WILL BE AN AREA MARKED IN STAKES. PLEASE CHECK THAT AREA.

Comments:

Excavation Coordinates for # Polygons: 1

Poly 1: NW Lat:	39.3266667	Lon:	-76.4133333	SE Lat:	39.3233333	Lon:	-76.4066667

Members Notified

District	Company Name	Phone Number
BGEBA	BGE ELECTRIC-USIC	(800) 778-9140
BGEBAG	BGE GAS-USIC	(800) 778-9140
CBW04	BALTIMORE CITY DPW-OCCLS	(410) 712-0202
CTV01	COMCAST - UTILIQUEST	(410) 536-0070
HTV02	COMCAST- FIBER/UTILIQUEST	(410) 536-0070
QWESTM01	QWEST COMMUNICATIONS	(800) 283-4237

Excavator Responsibilities

* EXCAVATORS MUST ENSURE ACCURACY OF TICKET AND MAPPING BY CLICKING ON THIS LINK

Free yourself from hold times with ITIC.

* No one likes to wait. That's why Miss Utility offers online ticketing (ITIC) at MissUtility.net. Using this fully automated systems requires a short training session, so click here to get started so you can get in the Miss Utility Express Lane. It's fast, easy, and free. Get off the phone and get oneline with ITIC.

Final Report
Geophysical Survey
Utility/Structure Clearance for 9 Soil Borings
Taxiway Tango – Martin State Airport
Middle River, MD
Enviroscan Reference Number 081636

Prepared For: Tetra Tech, NUS, Inc.
Prepared By: Enviroscan, Inc.
October 10, 2016

1051 Columbia Avenue ● Lancaster, PA 17603 ● 717.396.8922 ● Fax 717.396.8746 ● email@enviroscan.com ● www.enviroscan.com

ENVIROSCAN, INC.

October 10, 2016

Mr. Tony Apanavage
Tetra Tech NUS, Inc.
20251 Century Boulevard
Suite 200
Germantown, MD 20874-7114

RE: Geophysical Survey
Utility/Structure Clearance for 9 Soil Borings
Taxiway Tango – Martin State Airport
Middle River, MD
Enviroscan Reference Number 081636

Dear Mr. Apanavage,

Pursuant to the phone conversations, Enviroscan, Inc. conducted a multi-technique geophysical survey at the above-referenced site on August 29, 2016. The purpose of the survey was to perform utility clearance for 9 proposed soil borings, centered on a previous test pit.

Methods

The utility survey was completed using standard and/or routinely accepted practices of the geophysical industry and equipment representing the best available technology, including:

- a Radiodetection RD8000 Multi-Frequency pipe and cable tracer;
- a Radiodetection C.A.T. and Genny pipe and cable locator/tracer;
- a Fisher TW-6 electromagnetic (EM) pipe and cable locator/tracer;
- a GSSI SIR-2000 ground penetrating radar (GPR) system.

The principles of these techniques are detailed below.

RD8000

Utility tracing was conducted using a Radiodetection RD8000 digital cable and pipe tracer. The transmitter can be directly coupled to exposed portions of a metallic pipe, cable, or wire or indirectly (inductively) to a subsurface metallic utility of known location/orientation. The transmitter remains stationary and energizes the metallic utility at a frequency selected by the operator (512 Hz, 8 kHz, 33 kHz, or 65 kHz), which is received at the ground surface by the digital locator. When the transmitter is directly coupled to the metallic utility, the digital receiver can also calculate the depth of the utility to an accuracy of ±10% of the actual depth of the utility. Please note the close proximity to bends in the traced line or poor signal strength can result in erroneous depth estimations.

C.A.T. and Genny

The survey areas were also scanned with a Radiodetection C.A.T. and Genny pipe and cable locator and tracer. In Power mode, the C.A.T. detects the 50 to 60 Hertz (Hz) electromagnetic field generated by live power cables and other metallic utilities to which a live line is grounded. In Radio mode, the C.A.T. detects buried conductors (cables or metallic pipes) as they conduct and re-transmit commercial broadcast radio energy. In Genny mode, the C.A.T. detects signal generated by the Genny transmitter. The Genny transmitter can be coupled directly (conductively) to exposed portions of a metallic pipe, cable, or wire or inductively to a subsurface metallic utility with known location and orientation.

TW-6

In order to detect unknown utilities, Enviroscan employed a Fisher TW-6 pipe and cable locator and tracer. In pipe and cable search mode, the TW-6 is essentially a deep-sensing metal detector that detects any highly electrically conductive materials (e.g. metals) by creating an electromagnetic field with a transmitting coil. A receiving coil at a fixed separation from the transmitter measures the field strength. As the instrument is swept along the ground surface, subsurface metallic bodies distort the transmitted field. The change in field strength/orientation is sensed by the receiver, setting off an audible alarm and/or causing deflection of an analog meter. The TW-6 can nominally detect a 2-inch metal pipe to a depth of 8 feet and a 10-inch metal pipe to a depth of 14 feet.

In pipe and cable tracing mode, the TW-6 transmitter can be coupled directly (conductively) to exposed portions of a metallic pipe, cable, or wire or inductively to a subsurface metallic utility with known location and orientation. The transmitter remains stationary and energizes or excites the metallic utility to be traced with an 81.92-kilohertz signal that can be traced at the ground surface using the mobile TW-6 receiver wand or probe.

GPR

GPR systems produce cross-sectional images of subsurface features and layers by continuously emitting pulses of radar-frequency energy from a scanning antenna as it is towed along a survey profile. The radar pulses are reflected by interfaces between materials with differing dielectric properties. The reflections return to the antenna and are displayed on a video monitor as a continuous cross section in real time. Since the electrical properties of metal are distinctly different from soil and backfill materials, metallic pipes and other structures commonly produce dramatic and characteristic reflections. Fiberglass, plastic, concrete, and terra-cotta pipes and structures also produce recognizable, but less dramatic reflections. Scanning was performed using a GSSI SIR-2000 GPR controller with an internal hard drive and a color display, and both a high-frequency, high-resolution 500 megaHertz (MHz) antenna or transducer, and a lower frequency deep-penetrating 200 MHz transducer.

Results Summary

The utility clearance survey results are depicted in Figure 1. The mapped utilities located during the survey are overlain on a basemap of the site. Three borings, closest to the taxiway, were adjacent to an electrical power line. The trace of this line was marked in the field with red marking paint

Limitations

The above-referenced geophysical survey was completed using standard and/or routinely accepted practices of the geophysical industry and equipment representing the best available technology. Enviroscan does not accept responsibility for survey limitations due to inherent technological limitations or unforeseen site-specific conditions. However, we make every effort to identify and notify the client of such limitations or conditions. In particular, please note the following specific limitations and recommendations:

- Enviroscan's field markings should be considered accurate to within approximately +/-18 inches for single lines. In contrast, since electromagnetic tracing of duct banks provides only a centerline, the bank itself may extend for 2 to 3 feet beyond the marked trace.

- The completion of this survey does not relieve any party of applicable legal obligations to notify the appropriate One-Call center prior to digging or drilling.

As always, we appreciate this opportunity to have worked with you. If you have any questions, please do not hesitate to contact me.

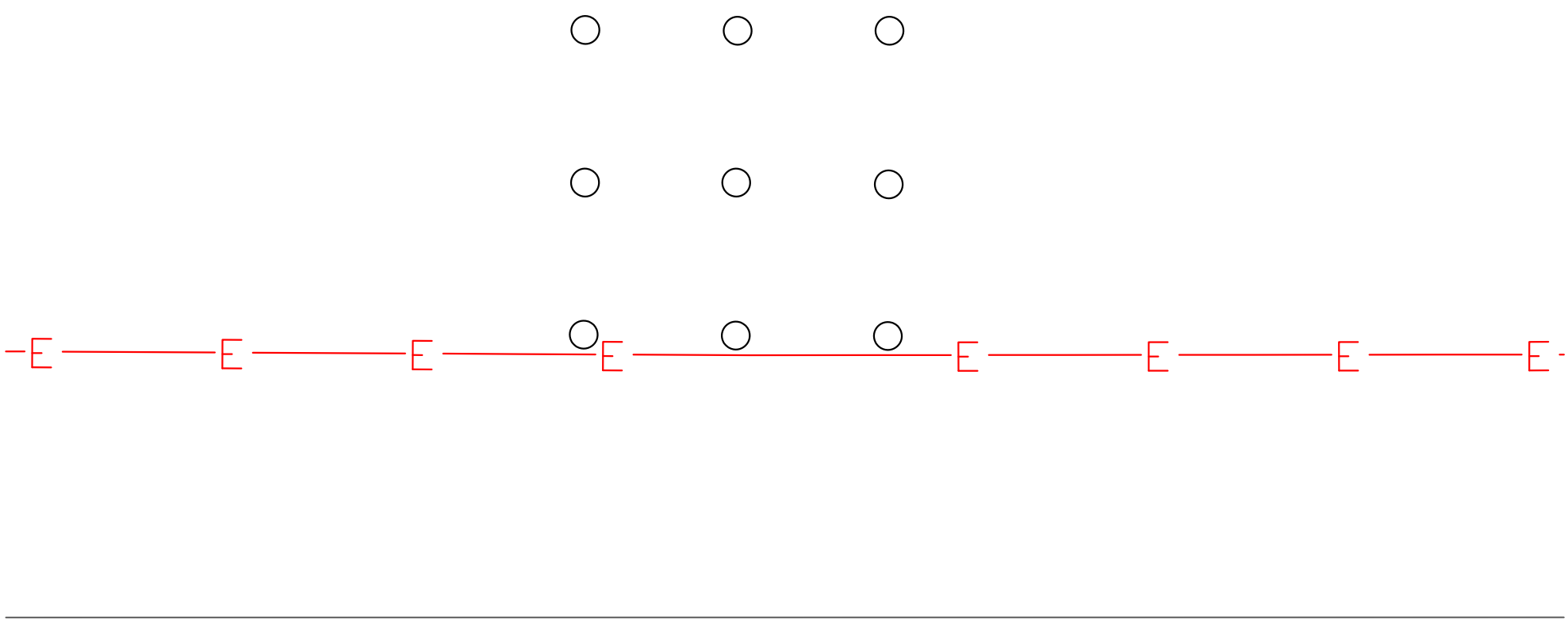
Sincerely,
Enviroscan, Inc.

William E. Steinhart III, M.Sc., P.G.
Principal Geophysicist

Technical Review By:
Enviroscan, Inc.

Felicia Kegel Bechtel, M.Sc., P.G.
President

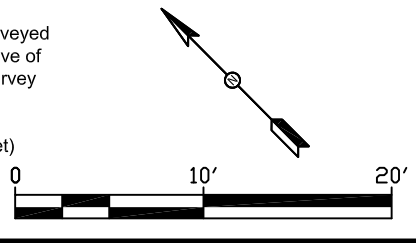
enc.: Figure 1 Utility Survey



Electrical Line
Telcom Line
Storm Line
Fire Protection Line
Unknown Utility
Boring Location

The information depicted on this drawing represents survey results on the date surveyed and can only be considered to be indicative of the general conditions existing on that survey date.

Coordinates in Maryland State Plane (feet)
NAD-83 Datum.



Prepared by:

ENVIROSCAN, INC.

Enviroscan, Inc.
1051 Columbia Avenue
Lancaster, PA
(717) 396-8922

Boring Locations Test Pit A64 Investigation

Taxiway Tango

Martin State Airport
Middle River, MD

Figure 1

Project Number	Survey Date	Drawn by:
081636	08/29/16	WES
Original Scale	Revision/Issue	Approved by:
1" = 10'	09/14/16	FKB

APPENDIX B—SOIL BORING LOGS AND SAMPLE LOG SHEETS

Tetra Tech
20251 Century Blvd
Germantown MD 20874
Telephone: 3015285552

BORING NUMBER DR-SB-250

CLIENT Lockheed Martin Corporation, Bethesda, Maryland
PROJECT NAME Martin State Airport
PROJECT NUMBER 112IC07809
PROJECT LOCATION Martin State Airport, Middle River, Maryland
DATE STARTED 9/19/16 **COMPLETED** 9/19/16
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Ground Zero
DRILLING METHOD Direct Push Technology
GROUND WATER LEVELS:
LOGGED BY S. Cameron
AFTER DRILLING ---
DATUM: MD STATE NAD 1983
NOTES
NORTHING 604825.098099999 ft **EASTING** 1478917.49799999 ft

DEPTH (ft)	U.S.C.S.	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0	OL	Dark brown, fine grained SANDY SILT with organics including grass roots. Moist	PID = 0
0.5	SC	Clayey fine grained SAND with some silt and trace gravel. Slightly moist.	
2.5			PID = 0
3.0	ML	Gray/brown SILT with some fine grained sand and clay. Cohesive, slightly moist.	
5.0			PID = 11.7
6.0	SW	Light brown, mine to medium grained SAND. Clean, moist.	PID = 0
6.5	CL	Light brown, medium to low plasticity CLAY. Slightly moist, dense.	
7.0	SW	Light brown fine to medium grained sand. Clean, moist.	
7.5			
8.0	CL	Red/brown medium plasticity CLAY. Dense, slightly moist.	PID = 0
10.0			PID = 1.1
10.5	CL	Black, low plasticity, soft CLAY with organics such as wood debris. Slightly odorous, moist.	
11.0	CL	Red/brown, medium plasticity CLAY. Dense, slightly moist.	
12.0			PID = 0
12.5			
15.0			

Bottom of borehole at 15.0 feet.

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BORING NUMBER DR-SB-251

CLIENT Lockheed Martin Corporation, Bethesda, Maryland
PROJECT NAME Martin State Airport
PROJECT NUMBER 112IC07809
PROJECT LOCATION Martin State Airport, Middle River, Maryland
DATE STARTED 9/19/16 **COMPLETED** 9/19/16
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Ground Zero
DRILLING METHOD Direct Push Technology
GROUND WATER LEVELS:
LOGGED BY S. Cameron
AFTER DRILLING ---
DATUM: MD STATE NAD 1983
NOTES
NORTHING 604832.1707 ft **EASTING** 1478924.57119999 ft

DEPTH (ft)	LITHOLOGIC SAMPLE	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0		OL		0.1 Dark brown, fine grained SANDY SILT with organics including grass roots. Moist	PID = 0
		SW		Red/brown, fine grained SILTY SAND with trace gravel. Slightly moist.	
				2.0	
2.5		CL-ML		Dark brown SILTY CLAY with some fine grained sand and trace gravel	PID = 0
					PID = 4.7
5.0				5.0	
		OH		5.1 Dark brown ORGANIC MATTER, wood debris	
		CL-ML		Dark brown SILTY CLAY with some fine grained sand and trace gravel	PID = 0.6
				6.5	
		GC		6.8 Red/brown medium plasticity CLAY. Dense, slightly moist.	
		SC		Dark brown SILTY CLAY with some fine grained sand and trace gravel	
7.5				7.5	
		SM		Green/brown/gray, fine grained SILTY SAND. Dry, Dense, slightly cohesive.	PID = 5.2
				9.0	
		OH		Black ORGANIC MATTER, wood debris. Moist.	
10.0				10.0	
		CL		Black stained CLAY with some well sorted, medium grained gravel. Very sove, low plasticity, wet, odorous.	PID = 3.9
				11.5	
		ML		Green/brown/gray, fine grained SILTY SAND. wet, Dense.	PID = 0
12.5					
				13.5	
		CL-ML		Cream colored SILTY CLAY. Very low plasticity, very slightly moist.	
15.0				15.0	

Bottom of borehole at 15.0 feet.

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Telephone: 3015285552

BORING NUMBER DR-SB-252

CLIENT Lockheed Martin Corporation, Bethesda, Maryland
PROJECT NAME Martin State Airport
PROJECT NUMBER 112IC07809
PROJECT LOCATION Martin State Airport, Middle River, Maryland
DATE STARTED 9/20/16 **COMPLETED** 9/20/16
GROUND ELEVATION **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Ground Zero
DRILLING METHOD Direct Push Technology
GROUND WATER LEVELS:
LOGGED BY S. Cameron
AFTER DRILLING ---
DATUM: MD STATE NAD 1983
NOTES
NORTHING 604839.2415 ft **EASTING** 1478931.6401 ft

DEPTH (ft)	LITHOLOGIC SAMPLE	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0		OL		0.1 Dark brown, fine grained SANDY SILT with organics including grass roots. Moist	PID = 0
		SM		Light brown, fine grained SILTY SAND with some clay. Dry, dense, cohesive.	
2.5				2.5	PID = 0
		CL-ML		Dark brown mottled red/brown SILTY CLAY with some sand. Moderately soft, low to medium plasticity, slightly moist.	PID = 0
5.0					PID = 0.8
				7.0	
		OH		7.1 Black lense of ORGANIC MATTER. Wood debris	
7.5		CL-ML		7.5 Dark brown mottled red/brown SILTY CLAY with some sand. Moderately soft, low to medium plasticity, slightly moist.	
		SM		8.0 Green/gray/brown fine grained SANDY SILT. Slightly moist to dry.	PID = 0.5
		GP		Black stained poorly sorted SANDY GRAVEL. Saturated, loose.	
				9.0	
10.0		CL		Red/brown CLAY with some silt. Medium plasticity, very soft, very moist.	PID = 0
				11.0	
		SM		Green/brown/gray, fine grained SILTY SAND with some clay. Saturated, very soft, cohesive.	PID = 0
12.5					
				14.0	
		SM		Red/brown fine grained SILTY SAND. Dense, slightly moist	
				14.5	
15.0		CL-ML		Cream colored SILTY CLAY. Very low plasticity, very slightly moist.	
				15.0	

Bottom of borehole at 15.0 feet.

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BORING NUMBER DR-SB-253

CLIENT Lockheed Martin Corporation, Bethesda, Maryland
PROJECT NAME Martin State Airport
PROJECT NUMBER 112IC07809
PROJECT LOCATION Martin State Airport, Middle River, Maryland
DATE STARTED 9/19/16 **COMPLETED** 9/19/16
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Ground Zero
DRILLING METHOD Direct Push Technology
GROUND WATER LEVELS:
LOGGED BY S. Cameron
AFTER DRILLING ---
DATUM: MD STATE NAD 1983
NOTES
NORTHING 604818.0315 ft **EASTING** 1478924.56899999 ft

DEPTH (ft)	LITHOLOGIC SAMPLE	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0		OL		0.3 Dark brown, fine grained SANDY SILT with organics including grass roots. Moist	PID = 0
		SC		Red/brown fine grained CLAYEY SAND with trace grave. Slightly moist.	
2.5					PID = 0
				3.0 Dark brown SILTY CLAY with some fine grained sand and trace gravel. Very low plasticity, slightly moist.	
		CL-ML			PID = 0
5.0					
				6.0	
		SM		Red/brown, fine grained SILTY SAND. Slightly moist.	PID = 1
				6.5	
		SW		6.6 Light brown fine to medium grained clean SAND lense. Moist.	
		SM		7.0 Red/brown, fine grained SILTY SAND. Slightly moist.	
		SW		7.1 Light brown fine to medium grained clean SAND lense. Moist.	
7.5					
		SM		Red/brown, fine grained SILTY SAND. Slightly moist.	
				8.0	
		CL		Red/brown medium plasticity, moderately dense, CLAY. Slightly moist.	PID = 0
10.0				10.0	
		CL-ML		Black CLAYEY SILT with organics such as wood pieces and trace sand. Moist.	PID = 0
				12.0	
12.5		CL		Light gray, medium plasticity CLAY. Moderately hard, slightly moist.	PID = 0
15.0				15.0	

Bottom of borehole at 15.0 feet.

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BORING NUMBER DR-SB-254

CLIENT Lockheed Martin Corporation, Bethesda, Maryland
PROJECT NAME Martin State Airport
PROJECT NUMBER 112IC07809
PROJECT LOCATION Martin State Airport, Middle River, Maryland
DATE STARTED 9/19/16 **COMPLETED** 9/19/16
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Ground Zero
DRILLING METHOD Direct Push Technology
GROUND WATER LEVELS:
LOGGED BY S. Cameron
AFTER DRILLING ---
DATUM: MD STATE NAD 1983
NOTES
NORTHING 604825.101099999 ft **EASTING** 1478931.64039999 ft

DEPTH (ft)	LITHOLOGIC SAMPLE	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0		OL		0.2 Dark brown, fine grained SANDY SILT with organics including grass roots. Moist	PID = 0
				Red/brown fine grained SILTY SAND with some medium grained gravel. Dry.	
2.5		SM			PID = 0
				4.0	
				Dark brown SILTY CLAY with some fine grained sand and trace gravel. Very low plasticity, slightly moist.	PID = 0
5.0		CL-ML		6.0	
		GC		Black, poorly sorted SANDY GRAVEL with some silt and clay. Wet.	PID = 20.2
7.5				7.0 No Recovery	
10.0					
12.5				13.5	
		GC		Black, poorly sorted SANDY GRAVEL with some silt and clay. Wet.	PID = 19.3
				14.5	
		OH		14.7 Black lense of ORGANIC MATTER. Wood debris	
15.0		CL-		15.0	

(Continued Next Page)

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BORING NUMBER DR-SB-254

CLIENT Lockheed Martin Corporation, Bethesda, Maryland **PROJECT NAME** Martin State Airport

PROJECT NUMBER 112IC07809 **PROJECT LOCATION** Martin State Airport, Middle River, Maryland

DEPTH (ft)	LITHOLOGIC SAMPLE	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
		ML		Cream colored SILTY CLAY. Very low plasticity, very slightly moist.	
				Bottom of borehole at 15.0 feet.	

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BORING NUMBER DR-SB-255

CLIENT Lockheed Martin Corporation, Bethesda, Maryland
PROJECT NAME Martin State Airport
PROJECT NUMBER 112IC07809
PROJECT LOCATION Martin State Airport, Middle River, Maryland
DATE STARTED 9/20/16 **COMPLETED** 9/20/16
GROUND ELEVATION ___ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Ground Zero
DRILLING METHOD Direct Push Technology
GROUND WATER LEVELS:
LOGGED BY S. Cameron
AFTER DRILLING ---
DATUM: MD STATE NAD 1983
NOTES
NORTHING 604832.1718 ft **EASTING** 1478938.7101 ft

DEPTH (ft)	LITHOLOGIC SAMPLE	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0		OL		0.1 Dark brown, fine grained SANDY SILT with organics including grass roots. Moist	PID = 0
		SM		Light brown fine grained SILTY SAND with some clay. Dry, dense, cohesive.	
2.5				2.5	PID = 0
		SP		2.7 Brown GRAVELLY SAND lense. Moist.	
		CL-ML		3.0 Dark brown SILTY CLAY with some fine grained sand. Moderately soft, low to medium plasticity, slightly moist.	
		SP		3.2 Brown GRAVELLY SAND lense. Moist.	
5.0		CL-ML		Dark brown SILTY CLAY with some fine grained sand. Moderately soft, low to medium plasticity, slightly moist.	PID = 0
					PID = 3.2
7.5		SM		7.5 Green/gray/brown fine grained SANDY SILT. Slightly moist to dry.	PID = 4.4
				8.5 Black stained, poorly sorted SANDY GRAVEL with some silt and clay. Slightly moist, loose.	
10.0					PID = 1.8
		SP			
12.5					PID = 0
				14.0 Cream colored SILTY CLAY. Very low plasticity, very slightly moist.	
15.0		CL-ML		15.0	

Bottom of borehole at 15.0 feet.

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Germantown MD 20874
Telephone: 3015285552

BORING NUMBER DR-SB-256

CLIENT Lockheed Martin Corporation, Bethesda, Maryland
PROJECT NAME Martin State Airport
PROJECT NUMBER 112IC07809
PROJECT LOCATION Martin State Airport, Middle River, Maryland
DATE STARTED 9/19/16 **COMPLETED** 9/19/16
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Ground Zero
DRILLING METHOD Direct Push Technology
GROUND WATER LEVELS:
LOGGED BY S. Cameron
AFTER DRILLING ---
DATUM: MD STATE NAD 1983
NOTES
NORTHING 604810.9595 ft **EASTING** 1478931.6391 ft

DEPTH (ft)	LITHOLOGIC SAMPLE	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0		OL		0.3 Dark brown, fine grained SANDY SILT with organics including grass roots. Moist	PID = 0
		SM		Red/brown fine grained SILTY SAND with clay and trace gravel. Slightly moist.	
2.5		CL		2.3 Red/brown low to medium plasticity CLAY with some fine grained sand and trace gravel. Moderately dense. Slightly moist.	PID = 0
5.0		CL-ML		4.3 Dark brown SILTY CLAY with some fine grained sand and trace gravel. Very low plasticity, slightly moist.	PID = 0.2
		SM		6.0 6.3 Red/brown fine grained SILTY SAND with some clay. Cohesive.	PID = 0
		SW		6.5 Brown clean SAND lense. Moist.	
		SM		7.0 Red/brown fine grained SILTY SAND with some clay. Cohesive.	
		SW		7.2 Brown clean SAND lense. Moist.	
7.5		SM		Red/brown fine grained SILTY SAND with some clay. Cohesive.	
		SW		8.5 8.7 Brown clean SAND lense. Moist.	PID = 0
		CL		Red/brown, medium plasticity CLAY. Moderately dense, slightly moist.	
10.0		CL-ML		9.5 Black CLAYEY SILT with organics such as wood pieces and trace sand. Wet.	
		SW		10.0 Brown course grained loose SAND. Wet.	PID = 0
12.5				12.0 No Recovery	
15.0				15.0	

Bottom of borehole at 15.0 feet.

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Germantown MD 20874
Telephone: 3015285552

BORING NUMBER DR-SB-257

CLIENT Lockheed Martin Corporation, Bethesda, Maryland
PROJECT NAME Martin State Airport
PROJECT NUMBER 112IC07809
PROJECT LOCATION Martin State Airport, Middle River, Maryland
DATE STARTED 9/20/16 **COMPLETED** 9/20/16
GROUND ELEVATION _____ **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Ground Zero
DRILLING METHOD Direct Push Technology
GROUND WATER LEVELS:
LOGGED BY S. Cameron
AFTER DRILLING ---
DATUM: MD STATE NAD 1983
NOTES
NORTHING 604818.0306 ft **EASTING** 1478938.7116 ft

DEPTH (ft)	LITHOLOGIC SAMPLE	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0		OL		0.1 Dark brown, fine grained SANDY SILT with organics including grass roots. Moist	PID = 0
		CL-ML		Red/brown SILTY CLAY with fine grained sand and trace gravel. Low plasticity, moderately soft, moist.	
2.5				2.5	PID = 0
		CL		Red/brown low to medium plasticity CLAY with trace gravel. Moderately soft, moist.	
		SW		3.0 3.2 Brown clean SAND lense. Moist.	
		CL		Red/brown low to medium plasticity CLAY with trace gravel. Moderately soft, moist.	PID = 0
5.0				6.0	
		SC		Black mottled red/brown poorly sorted SANDY CLAY with organics (wood debris) and trace gravel. Moist	PID = 7.5
7.5					PID = 12.5
10.0					PID = 11.1
12.5					PID = 0
		GM		13.0 Dark Gray SILTY GRAVEL with sand. Angular, poorly sorted, very slightly moist. 14.0	
		CL-ML		Cream colored SILTY CLAY. Very low plasticity, very slightly moist.	
15.0				15.0	

Bottom of borehole at 15.0 feet.

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BORING NUMBER DR-SB-258

CLIENT Lockheed Martin Corporation, Bethesda, Maryland
PROJECT NAME Martin State Airport
PROJECT NUMBER 112IC07809
PROJECT LOCATION Martin State Airport, Middle River, Maryland
DATE STARTED 9/20/16 **COMPLETED** 9/20/16
GROUND ELEVATION **HOLE SIZE** 2 inches
DRILLING CONTRACTOR Ground Zero
DRILLING METHOD Direct Push Technology
GROUND WATER LEVELS:
LOGGED BY S. Cameron
AFTER DRILLING ---
DATUM: MD STATE NAD 1983
NOTES
NORTHING 604825.1041 ft **EASTING** 1478945.7792 ft

DEPTH (ft)	LITHOLOGIC SAMPLE	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	ENVIRONMENTAL DATA
0.0		OL		0.3 Dark brown, fine grained SANDY SILT with organics including grass roots. Moist	PID = 0
		SM		Light brown fine grained SILTY SAND with some clay. Dry, dense, cohesive. 1.5	
		SM		Gray/green/brown fine grained SANDY SILT, slightly moist to dry. 2.0	
2.5		CL-ML		Dark brown mottled red/brown SILTY CLAY with some sand. Moderately soft, low to medium plasticity, slightly moist.	PID = 0
				4.5	PID = 6.2
5.0		CL		Red/brown CLAY with some silt. Medium plasticity, soft, slightly moist. 7.0	PID = 15.4
7.5		SM		Gray/green/brown fine grained SANDY SILT, slightly moist to dry. 7.5	
		GP		Black stained poorly sorted SANDY GRAVEL with clay. Periodically cohesive, moist, dense.	PID = 3.8
10.0				10.5	PID = 2.8
		SM		Gray/green/brown fine grained SANDY SILT, slightly moist to dry.	
12.5				12.5	PID = 0.2
		CL-ML		Cream colored SILTY CLAY. Very low plasticity, very slightly moist.	
15.0				15.0	

Bottom of borehole at 15.0 feet.

TT MW BORING 2 - GINT STD US LAB.GDT - 9/21/16 15:47 - C:\USERS\STUART.CAMERON\DOCUMENTS\GINT\DRA TEST PIT SOIL BORINGS.GPJ

TETRA TECH, INC.

SOIL SAMPLE LOG SHEET

Project Site Name:	Taxiway Tango	Sample ID No. :	DR-SB-250
Project Number:	11208033	Sample Location :	SB-250
Sample Type:	Subsurface Soil	Sampled By:	S. Cameron
Date:	September 19, 2016	COC No.:	

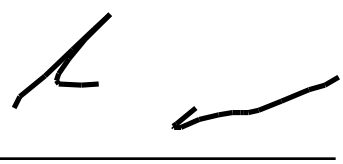
Sampling Data

Time	Sample ID	PID (ppm)	Description (sand, silt, clay, moisture, etc)
9:30 AM	DR-SB-250-0-3	0.0	See soil boring logs
9:32 AM	DR-SB-250-24-27	0.0	See soil boring logs
9:35 AM	DR-SB-250-48-51	0.0	See soil boring logs
9:42 AM	DR-SB-250-72-75	11.7	See soil boring logs
9:45 AM	DR-SB-250-96-99	0.0	See soil boring logs
9:47 AM	DR-SB-250-120-123	0.0	See soil boring logs
9:50 AM	DR-SB-250-144-145	1.1	See soil boring logs

Analysis	Container Requirements	Preservation	Quantity
PCBs (8082A)	4oz glass jar	Unpres	7
–	–	–	
–	–	–	
–	–	–	
–	–	–	

Observations / Notes / Duplicate Data

Signature :



TETRA TECH, INC.

SOIL SAMPLE LOG SHEET

Soil Boring Photo:



Notes: Surface soil is at the bottom left, with bottom of boring at upper right of photo.

TETRA TECH, INC.

SOIL SAMPLE LOG SHEET

Project Site Name:	Taxiway Tango	Sample ID No. :	DR-SB-251
Project Number:	11208033	Sample Location :	SB-251
Sample Type:	Subsurface Soil	Sampled By:	S. Cameron
Date:	September 19, 2016	COC No.:	

Sampling Data

Time	Sample ID	PID (ppm)	Description (sand, silt, clay, moisture, etc)
2:00 PM	DR-SB-251-0-3	0.0	See soil boring logs
2:03 PM	DR-SB-251-24-27	0.0	See soil boring logs
2:05 PM	DR-SB-251-48-51	4.7	See soil boring logs
2:07 PM	DR-SB-251-72-75	0.6	See soil boring logs
2:10 PM	DR-SB-251-96-99	5.2	See soil boring logs
2:12 PM	DR-SB-251-120-123	3.9	(Odorous) See soil boring logs
2:15 PM	DR-SB-251-144-145	0.0	See soil boring logs

Analysis	Container Requirements	Preservation	Quantity
PCBs (8082A)	4oz glass jar	Unpres	7
–	–	–	
–	–	–	
–	–	–	
–	–	–	

Observations / Notes / Duplicate Data

Signature :



TETRA TECH, INC.

SOIL SAMPLE LOG SHEET

Soil Boring Photo:



Notes: Surface soil is at the bottom left, with bottom of boring at upper right of photo.

TETRA TECH, INC.

SOIL SAMPLE LOG SHEET

Project Site Name:	Taxiway Tango	Sample ID No. :	DR-SB-252
Project Number:	11208033	Sample Location :	SB-252
Sample Type:	Subsurface Soil	Sampled By:	S. Cameron
Date:	September 20, 2016	COC No.:	

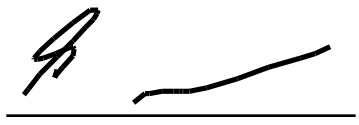
Sampling Data

Time	Sample ID	PID (ppm)	Description (sand, silt, clay, moisture, etc)
9:50 AM	DR-SB-252-0-3	0.0	See soil boring logs
9:51 AM	DR-SB-252-24-27	0.0	See soil boring logs
9:52 AM	DR-SB-252-48-51	0.0	See soil boring logs
9:53 AM	DR-SB-252-72-75	0.8	See soil boring logs
9:54 AM	DR-SB-252-96-99	0.5	See soil boring logs
9:55 AM	DR-SB-252-120-123	0.0	See soil boring logs
9:56 AM	DR-SB-252-144-145	0.0	See soil boring logs

Analysis	Container Requirements	Preservation	Quantity
PCBs (8082A)	4oz glass jar	Unpres	7
–	–	–	
–	–	–	
–	–	–	
–	–	–	

Observations / Notes / Duplicate Data

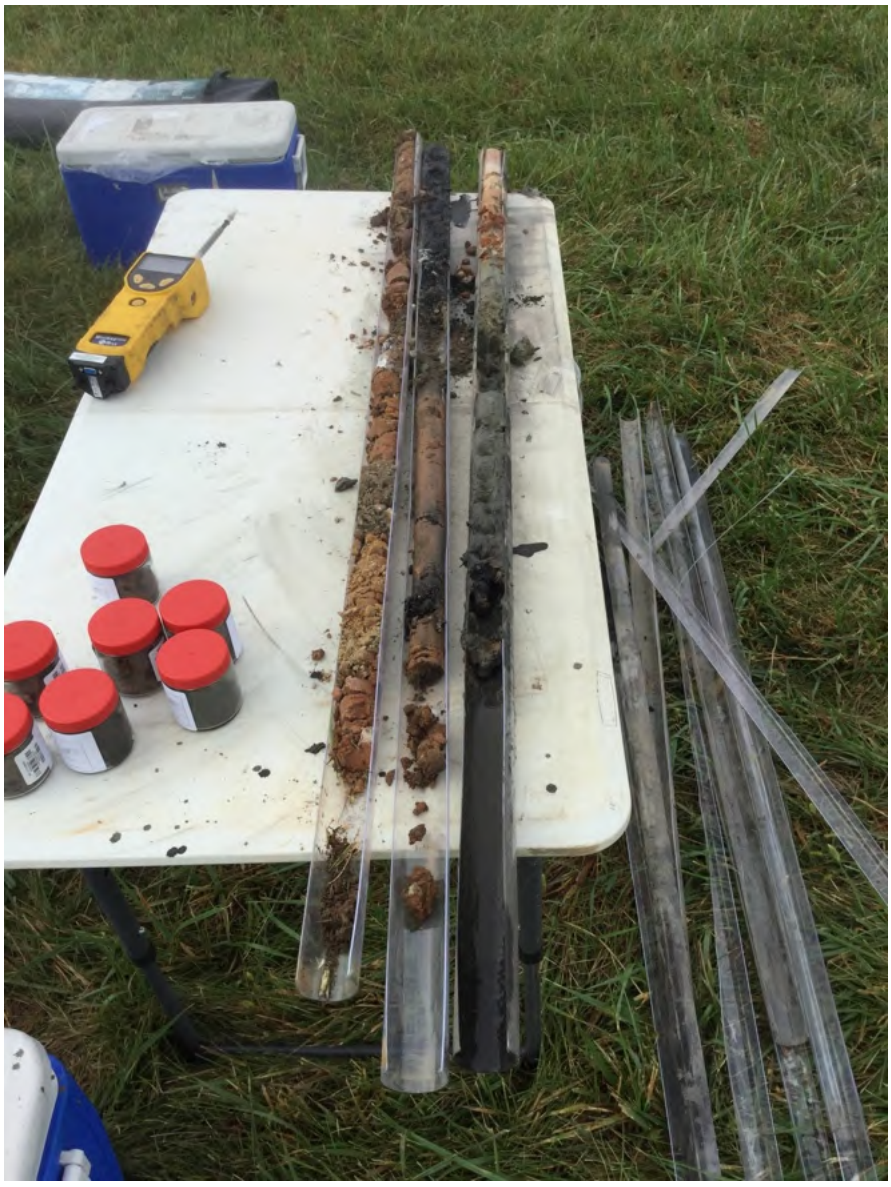
Signature :



TETRA TECH, INC.

SOIL SAMPLE LOG SHEET

Soil Boring Photo:



Notes: Surface soil is at the bottom left, with bottom of boring at upper right of photo.

TETRA TECH, INC.

SOIL SAMPLE LOG SHEET

Project Site Name:	Taxiway Tango	Sample ID No. :	DR-SB-253
Project Number:	11208033	Sample Location :	SB-253
Sample Type:	Subsurface Soil	Sampled By:	S. Cameron
Date:	September 19, 2016	COC No.:	

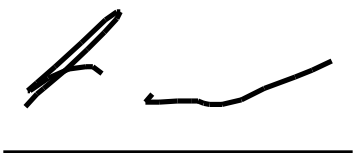
Sampling Data

Time	Sample ID	PID (ppm)	Description (sand, silt, clay, moisture, etc)
10:47 AM	DR-SB-253-0-3	0.0	See soil boring logs
10:50 AM	DR-SB-253-24-27	0.0	See soil boring logs
10:53 AM	DR-SB-253-48-51	0.0	See soil boring logs
10:55 AM	DR-SB-253-72-75	1.0	See soil boring logs
10:58 AM	DR-SB-253-96-99	0.0	See soil boring logs
11:00 AM	DR-SB-253-120-123	0.0	See soil boring logs
11:03 AM	DR-SB-253-144-145	0.0	See soil boring logs

Analysis	Container Requirements	Preservation	Quantity
PCBs (8082A)	4oz glass jar	Unpres	7
–	–	–	
–	–	–	
–	–	–	
–	–	–	

Observations / Notes / Duplicate Data

Signature :



TETRA TECH, INC.

SOIL SAMPLE LOG SHEET

Soil Boring Photo:



Notes: Surface soil is at the bottom left, with bottom of boring at upper right of photo.

TETRA TECH, INC.

SOIL SAMPLE LOG SHEET

Project Site Name:	Taxiway Tango	Sample ID No. :	DR-SB-254
Project Number:	11208033	Sample Location :	SB-254
Sample Type:	Subsurface Soil	Sampled By:	S. Cameron
Date:	September 19, 2016	COC No.:	

Sampling Data

Time	Sample ID	PID (ppm)	Description (sand, silt, clay, moisture, etc)
2:40 PM	DR-SB-254-0-3	0.0	See soil boring logs
2:42 PM	DR-SB-254-24-27	0.0	See soil boring logs
2:45 PM	DR-SB-254-48-51	0.0	See soil boring logs
3:47 PM	DR-SB-254-72-75	20.2	See soil boring logs

Analysis	Container Requirements	Preservation	Quantity
PCBs (8082A)	4oz glass jar	Unpres	4
–	–	–	
–	–	–	
–	–	–	
–	–	–	

Observations / Notes / Duplicate Data

Water level encountered at 7' so sampling ceased at that depth.

Signature : _____

TETRA TECH, INC.

SOIL SAMPLE LOG SHEET

Soil Boring Photo:



Notes: Surface soil is at the bottom left, with bottom of boring at upper right of photo. Collected samples prior to taking photo, so several inches of soil are missing at the sampled depths.

TETRA TECH, INC.

SOIL SAMPLE LOG SHEET

Project Site Name:	Taxiway Tango	Sample ID No. :	DR-SB-255
Project Number:	11208033	Sample Location :	SB-255
Sample Type:	Subsurface Soil	Sampled By:	S. Cameron
Date:	September 20, 2016	COC No.:	

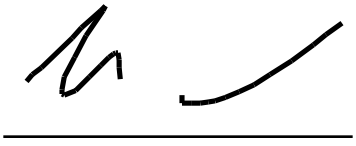
Sampling Data

Time	Sample ID	PID (ppm)	Description (sand, silt, clay, moisture, etc)
10:40 AM	DR-SB-255-0-3	0.0	See soil boring logs
10:41 AM	DR-SB-255-24-27	0.0	See soil boring logs
10:42 AM	DR-SB-255-48-51	0.0	See soil boring logs
10:43 AM	DR-SB-255-72-75	3.2	See soil boring logs
10:44 AM	DR-SB-255-96-99	4.4	See soil boring logs
10:45 AM	DR-SB-255-120-123	1.8	See soil boring logs
10:46 AM	DR-SB-255-144-145	0.0	See soil boring logs

Analysis	Container Requirements	Preservation	Quantity
PCBs (8082A)	4oz glass jar	Unpres	7
–	–	–	
–	–	–	
–	–	–	
–	–	–	

Observations / Notes / Duplicate Data

Signature :



TETRA TECH, INC.

SOIL SAMPLE LOG SHEET

Soil Boring Photo:



Notes: Surface soil is at the bottom left, with bottom of boring at upper right of photo. Samples collected prior to photo, so some volume is not shown.

TETRA TECH, INC.

SOIL SAMPLE LOG SHEET

Project Site Name:	Taxiway Tango	Sample ID No. :	DR-SB-256
Project Number:	11208033	Sample Location :	SB-256
Sample Type:	Subsurface Soil	Sampled By:	S. Cameron
Date:	September 19, 2016	COC No.:	

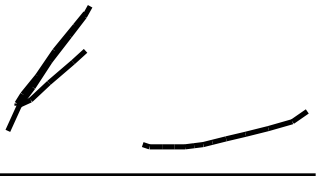
Sampling Data

Time	Sample ID	PID (ppm)	Description (sand, silt, clay, moisture, etc)
12:50 PM	DR-SB-256-0-3	0.0	See soil boring logs
12:53 PM	DR-SB-256-24-27	0.0	See soil boring logs
12:55 PM	DR-SB-256-48-51	0.2	See soil boring logs
12:57 PM	DR-SB-256-72-75	0.0	See soil boring logs
1:00 PM	DR-SB-256-96-99	0.0	See soil boring logs
1:02 PM	DR-SB-256-120-123	0.0	See soil boring logs
1:05 PM	DR-SB-256-144-145	0.0	See soil boring logs

Analysis	Container Requirements	Preservation	Quantity
PCBs (8082A)	4oz glass jar	Unpres	7
–	–	–	
–	–	–	
–	–	–	
–	–	–	

Observations / Notes / Duplicate Data

Signature :



TETRA TECH, INC.

SOIL SAMPLE LOG SHEET

Soil Boring Photo:

Notes: No photo provided

TETRA TECH, INC.

SOIL SAMPLE LOG SHEET

Project Site Name:	Taxiway Tango	Sample ID No. :	DR-SB-257
Project Number:	11208033	Sample Location :	SB-257
Sample Type:	Subsurface Soil	Sampled By:	S. Cameron
Date:	September 20, 2016	COC No.:	

Sampling Data

Time	Sample ID	PID (ppm)	Description (sand, silt, clay, moisture, etc)
8:50 AM	DR-SB-257-0-3	0.0	See soil boring logs
8:51 AM	DR-SB-257-24-27	0.0	See soil boring logs
8:52 AM	DR-SB-257-48-51	0.0	See soil boring logs
8:53 AM	DR-SB-257-72-75	7.5	See soil boring logs
8:54 AM	DR-SB-257-96-99	12.5	See soil boring logs
8:55 AM	DR-SB-257-120-123	11.1	See soil boring logs
8:56 AM	DR-SB-257-144-145	0.0	See soil boring logs

Analysis	Container Requirements	Preservation	Quantity
PCBs (8082A)	4oz glass jar	Unpres	7
–	–	–	
–	–	–	
–	–	–	
–	–	–	

Observations / Notes / Duplicate Data

Signature :



TETRA TECH, INC.

SOIL SAMPLE LOG SHEET

Soil Boring Photo:

Notes: No photo provided.

TETRA TECH, INC.

SOIL SAMPLE LOG SHEET

Project Site Name:	Taxiway Tango	Sample ID No. :	DR-SB-258
Project Number:	11208033	Sample Location :	SB-258
Sample Type:	Subsurface Soil	Sampled By:	S. Cameron
Date:	September 20, 2016	COC No.:	

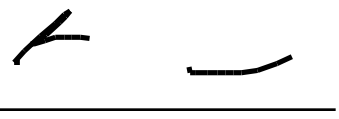
Sampling Data

Time	Sample ID	PID (ppm)	Description (sand, silt, clay, moisture, etc)
11:00 AM	DR-SB-258-0-3	0.0	See soil boring logs
11:01 AM	DR-SB-258-24-27	0.0	See soil boring logs
11:02 AM	DR-SB-258-48-51	6.2	See soil boring logs
11:03 AM	DR-SB-258-72-75	15.4	See soil boring logs
11:04 AM	DR-SB-258-96-99	3.8	See soil boring logs
11:05 AM	DR-SB-258-120-123	2.8	See soil boring logs
11:06 AM	DR-SB-258-144-145	0.2	See soil boring logs

Analysis	Container Requirements	Preservation	Quantity
PCBs (8082A)	4oz glass jar	Unpres	7
–	–	–	
–	–	–	
–	–	–	
–	–	–	

Observations / Notes / Duplicate Data

Signature :



TETRA TECH, INC.

SOIL SAMPLE LOG SHEET

Soil Boring Photo:



Notes: Surface soil is at the bottom left, with bottom of boring at upper right of photo.

APPENDIX C—DATA-VALIDATION REPORT

TETRA TECH

INTERNAL CORRESPONDENCE

TO: **M. MARTIN** **DATE:** **NOVEMBER 17, 2016**

FROM: **LEIGH A. CIOFANI** **COPIES:** **DV FILE**

SUBJECT: **ORGANIC AND INORGANIC DATA VALIDATION – PCB / VOC / TCLP VOC / TCLP SVOC / TCLP PESTICIDES / TCLP HERBICIDES / TCLP METALS / FLASHPOINT**
MSA DUMP ROAD PCB INVESTIGATION - FULL REVIEW
SAMPLE DELIVERY GROUP (SDG) 240-69767-1

SAMPLES: 1 / Soil / VOC

DR-TP-A64-PRE-EX

1 / Aqueous / VOC

TB-092016

61 / Soil / PCB

DR-SB-250-0-3	DR-SB-250-120-123	DR-SB-250-144-145
DR-SB-250-24-27	DR-SB-250-48-51	DR-SB-250-72-75
DR-SB-250-96-99	DR-SB-251-0-3	DR-SB-251-120-123
DR-SB-251-144-145	DR-SB-251-24-27	DR-SB-251-48-51
DR-SB-251-72-75	DR-SB-251-96-99	DR-SB-252-0-3
DR-SB-252-120-123	DR-SB-252-144-145	DR-SB-252-24-27
DR-SB-252-48-51	DR-SB-252-72-75	DR-SB-252-96-99
DR-SB-253-0-3	DR-SB-253-120-123	DR-SB-253-144-145
DR-SB-253-24-27	DR-SB-253-48-51	DR-SB-253-72-75
DR-SB-253-96-99	DR-SB-254-0-3	DR-SB-254-24-27
DR-SB-254-48-51	DR-SB-254-72-75	DR-SB-255-0-3
DR-SB-255-120-123	DR-SB-255-144-145	DR-SB-255-24-27
DR-SB-255-48-51	DR-SB-255-72-75	DR-SB-255-96-99
DR-SB-256-0-3	DR-SB-256-120-123	DR-SB-256-144-145
DR-SB-256-24-27	DR-SB-256-48-51	DR-SB-256-72-75
DR-SB-256-96-99	DR-SB-257-0-3	DR-SB-257-120-123
DR-SB-257-144-145	DR-SB-257-24-27	DR-SB-257-48-51
DR-SB-257-72-75	DR-SB-257-96-99	DR-SB-258-0-3
DR-SB-258-120-123	DR-SB-258-144-145	DR-SB-258-24-27
DR-SB-258-48-51	DR-SB-258-72-75	DR-SB-258-96-99
DR-TP-A64-PRE-EX		

1 / Aqueous / TCLP VOC / TCLP SVOC / TCLP Pesticides / TCLP Herbicides / TCLP Metals / Flashpoint

DR-TP-A64-PRE-EX

OVERVIEW

The sample set for MSA Dump Road PCB Investigation, SDG 240-69767-1, consists of sixty-one (61) soil environmental samples and one (1) trip blank. Samples were analyzed for volatile organic compounds (VOC), polychlorinated biphenyls (PCB) (Aroclors), toxicity characteristic leaching procedure (TCLP) VOC, TCLP semivolatile organic compounds (SVOC), TCLP pesticides, TCLP herbicides, TCLP metals, and

flashpoint. No field duplicate pairs are included in this SDG. The samples were collected by Tetra Tech on September 19 and 20, 2016 and analyzed by TestAmerica.

Analyses were conducted in accordance with SW-846 Methods 8260B (VOC), 8270C (SVOC), 8081A (pesticides), 8082A (PCBs), 8151A (herbicides), 6010C (metals), 7470A (mercury), and 1010A (flashpoint) analytical and reporting protocols.

The data contained in this SDG were validated with regard to the following parameters: data completeness, holding times, GC/MS tuning, initial/continuing calibrations, laboratory method blanks, surrogate spike recoveries, laboratory control sample results, matrix spike/matrix spike duplicate results, internal standard recoveries, chromatographic resolution, analyte identification, analyte quantitation, and detection limits. Areas of concern with respect to data quality are listed below.

MAJOR PROBLEMS

- The laboratory case narrative states that the VOC analyte 2-chloroethyl vinyl ether cannot be reliably recovered in acid preserved samples, and sample TB-092016 was acid preserved. The non-detected result for 2-chloroethyl vinyl ether in sample TB-092016 was rejected (UR) on this basis.

MINOR PROBLEMS

- The VOC continuing calibration performed on 09/28/16 at 13:46 on instrument A3UX17 had percent differences (%Ds) for bromomethane, chloroethane, trichlorofluoromethane, tertiary-butyl alcohol, 2,2-dichloropropane, 1,1,1-trichloroethane, carbon tetrachloride, bromodichloromethane, chlorodibromomethane, 1,1,1,2-tetrachloroethane, and naphthalene that exceeded the 20% quality control limit. Sample TB-092016 was associated with this calibration. Non-detected results for these analytes were qualified as estimated (UJ) in the affected samples.

- The VOC continuing calibration performed on 09/22/16 at 04:49 on instrument A3UX8 had %Ds for tertiary-butyl alcohol, 2-chloroethyl vinyl ether, 1,2-dibromo-3-chloropropane, and naphthalene that exceeded the 20% quality control limit. Sample DR-TP-A64-PRE-EX was associated with this calibration. Non-detected results for these analytes were qualified as estimated (UJ) in the affected sample.

- The following VOCs were detected in the method blanks at the following concentrations:

Contaminant	Maximum Concentration	Action Level
1,2,3-Trichlorobenzene	0.649 ug/kg	3.245 ug/kg
1,2,4-Trichlorobenzene	0.519 ug/kg	2.595 ug/kg
Naphthalene	0.836 ug/kg	4.18 ug/kg

  Action levels of 5x the maximum concentrations were established in order to evaluate samples for blank contamination. Sample percent solids and dilution factors, if applicable, were taken into account when applying the action levels. Detected results less than the action level were qualified as non-detected due to blank contamination (U).

- Several tentatively identified compounds (TICs) were detected in sample DR-TP-A64-PRE-EX. The GC/MS instrument was not calibrated for these TICs; therefore, the detected compounds were qualified as estimated (NJ) and assumed to be presumptively present.

- The following TCLP metals analyte was detected in the method blanks at the following concentration:

Contaminant	Maximum Concentration	< or > RL
Chromium	0.000714 mg/L(1)	< RL

1 – Concentration detected in method blank associated with preparation batch 248715 affecting sample DR-TP-A64-PRE-EX.

The detected result reported for chromium was below the reporting limit (RL) and were qualified as non-detected (U) due to blank contamination in the affected sample.

- PCB surrogate recoveries for decachlorobiphenyl (DCB) were greater than the laboratory quality control limits for several samples as follows:

Sample	Noncompliance
DR-SB-252-24-27	high %R (< 200%)
DR-SB-253-24-27	high %R (< 200%)
DR-SB-255-72-75	high %R (< 200%)
DR-SB-255-120-123	high %R (< 200%)
DR-SB-255-144-145	high %R (> 200%)
DR-SB-257-144-145	high %R (< 200%)

Detected PCB results reported for the samples listed above were qualified as estimated (J+) (or "J" in the case of additional noncompliances). No action was taken for non-detected results.

- Several PCB samples had relative percent differences (RPDs) between columns for detections that were greater than the 40% quality control limit:

Sample	Analyte	RPD (%)
DR-SB-250-120-123	Aroclor-1254	94.38
DR-SB-252-48-51	Aroclor-1254	60.75
DR-SB-255-96-99	Aroclor-1254	93.59
DR-SB-257-144-145	Aroclor-1254	166.22

The laboratory flagged the affected result in sample DR-SB-257-144-145 with a "P" qualifier; the remaining results were not flagged. The laboratory did not supply Form Xs; however, the RPDs were calculated and presented on the sample raw data forms, which are included in Appendix C of this report. The detected results for Aroclor-1254 in the samples listed above were qualified as estimated (J).

- Detected results below the RL but above the method detection limit (MDL) were qualified as estimated (J).

NOTES

Non-detected results were reported to the MDL.

PCB samples DR-SB-255-120-123 and DR-SB-255-96-99 were analyzed at dilution factors of 10 and 5, respectively.

The laboratory case narrative report (included in Appendix C of this validation report) lists the PCB samples that required a tetrabutylammonium sulfite clean-up to reduce matrix interferences caused by sulfur.

The laboratory case narrative states that the following samples appear to contain PCBs; however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: DR-SB-250-120-123, DR-SB-250-144-145, DR-SB-252-24-27, DR-SB-252-120-123, DR-SB-253-24-27, DR-SB-255-48-51, DR-SB-255-72-75, DR-SB-255-144-145, and DR-SB-256-48-51. The samples have been quantified and reported as a mixture of Aroclors 1254 and 1260. Due to the poor match with the Aroclor standards, there is increased qualitative and quantitative uncertainty associated with this result.

The laboratory case narrative notes that internal standard response for sample DR-SB-257-144-145 exceeded the control limit on Column CLP-1 0.53mm ID; as such, the sample results associated with this internal standard were reported from the other column, which met acceptance criteria.

The VOC laboratory control sample (LCS) 240-248858/4 associated with preparation batch 248858 had percent recoveries (%Rs) for 1,1,1-trichloroethane and chloroethane that were greater than laboratory quality control limits. Sample TB-092016 was associated with this LCS. No qualification was necessary because all results were non-detected in the affected sample.

The continuing calibration for herbicides performed on 09/30/16 at 22:06 on instrument A2HP1 had %Ds for 2,4-D and 2,4,5-TP on the second column that exceeded the 20% quality control limit. Sample DR-TP-A64-PRE-EX was associated with this calibration. No action was necessary because results for these analytes were reported from the first column, which was compliant.

The PCB matrix spike (MS)/matrix spike duplicate (MSD) performed on sample DR-SB-255-72-75 had a relative percent difference (RPD) for Aroclor-1016 that was greater than laboratory quality control limit. No action was necessary because the MS and MSD %Rs and the LCS %R for Aroclor-1016 were compliant.

Many samples in which no Aroclors were reported display peaks in the sample chromatogram which may represent halogenated compounds. There is insufficient evidence to determine whether various peaks represent a pesticide, a PCB, or an unrelated compound. PCBs by method 8082 are identified by pattern recognition and weathered Aroclor patterns may not be identified because the match between the sample pattern and a standard Aroclor pattern is poor and cannot be discerned. This comment is added for completeness because the data reviewer has noticed peaks in samples which the laboratory correctly reported as having nondetected Aroclor results. Thirty-one out of sixty-one samples have detections for Aroclor-1254 and two out of sixty-one samples contain detections for Aroclor-1262.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Several non-detected VOC results were qualified as estimated due to calibration noncompliance. Some VOC and TCLP metals results were qualified due to laboratory method blank contamination. Detected PCB results in several samples were qualified as estimated high due to surrogate recovery noncompliance. Some PCB detections were qualified due to an RPD between columns greater than 40%.

Other Factors Affecting Data Quality: VOC TICs detected in sample DR-TP-A64-PRE-EX were qualified as estimated and assumed to be presumptively present. Detected results between the MDL and RL were qualified as estimated.

The data for these analyses were reviewed with reference to the USEPA “National Functional Guidelines for Superfund Organic Methods Data Review” (September 2016) and “National Functional Guidelines for Inorganic Superfund Data Review” (September 2016). The text of this report has been formulated to address only those problem areas affecting data quality.

Leigh A. Ciofani

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Attachments:
Appendix A – Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Data Qualifier Definitions

The following definitions provide brief explanations of the validation qualifiers assigned to results in the data review process.

U	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted method detection limit for sample and method.
J	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the reporting limit).
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
UJ	The analyte was analyzed for, but was not detected. The reported detection limit is approximate and may be inaccurate or imprecise.
R	The sample result (detected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
UR	The sample result (nondetected) is unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.

Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (i.e., % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = ICP PDS Recovery Noncompliance; MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (i.e., base-time drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; i.e.chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = RPD between columns/detectors >40% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 standard deviations is greater than sample activity
Z1 = Tentatively Identified Compound considered presumptively present
Z2 = Tentatively Identified Compound column bleed
Z3 = Tentatively Identified Compound aldol condensate
Z4 = Sample activity is less than the at uncertainty at 3 standard deviations and greater than the MDC
Z5 = Sample activity is less than the at uncertainty at 3 standard deviations and less than the MDC

PROJ_NO: 07809	NSAMPLE	DR-TP-A64-PRE-EX		
SDG: 240-69767-1	LAB_ID	240-69767-61		
FRACTION: OV	SAMP_DATE	9/20/2016		
MEDIA: SOIL	QC_TYPE	NM		
	UNITS	UG/KG		
	PCT_SOLIDS	79.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.63	U	
1,1,1-TRICHLOROETHANE		0.82	U	
1,1,2,2-TETRACHLOROETHANE		0.39	U	
1,1,2-TRICHLOROTRIFLUOROETHANE		0.53	U	
1,1-DICHLOROETHANE		0.43	U	
1,1-DICHLOROETHENE		1	U	
1,1-DICHLOROPROPENE		0.46	U	
1,2,3-TRICHLOROBENZENE		0.63	U	
1,2,3-TRICHLOROPROPANE		0.98	U	
1,2,3-TRIMETHYLBENZENE		3.4	U	A
1,2,4-TRICHLOROBENZENE		0.48	U	
1,2,4-TRIMETHYLBENZENE		10		
1,2-DIBROMO-3-CHLOROPROPANE		3.4	UJ	C
1,2-DIBROMOETHANE		0.67	U	
1,2-DICHLOROBENZENE		0.43	U	
1,2-DICHLOROETHANE		0.58	U	
1,2-DICHLOROPROPANE		0.88	J	P
1,3-DICHLOROBENZENE		0.87	U	
1,3-DICHLOROPROPANE		0.5	U	
1,4-DICHLOROBENZENE		0.35	U	
2,2-DICHLOROPROPANE		0.55	U	
2-BUTANONE		6.1	J	P
2-CHLOROETHYL VINYL ETHER		0.8	UJ	C
2-CHLOROTOLUENE		0.38	U	
2-HEXANONE		4.6	J	P
4-CHLOROTOLUENE		0.33	U	
4-ISOPROPYLTOLUENE		1.2	J	P
4-METHYL-2-PENTANONE		1.5	U	
ACETONE		29		
BENZENE		4.7	J	P
BROMOBENZENE		0.41	U	
BROMOCHLOROMETHANE		0.41	U	
BROMODICHLOROMETHANE		0.46	J	P
BROMOFORM		0.3	U	
BROMOMETHANE		0.53	U	

PROJ_NO: 07809	NSAMPLE	DR-TP-A64-PRE-EX		
SDG: 240-69767-1	LAB_ID	240-69767-61		
FRACTION: OV	SAMP_DATE	9/20/2016		
MEDIA: SOIL	QC_TYPE	NM		
	UNITS	UG/KG		
	PCT_SOLIDS	79.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
CARBON DISULFIDE		0.9	J	P
CARBON TETRACHLORIDE		0.82	U	
CHLOROBENZENE		0.67	U	
CHLORODIBROMOMETHANE		0.46	U	
CHLOROETHANE		0.55	U	
CHLOROFORM		0.45	U	
CHLOROMETHANE		0.99	U	
CIS-1,2-DICHLOROETHENE		1.7	J	P
CIS-1,3-DICHLOROPROPENE		0.89	U	
DIBROMOMETHANE		0.53	U	
DICHLORODIFLUOROMETHANE		0.35	U	
DIISOPROPYL ETHER		0.74	U	
ETHYL TERT-BUTYL ETHER		0.51	U	
ETHYLBENZENE		13		
HEXACHLOROBUTADIENE		0.5	U	
ISOPROPYLBENZENE		2.8	J	P
M+P-XYLENES		56		
METHYL TERT-BUTYL ETHER		0.54	U	
METHYLENE CHLORIDE		3.2	J	P
NAPHTHALENE		3.3	U	A
N-BUTYLBENZENE		0.74	U	
N-PROPYLBENZENE		1.2	J	P
O-XYLENE		15		
SEC-BUTYLBENZENE		1.1	U	
STYRENE		0.5	J	P
TERT-AMYL METHYL ETHER		0.54	U	
TERT-BUTYLBENZENE		0.84	U	
TERTIARY-BUTYL ALCOHOL		7.2	UJ	C
TETRACHLOROETHENE		1	U	
TOLUENE		1.4	J	P
TOTAL XYLENES		71		
TRANS-1,2-DICHLOROETHENE		0.4	U	
TRANS-1,3-DICHLOROPROPENE		0.36	U	
TRICHLOROETHENE		1.3	J	P
TRICHLOROFLUOROMETHANE		0.36	U	

PROJ_NO: 07809	NSAMPLE	DR-TP-A64-PRE-EX		
SDG: 240-69767-1	LAB_ID	240-69767-61		
FRACTION: OV	SAMP_DATE	9/20/2016		
MEDIA: SOIL	QC_TYPE	NM		
	UNITS	UG/KG		
	PCT_SOLIDS	79.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
VINYL ACETATE		0.83	U	
VINYL CHLORIDE		10		

PROJ_NO: 07809	NSAMPLE	DR-TP-A64-PRE-EX		
SDG: 240-69767-1	LAB_ID	240-69767-61		
FRACTION: TICOV	SAMP_DATE	9/20/2016		
MEDIA: SOIL	QC_TYPE	NM		
	UNITS	UG/KG		
	PCT_SOLIDS	79.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
1-HEXENE, 4-METHYL-		19	NJ	Z1
BENZENE, 1,3,5-TRIMETHYL-		9.8	NJ	Z1
CYCLOHEXANE		13	NJ	Z1
CYCLOHEXANE, 1,1,3-TRIMETHYL-		11	NJ	Z1
CYCLOHEXANE, 1,3-DIMETHYL-, CIS-		16	NJ	Z1
CYCLOHEXANE, 1,4-DIMETHYL-		12	NJ	Z1
CYCLOHEXANE, ETHYL-		18	NJ	Z1
CYCLOPENTANE, 1,2,3-TRIMETHYL-, (1.ALPHA.,2.A		13	NJ	Z1
ISOPROPYLCYCLOBUTANE		8.9	NJ	Z1

PROJ_NO: 07809	NSAMPLE	TB-092016		
SDG: 240-69767-1	LAB_ID	240-69767-62		
FRACTION: OV	SAMP_DATE	9/20/2016		
MEDIA: WATER	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
1,1,1,2-TETRACHLOROETHANE		0.28	U	
1,1,1-TRICHLOROETHANE		0.44	UJ	C
1,1,2,2-TETRACHLOROETHANE		0.22	UJ	C
1,1,2-TRICHLOROTRIFLUOROETHANE		0.45	U	
1,1-DICHLOROETHANE		0.3	U	
1,1-DICHLOROETHENE		0.45	U	
1,1-DICHLOROPROPENE		0.42	U	
1,2,3-TRICHLOROBENZENE		0.37	U	
1,2,3-TRICHLOROPROPANE		0.44	U	
1,2,3-TRIMETHYLBENZENE		0.47	U	
1,2,4-TRICHLOROBENZENE		0.32	U	
1,2,4-TRIMETHYLBENZENE		0.41	U	
1,2-DIBROMO-3-CHLOROPROPANE		0.82	U	
1,2-DIBROMOETHANE		0.32	U	
1,2-DICHLOROBENZENE		0.25	U	
1,2-DICHLOROETHANE		0.23	U	
1,2-DICHLOROPROPANE		0.25	U	
1,3-DICHLOROBENZENE		0.19	U	
1,3-DICHLOROPROPANE		0.19	U	
1,4-DICHLOROBENZENE		0.27	U	
2,2-DICHLOROPROPANE		0.26	UJ	C
2-BUTANONE		0.53	U	
2-CHLOROETHYL VINYL ETHER		0.59	UR	M
2-CHLOROTOLUENE		0.4	U	
2-HEXANONE		0.48	U	
4-CHLOROTOLUENE		0.29	U	
4-ISOPROPYLTOLUENE		0.43	U	
4-METHYL-2-PENTANONE		0.99	U	
ACETONE		0.94	U	
BENZENE		0.35	U	
BROMOBENZENE		0.35	U	
BROMOCHLOROMETHANE		0.5	U	
BROMODICHLOROMETHANE		0.29	UJ	C
BROMOFORM		0.56	U	
BROMOMETHANE		0.44	UJ	C

PROJ_NO: 07809	NSAMPLE	TB-092016		
SDG: 240-69767-1	LAB_ID	240-69767-62		
FRACTION: OV	SAMP_DATE	9/20/2016		
MEDIA: WATER	QC_TYPE	NM		
	UNITS	UG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
CARBON DISULFIDE		0.38	U	
CARBON TETRACHLORIDE		0.43	UJ	C
CHLOROBENZENE		0.25	U	
CHLORODIBROMOMETHANE		0.43	UJ	C
CHLOROETHANE		0.32	UJ	C
CHLOROFORM		0.25	U	
CHLOROMETHANE		0.44	U	
CIS-1,2-DICHLOROETHENE		0.26	U	
CIS-1,3-DICHLOROPROPENE		0.46	U	
DIBROMOMETHANE		0.42	U	
DICHLORODIFLUOROMETHANE		0.32	U	
DIISOPROPYL ETHER		0.5	U	
ETHYL TERT-BUTYL ETHER		0.23	U	
ETHYLBENZENE		0.25	U	
HEXACHLOROBUTADIENE		0.35	U	
ISOPROPYLBENZENE		0.35	U	
METHYL TERT-BUTYL ETHER		0.2	U	
METHYLENE CHLORIDE		0.33	U	
NAPHTHALENE		0.45	UJ	C
N-BUTYLBENZENE		0.31	U	
N-PROPYLBENZENE		0.4	U	
SEC-BUTYLBENZENE		0.48	U	
STYRENE		0.45	U	
TERT-AMYL METHYL ETHER		0.3	U	
TERT-BUTYLBENZENE		0.41	U	
TERTIARY-BUTYL ALCOHOL		4.9	UJ	C
TETRACHLOROETHENE		0.31	U	
TOLUENE		0.23	U	
TOTAL XYLENES		0.52	U	
TRANS-1,2-DICHLOROETHENE		0.3	U	
TRANS-1,3-DICHLOROPROPENE		0.56	U	
TRICHLOROETHENE		0.22	U	
TRICHLOROFLUOROMETHANE		0.49	UJ	C
VINYL ACETATE		0.41	U	
VINYL CHLORIDE		0.29	U	

PROJ_NO: 07809	NSAMPLE	DR-SB-250-0-3			DR-SB-250-120-123			DR-SB-250-144-145			DR-SB-250-24-27		
SDG: 240-69767-1	LAB_ID	240-69767-1			240-69767-6			240-69767-7			240-69767-2		
FRACTION: PCB	SAMP_DATE	9/19/2016			9/19/2016			9/19/2016			9/19/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	79.0			81.3			70.0			88.1		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		30	U		31	U		34	U		27	U	
AROCLOR-1221		28	U		30	U		33	U		25	U	
AROCLOR-1232		20	U		21	U		23	U		18	U	
AROCLOR-1242		25	U		26	U		28	U		22	U	
AROCLOR-1248		21	U		22	U		24	U		19	U	
AROCLOR-1254		17	U		320	J	U	62	J	P	15	U	
AROCLOR-1260		22	U		23	U		25	U		20	U	
AROCLOR-1262		9.9	U		10	U		11	U		8.8	U	
AROCLOR-1268		25	U		26	U		28	U		22	U	

PROJ_NO: 07809	NSAMPLE	DR-SB-250-48-51			DR-SB-250-72-75			DR-SB-250-96-99			DR-SB-251-0-3		
SDG: 240-69767-1	LAB_ID	240-69767-3			240-69767-4			240-69767-5			240-69767-8		
FRACTION: PCB	SAMP_DATE	9/19/2016			9/19/2016			9/19/2016			9/19/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	85.9			90.9			83.7			78.6		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		29	U		27	U		29	U		30	U	
AROCLOR-1221		28	U		26	U		28	U		29	U	
AROCLOR-1232		19	U		18	U		20	U		20	U	
AROCLOR-1242		24	U		23	U		25	U		25	U	
AROCLOR-1248		20	U		19	U		21	U		21	U	
AROCLOR-1254		17	U		16	U		17	U		18	U	
AROCLOR-1260		22	U		20	U		22	U		23	U	
AROCLOR-1262		9.6	U		9.1	U		9.8	U		10	U	
AROCLOR-1268		24	U		23	U		25	U		25	U	

PROJ_NO: 07809	NSAMPLE	DR-SB-251-120-123			DR-SB-251-144-145			DR-SB-251-24-27			DR-SB-251-48-51		
SDG: 240-69767-1	LAB_ID	240-69767-13			240-69767-14			240-69767-9			240-69767-10		
FRACTION: PCB	SAMP_DATE	9/19/2016			9/19/2016			9/19/2016			9/19/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	74.2			85.3			86.0			85.1		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		32	U		28	U		28	U		28	U	
AROCLOR-1221		31	U		27	U		27	U		27	U	
AROCLOR-1232		21	U		19	U		18	U		19	U	
AROCLOR-1242		27	U		23	U		23	U		23	U	
AROCLOR-1248		23	U		20	U		20	U		20	U	
AROCLOR-1254		61	J	P	16	U		17	J	P	16	U	
AROCLOR-1260		24	U		21	U		21	U		21	U	
AROCLOR-1262		11	U		9.3	U		9.2	U		9.3	U	
AROCLOR-1268		27	U		23	U		23	U		23	U	

PROJ_NO: 07809	NSAMPLE	DR-SB-251-72-75			DR-SB-251-96-99			DR-SB-252-0-3			DR-SB-252-120-123		
SDG: 240-69767-1	LAB_ID	240-69767-11			240-69767-12			240-69767-15			240-69767-20		
FRACTION: PCB	SAMP_DATE	9/19/2016			9/19/2016			9/20/2016			9/20/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	85.5			92.8			88.8			79.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		28	U		25	U		27	U		30	U	
AROCLOR-1221		27	U		24	U		26	U		29	U	
AROCLOR-1232		18	U		17	U		18	U		20	U	
AROCLOR-1242		23	U		21	U		22	U		25	U	
AROCLOR-1248		20	U		18	U		19	U		21	U	
AROCLOR-1254		16	U		15	U		16	U		130		
AROCLOR-1260		21	U		19	U		20	U		22	U	
AROCLOR-1262		9.2	U		8.5	U		8.9	U		10	U	
AROCLOR-1268		23	U		21	U		22	U		25	U	

PROJ_NO: 07809	NSAMPLE	DR-SB-252-144-145			DR-SB-252-24-27			DR-SB-252-48-51			DR-SB-252-72-75		
SDG: 240-69767-1	LAB_ID	240-69767-21			240-69767-16			240-69767-17			240-69767-18		
FRACTION: PCB	SAMP_DATE	9/20/2016			9/20/2016			9/20/2016			9/20/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	87.2			89.8			85.7			86.6		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		27	U		27	U		28	U		27	U	
AROCLOR-1221		26	U		25	U		27	U		26	U	
AROCLOR-1232		18	U		18	U		18	U		18	U	
AROCLOR-1242		23	U		22	U		23	U		23	U	
AROCLOR-1248		19	U		19	U		20	U		19	U	
AROCLOR-1254		16	U		130	J+	R	40	J	PU	940		
AROCLOR-1260		20	U		20	U		21	U		20	U	
AROCLOR-1262		9.1	U		8.8	U		9.2	U		9.1	U	
AROCLOR-1268		23	U		22	U		23	U		23	U	

PROJ_NO: 07809	NSAMPLE	DR-SB-252-96-99			DR-SB-253-0-3			DR-SB-253-120-123			DR-SB-253-144-145		
SDG: 240-69767-1	LAB_ID	240-69767-19			240-69767-22			240-69767-27			240-69767-28		
FRACTION: PCB	SAMP_DATE	9/20/2016			9/19/2016			9/19/2016			9/19/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	92.8			86.3			81.5			68.8		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		25	U		27	U		29	U		34	U	
AROCLOR-1221		24	U		26	U		28	U		33	U	
AROCLOR-1232		17	U		18	U		20	U		23	U	
AROCLOR-1242		21	U		23	U		24	U		28	U	
AROCLOR-1248		18	U		19	U		21	U		24	U	
AROCLOR-1254		15	U		16	U		21	J	P	20	U	
AROCLOR-1260		19	U		20	U		22	U		26	U	
AROCLOR-1262		8.5	U		9.1	U		9.8	U		11	U	
AROCLOR-1268		21	U		23	U		24	U		28	U	

PROJ_NO: 07809	NSAMPLE	DR-SB-253-24-27			DR-SB-253-48-51			DR-SB-253-72-75			DR-SB-253-96-99		
SDG: 240-69767-1	LAB_ID	240-69767-23			240-69767-24			240-69767-25			240-69767-26		
FRACTION: PCB	SAMP_DATE	9/19/2016			9/19/2016			9/19/2016			9/19/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	89.4			87.7			89.9			84.5		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		26	U		27	U		26	U		28	U	
AROCLOR-1221		25	U		26	U		25	U		27	U	
AROCLOR-1232		18	U		18	U		18	U		19	U	
AROCLOR-1242		22	U		23	U		22	U		23	U	
AROCLOR-1248		19	U		19	U		19	U		20	U	
AROCLOR-1254		18	J	PR	16	U		23	J	P	16	U	
AROCLOR-1260		20	U		20	U		20	U		21	U	
AROCLOR-1262		8.8	U		9	U		8.8	U		9.3	U	
AROCLOR-1268		22	U		23	U		22	U		23	U	

PROJ_NO: 07809	NSAMPLE	DR-SB-254-0-3			DR-SB-254-24-27			DR-SB-254-48-51			DR-SB-254-72-75		
SDG: 240-69767-1	LAB_ID	240-69767-29			240-69767-30			240-69767-31			240-69767-32		
FRACTION: PCB	SAMP_DATE	9/19/2016			9/19/2016			9/19/2016			9/19/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	87.9			81.6			86.6			85.5		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		27	U		30	U		28	U		28	U	
AROCLOR-1221		26	U		29	U		27	U		27	U	
AROCLOR-1232		18	U		20	U		19	U		19	U	
AROCLOR-1242		22	U		25	U		23	U		24	U	
AROCLOR-1248		19	U		21	U		20	U		20	U	
AROCLOR-1254		16	U		17	J	P	100			28	J	P
AROCLOR-1260		20	U		22	U		21	U		21	U	
AROCLOR-1262		28	J	P	9.9	U		9.3	U		9.5	U	
AROCLOR-1268		22	U		25	U		23	U		24	U	

PROJ_NO: 07809	NSAMPLE	DR-SB-255-0-3			DR-SB-255-120-123			DR-SB-255-144-145			DR-SB-255-24-27		
SDG: 240-69767-1	LAB_ID	240-69767-33			240-69767-38			240-69767-39			240-69767-34		
FRACTION: PCB	SAMP_DATE	9/20/2016			9/20/2016			9/20/2016			9/20/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	77.2			74.4			80.3			83.1		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		31	U		310	U		29	U		30	U	
AROCLOR-1221		29	U		300	U		27	U		29	U	
AROCLOR-1232		20	U		210	U		19	U		20	U	
AROCLOR-1242		25	U		260	U		24	U		25	U	
AROCLOR-1248		22	U		220	U		20	U		21	U	
AROCLOR-1254		18	U		5700	J+	R	270	J+	R	160		
AROCLOR-1260		23	U		240	U		22	U		22	U	
AROCLOR-1262		21	J	P	100	U		9.6	U		10	U	
AROCLOR-1268		25	U		260	U		24	U		25	U	

PROJ_NO: 07809	NSAMPLE	DR-SB-255-48-51			DR-SB-255-72-75			DR-SB-255-96-99			DR-SB-256-0-3		
SDG: 240-69767-1	LAB_ID	240-69767-35			240-69767-36			240-69767-37			240-69767-40		
FRACTION: PCB	SAMP_DATE	9/20/2016			9/20/2016			9/20/2016			9/19/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	84.6			91.5			81.2			85.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		27	U		26	U		150	U		28	U	
AROCLOR-1221		26	U		25	U		150	U		27	U	
AROCLOR-1232		18	U		17	U		100	U		19	U	
AROCLOR-1242		23	U		22	U		130	U		23	U	
AROCLOR-1248		19	U		18	U		110	U		20	U	
AROCLOR-1254		63			200	J+	R	1100	J	U	16	U	
AROCLOR-1260		20	U		19	U		110	U		21	U	
AROCLOR-1262		9.1	U		8.6	U		51	U		9.3	U	
AROCLOR-1268		23	U		22	U		130	U		23	U	

PROJ_NO: 07809	NSAMPLE	DR-SB-256-120-123			DR-SB-256-144-145			DR-SB-256-24-27			DR-SB-256-48-51		
SDG: 240-69767-1	LAB_ID	240-69767-45			240-69767-46			240-69767-41			240-69767-42		
FRACTION: PCB	SAMP_DATE	9/19/2016			9/19/2016			9/19/2016			9/19/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	85.1			81.5			85.7			86.5		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		27	U		29	U		29	U		27	U	
AROCLOR-1221		26	U		28	U		28	U		26	U	
AROCLOR-1232		18	U		19	U		19	U		18	U	
AROCLOR-1242		23	U		24	U		24	U		22	U	
AROCLOR-1248		19	U		21	U		21	U		19	U	
AROCLOR-1254		16	U		32	J	P	17	U		17	J	P
AROCLOR-1260		20	U		22	U		22	U		20	U	
AROCLOR-1262		9.1	U		9.7	U		9.7	U		9	U	
AROCLOR-1268		23	U		24	U		24	U		22	U	

PROJ_NO: 07809	NSAMPLE	DR-SB-256-72-75			DR-SB-256-96-99			DR-SB-257-0-3			DR-SB-257-120-123		
SDG: 240-69767-1	LAB_ID	240-69767-43			240-69767-44			240-69767-47			240-69767-52		
FRACTION: PCB	SAMP_DATE	9/19/2016			9/19/2016			9/20/2016			9/20/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	88.0			91.2			79.3			82.8		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		27	U		27	U		31	U		28	U	
AROCLOR-1221		26	U		26	U		30	U		27	U	
AROCLOR-1232		18	U		18	U		21	U		19	U	
AROCLOR-1242		23	U		23	U		26	U		23	U	
AROCLOR-1248		19	U		19	U		22	U		20	U	
AROCLOR-1254		16	U		16	U		18	U		88		
AROCLOR-1260		20	U		20	U		23	U		21	U	
AROCLOR-1262		9	U		9.1	U		10	U		9.3	U	
AROCLOR-1268		23	U		23	U		26	U		23	U	

PROJ_NO: 07809	NSAMPLE	DR-SB-257-144-145			DR-SB-257-24-27			DR-SB-257-48-51			DR-SB-257-72-75		
SDG: 240-69767-1	LAB_ID	240-69767-53			240-69767-48			240-69767-49			240-69767-50		
FRACTION: PCB	SAMP_DATE	9/20/2016			9/20/2016			9/20/2016			9/20/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	73.8			86.9			81.6			62.0		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		31	U		27	U		30	U		40	U	
AROCLOR-1221		30	U		25	U		29	U		39	U	
AROCLOR-1232		21	U		18	U		20	U		27	U	
AROCLOR-1242		26	U		22	U		25	U		34	U	
AROCLOR-1248		22	U		19	U		22	U		29	U	
AROCLOR-1254		120	J	RU	16	U		18	U		50	J	P
AROCLOR-1260		23	U		20	U		23	U		30	U	
AROCLOR-1262		10	U		8.9	U		10	U		13	U	
AROCLOR-1268		26	U		22	U		25	U		34	U	

PROJ_NO: 07809	NSAMPLE	DR-SB-257-96-99			DR-SB-258-0-3			DR-SB-258-120-123			DR-SB-258-144-145		
SDG: 240-69767-1	LAB_ID	240-69767-51			240-69767-54			240-69767-59			240-69767-60		
FRACTION: PCB	SAMP_DATE	9/20/2016			9/20/2016			9/20/2016			9/20/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	55.4			88.0			81.2			83.6		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		45	U		27	U		29	U		29	U	
AROCLOR-1221		43	U		26	U		28	U		28	U	
AROCLOR-1232		30	U		18	U		19	U		19	U	
AROCLOR-1242		37	U		23	U		24	U		24	U	
AROCLOR-1248		32	U		19	U		21	U		20	U	
AROCLOR-1254		42	J	P	16	U		58	J	P	17	U	
AROCLOR-1260		34	U		21	U		22	U		22	U	
AROCLOR-1262		15	U		9.2	U		9.7	U		9.6	U	
AROCLOR-1268		37	U		23	U		24	U		24	U	

PROJ_NO: 07809	NSAMPLE	DR-SB-258-24-27			DR-SB-258-48-51			DR-SB-258-72-75			DR-SB-258-96-99		
SDG: 240-69767-1	LAB_ID	240-69767-55			240-69767-56			240-69767-57			240-69767-58		
FRACTION: PCB	SAMP_DATE	9/20/2016			9/20/2016			9/20/2016			9/20/2016		
MEDIA: SOIL	QC_TYPE	NM			NM			NM			NM		
	UNITS	UG/KG			UG/KG			UG/KG			UG/KG		
	PCT_SOLIDS	86.9			83.9			82.0			78.2		
	DUP_OF												
PARAMETER		RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD	RESULT	VQL	QLCD
AROCLOR-1016		28	U		29	U		29	U		31	U	
AROCLOR-1221		27	U		28	U		28	U		30	U	
AROCLOR-1232		19	U		19	U		20	U		21	U	
AROCLOR-1242		23	U		24	U		25	U		26	U	
AROCLOR-1248		20	U		20	U		21	U		22	U	
AROCLOR-1254		19	J	P	26	J	P	23	J	P	96		
AROCLOR-1260		21	U		22	U		22	U		24	U	
AROCLOR-1262		9.3	U		9.6	U		9.8	U		10	U	
AROCLOR-1268		23	U		24	U		25	U		26	U	

PROJ_NO: 07809	NSAMPLE	DR-TP-A64-PRE-EX		
SDG: 240-69767-1	LAB_ID	240-69767-61		
FRACTION: PCB	SAMP_DATE	9/20/2016		
MEDIA: SOIL	QC_TYPE	NM		
	UNITS	UG/KG		
	PCT_SOLIDS	79.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
AROCLOR-1016		31	U	
AROCLOR-1221		30	U	
AROCLOR-1232		21	U	
AROCLOR-1242		26	U	
AROCLOR-1248		22	U	
AROCLOR-1254		18	U	
AROCLOR-1260		23	U	
AROCLOR-1262		10	U	
AROCLOR-1268		26	U	

PROJ_NO: 07809	NSAMPLE	DR-TP-A64-PRE-EX		
SDG: 240-69767-1	LAB_ID	240-69767-61		
FRACTION: TCLPV	SAMP_DATE	9/20/2016		
MEDIA: SOIL	QC_TYPE	NM		
	UNITS	MG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
1,1-DICHLOROETHENE		0.0095	U	
1,2-DICHLOROETHANE		0.011	U	
2-BUTANONE		0.029	U	
BENZENE		0.0065	U	
CARBON TETRACHLORIDE		0.0065	U	
CHLOROBENZENE		0.0075	U	
CHLOROFORM		0.008	U	
TETRACHLOROETHENE		0.015	U	
TRICHLOROETHENE		0.0085	U	
VINYL CHLORIDE		0.011	U	

PROJ_NO: 07809	NSAMPLE	DR-TP-A64-PRE-EX		
SDG: 240-69767-1	LAB_ID	240-69767-61		
FRACTION: TCLPS	SAMP_DATE	9/20/2016		
MEDIA: SOIL	QC_TYPE	NM		
	UNITS	MG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
1,4-DICHLOROBENZENE		0.00034	U	
2,4,5-TRICHLOROPHENOL		0.0003	U	
2,4,6-TRICHLOROPHENOL		0.00024	U	
2,4-DINITROTOLUENE		0.00025	U	
2-METHYLPHENOL		0.00017	U	
3&4-METHYLPHENOL		0.0008	U	
HEXACHLOROBENZENE		8.5E-05	U	
HEXACHLOROBUTADIENE		0.00027	U	
HEXACHLOROETHANE		0.00019	U	
NITROBENZENE		4E-05	U	
PENTACHLOROPHENOL		0.00027	U	
PYRIDINE		0.00035	U	

PROJ_NO: 07809	NSAMPLE	DR-TP-A64-PRE-EX		
SDG: 240-69767-1	LAB_ID	240-69767-61		
FRACTION: TCLPP	SAMP_DATE	9/20/2016		
MEDIA: SOIL	QC_TYPE	NM		
	UNITS	MG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
CHLORDANE (TECHNICAL)		0.00014	U	
ENDRIN		1.3E-05	U	
GAMMA-BHC (LINDANE)		1.3E-05	U	
HEPTACHLOR		1.4E-05	U	
HEPTACHLOR EPOXIDE		1.5E-05	U	
METHOXYCHLOR		1.3E-05	U	
TOXAPHENE		0.0002	U	

PROJ_NO: 07809	NSAMPLE	DR-TP-A64-PRE-EX		
SDG: 240-69767-1	LAB_ID	240-69767-61		
FRACTION: TCLPH	SAMP_DATE	9/20/2016		
MEDIA: SOIL	QC_TYPE	NM		
	UNITS	MG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
2,4,5-TP (SILVEX)		0.00027	U	
2,4-D		0.0019	U	

PROJ_NO: 07809	NSAMPLE	DR-TP-A64-PRE-EX		
SDG: 240-69767-1	LAB_ID	240-69767-61		
FRACTION: TCLPM	SAMP_DATE	9/20/2016		
MEDIA: SOIL	QC_TYPE	NM		
	UNITS	MG/L		
	PCT_SOLIDS	0.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
ARSENIC		0.011	J	P
BARIUM		0.66		
CADMIUM		0.045	J	P
CHROMIUM		0.018	U	A
LEAD		0.21		
MERCURY		9E-05	U	
SELENIUM		0.0051	U	
SILVER		0.00092	U	

PROJ_NO: 07809	NSAMPLE	DR-TP-A64-PRE-EX		
SDG: 240-69767-1	LAB_ID	240-69767-61		
FRACTION: MISC	SAMP_DATE	9/20/2016		
MEDIA: SOIL	QC_TYPE	NM		
	UNITS	F		
	PCT_SOLIDS	100.0		
	DUP_OF			
PARAMETER		RESULT	VQL	QLCD
FLASHPOINT		200	>	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-TP-A64-PRE-EX | Lab Sample ID: 240-69767-61

Matrix: Solid | Lab File ID: UX86201.D

Analysis Method: 8260B | Date Collected: 09/20/2016 11:45

Sample wt/vol: 5.04(g) | Date Analyzed: 09/22/2016 10:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 21.0 | Level: (low/med) Low

Analysis Batch No.: 247907 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.63	U	6.3	0.63
71-55-6	1,1,1-Trichloroethane	0.82	U	6.3	0.82
79-34-5	1,1,2,2-Tetrachloroethane	0.39	U	6.3	0.39
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.53	U	6.3	0.53
75-34-3	1,1-Dichloroethane	0.43	U	6.3	0.43
75-35-4	1,1-Dichloroethene	1.0	U	6.3	1.0
563-58-6	1,1-Dichloropropene	0.46	U	6.3	0.46
87-61-6	1,2,3-Trichlorobenzene	0.63	U	6.3	0.63
96-18-4	1,2,3-Trichloropropane	0.98	U	6.3	0.98
526-73-8	1,2,3-Trimethylbenzene	3.4	J	6.3	0.58
120-82-1	1,2,4-Trichlorobenzene	0.48	U	6.3	0.48
95-63-6	1,2,4-Trimethylbenzene	10		6.3	0.73
96-12-8	1,2-Dibromo-3-Chloropropane	3.4	U	13	3.4
95-50-1	1,2-Dichlorobenzene	0.43	U	6.3	0.43
107-06-2	1,2-Dichloroethane	0.58	U	6.3	0.58
78-87-5	1,2-Dichloropropane	0.88	J	6.3	0.18
541-73-1	1,3-Dichlorobenzene	0.87	U	6.3	0.87
142-28-9	1,3-Dichloropropane	0.50	U	6.3	0.50
106-46-7	1,4-Dichlorobenzene	0.35	U	6.3	0.35
594-20-7	2,2-Dichloropropane	0.55	U	6.3	0.55
110-75-8	2-Chloroethyl vinyl ether	0.80	U	63	0.80
95-49-8	2-Chlorotoluene	0.38	U	6.3	0.38
591-78-6	2-Hexanone	4.6	J	25	0.85
108-86-1	Bromobenzene	0.41	U	6.3	0.41
74-97-5	Bromochloromethane	0.41	U	6.3	0.41
106-43-4	4-Chlorotoluene	0.33	U	6.3	0.33
99-87-6	p-Isopropyltoluene	1.2	J	6.3	0.51
67-64-1	Acetone	29		25	7.2
71-43-2	Benzene	4.7	J	6.3	1.1
75-25-2	Bromoform	0.30	U	6.3	0.30
74-83-9	Bromomethane	0.53	U	6.3	0.53
75-15-0	Carbon disulfide	0.90	J	6.3	0.74
56-23-5	Carbon tetrachloride	0.82	U	6.3	0.82
108-90-7	Chlorobenzene	0.67	U	6.3	0.67
75-00-3	Chloroethane	0.55	U	6.3	0.55

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-TP-A64-PRE-EX | Lab Sample ID: 240-69767-61

Matrix: Solid | Lab File ID: UX86201.D

Analysis Method: 8260B | Date Collected: 09/20/2016 11:45

Sample wt/vol: 5.04(g) | Date Analyzed: 09/22/2016 10:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 21.0 | Level: (low/med) Low

Analysis Batch No.: 247907 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-66-3	Chloroform	0.45	U	6.3	0.45
74-87-3	Chloromethane	0.99	U	6.3	0.99
156-59-2	cis-1,2-Dichloroethene	1.7	J	6.3	0.35
10061-01-5	cis-1,3-Dichloropropene	0.89	U	6.3	0.89
87-68-3	Hexachlorobutadiene	0.50	U	6.3	0.50
74-95-3	Dibromomethane	0.53	U	6.3	0.53
75-27-4	Bromodichloromethane	0.46	J	6.3	0.36
75-71-8	Dichlorodifluoromethane	0.35	U	6.3	0.35
100-41-4	Ethylbenzene	13		6.3	0.40
106-93-4	1,2-Dibromoethane	0.67	U	6.3	0.67
108-20-3	Diisopropyl ether	0.74	U	13	0.74
91-20-3	Naphthalene	3.3	J B	6.3	0.44
179601-23-1	m-Xylene & p-Xylene	56		13	0.53
104-51-8	n-Butylbenzene	0.74	U	6.3	0.74
98-82-8	Isopropylbenzene	2.8	J	6.3	0.25
103-65-1	N-Propylbenzene	1.2	J	6.3	0.75
78-93-3	2-Butanone (MEK)	6.1	J	25	1.4
108-10-1	4-Methyl-2-pentanone (MIBK)	1.5	U	25	1.5
135-98-8	sec-Butylbenzene	1.1	U	6.3	1.1
1634-04-4	Methyl tert-butyl ether	0.54	U	6.3	0.54
994-05-8	Tert-amyl methyl ether	0.54	U	6.3	0.54
75-09-2	Methylene Chloride	3.2	J	6.3	0.93
95-47-6	o-Xylene	15		6.3	0.72
100-42-5	Styrene	0.50	J	6.3	0.50
637-92-3	Ethyl tert-butyl ether	0.51	U	6.3	0.51
98-06-6	tert-Butylbenzene	0.84	U	6.3	0.84
127-18-4	Tetrachloroethene	1.0	U	6.3	1.0
108-88-3	Toluene	1.4	J	6.3	0.34
156-60-5	trans-1,2-Dichloroethene	0.40	U	6.3	0.40
10061-02-6	trans-1,3-Dichloropropene	0.36	U	6.3	0.36
79-01-6	Trichloroethene	1.3	J	6.3	0.48
75-69-4	Trichlorofluoromethane	0.36	U	6.3	0.36
108-05-4	Vinyl acetate	0.83	U	13	0.83
75-01-4	Vinyl chloride	10		6.3	0.38
75-65-0	tert-Butyl alcohol	7.2	U	250	7.2
1330-20-7	Xylenes, Total	71		13	0.68

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-TP-A64-PRE-EX | Lab Sample ID: 240-69767-61

Matrix: Solid | Lab File ID: UX86201.D

Analysis Method: 8260B | Date Collected: 09/20/2016 11:45

Sample wt/vol: 5.04(g) | Date Analyzed: 09/22/2016 10:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 21.0 | Level: (low/med) Low

Analysis Batch No.: 247907 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.46	U	6.3	0.46

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	79		61-123
460-00-4	4-Bromofluorobenzene (Surr)	85		62-124
2037-26-5	Toluene-d8 (Surr)	95		72-130
1868-53-7	Dibromofluoromethane (Surr)	79		60-125

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-TP-A64-PRE-EX | Lab Sample ID: 240-69767-61

Matrix: Solid | Lab File ID: UX86201.D

Analysis Method: 8260B | Date Collected: 09/20/2016 11:45

Sample wt/vol: 5.04(g) | Date Analyzed: 09/22/2016 10:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: 21.0 | Level: (low/med) Low

Analysis Batch No.: 247907 | Units: ug/Kg

Number TICs Found: 10 | TIC Result Total: 130.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
110-82-7	Cyclohexane	4.73	13	T J N	91%
3769-23-1	1-Hexene, 4-methyl-	5.00	19	T J N	52%
872-56-0	Isopropylcyclobutane	5.09	8.9	T J N	97%
15890-40-1	Cyclopentane, 1,2,3-trimethyl-, (1.alpha.,2.alpha.,3.beta.)-	5.93	13	T J N	81%
589-90-2	Cyclohexane, 1,4-dimethyl-	6.56	12	T J N	72%
638-04-0	Cyclohexane, 1,3-dimethyl-, cis-	6.72	16	T J N	93%
638-04-0	Cyclohexane, 1,3-dimethyl-, cis-	6.81	9.4	T J N	91%
1678-91-7	Cyclohexane, ethyl-	7.22	18	T J N	94%
3073-66-3	Cyclohexane, 1,1,3-trimethyl-	7.26	11	T J N	91%
108-67-8	Benzene, 1,3,5-trimethyl-	9.17	9.8	T J N	94%

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: TB-092016 | Lab Sample ID: 240-69767-62

Matrix: Water | Lab File ID: UXR4754.D

Analysis Method: 8260B | Date Collected: 09/20/2016 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2016 21:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 248858 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
67-64-1	Acetone	0.94	U	10	0.94
630-20-6	1,1,1,2-Tetrachloroethane	0.28	U	1.0	0.28
71-43-2	Benzene	0.35	U	1.0	0.35
75-27-4	Bromodichloromethane	0.29	U	1.0	0.29
75-25-2	Bromoform	0.56	U	1.0	0.56
74-83-9	Bromomethane	0.44	U	1.0	0.44
78-93-3	2-Butanone (MEK)	0.53	U	10	0.53
75-15-0	Carbon disulfide	0.38	U	1.0	0.38
56-23-5	Carbon tetrachloride	0.43	U	1.0	0.43
108-90-7	Chlorobenzene	0.25	U	1.0	0.25
75-00-3	Chloroethane	0.32	U *	1.0	0.32
67-66-3	Chloroform	0.25	U	1.0	0.25
563-58-6	1,1-Dichloropropene	0.42	U	1.0	0.42
74-87-3	Chloromethane	0.44	U	1.0	0.44
75-34-3	1,1-Dichloroethane	0.30	U	1.0	0.30
87-61-6	1,2,3-Trichlorobenzene	0.37	U	1.0	0.37
96-18-4	1,2,3-Trichloropropane	0.44	U	1.0	0.44
107-06-2	1,2-Dichloroethane	0.23	U	1.0	0.23
75-35-4	1,1-Dichloroethene	0.45	U	1.0	0.45
526-73-8	1,2,3-Trimethylbenzene	0.47	U	5.0	0.47
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25
95-63-6	1,2,4-Trimethylbenzene	0.41	U	1.0	0.41
10061-01-5	cis-1,3-Dichloropropene	0.46	U	1.0	0.46
10061-02-6	trans-1,3-Dichloropropene	0.56	U	1.0	0.56
100-41-4	Ethylbenzene	0.25	U	1.0	0.25
591-78-6	2-Hexanone	0.48	U	10	0.48
75-09-2	Methylene Chloride	0.33	U	1.0	0.33
108-10-1	4-Methyl-2-pentanone (MIBK)	0.99	U	10	0.99
100-42-5	Styrene	0.45	U	1.0	0.45
79-34-5	1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22
127-18-4	Tetrachloroethene	0.31	U	1.0	0.31
108-88-3	Toluene	0.23	U	1.0	0.23
79-01-6	Trichloroethene	0.22	U	1.0	0.22
75-01-4	Vinyl chloride	0.29	U	1.0	0.29
1330-20-7	Xylenes, Total	0.52	U	2.0	0.52
71-55-6	1,1,1-Trichloroethane	0.44	U *	1.0	0.44

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: TB-092016 | Lab Sample ID: 240-69767-62

Matrix: Water | Lab File ID: UXR4754.D

Analysis Method: 8260B | Date Collected: 09/20/2016 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2016 21:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 248858 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
142-28-9	1,3-Dichloropropane	0.19	U	1.0	0.19
96-12-8	1,2-Dibromo-3-Chloropropane	0.82	U	2.0	0.82
106-93-4	1,2-Dibromoethane	0.32	U	1.0	0.32
75-71-8	Dichlorodifluoromethane	0.32	U	1.0	0.32
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
156-60-5	trans-1,2-Dichloroethene	0.30	U	1.0	0.30
98-82-8	Isopropylbenzene	0.35	U	1.0	0.35
1634-04-4	Methyl tert-butyl ether	0.20	U	1.0	0.20
76-13-1	1,1,2-Trichlorotrifluoroethane	0.45	U	1.0	0.45
120-82-1	1,2,4-Trichlorobenzene	0.32	U	1.0	0.32
594-20-7	2,2-Dichloropropane	0.26	U	1.0	0.26
95-50-1	1,2-Dichlorobenzene	0.25	U	1.0	0.25
541-73-1	1,3-Dichlorobenzene	0.19	U	1.0	0.19
106-46-7	1,4-Dichlorobenzene	0.27	U	1.0	0.27
110-75-8	2-Chloroethyl vinyl ether	0.59	U	10	0.59
75-69-4	Trichlorofluoromethane	0.49	U	1.0	0.49
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40
124-48-1	Chlorodibromomethane	0.43	U	1.0	0.43
108-86-1	Bromobenzene	0.35	U	1.0	0.35
74-97-5	Bromochloromethane	0.50	U	1.0	0.50
106-43-4	4-Chlorotoluene	0.29	U	1.0	0.29
99-87-6	4-Isopropyltoluene	0.43	U	1.0	0.43
87-68-3	Hexachlorobutadiene	0.35	U	1.0	0.35
74-95-3	Dibromomethane	0.42	U	1.0	0.42
108-20-3	Diisopropyl ether	0.50	U	10	0.50
91-20-3	Naphthalene	0.45	U	1.0	0.45
104-51-8	n-Butylbenzene	0.31	U	1.0	0.31
103-65-1	N-Propylbenzene	0.40	U	1.0	0.40
135-98-8	sec-Butylbenzene	0.48	U	1.0	0.48
994-05-8	Tert-amyl methyl ether	0.30	U	5.0	0.30
637-92-3	Ethyl tert-butyl ether	0.23	U	5.0	0.23
98-06-6	tert-Butylbenzene	0.41	U	1.0	0.41
108-05-4	Vinyl acetate	0.41	U	2.0	0.41
75-65-0	tert-Butyl alcohol	4.9	U	50	4.9

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Client Sample ID: TB-092016 Lab Sample ID: 240-69767-62

Matrix: Water Lab File ID: UXR4754.D

Analysis Method: 8260B Date Collected: 09/20/2016 00:00

Sample wt/vol: 5(mL) Date Analyzed: 09/28/2016 21:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 248858 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	109		63-132
460-00-4	4-Bromofluorobenzene (Surr)	86		73-120
2037-26-5	Toluene-d8 (Surr)	87		73-124
1868-53-7	Dibromofluoromethane (Surr)	101		80-120

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-250-0-3 | Lab Sample ID: 240-69767-1

Matrix: Solid | Lab File ID: P110924010.D

Analysis Method: 8082A | Date Collected: 09/19/2016 09:30

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:31

Sample wt/vol: 10.23(g) | Date Analyzed: 09/24/2016 14:43

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 21.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248278 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	30	U	62	30
11104-28-2	Aroclor-1221	28	U	62	28
11141-16-5	Aroclor-1232	20	U	62	20
53469-21-9	Aroclor-1242	25	U	62	25
12672-29-6	Aroclor-1248	21	U	62	21
11097-69-1	Aroclor-1254	17	U	62	17
11096-82-5	Aroclor-1260	22	U	62	22
37324-23-5	Aroclor-1262	9.9	U	62	9.9
11100-14-4	Aroclor-1268	25	U	62	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	79		14-128
2051-24-3	DCB Decachlorobiphenyl	74		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-250-24-27 | Lab Sample ID: 240-69767-2

Matrix: Solid | Lab File ID: P110924011.D

Analysis Method: 8082A | Date Collected: 09/19/2016 09:32

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:31

Sample wt/vol: 10.27(g) | Date Analyzed: 09/24/2016 15:01

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 11.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248278 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	55	27
11104-28-2	Aroclor-1221	25	U	55	25
11141-16-5	Aroclor-1232	18	U	55	18
53469-21-9	Aroclor-1242	22	U	55	22
12672-29-6	Aroclor-1248	19	U	55	19
11097-69-1	Aroclor-1254	15	U	55	15
11096-82-5	Aroclor-1260	20	U	55	20
37324-23-5	Aroclor-1262	8.8	U	55	8.8
11100-14-4	Aroclor-1268	22	U	55	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	69		14-128
2051-24-3	DCB Decachlorobiphenyl	65		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-250-48-51 | Lab Sample ID: 240-69767-3

Matrix: Solid | Lab File ID: P110924012.D

Analysis Method: 8082A | Date Collected: 09/19/2016 09:35

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:31

Sample wt/vol: 9.70(g) | Date Analyzed: 09/24/2016 15:19

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 14.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248278 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	29	U	60	29
11104-28-2	Aroclor-1221	28	U	60	28
11141-16-5	Aroclor-1232	19	U	60	19
53469-21-9	Aroclor-1242	24	U	60	24
12672-29-6	Aroclor-1248	20	U	60	20
11097-69-1	Aroclor-1254	17	U	60	17
11096-82-5	Aroclor-1260	22	U	60	22
37324-23-5	Aroclor-1262	9.6	U	60	9.6
11100-14-4	Aroclor-1268	24	U	60	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	71		14-128
2051-24-3	DCB Decachlorobiphenyl	87		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-250-72-75 | Lab Sample ID: 240-69767-4

Matrix: Solid | Lab File ID: P110924013.D

Analysis Method: 8082A | Date Collected: 09/19/2016 09:42

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:31

Sample wt/vol: 9.70(g) | Date Analyzed: 09/24/2016 15:38

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 9.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248278 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	57	27
11104-28-2	Aroclor-1221	26	U	57	26
11141-16-5	Aroclor-1232	18	U	57	18
53469-21-9	Aroclor-1242	23	U	57	23
12672-29-6	Aroclor-1248	19	U	57	19
11097-69-1	Aroclor-1254	16	U	57	16
11096-82-5	Aroclor-1260	20	U	57	20
37324-23-5	Aroclor-1262	9.1	U	57	9.1
11100-14-4	Aroclor-1268	23	U	57	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		14-128
2051-24-3	DCB Decachlorobiphenyl	98		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-250-96-99 | Lab Sample ID: 240-69767-5

Matrix: Solid | Lab File ID: P110924014.D

Analysis Method: 8082A | Date Collected: 09/19/2016 09:45

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:31

Sample wt/vol: 9.73(g) | Date Analyzed: 09/24/2016 15:56

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 16.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248278 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	29	U	61	29
11104-28-2	Aroclor-1221	28	U	61	28
11141-16-5	Aroclor-1232	20	U	61	20
53469-21-9	Aroclor-1242	25	U	61	25
12672-29-6	Aroclor-1248	21	U	61	21
11097-69-1	Aroclor-1254	17	U	61	17
11096-82-5	Aroclor-1260	22	U	61	22
37324-23-5	Aroclor-1262	9.8	U	61	9.8
11100-14-4	Aroclor-1268	25	U	61	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	82		14-128
2051-24-3	DCB Decachlorobiphenyl	79		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-250-120-123 | Lab Sample ID: 240-69767-6

Matrix: Solid | Lab File ID: P110924015.D

Analysis Method: 8082A | Date Collected: 09/19/2016 09:47

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:31

Sample wt/vol: 9.51(g) | Date Analyzed: 09/24/2016 16:14

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 18.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248278 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	31	U	65	31
11104-28-2	Aroclor-1221	30	U	65	30
11141-16-5	Aroclor-1232	21	U	65	21
53469-21-9	Aroclor-1242	26	U	65	26
12672-29-6	Aroclor-1248	22	U	65	22
11097-69-1	Aroclor-1254	320		65	18
11096-82-5	Aroclor-1260	23	U	65	23
37324-23-5	Aroclor-1262	10	U	65	10
11100-14-4	Aroclor-1268	26	U	65	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	80		14-128
2051-24-3	DCB Decachlorobiphenyl	87		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-250-144-145 | Lab Sample ID: 240-69767-7

Matrix: Solid | Lab File ID: P110924016.D

Analysis Method: 8082A | Date Collected: 09/19/2016 09:50

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:31

Sample wt/vol: 10.10(g) | Date Analyzed: 09/24/2016 16:32

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 30.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248278 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	34	U	71	34
11104-28-2	Aroclor-1221	33	U	71	33
11141-16-5	Aroclor-1232	23	U	71	23
53469-21-9	Aroclor-1242	28	U	71	28
12672-29-6	Aroclor-1248	24	U	71	24
11097-69-1	Aroclor-1254	62	J	71	20
11096-82-5	Aroclor-1260	25	U	71	25
37324-23-5	Aroclor-1262	11	U	71	11
11100-14-4	Aroclor-1268	28	U	71	28

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	60		14-128
2051-24-3	DCB Decachlorobiphenyl	70	p	10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-251-0-3 | Lab Sample ID: 240-69767-8

Matrix: Solid | Lab File ID: P100924010.D

Analysis Method: 8082A | Date Collected: 09/19/2016 14:00

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.15(g) | Date Analyzed: 09/24/2016 14:38

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 21.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	30	U	63	30
11104-28-2	Aroclor-1221	29	U	63	29
11141-16-5	Aroclor-1232	20	U	63	20
53469-21-9	Aroclor-1242	25	U	63	25
12672-29-6	Aroclor-1248	21	U	63	21
11097-69-1	Aroclor-1254	18	U	63	18
11096-82-5	Aroclor-1260	23	U	63	23
37324-23-5	Aroclor-1262	10	U	63	10
11100-14-4	Aroclor-1268	25	U	63	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	77		14-128
2051-24-3	DCB Decachlorobiphenyl	94		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-251-24-27 | Lab Sample ID: 240-69767-9

Matrix: Solid | Lab File ID: P100924011.D

Analysis Method: 8082A | Date Collected: 09/19/2016 14:03

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.09(g) | Date Analyzed: 09/24/2016 14:57

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 14.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	28	U	58	28
11104-28-2	Aroclor-1221	27	U	58	27
11141-16-5	Aroclor-1232	18	U	58	18
53469-21-9	Aroclor-1242	23	U	58	23
12672-29-6	Aroclor-1248	20	U	58	20
11097-69-1	Aroclor-1254	17	J	58	16
11096-82-5	Aroclor-1260	21	U	58	21
37324-23-5	Aroclor-1262	9.2	U	58	9.2
11100-14-4	Aroclor-1268	23	U	58	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	74		14-128
2051-24-3	DCB Decachlorobiphenyl	61		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-251-48-51 | Lab Sample ID: 240-69767-10

Matrix: Solid | Lab File ID: P100924012.D

Analysis Method: 8082A | Date Collected: 09/19/2016 14:05

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.10(g) | Date Analyzed: 09/24/2016 15:16

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 14.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	28	U	58	28
11104-28-2	Aroclor-1221	27	U	58	27
11141-16-5	Aroclor-1232	19	U	58	19
53469-21-9	Aroclor-1242	23	U	58	23
12672-29-6	Aroclor-1248	20	U	58	20
11097-69-1	Aroclor-1254	16	U	58	16
11096-82-5	Aroclor-1260	21	U	58	21
37324-23-5	Aroclor-1262	9.3	U	58	9.3
11100-14-4	Aroclor-1268	23	U	58	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	49		14-128
2051-24-3	DCB Decachlorobiphenyl	48		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-251-72-75 | Lab Sample ID: 240-69767-11

Matrix: Solid | Lab File ID: P100924013.D

Analysis Method: 8082A | Date Collected: 09/19/2016 14:07

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.12(g) | Date Analyzed: 09/24/2016 15:35

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 14.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	28	U	58	28
11104-28-2	Aroclor-1221	27	U	58	27
11141-16-5	Aroclor-1232	18	U	58	18
53469-21-9	Aroclor-1242	23	U	58	23
12672-29-6	Aroclor-1248	20	U	58	20
11097-69-1	Aroclor-1254	16	U	58	16
11096-82-5	Aroclor-1260	21	U	58	21
37324-23-5	Aroclor-1262	9.2	U	58	9.2
11100-14-4	Aroclor-1268	23	U	58	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	77		14-128
2051-24-3	DCB Decachlorobiphenyl	82		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-251-96-99 | Lab Sample ID: 240-69767-12

Matrix: Solid | Lab File ID: P100924014.D

Analysis Method: 8082A | Date Collected: 09/19/2016 14:10

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.16(g) | Date Analyzed: 09/24/2016 15:54

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 7.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	25	U	53	25
11104-28-2	Aroclor-1221	24	U	53	24
11141-16-5	Aroclor-1232	17	U	53	17
53469-21-9	Aroclor-1242	21	U	53	21
12672-29-6	Aroclor-1248	18	U	53	18
11097-69-1	Aroclor-1254	15	U	53	15
11096-82-5	Aroclor-1260	19	U	53	19
37324-23-5	Aroclor-1262	8.5	U	53	8.5
11100-14-4	Aroclor-1268	21	U	53	21

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	45		14-128
2051-24-3	DCB Decachlorobiphenyl	50		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-251-120-123 | Lab Sample ID: 240-69767-13

Matrix: Solid | Lab File ID: P100924015.D

Analysis Method: 8082A | Date Collected: 09/19/2016 14:12

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.07(g) | Date Analyzed: 09/24/2016 16:13

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 25.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	32	U	67	32
11104-28-2	Aroclor-1221	31	U	67	31
11141-16-5	Aroclor-1232	21	U	67	21
53469-21-9	Aroclor-1242	27	U	67	27
12672-29-6	Aroclor-1248	23	U	67	23
11097-69-1	Aroclor-1254	61	J	67	19
11096-82-5	Aroclor-1260	24	U	67	24
37324-23-5	Aroclor-1262	11	U	67	11
11100-14-4	Aroclor-1268	27	U	67	27

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	64		14-128
2051-24-3	DCB Decachlorobiphenyl	92		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-251-144-145 | Lab Sample ID: 240-69767-14

Matrix: Solid | Lab File ID: P100924016.D

Analysis Method: 8082A | Date Collected: 09/19/2016 14:15

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.08(g) | Date Analyzed: 09/24/2016 16:31

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 14.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	28	U	58	28
11104-28-2	Aroclor-1221	27	U	58	27
11141-16-5	Aroclor-1232	19	U	58	19
53469-21-9	Aroclor-1242	23	U	58	23
12672-29-6	Aroclor-1248	20	U	58	20
11097-69-1	Aroclor-1254	16	U	58	16
11096-82-5	Aroclor-1260	21	U	58	21
37324-23-5	Aroclor-1262	9.3	U	58	9.3
11100-14-4	Aroclor-1268	23	U	58	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	62		14-128
2051-24-3	DCB Decachlorobiphenyl	43		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-252-0-3 | Lab Sample ID: 240-69767-15

Matrix: Solid | Lab File ID: P100924017.D

Analysis Method: 8082A | Date Collected: 09/20/2016 09:50

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.08(g) | Date Analyzed: 09/24/2016 16:50

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 11.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	56	27
11104-28-2	Aroclor-1221	26	U	56	26
11141-16-5	Aroclor-1232	18	U	56	18
53469-21-9	Aroclor-1242	22	U	56	22
12672-29-6	Aroclor-1248	19	U	56	19
11097-69-1	Aroclor-1254	16	U	56	16
11096-82-5	Aroclor-1260	20	U	56	20
37324-23-5	Aroclor-1262	8.9	U	56	8.9
11100-14-4	Aroclor-1268	22	U	56	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	53		14-128
2051-24-3	DCB Decachlorobiphenyl	65		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-252-24-27 | Lab Sample ID: 240-69767-16

Matrix: Solid | Lab File ID: P100924018.D

Analysis Method: 8082A | Date Collected: 09/20/2016 09:51

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.08(g) | Date Analyzed: 09/24/2016 17:09

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 10.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	55	27
11104-28-2	Aroclor-1221	25	U	55	25
11141-16-5	Aroclor-1232	18	U	55	18
53469-21-9	Aroclor-1242	22	U	55	22
12672-29-6	Aroclor-1248	19	U	55	19
11097-69-1	Aroclor-1254	130		55	15
11096-82-5	Aroclor-1260	20	U	55	20
37324-23-5	Aroclor-1262	8.8	U	55	8.8
11100-14-4	Aroclor-1268	22	U	55	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	66		14-128
2051-24-3	DCB Decachlorobiphenyl	160	X	10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-252-48-51 | Lab Sample ID: 240-69767-17

Matrix: Solid | Lab File ID: P100924019.D

Analysis Method: 8082A | Date Collected: 09/20/2016 09:52

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.12(g) | Date Analyzed: 09/24/2016 17:28

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 14.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	28	U	58	28
11104-28-2	Aroclor-1221	27	U	58	27
11141-16-5	Aroclor-1232	18	U	58	18
53469-21-9	Aroclor-1242	23	U	58	23
12672-29-6	Aroclor-1248	20	U	58	20
11097-69-1	Aroclor-1254	40	J	58	16
11096-82-5	Aroclor-1260	21	U	58	21
37324-23-5	Aroclor-1262	9.2	U	58	9.2
11100-14-4	Aroclor-1268	23	U	58	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	66		14-128
2051-24-3	DCB Decachlorobiphenyl	50		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-252-72-75 | Lab Sample ID: 240-69767-18

Matrix: Solid | Lab File ID: P100924020.D

Analysis Method: 8082A | Date Collected: 09/20/2016 09:53

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.14(g) | Date Analyzed: 09/24/2016 17:47

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 13.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	57	27
11104-28-2	Aroclor-1221	26	U	57	26
11141-16-5	Aroclor-1232	18	U	57	18
53469-21-9	Aroclor-1242	23	U	57	23
12672-29-6	Aroclor-1248	19	U	57	19
11097-69-1	Aroclor-1254	940		57	16
11096-82-5	Aroclor-1260	20	U	57	20
37324-23-5	Aroclor-1262	9.1	U	57	9.1
11100-14-4	Aroclor-1268	23	U	57	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	85		14-128
2051-24-3	DCB Decachlorobiphenyl	62		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-252-96-99 | Lab Sample ID: 240-69767-19

Matrix: Solid | Lab File ID: P100924021.D

Analysis Method: 8082A | Date Collected: 09/20/2016 09:54

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.15(g) | Date Analyzed: 09/24/2016 18:06

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 7.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	25	U	53	25
11104-28-2	Aroclor-1221	24	U	53	24
11141-16-5	Aroclor-1232	17	U	53	17
53469-21-9	Aroclor-1242	21	U	53	21
12672-29-6	Aroclor-1248	18	U	53	18
11097-69-1	Aroclor-1254	15	U	53	15
11096-82-5	Aroclor-1260	19	U	53	19
37324-23-5	Aroclor-1262	8.5	U	53	8.5
11100-14-4	Aroclor-1268	21	U	53	21

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	82		14-128
2051-24-3	DCB Decachlorobiphenyl	13		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-252-120-123 | Lab Sample ID: 240-69767-20

Matrix: Solid | Lab File ID: P100924022.D

Analysis Method: 8082A | Date Collected: 09/20/2016 09:55

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.16(g) | Date Analyzed: 09/24/2016 18:25

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 21.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	30	U	62	30
11104-28-2	Aroclor-1221	29	U	62	29
11141-16-5	Aroclor-1232	20	U	62	20
53469-21-9	Aroclor-1242	25	U	62	25
12672-29-6	Aroclor-1248	21	U	62	21
11097-69-1	Aroclor-1254	130		62	17
11096-82-5	Aroclor-1260	22	U	62	22
37324-23-5	Aroclor-1262	10	U	62	10
11100-14-4	Aroclor-1268	25	U	62	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	62		14-128
2051-24-3	DCB Decachlorobiphenyl	90		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-252-144-145 | Lab Sample ID: 240-69767-21

Matrix: Solid | Lab File ID: P100924023.D

Analysis Method: 8082A | Date Collected: 09/20/2016 09:56

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.11(g) | Date Analyzed: 09/24/2016 18:44

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 12.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	57	27
11104-28-2	Aroclor-1221	26	U	57	26
11141-16-5	Aroclor-1232	18	U	57	18
53469-21-9	Aroclor-1242	23	U	57	23
12672-29-6	Aroclor-1248	19	U	57	19
11097-69-1	Aroclor-1254	16	U	57	16
11096-82-5	Aroclor-1260	20	U	57	20
37324-23-5	Aroclor-1262	9.1	U	57	9.1
11100-14-4	Aroclor-1268	23	U	57	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		14-128
2051-24-3	DCB Decachlorobiphenyl	62		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-253-0-3 | Lab Sample ID: 240-69767-22

Matrix: Solid | Lab File ID: P100924024.D

Analysis Method: 8082A | Date Collected: 09/19/2016 10:47

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.20(g) | Date Analyzed: 09/24/2016 19:02

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 13.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	57	27
11104-28-2	Aroclor-1221	26	U	57	26
11141-16-5	Aroclor-1232	18	U	57	18
53469-21-9	Aroclor-1242	23	U	57	23
12672-29-6	Aroclor-1248	19	U	57	19
11097-69-1	Aroclor-1254	16	U	57	16
11096-82-5	Aroclor-1260	20	U	57	20
37324-23-5	Aroclor-1262	9.1	U	57	9.1
11100-14-4	Aroclor-1268	23	U	57	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	49		14-128
2051-24-3	DCB Decachlorobiphenyl	49		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-253-24-27 | Lab Sample ID: 240-69767-23

Matrix: Solid | Lab File ID: P100924025.D

Analysis Method: 8082A | Date Collected: 09/19/2016 10:50

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.16(g) | Date Analyzed: 09/24/2016 19:21

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 10.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	26	U	55	26
11104-28-2	Aroclor-1221	25	U	55	25
11141-16-5	Aroclor-1232	18	U	55	18
53469-21-9	Aroclor-1242	22	U	55	22
12672-29-6	Aroclor-1248	19	U	55	19
11097-69-1	Aroclor-1254	18	J	55	15
11096-82-5	Aroclor-1260	20	U	55	20
37324-23-5	Aroclor-1262	8.8	U	55	8.8
11100-14-4	Aroclor-1268	22	U	55	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	71		14-128
2051-24-3	DCB Decachlorobiphenyl	141	X	10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-253-48-51 | Lab Sample ID: 240-69767-24

Matrix: Solid | Lab File ID: P100924026.D

Analysis Method: 8082A | Date Collected: 09/19/2016 10:53

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.13(g) | Date Analyzed: 09/24/2016 19:40

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 12.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	56	27
11104-28-2	Aroclor-1221	26	U	56	26
11141-16-5	Aroclor-1232	18	U	56	18
53469-21-9	Aroclor-1242	23	U	56	23
12672-29-6	Aroclor-1248	19	U	56	19
11097-69-1	Aroclor-1254	16	U	56	16
11096-82-5	Aroclor-1260	20	U	56	20
37324-23-5	Aroclor-1262	9.0	U	56	9.0
11100-14-4	Aroclor-1268	23	U	56	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	75		14-128
2051-24-3	DCB Decachlorobiphenyl	16		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-253-72-75 | Lab Sample ID: 240-69767-25

Matrix: Solid | Lab File ID: P100924030.D

Analysis Method: 8082A | Date Collected: 09/19/2016 10:55

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.08(g) | Date Analyzed: 09/24/2016 20:56

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	26	U	55	26
11104-28-2	Aroclor-1221	25	U	55	25
11141-16-5	Aroclor-1232	18	U	55	18
53469-21-9	Aroclor-1242	22	U	55	22
12672-29-6	Aroclor-1248	19	U	55	19
11097-69-1	Aroclor-1254	23	J	55	15
11096-82-5	Aroclor-1260	20	U	55	20
37324-23-5	Aroclor-1262	8.8	U	55	8.8
11100-14-4	Aroclor-1268	22	U	55	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	63		14-128
2051-24-3	DCB Decachlorobiphenyl	102		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-253-96-99 | Lab Sample ID: 240-69767-26

Matrix: Solid | Lab File ID: P100924031.D

Analysis Method: 8082A | Date Collected: 09/19/2016 10:58

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.15(g) | Date Analyzed: 09/24/2016 21:15

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 15.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	28	U	58	28
11104-28-2	Aroclor-1221	27	U	58	27
11141-16-5	Aroclor-1232	19	U	58	19
53469-21-9	Aroclor-1242	23	U	58	23
12672-29-6	Aroclor-1248	20	U	58	20
11097-69-1	Aroclor-1254	16	U	58	16
11096-82-5	Aroclor-1260	21	U	58	21
37324-23-5	Aroclor-1262	9.3	U	58	9.3
11100-14-4	Aroclor-1268	23	U	58	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	69		14-128
2051-24-3	DCB Decachlorobiphenyl	80		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-253-120-123 | Lab Sample ID: 240-69767-27

Matrix: Solid | Lab File ID: P100924032.D

Analysis Method: 8082A | Date Collected: 09/19/2016 11:00

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.05(g) | Date Analyzed: 09/24/2016 21:34

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 18.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	29	U	61	29
11104-28-2	Aroclor-1221	28	U	61	28
11141-16-5	Aroclor-1232	20	U	61	20
53469-21-9	Aroclor-1242	24	U	61	24
12672-29-6	Aroclor-1248	21	U	61	21
11097-69-1	Aroclor-1254	21	J	61	17
11096-82-5	Aroclor-1260	22	U	61	22
37324-23-5	Aroclor-1262	9.8	U	61	9.8
11100-14-4	Aroclor-1268	24	U	61	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	38		14-128
2051-24-3	DCB Decachlorobiphenyl	38		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-253-144-145 | Lab Sample ID: 240-69767-28

Matrix: Solid | Lab File ID: P120925009.D

Analysis Method: 8082A | Date Collected: 09/19/2016 11:03

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.23(g) | Date Analyzed: 09/25/2016 15:53

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 31.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	34	U	71	34
11104-28-2	Aroclor-1221	33	U	71	33
11141-16-5	Aroclor-1232	23	U	71	23
53469-21-9	Aroclor-1242	28	U	71	28
12672-29-6	Aroclor-1248	24	U	71	24
11097-69-1	Aroclor-1254	20	U	71	20
11096-82-5	Aroclor-1260	26	U	71	26
37324-23-5	Aroclor-1262	11	U	71	11
11100-14-4	Aroclor-1268	28	U	71	28

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	50		14-128
2051-24-3	DCB Decachlorobiphenyl	44		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-254-0-3 | Lab Sample ID: 240-69767-29

Matrix: Solid | Lab File ID: P120925010.D

Analysis Method: 8082A | Date Collected: 09/19/2016 14:40

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.13(g) | Date Analyzed: 09/25/2016 16:11

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 12.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	56	27
11104-28-2	Aroclor-1221	26	U	56	26
11141-16-5	Aroclor-1232	18	U	56	18
53469-21-9	Aroclor-1242	22	U	56	22
12672-29-6	Aroclor-1248	19	U	56	19
11097-69-1	Aroclor-1254	16	U	56	16
11096-82-5	Aroclor-1260	20	U	56	20
37324-23-5	Aroclor-1262	28	J	56	9.0
11100-14-4	Aroclor-1268	22	U	56	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	64		14-128
2051-24-3	DCB Decachlorobiphenyl	72		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-254-24-27 | Lab Sample ID: 240-69767-30

Matrix: Solid | Lab File ID: P120925011.D

Analysis Method: 8082A | Date Collected: 09/19/2016 14:42

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 9.89(g) | Date Analyzed: 09/25/2016 16:28

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 18.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	30	U	62	30
11104-28-2	Aroclor-1221	29	U	62	29
11141-16-5	Aroclor-1232	20	U	62	20
53469-21-9	Aroclor-1242	25	U	62	25
12672-29-6	Aroclor-1248	21	U	62	21
11097-69-1	Aroclor-1254	17	J	62	17
11096-82-5	Aroclor-1260	22	U	62	22
37324-23-5	Aroclor-1262	9.9	U	62	9.9
11100-14-4	Aroclor-1268	25	U	62	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	62		14-128
2051-24-3	DCB Decachlorobiphenyl	107		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-254-48-51 | Lab Sample ID: 240-69767-31

Matrix: Solid | Lab File ID: P120925012.D

Analysis Method: 8082A | Date Collected: 09/19/2016 14:45

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 9.95(g) | Date Analyzed: 09/25/2016 16:46

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 13.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	28	U	58	28
11104-28-2	Aroclor-1221	27	U	58	27
11141-16-5	Aroclor-1232	19	U	58	19
53469-21-9	Aroclor-1242	23	U	58	23
12672-29-6	Aroclor-1248	20	U	58	20
11097-69-1	Aroclor-1254	100		58	16
11096-82-5	Aroclor-1260	21	U	58	21
37324-23-5	Aroclor-1262	9.3	U	58	9.3
11100-14-4	Aroclor-1268	23	U	58	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	48		14-128
2051-24-3	DCB Decachlorobiphenyl	60		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-254-72-75 | Lab Sample ID: 240-69767-32

Matrix: Solid | Lab File ID: P120925013.D

Analysis Method: 8082A | Date Collected: 09/19/2016 14:47

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 9.88(g) | Date Analyzed: 09/25/2016 17:04

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 14.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	28	U	59	28
11104-28-2	Aroclor-1221	27	U	59	27
11141-16-5	Aroclor-1232	19	U	59	19
53469-21-9	Aroclor-1242	24	U	59	24
12672-29-6	Aroclor-1248	20	U	59	20
11097-69-1	Aroclor-1254	28	J	59	17
11096-82-5	Aroclor-1260	21	U	59	21
37324-23-5	Aroclor-1262	9.5	U	59	9.5
11100-14-4	Aroclor-1268	24	U	59	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	62		14-128
2051-24-3	DCB Decachlorobiphenyl	64	p	10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-255-0-3 | Lab Sample ID: 240-69767-33

Matrix: Solid | Lab File ID: P120925014.D

Analysis Method: 8082A | Date Collected: 09/20/2016 10:40

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.18(g) | Date Analyzed: 09/25/2016 17:21

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 22.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	31	U	64	31
11104-28-2	Aroclor-1221	29	U	64	29
11141-16-5	Aroclor-1232	20	U	64	20
53469-21-9	Aroclor-1242	25	U	64	25
12672-29-6	Aroclor-1248	22	U	64	22
11097-69-1	Aroclor-1254	18	U	64	18
11096-82-5	Aroclor-1260	23	U	64	23
37324-23-5	Aroclor-1262	21	J	64	10
11100-14-4	Aroclor-1268	25	U	64	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	57		14-128
2051-24-3	DCB Decachlorobiphenyl	80		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-255-24-27 | Lab Sample ID: 240-69767-34

Matrix: Solid | Lab File ID: P120925015.D

Analysis Method: 8082A | Date Collected: 09/20/2016 10:41

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 9.64(g) | Date Analyzed: 09/25/2016 17:39

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 16.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	30	U	62	30
11104-28-2	Aroclor-1221	29	U	62	29
11141-16-5	Aroclor-1232	20	U	62	20
53469-21-9	Aroclor-1242	25	U	62	25
12672-29-6	Aroclor-1248	21	U	62	21
11097-69-1	Aroclor-1254	160		62	17
11096-82-5	Aroclor-1260	22	U	62	22
37324-23-5	Aroclor-1262	10	U	62	10
11100-14-4	Aroclor-1268	25	U	62	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	63		14-128
2051-24-3	DCB Decachlorobiphenyl	70		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-255-48-51 | Lab Sample ID: 240-69767-35

Matrix: Solid | Lab File ID: P120925016.D

Analysis Method: 8082A | Date Collected: 09/20/2016 10:42

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.45(g) | Date Analyzed: 09/25/2016 17:56

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 15.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	57	27
11104-28-2	Aroclor-1221	26	U	57	26
11141-16-5	Aroclor-1232	18	U	57	18
53469-21-9	Aroclor-1242	23	U	57	23
12672-29-6	Aroclor-1248	19	U	57	19
11097-69-1	Aroclor-1254	63		57	16
11096-82-5	Aroclor-1260	20	U	57	20
37324-23-5	Aroclor-1262	9.1	U	57	9.1
11100-14-4	Aroclor-1268	23	U	57	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	66		14-128
2051-24-3	DCB Decachlorobiphenyl	70		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-255-72-75 | Lab Sample ID: 240-69767-36

Matrix: Solid | Lab File ID: P120925017.D

Analysis Method: 8082A | Date Collected: 09/20/2016 10:43

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.13(g) | Date Analyzed: 09/25/2016 18:14

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 8.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	26	U F2	54	26
11104-28-2	Aroclor-1221	25	U	54	25
11141-16-5	Aroclor-1232	17	U	54	17
53469-21-9	Aroclor-1242	22	U	54	22
12672-29-6	Aroclor-1248	18	U	54	18
11097-69-1	Aroclor-1254	200		54	15
11096-82-5	Aroclor-1260	19	U	54	19
37324-23-5	Aroclor-1262	8.6	U	54	8.6
11100-14-4	Aroclor-1268	22	U	54	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	64		14-128
2051-24-3	DCB Decachlorobiphenyl	174	X	10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-255-96-99 | Lab Sample ID: 240-69767-37

Matrix: Solid | Lab File ID: P120927031.D

Analysis Method: 8082A | Date Collected: 09/20/2016 10:44

Extraction Method: 3540C | Date Extracted: 09/23/2016 09:05

Sample wt/vol: 9.73(g) | Date Analyzed: 09/27/2016 13:27

Con. Extract Vol.: 10(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 18.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248519 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	150	U	320	150
11104-28-2	Aroclor-1221	150	U	320	150
11141-16-5	Aroclor-1232	100	U	320	100
53469-21-9	Aroclor-1242	130	U	320	130
12672-29-6	Aroclor-1248	110	U	320	110
11097-69-1	Aroclor-1254	1100		320	89
11096-82-5	Aroclor-1260	110	U	320	110
37324-23-5	Aroclor-1262	51	U	320	51
11100-14-4	Aroclor-1268	130	U	320	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	71		14-128
2051-24-3	DCB Decachlorobiphenyl	107		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-255-120-123 | Lab Sample ID: 240-69767-38

Matrix: Solid | Lab File ID: P120925020.D

Analysis Method: 8082A | Date Collected: 09/20/2016 10:45

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.28(g) | Date Analyzed: 09/25/2016 19:07

Con. Extract Vol.: 10(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 25.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	310	U	650	310
11104-28-2	Aroclor-1221	300	U	650	300
11141-16-5	Aroclor-1232	210	U	650	210
53469-21-9	Aroclor-1242	260	U	650	260
12672-29-6	Aroclor-1248	220	U	650	220
11097-69-1	Aroclor-1254	5700		650	180
11096-82-5	Aroclor-1260	240	U	650	240
37324-23-5	Aroclor-1262	100	U	650	100
11100-14-4	Aroclor-1268	260	U	650	260

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	58		14-128
2051-24-3	DCB Decachlorobiphenyl	150	X	10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-255-144-145 | Lab Sample ID: 240-69767-39

Matrix: Solid | Lab File ID: P120925021.D

Analysis Method: 8082A | Date Collected: 09/20/2016 10:46

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.43(g) | Date Analyzed: 09/25/2016 19:25

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 19.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	29	U	60	29
11104-28-2	Aroclor-1221	27	U	60	27
11141-16-5	Aroclor-1232	19	U	60	19
53469-21-9	Aroclor-1242	24	U	60	24
12672-29-6	Aroclor-1248	20	U	60	20
11097-69-1	Aroclor-1254	270		60	17
11096-82-5	Aroclor-1260	22	U	60	22
37324-23-5	Aroclor-1262	9.6	U	60	9.6
11100-14-4	Aroclor-1268	24	U	60	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	26	p	14-128
2051-24-3	DCB Decachlorobiphenyl	238	X	10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-256-0-3 | Lab Sample ID: 240-69767-40

Matrix: Solid | Lab File ID: P120925022.D

Analysis Method: 8082A | Date Collected: 09/19/2016 12:50

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.11(g) | Date Analyzed: 09/25/2016 19:42

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 15.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	28	U	58	28
11104-28-2	Aroclor-1221	27	U	58	27
11141-16-5	Aroclor-1232	19	U	58	19
53469-21-9	Aroclor-1242	23	U	58	23
12672-29-6	Aroclor-1248	20	U	58	20
11097-69-1	Aroclor-1254	16	U	58	16
11096-82-5	Aroclor-1260	21	U	58	21
37324-23-5	Aroclor-1262	9.3	U	58	9.3
11100-14-4	Aroclor-1268	23	U	58	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		14-128
2051-24-3	DCB Decachlorobiphenyl	73		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-256-24-27 | Lab Sample ID: 240-69767-41

Matrix: Solid | Lab File ID: P120925023.D

Analysis Method: 8082A | Date Collected: 09/19/2016 12:53

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 9.61(g) | Date Analyzed: 09/25/2016 20:00

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 14.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	29	U	61	29
11104-28-2	Aroclor-1221	28	U	61	28
11141-16-5	Aroclor-1232	19	U	61	19
53469-21-9	Aroclor-1242	24	U	61	24
12672-29-6	Aroclor-1248	21	U	61	21
11097-69-1	Aroclor-1254	17	U	61	17
11096-82-5	Aroclor-1260	22	U	61	22
37324-23-5	Aroclor-1262	9.7	U	61	9.7
11100-14-4	Aroclor-1268	24	U	61	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	49		14-128
2051-24-3	DCB Decachlorobiphenyl	120		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-256-48-51 | Lab Sample ID: 240-69767-42

Matrix: Solid | Lab File ID: P120925024.D

Analysis Method: 8082A | Date Collected: 09/19/2016 12:55

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.29(g) | Date Analyzed: 09/25/2016 20:17

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 13.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	56	27
11104-28-2	Aroclor-1221	26	U	56	26
11141-16-5	Aroclor-1232	18	U	56	18
53469-21-9	Aroclor-1242	22	U	56	22
12672-29-6	Aroclor-1248	19	U	56	19
11097-69-1	Aroclor-1254	17	J	56	16
11096-82-5	Aroclor-1260	20	U	56	20
37324-23-5	Aroclor-1262	9.0	U	56	9.0
11100-14-4	Aroclor-1268	22	U	56	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	60		14-128
2051-24-3	DCB Decachlorobiphenyl	75		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-256-72-75 | Lab Sample ID: 240-69767-43

Matrix: Solid | Lab File ID: P120925025.D

Analysis Method: 8082A | Date Collected: 09/19/2016 12:57

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.06(g) | Date Analyzed: 09/25/2016 20:35

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 12.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	56	27
11104-28-2	Aroclor-1221	26	U	56	26
11141-16-5	Aroclor-1232	18	U	56	18
53469-21-9	Aroclor-1242	23	U	56	23
12672-29-6	Aroclor-1248	19	U	56	19
11097-69-1	Aroclor-1254	16	U	56	16
11096-82-5	Aroclor-1260	20	U	56	20
37324-23-5	Aroclor-1262	9.0	U	56	9.0
11100-14-4	Aroclor-1268	23	U	56	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	54		14-128
2051-24-3	DCB Decachlorobiphenyl	63		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-256-96-99 | Lab Sample ID: 240-69767-44

Matrix: Solid | Lab File ID: P120925029.D

Analysis Method: 8082A | Date Collected: 09/19/2016 13:00

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 9.69(g) | Date Analyzed: 09/25/2016 21:46

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	57	27
11104-28-2	Aroclor-1221	26	U	57	26
11141-16-5	Aroclor-1232	18	U	57	18
53469-21-9	Aroclor-1242	23	U	57	23
12672-29-6	Aroclor-1248	19	U	57	19
11097-69-1	Aroclor-1254	16	U	57	16
11096-82-5	Aroclor-1260	20	U	57	20
37324-23-5	Aroclor-1262	9.1	U	57	9.1
11100-14-4	Aroclor-1268	23	U	57	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		14-128
2051-24-3	DCB Decachlorobiphenyl	79		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-256-120-123 | Lab Sample ID: 240-69767-45

Matrix: Solid | Lab File ID: P120925030.D

Analysis Method: 8082A | Date Collected: 09/19/2016 13:02

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.38(g) | Date Analyzed: 09/25/2016 22:03

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 14.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	57	27
11104-28-2	Aroclor-1221	26	U	57	26
11141-16-5	Aroclor-1232	18	U	57	18
53469-21-9	Aroclor-1242	23	U	57	23
12672-29-6	Aroclor-1248	19	U	57	19
11097-69-1	Aroclor-1254	16	U	57	16
11096-82-5	Aroclor-1260	20	U	57	20
37324-23-5	Aroclor-1262	9.1	U	57	9.1
11100-14-4	Aroclor-1268	23	U	57	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	74		14-128
2051-24-3	DCB Decachlorobiphenyl	72		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-256-144-145 | Lab Sample ID: 240-69767-46

Matrix: Solid | Lab File ID: P120925031.D

Analysis Method: 8082A | Date Collected: 09/19/2016 13:05

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.08(g) | Date Analyzed: 09/25/2016 22:21

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 18.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	29	U	61	29
11104-28-2	Aroclor-1221	28	U	61	28
11141-16-5	Aroclor-1232	19	U	61	19
53469-21-9	Aroclor-1242	24	U	61	24
12672-29-6	Aroclor-1248	21	U	61	21
11097-69-1	Aroclor-1254	32	J	61	17
11096-82-5	Aroclor-1260	22	U	61	22
37324-23-5	Aroclor-1262	9.7	U	61	9.7
11100-14-4	Aroclor-1268	24	U	61	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	48		14-128
2051-24-3	DCB Decachlorobiphenyl	91		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-257-0-3 | Lab Sample ID: 240-69767-47

Matrix: Solid | Lab File ID: P120925032.D

Analysis Method: 8082A | Date Collected: 09/20/2016 08:50

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 9.70(g) | Date Analyzed: 09/25/2016 22:38

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 20.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	31	U	65	31
11104-28-2	Aroclor-1221	30	U	65	30
11141-16-5	Aroclor-1232	21	U	65	21
53469-21-9	Aroclor-1242	26	U	65	26
12672-29-6	Aroclor-1248	22	U	65	22
11097-69-1	Aroclor-1254	18	U	65	18
11096-82-5	Aroclor-1260	23	U	65	23
37324-23-5	Aroclor-1262	10	U	65	10
11100-14-4	Aroclor-1268	26	U	65	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	56		14-128
2051-24-3	DCB Decachlorobiphenyl	51		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-257-24-27 | Lab Sample ID: 240-69767-48

Matrix: Solid | Lab File ID: SIG10009.D

Analysis Method: 8082A | Date Collected: 09/20/2016 08:51

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 10.38(g) | Date Analyzed: 09/29/2016 10:03

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 13.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	55	27
11104-28-2	Aroclor-1221	25	U	55	25
11141-16-5	Aroclor-1232	18	U	55	18
53469-21-9	Aroclor-1242	22	U	55	22
12672-29-6	Aroclor-1248	19	U	55	19
11097-69-1	Aroclor-1254	16	U	55	16
11096-82-5	Aroclor-1260	20	U	55	20
37324-23-5	Aroclor-1262	8.9	U	55	8.9
11100-14-4	Aroclor-1268	22	U	55	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	51		14-128
2051-24-3	DCB Decachlorobiphenyl	68		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-257-48-51 | Lab Sample ID: 240-69767-49

Matrix: Solid | Lab File ID: SIG10010.D

Analysis Method: 8082A | Date Collected: 09/20/2016 08:52

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.64(g) | Date Analyzed: 09/29/2016 10:20

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 18.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11097-69-1	Aroclor-1254	18	U	64	18

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	50		14-128
2051-24-3	DCB Decachlorobiphenyl	59		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-257-48-51 | Lab Sample ID: 240-69767-49

Matrix: Solid | Lab File ID: SIG10010.D

Analysis Method: 8082A | Date Collected: 09/20/2016 08:52

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.64(g) | Date Analyzed: 09/29/2016 10:20

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 18.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	30	U	64	30
11104-28-2	Aroclor-1221	29	U	64	29
11141-16-5	Aroclor-1232	20	U	64	20
53469-21-9	Aroclor-1242	25	U	64	25
12672-29-6	Aroclor-1248	22	U	64	22
11096-82-5	Aroclor-1260	23	U	64	23
37324-23-5	Aroclor-1262	10	U	64	10
11100-14-4	Aroclor-1268	25	U	64	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	56		14-128
2051-24-3	DCB Decachlorobiphenyl	74		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-257-72-75 | Lab Sample ID: 240-69767-50

Matrix: Solid | Lab File ID: P100102009.D

Analysis Method: 8082A | Date Collected: 09/20/2016 08:53

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.59(g) | Date Analyzed: 10/02/2016 11:25

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 38.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 249387 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	40	U	84	40
11104-28-2	Aroclor-1221	39	U	84	39
11141-16-5	Aroclor-1232	27	U	84	27
53469-21-9	Aroclor-1242	34	U	84	34
12672-29-6	Aroclor-1248	29	U	84	29
11097-69-1	Aroclor-1254	50	J	84	24
11096-82-5	Aroclor-1260	30	U	84	30
37324-23-5	Aroclor-1262	13	U	84	13
11100-14-4	Aroclor-1268	34	U	84	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	51		14-128
2051-24-3	DCB Decachlorobiphenyl	47	p	10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-257-96-99 | Lab Sample ID: 240-69767-51

Matrix: Solid | Lab File ID: P100102010.D

Analysis Method: 8082A | Date Collected: 09/20/2016 08:54

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.65(g) | Date Analyzed: 10/02/2016 11:44

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 44.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 249387 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	45	U	94	45
11104-28-2	Aroclor-1221	43	U	94	43
11141-16-5	Aroclor-1232	30	U	94	30
53469-21-9	Aroclor-1242	37	U	94	37
12672-29-6	Aroclor-1248	32	U	94	32
11097-69-1	Aroclor-1254	42	J	94	26
11096-82-5	Aroclor-1260	34	U	94	34
37324-23-5	Aroclor-1262	15	U	94	15
11100-14-4	Aroclor-1268	37	U	94	37

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	62		14-128
2051-24-3	DCB Decachlorobiphenyl	57	p	10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-257-120-123 | Lab Sample ID: 240-69767-52

Matrix: Solid | Lab File ID: SIG10013.D

Analysis Method: 8082A | Date Collected: 09/20/2016 08:55

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 10.35(g) | Date Analyzed: 09/29/2016 11:13

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 17.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	28	U	58	28
11104-28-2	Aroclor-1221	27	U	58	27
11141-16-5	Aroclor-1232	19	U	58	19
53469-21-9	Aroclor-1242	23	U	58	23
12672-29-6	Aroclor-1248	20	U	58	20
11097-69-1	Aroclor-1254	88		58	16
11096-82-5	Aroclor-1260	21	U	58	21
37324-23-5	Aroclor-1262	9.3	U	58	9.3
11100-14-4	Aroclor-1268	23	U	58	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	49		14-128
2051-24-3	DCB Decachlorobiphenyl	99		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-257-144-145 | Lab Sample ID: 240-69767-53

Matrix: Solid | Lab File ID: SIG10014.D

Analysis Method: 8082A | Date Collected: 09/20/2016 08:56

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 10.42(g) | Date Analyzed: 09/29/2016 11:31

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 26.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	31	U	65	31
11104-28-2	Aroclor-1221	30	U	65	30
11141-16-5	Aroclor-1232	21	U	65	21
53469-21-9	Aroclor-1242	26	U	65	26
12672-29-6	Aroclor-1248	22	U	65	22
11097-69-1	Aroclor-1254	120	P	65	18
11096-82-5	Aroclor-1260	23	U	65	23
37324-23-5	Aroclor-1262	10	U	65	10
11100-14-4	Aroclor-1268	26	U	65	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	63		14-128
2051-24-3	DCB Decachlorobiphenyl	194	X	10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-258-0-3 | Lab Sample ID: 240-69767-54

Matrix: Solid | Lab File ID: SIG10015.D

Analysis Method: 8082A | Date Collected: 09/20/2016 11:00

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.93(g) | Date Analyzed: 09/29/2016 11:49

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 12.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	57	27
11104-28-2	Aroclor-1221	26	U	57	26
11141-16-5	Aroclor-1232	18	U	57	18
53469-21-9	Aroclor-1242	23	U	57	23
12672-29-6	Aroclor-1248	19	U	57	19
11097-69-1	Aroclor-1254	16	U	57	16
11096-82-5	Aroclor-1260	21	U	57	21
37324-23-5	Aroclor-1262	9.2	U	57	9.2
11100-14-4	Aroclor-1268	23	U	57	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	50		14-128
2051-24-3	DCB Decachlorobiphenyl	94		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-258-24-27 | Lab Sample ID: 240-69767-55

Matrix: Solid | Lab File ID: SIG10016.D

Analysis Method: 8082A | Date Collected: 09/20/2016 11:01

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.93(g) | Date Analyzed: 09/29/2016 12:07

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 13.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	28	U	58	28
11104-28-2	Aroclor-1221	27	U	58	27
11141-16-5	Aroclor-1232	19	U	58	19
53469-21-9	Aroclor-1242	23	U	58	23
12672-29-6	Aroclor-1248	20	U	58	20
11097-69-1	Aroclor-1254	19	J	58	16
11096-82-5	Aroclor-1260	21	U	58	21
37324-23-5	Aroclor-1262	9.3	U	58	9.3
11100-14-4	Aroclor-1268	23	U	58	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	49		14-128
2051-24-3	DCB Decachlorobiphenyl	82		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-258-48-51 | Lab Sample ID: 240-69767-56

Matrix: Solid | Lab File ID: SIG10017.D

Analysis Method: 8082A | Date Collected: 09/20/2016 11:02

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.89(g) | Date Analyzed: 09/29/2016 12:24

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 16.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	29	U	60	29
11104-28-2	Aroclor-1221	28	U	60	28
11141-16-5	Aroclor-1232	19	U	60	19
53469-21-9	Aroclor-1242	24	U	60	24
12672-29-6	Aroclor-1248	20	U	60	20
11097-69-1	Aroclor-1254	26	J	60	17
11096-82-5	Aroclor-1260	22	U	60	22
37324-23-5	Aroclor-1262	9.6	U	60	9.6
11100-14-4	Aroclor-1268	24	U	60	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	46		14-128
2051-24-3	DCB Decachlorobiphenyl	57		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-258-72-75 | Lab Sample ID: 240-69767-57

Matrix: Solid | Lab File ID: SIG10018.D

Analysis Method: 8082A | Date Collected: 09/20/2016 11:03

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.93(g) | Date Analyzed: 09/29/2016 12:42

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 18.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	29	U	61	29
11104-28-2	Aroclor-1221	28	U	61	28
11141-16-5	Aroclor-1232	20	U	61	20
53469-21-9	Aroclor-1242	25	U	61	25
12672-29-6	Aroclor-1248	21	U	61	21
11097-69-1	Aroclor-1254	23	J	61	17
11096-82-5	Aroclor-1260	22	U	61	22
37324-23-5	Aroclor-1262	9.8	U	61	9.8
11100-14-4	Aroclor-1268	25	U	61	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	46		14-128
2051-24-3	DCB Decachlorobiphenyl	61		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-258-96-99 | Lab Sample ID: 240-69767-58

Matrix: Solid | Lab File ID: SIG10019.D

Analysis Method: 8082A | Date Collected: 09/20/2016 11:04

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.76(g) | Date Analyzed: 09/29/2016 13:01

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 21.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	31	U	66	31
11104-28-2	Aroclor-1221	30	U	66	30
11141-16-5	Aroclor-1232	21	U	66	21
53469-21-9	Aroclor-1242	26	U	66	26
12672-29-6	Aroclor-1248	22	U	66	22
11097-69-1	Aroclor-1254	96		66	18
11096-82-5	Aroclor-1260	24	U	66	24
37324-23-5	Aroclor-1262	10	U	66	10
11100-14-4	Aroclor-1268	26	U	66	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	60		14-128
2051-24-3	DCB Decachlorobiphenyl	92		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-258-120-123 | Lab Sample ID: 240-69767-59

Matrix: Solid | Lab File ID: SIG10020.D

Analysis Method: 8082A | Date Collected: 09/20/2016 11:05

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 10.18(g) | Date Analyzed: 09/29/2016 13:19

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 18.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	29	U	61	29
11104-28-2	Aroclor-1221	28	U	61	28
11141-16-5	Aroclor-1232	19	U	61	19
53469-21-9	Aroclor-1242	24	U	61	24
12672-29-6	Aroclor-1248	21	U	61	21
11097-69-1	Aroclor-1254	58	J	61	17
11096-82-5	Aroclor-1260	22	U	61	22
37324-23-5	Aroclor-1262	9.7	U	61	9.7
11100-14-4	Aroclor-1268	24	U	61	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	43		14-128
2051-24-3	DCB Decachlorobiphenyl	77		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-258-144-145 | Lab Sample ID: 240-69767-60

Matrix: Solid | Lab File ID: SIG10021.D

Analysis Method: 8082A | Date Collected: 09/20/2016 11:06

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.97(g) | Date Analyzed: 09/29/2016 13:37

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 16.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	29	U	60	29
11104-28-2	Aroclor-1221	28	U	60	28
11141-16-5	Aroclor-1232	19	U	60	19
53469-21-9	Aroclor-1242	24	U	60	24
12672-29-6	Aroclor-1248	20	U	60	20
11097-69-1	Aroclor-1254	17	U	60	17
11096-82-5	Aroclor-1260	22	U	60	22
37324-23-5	Aroclor-1262	9.6	U	60	9.6
11100-14-4	Aroclor-1268	24	U	60	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	50		14-128
2051-24-3	DCB Decachlorobiphenyl	65		10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-TP-A64-PRE-EX | Lab Sample ID: 240-69767-61

Matrix: Solid | Lab File ID: SIG10022.D

Analysis Method: 8082A | Date Collected: 09/20/2016 11:45

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.72(g) | Date Analyzed: 09/29/2016 13:56

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 21.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11097-69-1	Aroclor-1254	18	U	65	18

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	45		14-128
2051-24-3	DCB Decachlorobiphenyl	62	*p*	10-132

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-TP-A64-PRE-EX | Lab Sample ID: 240-69767-61

Matrix: Solid | Lab File ID: SIG10022.D

Analysis Method: 8082A | Date Collected: 09/20/2016 11:45

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.72(g) | Date Analyzed: 09/29/2016 13:56

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 21.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	31	U	65	31
11104-28-2	Aroclor-1221	30	U	65	30
11141-16-5	Aroclor-1232	21	U	65	21
53469-21-9	Aroclor-1242	26	U	65	26
12672-29-6	Aroclor-1248	22	U	65	22
11096-82-5	Aroclor-1260	23	U	65	23
37324-23-5	Aroclor-1262	10	U	65	10
11100-14-4	Aroclor-1268	26	U	65	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	48		14-128
2051-24-3	DCB Decachlorobiphenyl	96		10-132

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-TP-A64-PRE-EX | Lab Sample ID: 240-69767-61

Matrix: Solid (TCLP) | Lab File ID: UXM8076.D

Analysis Method: 8260B | Date Collected: 09/20/2016 11:45

Sample wt/vol: 0.1(mL) | Date Analyzed: 09/23/2016 23:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 248231 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-35-4	1,1-Dichloroethene	0.0095	U	0.025	0.0095
107-06-2	1,2-Dichloroethane	0.011	U	0.025	0.011
78-93-3	2-Butanone (MEK)	0.029	U	0.25	0.029
71-43-2	Benzene	0.0065	U	0.025	0.0065
56-23-5	Carbon tetrachloride	0.0065	U	0.025	0.0065
108-90-7	Chlorobenzene	0.0075	U	0.025	0.0075
67-66-3	Chloroform	0.0080	U	0.025	0.0080
127-18-4	Tetrachloroethene	0.015	U	0.025	0.015
79-01-6	Trichloroethene	0.0085	U	0.025	0.0085
75-01-4	Vinyl chloride	0.011	U	0.025	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		73-120
460-00-4	4-Bromofluorobenzene (Surr)	90		69-120
2037-26-5	Toluene-d8 (Surr)	93		76-120
1868-53-7	Dibromofluoromethane (Surr)	93		80-120

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-TP-A64-PRE-EX | Lab Sample ID: 240-69767-61

Matrix: Solid (TCLP) | Lab File ID: 60930021.D

Analysis Method: 8270C | Date Collected: 09/20/2016 11:45

Extract. Method: 3510C | Date Extracted: 09/28/2016 13:53

Sample wt/vol: 250(mL) | Date Analyzed: 09/30/2016 17:18

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 249137 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	0.00034	U	0.0040	0.00034
95-95-4	2,4,5-Trichlorophenol	0.00030	U	0.0040	0.00030
88-06-2	2,4,6-Trichlorophenol	0.00024	U	0.0040	0.00024
121-14-2	2,4-Dinitrotoluene	0.00025	U	0.0040	0.00025
118-74-1	Hexachlorobenzene	0.000085	U	0.00080	0.000085
87-68-3	Hexachlorobutadiene	0.00027	U	0.0040	0.00027
67-72-1	Hexachloroethane	0.00019	U	0.0040	0.00019
15831-10-4	3 & 4 Methylphenol	0.00080	U	0.0040	0.00080
95-48-7	2-Methylphenol	0.00017	U	0.0040	0.00017
98-95-3	Nitrobenzene	0.000040	U	0.0040	0.000040
87-86-5	Pentachlorophenol	0.00027	U	0.016	0.00027
110-86-1	Pyridine	0.00035	U	0.0040	0.00035

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	64		42-120
367-12-4	2-Fluorophenol (Surr)	61		10-120
118-79-6	2,4,6-Tribromophenol (Surr)	67		35-125
4165-60-0	Nitrobenzene-d5 (Surr)	63		36-120
4165-62-2	Phenol-d5 (Surr)	47		10-120
1718-51-0	Terphenyl-d14 (Surr)	87		17-120

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-TP-A64-PRE-EX | Lab Sample ID: 240-69767-61

Matrix: Solid (TCLP) | Lab File ID: P3100218.D

Analysis Method: 8081A | Date Collected: 09/20/2016 11:45

Extraction Method: 3520C | Date Extracted: 09/28/2016 13:55

Sample wt/vol: 250(mL) | Date Analyzed: 10/02/2016 23:12

Con. Extract Vol.: 3(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 249394 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
57-74-9	Chlordane (technical)	0.00014	U	0.0050	0.00014
72-20-8	Endrin	0.000013	U	0.00050	0.000013
76-44-8	Heptachlor	0.000014	U	0.00050	0.000014
1024-57-3	Heptachlor epoxide	0.000015	U	0.00050	0.000015
58-89-9	gamma-BHC (Lindane)	0.000013	U	0.00050	0.000013
72-43-5	Methoxychlor	0.000013	U	0.0010	0.000013
8001-35-2	Toxaphene	0.00020	U	0.020	0.00020

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		33-123
2051-24-3	DCB Decachlorobiphenyl	75		21-135

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-TP-A64-PRE-EX Lab Sample ID: 240-69767-61

Matrix: Solid (TCLP) Lab File ID: P3100218.D

Analysis Method: 8081A Date Collected: 09/20/2016 11:45

Extraction Method: 3520C Date Extracted: 09/28/2016 13:55

Sample wt/vol: 250(mL) Date Analyzed: 10/02/2016 23:12

Con. Extract Vol.: 3(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 249394 Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	72		33-123
2051-24-3	DCB Decachlorobiphenyl	97		21-135

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-TP-A64-PRE-EX | Lab Sample ID: 240-69767-61

Matrix: Solid (TCLP) | Lab File ID: P1093011.D

Analysis Method: 8151A | Date Collected: 09/20/2016 11:45

Extraction Method: 8151A | Date Extracted: 09/28/2016 13:56

Sample wt/vol: 100(mL) | Date Analyzed: 09/30/2016 21:18

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 249285 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	0.0019	U	0.0040	0.0019
93-72-1	Silvex (2,4,5-TP)	0.00027	U	0.0010	0.00027

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	55		41-130

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-TP-A64-PRE-EX | Lab Sample ID: 240-69767-61

Matrix: Solid (TCLP) | Lab File ID: P1093011.D

Analysis Method: 8151A | Date Collected: 09/20/2016 11:45

Extraction Method: 8151A | Date Extracted: 09/28/2016 13:56

Sample wt/vol: 100(mL) | Date Analyzed: 09/30/2016 21:18

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 249285 | Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	75		41-130

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: DR-TP-A64-PRE-EX
Lab Sample ID: 240-69767-61
Lab Name: TestAmerica Canton
Job No.: 240-69767-1
SDG ID.:
Matrix: Solid
Date Sampled: 09/20/2016 11:45
Reporting Basis: WET
Date Received: 09/21/2016 09:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	0.011	0.050	0.0033	mg/L	J		1	6010C
7440-39-3	Barium	0.66	0.50	0.0024	mg/L			1	6010C
7440-43-9	Cadmium	0.045	0.050	0.00029	mg/L	J		1	6010C
7440-47-3	Chromium	0.018	0.050	0.00055	mg/L	J	B	1	6010C
7439-92-1	Lead	0.21	0.050	0.0019	mg/L			1	6010C
7782-49-2	Selenium	0.0051	0.050	0.0051	mg/L	U		1	6010C
7440-22-4	Silver	0.00092	0.050	0.00092	mg/L	U		1	6010C
7439-97-6	Mercury	0.000090	0.0020	0.000090	mg/L	U		1	7470A

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DR-TP-A64-PRE-EX
Lab Sample ID: 240-69767-61
Lab Name: TestAmerica Canton
Job No.: 240-69767-1
SDG ID.:
Matrix: Solid
Date Sampled: 09/20/2016 11:45
Reporting Basis: WET
Date Received: 09/21/2016 09:15

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
	Flashpoint	>200	1.00	1.00	Degrees F			1	1010A

APPENDIX C

SUPPORT DOCUMENTATION

CASE NARRATIVE

Client: Tetra Tech, Inc.

Project: MSA Dump Road PCB Investigation

Report Number: 240-69767-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica 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 application 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.

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.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT
The samples were received on 9/21/2016 9:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.6º C and 1.6º C.

TCLP VOLATILE ORGANIC COMPOUNDS (GCMS)
Sample DR-TP-A64-PRE-EX (240-69767-61) was analyzed for TCLP volatile organic compounds (GCMS) in accordance with EPA SW-846 Methods 1311/8260B. The sample was leached on 09/22/2016 and analyzed on 09/23/2016.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOLATILE ORGANIC COMPOUNDS (GCMS)
Sample DR-TP-A64-PRE-EX (240-69767-61) was analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The samples were prepared and analyzed on 09/22/2016.

1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene and Naphthalene were detected in method blank MB 240-247907/7 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOLATILE ORGANIC COMPOUNDS (GCMS)
Sample TB-092016 (240-69767-62) was analyzed for volatile organic compounds (GCMS) in accordance with EPA SW-846 Method 8260B. The sample was analyzed on 09/28/2016.

2-Chloroethyl vinyl ether cannot be reliably recovered in an acid preserved sample: TB-092016 (240-69767-62).

The laboratory control sample (LCS) for analytical batch 240-248858 recovered outside control limits for multiple analytes: 1,1,1-Trichloroethane and Chloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported: TB-092016 (240-69767-62) and (LCS 240-248858/4).

The MS/MSD for batch 248858 was not analyzed due to an instrument malfunction. Batch included: TB-092016 (240-69767-62).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GCMS)
Sample DR-TP-A64-PRE-EX (240-69767-61) was analyzed for TCLP semivolatile organic compounds (GCMS) in accordance with EPA SW-846 Methods 1311/8270C. The sample was leached on 09/27/2016, prepared on 09/28/2016 and analyzed on 09/30/2016.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TCLP CHLORINATED PESTICIDES
Sample DR-TP-A64-PRE-EX (240-69767-61) was analyzed for TCLP chlorinated pesticides in accordance with EPA SW-846 Methods 1311/8081A. The sample was leached on 09/27/2016, prepared on 09/28/2016 and analyzed on 10/02/2016.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

POLYCHLORINATED BIPHENYLS (PCBS)
Samples DR-SB-250-0-3 (240-69767-1), DR-SB-250-24-27 (240-69767-2), DR-SB-250-48-51 (240-69767-3), DR-SB-250-72-75 (240-69767-4), DR-SB-250-96-99 (240-69767-5), DR-SB-250-120-123 (240-69767-6), DR-SB-250-144-145 (240-69767-7), DR-SB-251-0-3 (240-69767-8), DR-SB-251-24-27 (240-69767-9), DR-SB-251-48-51 (240-69767-10), DR-SB-251-72-75 (240-69767-11), DR-SB-251-96-99 (240-69767-12), DR-SB-251-120-123 (240-69767-13), DR-SB-251-144-145 (240-69767-14), DR-SB-252-0-3 (240-69767-15), DR-SB-252-24-27 (240-69767-16), DR-SB-252-48-51 (240-69767-17), DR-SB-252-72-75 (240-69767-18), DR-SB-252-96-99 (240-69767-19), DR-SB-252-120-123 (240-69767-20), DR-SB-252-144-145 (240-69767-21), DR-SB-253-0-3 (240-69767-22), DR-SB-253-24-27 (240-69767-23), DR-SB-253-48-51 (240-69767-24), DR-SB-253-72-75 (240-69767-25), DR-SB-253-96-99 (240-69767-26), DR-SB-253-120-123 (240-69767-27), DR-SB-253-144-145 (240-69767-28), DR-SB-254-0-3 (240-69767-29), DR-SB-254-24-27 (240-69767-30), DR-SB-254-48-51 (240-69767-31), DR-SB-254-72-75 (240-69767-32), DR-SB-255-0-3 (240-69767-33), DR-SB-255-24-27 (240-69767-34), DR-SB-255-48-51 (240-69767-35), DR-SB-255-72-75 (240-69767-36), DR-SB-255-96-99 (240-69767-37), DR-SB-255-120-123 (240-69767-38), DR-SB-255-144-145 (240-69767-39), DR-SB-256-0-3 (240-69767-40), DR-SB-256-24-27 (240-69767-41), DR-SB-256-48-51 (240-69767-42), DR-SB-256-72-75 (240-69767-43), DR-SB-256-96-99 (240-69767-44), DR-SB-256-120-123 (240-69767-45), DR-SB-256-144-145 (240-69767-46), DR-SB-257-0-3 (240-69767-47), DR-SB-257-24-27 (240-69767-48), DR-SB-257-48-51 (240-69767-49), DR-SB-257-72-75 (240-69767-50), DR-SB-257-96-99 (240-69767-51), DR-SB-257-120-123 (240-69767-52), DR-SB-257-144-145 (240-69767-53), DR-SB-258-0-3 (240-69767-54), DR-SB-258-24-27 (240-69767-55), DR-SB-258-48-51 (240-69767-56), DR-SB-258-72-75 (240-69767-57), DR-SB-258-96-99 (240-69767-58), DR-SB-258-120-123 (240-69767-59), DR-SB-258-144-145 (240-69767-60) and DR-TP-A64-PRE-EX (240-69767-61) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 09/22/2016, 09/23/2016 and 09/27/2016 and analyzed on 09/24/2016, 09/25/2016, 09/27/2016, 09/29/2016 and 10/02/2016.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required. All of the samples in this data set analyzed for PCBs were subjected to the sulfuric acid cleanup procedure before instrumental analysis, per EPA Method 3665A.

DCB Decachlorobiphenyl failed the surrogate recovery criteria high for DR-SB-252-24-27 (240-69767-16), DR-SB-253-24-27 (240-69767-23), DR-SB-255-72-75 (240-69767-36), DR-SB-255-120-123 (240-69767-38), DR-SB-255-144-145 (240-69767-39), DR-SB-257-144-145 (240-69767-53), and DR-SB-255-72-75MSD (240-69767-36MSD).

Samples DR-SB-255-96-99 (240-69767-37)[5X] and DR-SB-255-120-123 (240-69767-38)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: DR-SB-250-0-3 (240-69767-1), DR-SB-250-24-27 (240-69767-2), DR-SB-250-48-51 (240-69767-3), DR-SB-250-72-75 (240-69767-4), DR-SB-250-120-123 (240-69767-6), and DR-SB-250-144-145 (240-69767-7). Reagents: 2688696, 2103098, and 2719938,

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: DR-SB-251-48-51 (240-69767-10), DR-SB-251-72-75 (240-69767-11), DR-SB-251-96-99 (240-69767-12), DR-SB-251-120-123 (240-69767-13), DR-SB-251-144-145 (240-69767-14), DR-SB-252-0-3 (240-69767-15), DR-SB-252-24-27 (240-69767-16), DR-SB-252-48-51 (240-69767-17), DR-SB-252-72-75 (240-69767-18), DR-SB-252-96-99 (240-69767-19), DR-SB-252-120-123 (240-69767-20), DR-SB-252-144-145 (240-69767-21), DR-SB-253-0-3 (240-69767-22), DR-SB-253-24-27 (240-69767-23), DR-SB-253-48-51 (240-69767-24), DR-SB-253-72-75 (240-69767-25), DR-SB-253-96-99 (240-69767-26), DR-SB-253-120-123 (240-69767-27), (240-69767-B-27-B MS), (240-69767-B-27-C MSD), DR-SB-253-144-145 (240-69767-28), DR-SB-254-24-27 (240-69767-30), DR-SB-254-48-51 (240-69767-31), DR-SB-254-72-75 (240-69767-32), DR-SB-255-24-27 (240-69767-34), DR-SB-255-48-51 (240-69767-35), DR-SB-255-72-75 (240-69767-36), DR-SB-255-120-123 (240-69767-38), DR-SB-256-0-3 (240-69767-40), DR-SB-256-24-27 (240-69767-41), DR-SB-256-48-51 (240-69767-42), DR-SB-256-72-75 (240-69767-43), DR-SB-256-120-123 (240-69767-45), DR-SB-256-144-145 (240-69767-46), (240-69767-B-36-B MS), (240-69767-B-36-C MSD) and DR-SB-255-96-99 (240-69767-37). Reagents: 2688697, 2103100, and 2719942.

The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: DR-SB-257-72-75 (240-69767-50) and DR-SB-257-96-99 (240-69767-51). Reagents: 2710186, 2103100, and 2719942.

The following samples appear to contain polychlorinated biphenyls (PCBs); however, due to weathering or other environmental processes, the PCBs in the sample do not closely match any of the laboratory's Aroclor standards used for instrument calibration: DR-SB-250-120-123 (240-69767-6), DR-SB-250-144-145 (240-69767-7), DR-SB-252-24-27 (240-69767-16), DR-SB-252-120-123 (240-69767-20), DR-SB-253-24-27 (240-69767-23), DR-SB-255-48-51 (240-69767-35), DR-SB-255-72-75 (240-69767-36), DR-SB-255-144-145 (240-69767-39), and DR-SB-256-48-51 (240-69767-42). The samples have been quantified and reported as a mixture of Aroclors 1254 and 1260. Due to the poor match with the Aroclor standards, there is increased qualitative and quantitative uncertainty associated with this result.

The %RPD between the primary and confirmation column exceeded 40% for 1248, 1221, and 1254 for the following sample: DR-SB-250-120-123 (240-69767-6). The higher value has been reported and qualified in accordance with the laboratory's SOP.

The %RPD between the primary and confirmation column exceeded 40% for Aroclor 1254 for the following samples: DR-SB-252-48-51 (240-69767-17). The higher value has been reported and qualified in accordance with the laboratory's SOP.

The %RPD between the primary and confirmation column exceeded 40% for Aroclor 1254. for the following samples: DR-SB-255-96-99 (240-69767-37). Matrix interference with IS in the confirmation column is suspected. The higher value has been reported and qualified in accordance with the laboratory's SOP.

Two surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: DR-SB-252-24-27 (240-69767-16), DR-SB-253-24-27 (240-69767-23), DR-SB-255-72-75 (240-69767-36), DR-SB-255-144-145 (240-69767-39), (240-69767-B-36-C MSD), DR-SB-257-144-145 (240-69767-53). These results have been reported and qualified.

The Decachlorobiphenyl surrogate in the continuing calibration verification (CCV) failed criteria. The Aroclors in the opening CCV's passed criteria and all the samples passed surrogate. After careful evaluation the data is reported: DR-SB-253-72-75 (240-69767-25), DR-SB-253-96-99 (240-69767-26), DR-SB-253-120-123 (240-69767-27), (240-69767-B-27-B MS), and (240-69767-B-27-C MSD).

Internal standard (ISTD) response for the following sample exceeded the control limit on Column CLP-1 0.53mm ID: DR-SB-257-144-145 (240-69767-53). As such, the sample results associated with this ISTD were reported from the other column, which met ISTD acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TCLP CHLORINATED HERBICIDES

Sample DR-TP-A64-PRE-EX (240-69767-61) was analyzed for TCLP chlorinated herbicides in accordance with EPA SW-846 Methods 1311/8151A. The sample was leached on 09/27/2016, prepared on 09/28/2016 and analyzed on 09/30/2016.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TCLP METALS (ICP)

Sample DR-TP-A64-PRE-EX (240-69767-61) was analyzed for TCLP metals (ICP) in accordance with EPA SW-846 Methods 1311/6010C. The sample was leached on 09/27/2016, prepared on 09/28/2016 and analyzed on 09/29/2016.

Chromium was detected in method blank LB 240-248715/1-B at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

TCLP MERCURY

Sample DR-TP-A64-PRE-EX (240-69767-61) was analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The sample was leached on 09/27/2016, prepared on 09/28/2016 and analyzed on 09/29/2016.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

FLASHPOINT

Sample DR-TP-A64-PRE-EX (240-69767-61) was analyzed for flashpoint in accordance with EPA SW-846 Method 1010. The sample was analyzed on 09/29/2016.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

PERCENT SOLIDS

Samples DR-SB-250-0-3 (240-69767-1), DR-SB-250-24-27 (240-69767-2), DR-SB-250-48-51 (240-69767-3), DR-SB-250-72-75 (240-69767-4), DR-SB-250-96-99 (240-69767-5), DR-SB-250-120-123 (240-69767-6), DR-SB-250-144-145 (240-69767-7), DR-SB-251-0-3 (240-69767-8), DR-SB-251-24-27 (240-69767-9), DR-SB-251-48-51 (240-69767-10), DR-SB-251-72-75 (240-69767-11), DR-SB-251-96-99 (240-69767-12), DR-SB-251-120-123 (240-69767-13), DR-SB-251-144-145 (240-69767-14), DR-SB-252-0-3

(240-69767-15), DR-SB-252-24-27 (240-69767-16), DR-SB-252-48-51 (240-69767-17), DR-SB-252-72-75 (240-69767-18), DR-SB-252-96-99 (240-69767-19), DR-SB-252-120-123 (240-69767-20), DR-SB-252-144-145 (240-69767-21), DR-SB-253-0-3 (240-69767-22), DR-SB-253-24-27 (240-69767-23), DR-SB-253-48-51 (240-69767-24), DR-SB-253-72-75 (240-69767-25), DR-SB-253-96-99 (240-69767-26), DR-SB-253-120-123 (240-69767-27), DR-SB-253-144-145 (240-69767-28), DR-SB-254-0-3 (240-69767-29), DR-SB-254-24-27 (240-69767-30), DR-SB-254-48-51 (240-69767-31), DR-SB-254-72-75 (240-69767-32), DR-SB-255-0-3 (240-69767-33), DR-SB-255-24-27 (240-69767-34), DR-SB-255-48-51 (240-69767-35), DR-SB-255-72-75 (240-69767-36), DR-SB-255-96-99 (240-69767-37), DR-SB-255-120-123 (240-69767-38), DR-SB-255-144-145 (240-69767-39), DR-SB-256-0-3 (240-69767-40), DR-SB-256-24-27 (240-69767-41), DR-SB-256-48-51 (240-69767-42), DR-SB-256-72-75 (240-69767-43), DR-SB-256-96-99 (240-69767-44), DR-SB-256-120-123 (240-69767-45), DR-SB-256-144-145 (240-69767-46), DR-SB-257-0-3 (240-69767-47), DR-SB-257-24-27 (240-69767-48), DR-SB-257-48-51 (240-69767-49), DR-SB-257-72-75 (240-69767-50), DR-SB-257-96-99 (240-69767-51), DR-SB-257-120-123 (240-69767-52), DR-SB-257-144-145 (240-69767-53), DR-SB-258-0-3 (240-69767-54), DR-SB-258-24-27 (240-69767-55), DR-SB-258-48-51 (240-69767-56), DR-SB-258-72-75 (240-69767-57), DR-SB-258-96-99 (240-69767-58), DR-SB-258-120-123 (240-69767-59), DR-SB-258-144-145 (240-69767-60) and DR-TP-A64-PRE-EX (240-69767-61) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 09/22/2016.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
*	LCS or LCSD is outside acceptance limits.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
F2	MS/MSD RPD exceeds control limits
P	The %RPD between the primary and confirmation column/detector is >40%. The higher value has been reported

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method Summary

Client: Tetra Tech, Inc. TestAmerica Job ID: 240-69767-1
Project/Site: MSA Dump Road PCB Investigation

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CAN
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CAN
8081A	Organochlorine Pesticides (GC)	SW846	TAL CAN
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CAN
8151A	Herbicides (GC)	SW846	TAL CAN
6010C	Metals (ICP)	SW846	TAL CAN
7470A	Mercury (CVAA)	SW846	TAL CAN
1010A	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL CAN
Moisture	Percent Moisture	EPA	TAL CAN

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Dump Road PCB Investigation

TestAmerica Job ID: 240-69767-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-69767-1	DR-SB-250-0-3	Solid	09/19/16 09:30	09/21/16 09:15
240-69767-2	DR-SB-250-24-27	Solid	09/19/16 09:32	09/21/16 09:15
240-69767-3	DR-SB-250-48-51	Solid	09/19/16 09:35	09/21/16 09:15
240-69767-4	DR-SB-250-72-75	Solid	09/19/16 09:42	09/21/16 09:15
240-69767-5	DR-SB-250-96-99	Solid	09/19/16 09:45	09/21/16 09:15
240-69767-6	DR-SB-250-120-123	Solid	09/19/16 09:47	09/21/16 09:15
240-69767-7	DR-SB-250-144-145	Solid	09/19/16 09:50	09/21/16 09:15
240-69767-8	DR-SB-251-0-3	Solid	09/19/16 14:00	09/21/16 09:15
240-69767-9	DR-SB-251-24-27	Solid	09/19/16 14:03	09/21/16 09:15
240-69767-10	DR-SB-251-48-51	Solid	09/19/16 14:05	09/21/16 09:15
240-69767-11	DR-SB-251-72-75	Solid	09/19/16 14:07	09/21/16 09:15
240-69767-12	DR-SB-251-96-99	Solid	09/19/16 14:10	09/21/16 09:15
240-69767-13	DR-SB-251-120-123	Solid	09/19/16 14:12	09/21/16 09:15
240-69767-14	DR-SB-251-144-145	Solid	09/19/16 14:15	09/21/16 09:15
240-69767-15	DR-SB-252-0-3	Solid	09/20/16 09:50	09/21/16 09:15
240-69767-16	DR-SB-252-24-27	Solid	09/20/16 09:51	09/21/16 09:15
240-69767-17	DR-SB-252-48-51	Solid	09/20/16 09:52	09/21/16 09:15
240-69767-18	DR-SB-252-72-75	Solid	09/20/16 09:53	09/21/16 09:15
240-69767-19	DR-SB-252-96-99	Solid	09/20/16 09:54	09/21/16 09:15
240-69767-20	DR-SB-252-120-123	Solid	09/20/16 09:55	09/21/16 09:15
240-69767-21	DR-SB-252-144-145	Solid	09/20/16 09:56	09/21/16 09:15
240-69767-22	DR-SB-253-0-3	Solid	09/19/16 10:47	09/21/16 09:15
240-69767-23	DR-SB-253-24-27	Solid	09/19/16 10:50	09/21/16 09:15
240-69767-24	DR-SB-253-48-51	Solid	09/19/16 10:53	09/21/16 09:15
240-69767-25	DR-SB-253-72-75	Solid	09/19/16 10:55	09/21/16 09:15
240-69767-26	DR-SB-253-96-99	Solid	09/19/16 10:58	09/21/16 09:15
240-69767-27	DR-SB-253-120-123	Solid	09/19/16 11:00	09/21/16 09:15
240-69767-28	DR-SB-253-144-145	Solid	09/19/16 11:03	09/21/16 09:15
240-69767-29	DR-SB-254-0-3	Solid	09/19/16 14:40	09/21/16 09:15
240-69767-30	DR-SB-254-24-27	Solid	09/19/16 14:42	09/21/16 09:15
240-69767-31	DR-SB-254-48-51	Solid	09/19/16 14:45	09/21/16 09:15
240-69767-32	DR-SB-254-72-75	Solid	09/19/16 14:47	09/21/16 09:15
240-69767-33	DR-SB-255-0-3	Solid	09/20/16 10:40	09/21/16 09:15
240-69767-34	DR-SB-255-24-27	Solid	09/20/16 10:41	09/21/16 09:15
240-69767-35	DR-SB-255-48-51	Solid	09/20/16 10:42	09/21/16 09:15
240-69767-36	DR-SB-255-72-75	Solid	09/20/16 10:43	09/21/16 09:15
240-69767-37	DR-SB-255-96-99	Solid	09/20/16 10:44	09/21/16 09:15
240-69767-38	DR-SB-255-120-123	Solid	09/20/16 10:45	09/21/16 09:15
240-69767-39	DR-SB-255-144-145	Solid	09/20/16 10:46	09/21/16 09:15
240-69767-40	DR-SB-256-0-3	Solid	09/19/16 12:50	09/21/16 09:15
240-69767-41	DR-SB-256-24-27	Solid	09/19/16 12:53	09/21/16 09:15
240-69767-42	DR-SB-256-48-51	Solid	09/19/16 12:55	09/21/16 09:15
240-69767-43	DR-SB-256-72-75	Solid	09/19/16 12:57	09/21/16 09:15
240-69767-44	DR-SB-256-96-99	Solid	09/19/16 13:00	09/21/16 09:15
240-69767-45	DR-SB-256-120-123	Solid	09/19/16 13:02	09/21/16 09:15
240-69767-46	DR-SB-256-144-145	Solid	09/19/16 13:05	09/21/16 09:15
240-69767-47	DR-SB-257-0-3	Solid	09/20/16 08:50	09/21/16 09:15
240-69767-48	DR-SB-257-24-27	Solid	09/20/16 08:51	09/21/16 09:15
240-69767-49	DR-SB-257-48-51	Solid	09/20/16 08:52	09/21/16 09:15
240-69767-50	DR-SB-257-72-75	Solid	09/20/16 08:53	09/21/16 09:15
240-69767-51	DR-SB-257-96-99	Solid	09/20/16 08:54	09/21/16 09:15
240-69767-52	DR-SB-257-120-123	Solid	09/20/16 08:55	09/21/16 09:15
240-69767-53	DR-SB-257-144-145	Solid	09/20/16 08:56	09/21/16 09:15

Sample Summary

Client: Tetra Tech, Inc.
Project/Site: MSA Dump Road PCB Investigation

TestAmerica Job ID: 240-69767-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-69767-54	DR-SB-258-0-3	Solid	09/20/16 11:00	09/21/16 09:15
240-69767-55	DR-SB-258-24-27	Solid	09/20/16 11:01	09/21/16 09:15
240-69767-56	DR-SB-258-48-51	Solid	09/20/16 11:02	09/21/16 09:15
240-69767-57	DR-SB-258-72-75	Solid	09/20/16 11:03	09/21/16 09:15
240-69767-58	DR-SB-258-96-99	Solid	09/20/16 11:04	09/21/16 09:15
240-69767-59	DR-SB-258-120-123	Solid	09/20/16 11:05	09/21/16 09:15
240-69767-60	DR-SB-258-144-145	Solid	09/20/16 11:06	09/21/16 09:15
240-69767-61	DR-TP-A64-PRE-EX	Solid	09/20/16 11:45	09/21/16 09:15
240-69767-62	TB-092016	Water	09/20/16 00:00	09/21/16 09:15

0.2/C0.6
1.2/C1.6

180325

BALTIMORE

North Canton
4101 Shuffel Street, N. W.
North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Michael Martin	Site Contact: Stu Cameron	Date: 9/20/2016	COC No:
Tetra Tech	Tel/Fax: 410-707-5259 (cell)	Lab Contact: John McFadden	Carrier: Fedex	1 of 6 COCs
20251 Century Blvd, Suite 200	Analysis Turnaround Time			Job No. 112IC07809
Germantown, MD 20874	Calendar (C) or Work Days (W) C			
(301) 528-3021 Phone	TAT if different from Below: 15 DAYS			SDG No.
(301) 528-3000 FAX	☐ 2 weeks			
Project Name: Dump Road PCB Investigation	☐ 1 week			
Site: Dump Road Area, Martin State Airport, Maryland	☐ 2 days			Sampler: Stuart Cameron
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	PCBs Method 8082A	TCLP VOCs Method 8260C	TCLP SVOCs Method 8270D	TCLP Metals (6010B, 7470/7471A)	TCLP Herb/Pest Method 8081A/8151A	Ignitability (Method 1010A or 1030)	Sample Specific Notes:
DR-SB-250-0-3	9/19/2016	0930	Grab	SED	1		x						
DR-SB-250-24-27	9/19/2016	0932	Grab	SED	1		x						
DR-SB-250-48-51	9/19/2016	0935	Grab	SED	1		x						
DR-SB-250-72-75	9/19/2016	0942	Grab	SED	1		x						
DR-SB-250-96-99	9/19/2016	0945	Grab	SED	1		x						
DR-SB-250-120-123	9/19/2016	0947	Grab	SED	1		x						
DR-SB-250-144-145	9/19/2016	0950	Grab	SED	1		x						
DR-SB-251-0-3	9/19/2016	1400	Grab	SED	1		x						
DR-SB-251-24-27	9/19/2016	1403	Grab	SED	1		x						
DR-SB-251-48-51	9/19/2016	1405	Grab	SED	1		x						
DR-SB-251-72-75	9/19/2016	1407	Grab	SED	1		x						
DR-SB-251-96-99	9/19/2016	1410	Grab	SED	1		x						
							1						

249-69767 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other MeOH

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

Special Instructions/QC Requirements & Comments: ~~DISSOLVED METALS FILTERED IN FIELD~~ DC

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Tetra Tech	9-20-16/1400		TA	9/20/16 1400
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TA	9/20/16/1600		JAC	09/21/16 915
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 2, dated 03/06/2012

180325

North Canton
4101 Shuffel Street, N. W.
North Canton, OH 44720
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BALTIMORE

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Michael Martin	Site Contact: Stu Cameron	Date: 9/ /2016	COC No:
Tetra Tech	Tel/Fax: 410-707-5259 (cell)	Lab Contact: John McFadden	Carrier: Fedex	1 of 6 COCs
20251 Century Blvd, Suite 200	Analysis Turnaround Time			Job No. 112IC07809
Germantown, MD 20874	Calendar (C) or Work Days (W) C			
(301) 528-3021 Phone	TAT if different from Below: 15 DAYS			SDG No.
(301) 528-3000 FAX	☐ 2 weeks			
Project Name: Dump Road PCB Investigation	☐ 1 week			Sampler: Stuart Cameron
Site: Dump Road Area, Martin State Airport, Maryland	☐ 2 days			
PO #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	PCBs Method 8082A	TCLP VOCs Method 8260C	TCLP SVOCs Method 8270D	TCLP Metals (6010B, 7470/7471A)	TCLP Herb/Pest Method 8081A/8151A	Ignitability (Method 1010A or 1030)	Sample Specific Notes:
DR-SB-251-120-123	9/19/2016	1412	Grab	SED	1		x						
DR-SB-251-144-145	9/19/2016	1415	Grab	SED	1		x						
DR-SB-252-0-3	9/20/2016	0950	Grab	SED	1		x						
DR-SB-252-24-27	9/20/2016	0951	Grab	SED	1		x						
DR-SB-252-48-51	9/20/2016	0952	Grab	SED	1		x						
DR-SB-252-72-75	9/20/2016	0953	Grab	SED	1		x						
DR-SB-252-96-99	9/20/2016	0954	Grab	SED	1		x						
DR-SB-252-120-123	9/20/2016	0955	Grab	SED	1		x						
DR-SB-252-144-145	9/20/2016	0956	Grab	SED	1		x						
DR-SB-253-0-3	9/19/2016	1047	Grab	SED	1		x						
DR-SB-253-24-27	9/19/2016	1050	Grab	SED	1		x						
DR-SB-253-48-51	9/19/2016	1053	Grab	SED	1		x						
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other MeOH							1						

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

Special Instructions/QC Requirements & Comments: ~~DISSOLVED METALS FILTERED IN FIELD~~ SK

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Tetra Tech	9-20-16/1400		TA	9/20/16 /1400
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TA	9/20/16/1600		TAL	09/21/16 915
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 2, dated 03/06/2012

180325

North Canton
4101 Shuffel Street, N. W.
North Canton, OH 44720
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TIMORE

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Michael Martin	Site Contact: Stu Cameron	Date: 9/ /2016	COC No.
Tetra Tech	Tel/Fax: 410-707-5259 (cell)	Lab Contact: John McFadden	Carrier: Fedex	3 of 6 COCs
20251 Century Blvd, Suite 200	Analysis Turnaround Time			Job No. 112IC07809
Germantown, MD 20874	Calendar (C) or Work Days (W) C			
(301) 528-3021 Phone	TAT if different from Below: 15 DAYS			SDG No.
(301) 528-3000 FAX	☐ 2 weeks			
Project Name: Dump Road PCB Investigation	☐ 1 week			
Site: Dump Road Area, Martin State Airport, Maryland	☐ 2 days			Sampler: Stuart Cameron
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	PCBs Method 8082A	TCLP VOCs Method 8260C	TCLP SVOCs Method 8270D	TCLP Metals (6010B, 7470/7471A)	TCLP Herb/Pest Method 8081A/8151A	Ignitability (Method 1010A or 1030)	Sample Specific Notes:
DR-SB-253-72-75	9/19/2016	1055	Grab	SED	1		x						
DR-SB-253-96-99	9/19/2016	1058	Grab	SED	1		x						
DR-SB-253-120-123	9/19/2016	1100	Grab	SED	1		x						
DR-SB-253-144-145	9/19/2016	1103	Grab	SED	1		x						
DR-SB-254-0-3	9/19/2016	1440	Grab	SED	1		x						
DR-SB-254-24-27	9/19/2016	1442	Grab	SED	1		x						
DR-SB-254-48-51	9/19/2016	1445	Grab	SED	1		x						
DR-SB-254-72-75	9/19/2016	1447	Grab	SED	1		x						
~~DR-SB-254-96-99~~	~~9/19/2016~~		Grab	SED	1		x						MC No Sample
~~DR-SB-254-120-123~~	~~9/19/2016~~		Grab	SED	1		x						MC No Sample
~~DR-SB-254-144-145~~	~~9/19/2016~~		Grab	SED	1		x						MC No Sample
DR-SB-255-0-3	9/20/2016	1040	Grab	SED	1		x						
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other MeOH							1						

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

Special Instructions/QC Requirements & Comments: ~~DISSOLVED METALS FILTERED IN FIELD~~ MC

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Tetra Tech	9-20-16/1400		TA	9/20/16 /1400
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TA	9/20/16/1600		TAC	09/21/16 915
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 2, dated 03/06/2012

180325

BALTIMORE

North Canton
4101 Shuffel Street, N. W.
North Canton, OH 44720
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Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Michael Martin	Site Contact: Stu Cameron	Date: 9/ /2016	COC No:
Tetra Tech	Tel/Fax: 410-707-5259 (cell)	Lab Contact: John McFadden	Carrier: Fedex	4 of 6 COCs
20251 Century Blvd, Suite 200	**Analysis Turnaround Time**			Job No. 112IC07809
Germantown, MD 20874	Calendar (C) or Work Days (W) C			
(301) 528-3021 Phone	TAT if different from Below: 15 DAYS			SDG No.
(301) 528-3000 FAX	☐ 2 weeks			
Project Name: Dump Road PCB Investigation	☐ 1 week			
Site: Dump Road Area, Martin State Airport, Maryland	☐ 2 days			Sampler: Stuart Cameron
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	PCBs Method 8082A	TCLP VOCs Method 8260C	TCLP SVOCs Method 8270D	TCLP Metals (6010B, 7470/7471A)	TCLP Herb/Pest Method 8081A/8151A	Ignitability (Method 1010A or 1020)	Sample Specific Notes:
DR-SB-255-24-27	9/20/2016	1041	Grab	SED	1		x						
DR-SB-255-48-51	9/20/2016	1042	Grab	SED	1		x						
DR-SB-255-72-75	9/20/2016	1043	Grab	SED	1		x						
DR-SB-255-96-99	9/20/2016	1044	Grab	SED	1		x						
DR-SB-255-120-123	9/20/2016	1045	Grab	SED	1		x						
DR-SB-255-144-145	9/20/2016	1046	Grab	SED	1		x						
DR-SB-256-0-3	9/19/2016	1250	Grab	SED	1		x						
DR-SB-256-24-27	9/19/2016	1253	Grab	SED	1		x						
DR-SB-256-48-51	9/19/2016	1255	Grab	SED	1		x						
DR-SB-256-72-75	9/19/2016	1257	Grab	SED	1		x						
DR-SB-256-96-99	9/19/2016	1300	Grab	SED	1		x						
DR-SB-256-120-123	9/19/2016	1302	Grab	SED	1		x						
							1						

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other MeOH

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

Special Instructions/QC Requirements & Comments: DISSOLVED METALS FILTERED IN FIELD

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Tetra Tech	9-20-16/1400		TA	9/20/16 / 1400
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TA	9/20/16/1600		TAC	09/21/16 915
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 2, dated 03/06/2012

North Canton
4101 Shuffel Street, N. W.

North Canton, OH 44720
phone 330.497.9396 fax 330.497.0772

180325

BALTIMORE

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Michael Martin	Site Contact: Stu Cameron	Date: 9/ /2016	COC No:
Tetra Tech	Tel/Fax: 410-707-5259 (cell)	Lab Contact: John McFadden	Carrier: Fedex	5 of 6 COCs
20251 Century Blvd, Suite 200	Analysis Turnaround Time			Job No. 112IC07809
Germantown, MD 20874	Calendar (C) or Work Days (W) C			
(301) 528-3021 Phone	TAT if different from Below: 15 DAYS			SDG No.
(301) 528-3000 FAX	☐ 2 weeks			
Project Name: Dump Road PCB Investigation	☐ 1 week			
Site: Dump Road Area, Martin State Airport, Maryland	☐ 2 days			Sampler: Stuart Cameron
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	PCBs Method 8082A	TCLP VOCs Method 8260C	TCLP SVOCs Method 8270D	TCLP Metals (6010B, 7470/7471A)	TCLP Herb/Pest Method 8081A/8151A	Ignitability (Method 1010A or 1030)	Sample Specific Notes:
DR-SB-256-144-145	9/19/2016	1305	Grab	SED	1		x						
DR-SB-257-0-3	9/20/2016	0850	Grab	SED	1		x						
DR-SB-257-24-27	9/20/2016	0851	Grab	SED	1		x						
DR-SB-257-48-51	9/20/2016	0852	Grab	SED	1		x						
DR-SB-257-72-75	9/20/2016	0853	Grab	SED	1		x						
DR-SB-257-96-99	9/20/2016	0854	Grab	SED	1		x						
DR-SB-257-120-123	9/20/2016	0855	Grab	SED	1		x						
DR-SB-257-144-145	9/20/2016	0856	Grab	SED	1		x						
DR-SB-258-0-3	9/20/2016	1100	Grab	SED	1		x						
DR-SB-258-24-27	9/20/2016	1101	Grab	SED	1		x						
DR-SB-258-48-51	9/20/2016	1102	Grab	SED	1		x						
DR-SB-258-72-75	9/20/2016	1103	Grab	SED	1		x						
							1						

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other MeOH

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*

Special Instructions/QC Requirements & Comments: DISSOLVED METALS FILTERED IN FIELD

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Tetra Tech	9/20/16/1400		TA	9/20/16 / 1400
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TA	9/20/16/1600		TAL	09/21/16 915
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 2, dated 03/06/2012

180325

TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Phone (330) 497-9396 Fax (330) 497-0772

Chain of Custody Record

BALTIMORE

TestAmerica

Client Information	Sampler: Stu Camera	Lab PM: McFadden, John	Carrier Tracking No(s):	COC No: 240-37365-16369.1
Client Contact: Tony Apanavage	Phone: (703) 342-8389	E-Mail: john.mcfadden@testamericainc.com		Page: Page 6 of 6
Company: Tetra Tech, Inc.		Analysis Requested		Job #:
Address: 20251 Century Blvd Suite 200	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Germantown	TAT Requested (days): 15 day			
State, Zip: MD, 20874				
Phone: 301-233-6230(Tel)	PO #: 1120880			
Email: Tony.Apanavage@tetratech.com	WO #: 112IC07533			
Project Name: Martin State Airport, Taxiway Tango PCB	Project #: 24015851			
Site:	SSOW#:			Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8082A, Moisture	TCLP VOCs (8260C)	Total VOCs	TCLP SVOCs (8270D)	TCLP Metals (6010B, 7470/7471A)	TCLP Herb/Pest (8081A/8151A)	Ignitability (1010A or 1030)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N								
DR-SB-258-96-99	9-20-16	1104	G	Solid			1								
DR-SB-258-120-123	9-20-16	1105	G	Solid			1								
DR-SB-258-144-145	9-20-16	1106	G	Solid			1								
DR-TP-A64-Pre-Ex	9-20-16	1145	C	Solid			X	1	1	X	X	X	X		*1-4oz jar for TCLP VOCs
TB-092016	—	—	—	~~AG~~ Solid					2						1-4oz jar for Total VOCs
				Solid											2-16oz jar for the rest
				Solid											of the analysis ("X" identified
				Solid											on this COC)
				Solid											
				Solid											
				Solid											

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time	Company		Date/Time	Company
Relinquished by:	9-20-16 / 1400	Tetra Tech	Received by:	9/20/16 / 1400	TA
Relinquished by:	9/20/16 / 1600	TA	Received by:	09/21/16 915	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

TestAmerica Canton Sample Receipt Form/Narrative **Login # : 69767**
Canton Facility

Client Tetra Tech Site Name _____ Cooler unpacked by: DSD

Cooler Received on 09/21/16 Opened on 09/21/16

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

Receipt After-hours: Drop-off Date/Time _____ Storage Location _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt ☒ See Multiple Cooler Form
   IR GUN# IR-8 (CF +0.4 °C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
   IR GUN #36 (CF +1.3°C) Observed Cooler Temp._____°C Corrected Cooler Temp._____°C
2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 1 each Yes No
   -Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
   -Were custody seals on the bottle(s) or bottle kits (LLHg/MeHg)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Was/were the person(s) who collected the samples clearly identified on the COC? Yes No
7. Did all bottles arrive in good condition (Unbroken)? Yes No
8. Could all bottle labels be reconciled with the COC? Yes No
9. Were correct bottle(s) used for the test(s) indicated? Yes No
10. Sufficient quantity received to perform indicated analyses? Yes No
11. Are these work share samples? Yes No
    If yes, Questions 11-15 have been checked at the originating laboratory.
11. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# **HC574756**
12. Were VOAs on the COC? Yes No
13. Were air bubbles >6 mm in any VOA vials? Yes No NA
14. Was a VOA trip blank present in the cooler(s)? Trip Blank Lot #_____ Yes No
15. Was a LL Hg or Me Hg trip blank present? _____ Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES Samples processed by:

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 the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

TestAmerica Multiple Cooler Receipt Form/Narrative Login # : 69767
Canton Facility

Cooler #	IR Gun #	Observed Temp °C	Corrected Temp °C	Coolant
Client	8	0.2	0.6	Ice
b	08	1.2	1.6	b

Method 8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab File ID: BFB4965.D BFB Injection Date: 09/02/2016

Instrument ID: A3UX16 BFB Injection Time: 17:51

Analysis Batch No.: 245430

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.2	
75	30.0 - 60.0 % of mass 95	45.7	
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	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	72.6	
175	5.0 - 9.0 % of mass 174	5.3	(7.3) 1
176	95.0 - 101.0 % of mass 174	71.8	(99.0) 1
177	5.0 - 9.0 % of mass 176	4.8	(6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-245430/6	UXM7645.D	09/02/2016	18:19
	STD8260 240-245430/7	UXM7646.D	09/02/2016	18:42
	STD8260 240-245430/8	UXM7647.D	09/02/2016	19:05
	ICIS 240-245430/9	UXM7648.D	09/02/2016	19:28
	STD8260 240-245430/10	UXM7649.D	09/02/2016	19:51
	STD8260 240-245430/11	UXM7650.D	09/02/2016	20:14
	ICV 240-245430/20	UXM7659.D	09/02/2016	23:42

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245430

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/02/2016 18:19 Calibration End Date: 09/02/2016 20:14 Calibration ID: 35911

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-245430/6	UXM7645.D
Level 2	STD8260 240-245430/7	UXM7646.D
Level 3	STD8260 240-245430/8	UXM7647.D
Level 4	ICIS 240-245430/9	UXM7648.D
Level 5	STD8260 240-245430/10	UXM7649.D
Level 6	STD8260 240-245430/11	UXM7650.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.2964 0.2824	0.2784	0.3055	0.2471	0.2588	Ave		0.2781				7.9		15.0			
Chloromethane	0.3944 0.3913	0.3679	0.3925	0.3634	0.3807	Ave		0.3817			0.1000	3.5		15.0			
Vinyl chloride	0.3796 0.3692	0.3253	0.3671	0.3375	0.3532	Ave		0.3553				5.8		15.0			
Butadiene	0.3938 0.3354	0.3134	0.3433	0.3036	0.3151	Ave		0.3341				9.8		15.0			
Bromomethane	0.2170 0.1835	0.1898	0.1955	0.1783	0.1769	Ave		0.1902				7.8		15.0			
Chloroethane	0.2032 0.2183	0.2061	0.2212	0.2047	0.2110	Ave		0.2108				3.6		15.0			
Dichlorofluoromethane	0.5256 0.5090	0.4876	0.5140	0.4759	0.4851	Ave		0.4995				3.9		15.0			
Trichlorofluoromethane	0.3608 0.3425	0.3166	0.3571	0.3107	0.3198	Ave		0.3346				6.5		15.0			
Ethyl ether	0.2097 0.1966	0.1851	0.1936	0.1878	0.1909	Ave		0.1940				4.5		15.0			
Acrolein	0.0343 0.0281	0.0310	0.0272	0.0261	0.0277	Ave		0.0291				10.4		15.0			
1,1-Dichloroethene	0.2174 0.2511	0.2288	0.2410	0.2430	0.2488	Ave		0.2383				5.4		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.1603	0.1431	0.1520	0.1487	0.1523	Ave		0.1513				4.1		15.0			
Acetone	+++++ 0.0427	0.1213	0.0526	0.0493	0.0438	Lin1	0.1652	0.0423							0.9990		0.9900
Iodomethane	0.3734 0.3925	0.3921	0.4056	0.3872	0.3881	Ave		0.3898				2.7		15.0			
Carbon disulfide	0.9225 0.9229	0.8595	0.9086	0.8777	0.8985	Ave		0.8983				2.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245430

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/02/2016 18:19 Calibration End Date: 09/02/2016 20:14 Calibration ID: 35911

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
3-Chloro-1-propene	0.1651 0.1876	0.1603	0.1796	0.1722	0.1799	Ave		0.1741				5.9		15.0			
Methyl acetate	0.1336 0.1144	0.1074	0.1096	0.1084	0.1103	Ave		0.1139				8.7		15.0			
Methylene Chloride	+++++ 0.3064	0.6659	0.3423	0.3090	0.3043	Lin1	0.3695	0.2975							1.0000		0.9900
2-Methyl-2-propanol	0.0131 0.0131	0.0114	0.0115	0.0119	0.0121	Ave		0.0122				6.2		15.0			
Acrylonitrile	0.0606 0.0614	0.0603	0.0584	0.0568	0.0592	Ave		0.0594				2.8		15.0			
trans-1,2-Dichloroethene	0.2852 0.3013	0.2721	0.2954	0.2898	0.2961	Ave		0.2900				3.6		15.0			
Methyl tert-butyl ether	0.6621 0.6927	0.6761	0.6835	0.6560	0.6608	Ave		0.6719				2.2		15.0			
Hexane	0.2884 0.2770	0.2866	0.2484	0.2532	0.2649	Ave		0.2697				6.3		15.0			
1,1-Dichloroethane	0.4903 0.5264	0.4734	0.5134	0.4983	0.5133	Ave		0.5025			0.1000	3.8		15.0			
Vinyl acetate	0.3776 0.3676	0.3456	0.3600	0.3514	0.3608	Ave		0.3605				3.2		15.0			
cis-1,2-Dichloroethene	0.3248 0.3150	0.3032	0.3041	0.3002	0.3099	Ave		0.3095				3.0		15.0			
2,2-Dichloropropane	0.3336 0.3825	0.3662	0.3884	0.3740	0.3730	Ave		0.3696				5.2		15.0			
2-Butanone (MEK)	0.0724 0.0599	0.0632	0.0596	0.0587	0.0584	Ave		0.0621				8.6		15.0			
Chlorobromomethane	0.1290 0.1268	0.1205	0.1233	0.1201	0.1243	Ave		0.1240				2.8		15.0			
Tetrahydrofuran	+++++ 0.0428	0.0379	0.0412	0.0399	0.0411	Ave		0.0406				4.5		15.0			
Chloroform	0.4798 0.4729	0.4386	0.4534	0.4511	0.4582	Ave		0.4590				3.3		15.0			
1,1,1-Trichloroethane	0.3081 0.4024	0.3439	0.3766	0.3901	0.3952	Ave		0.3694				9.9		15.0			
Cyclohexane	0.3409 0.4530	0.3931	0.4085	0.4161	0.4371	Ave		0.4081				9.6		15.0			
1,1-Dichloropropene	0.3206 0.3859	0.3208	0.3535	0.3628	0.3693	Ave		0.3522				7.5		15.0			
Carbon tetrachloride	0.2145 0.3285	0.2708	0.2976	0.3060	0.3192	Ave		0.2894				14.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245430

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/02/2016 18:19 Calibration End Date: 09/02/2016 20:14 Calibration ID: 35911

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isobutyl alcohol	0.0045 0.0039	0.0035	0.0035	0.0036	0.0036	Ave		0.0038				10.2		15.0			
Benzene	1.2117 1.2123	1.1128	1.1716	1.1460	1.1847	Ave		1.1732				3.3		15.0			
1,2-Dichloroethane	0.3202 0.3105	0.2996	0.3009	0.3011	0.3023	Ave		0.3058				2.6		15.0			
n-Heptane	+++++ 0.1244	0.7151	0.1654	0.1390	0.1274	Lin1	0.5948	0.1125							0.9990		0.9900
Trichloroethene	0.2741 0.2841	0.2542	0.2732	0.2827	0.2792	Ave		0.2746				4.0		15.0			
Methylcyclohexane	0.3442 0.3840	0.3491	0.3405	0.3507	0.3686	Ave		0.3562				4.7		15.0			
1,2-Dichloropropane	0.2636 0.2758	0.2631	0.2685	0.2627	0.2692	Ave		0.2672				1.9		15.0			
Dibromomethane	0.1306 0.1193	0.1154	0.1181	0.1173	0.1200	Ave		0.1201				4.5		15.0			
1,4-Dioxane	+++++ 0.0013	+++++	0.0010	0.0011	0.0012	Ave		0.0011				9.9		15.0			
Dichlorobromomethane	0.3324 0.3308	0.3027	0.3176	0.3127	0.3278	Ave		0.3207				3.7		15.0			
2-Chloroethyl vinyl ether	0.1142 0.1191	0.1056	0.1114	0.1131	0.1227	Ave		0.1143				5.3		15.0			
cis-1,3-Dichloropropene	0.4252 0.4292	0.3840	0.4230	0.4125	0.4258	Ave		0.4166				4.1		15.0			
4-Methyl-2-pentanone (MIBK)	0.1371 0.1420	0.1262	0.1351	0.1336	0.1378	Ave		0.1353				3.9		15.0			
Toluene	1.7512 1.7872	1.5727	1.7282	1.6984	1.7218	Ave		1.7099				4.3		15.0			
trans-1,3-Dichloropropene	0.4907 0.4905	0.4258	0.4585	0.4597	0.4779	Ave		0.4672				5.3		15.0			
Ethyl methacrylate	0.3199 0.3566	0.3152	0.3330	0.3238	0.3474	Ave		0.3327				4.9		15.0			
1,1,2-Trichloroethane	0.2737 0.2588	0.2294	0.2537	0.2468	0.2540	Ave		0.2527				5.8		15.0			
1,3-Dichloropropane	0.4673 0.4810	0.4784	0.4775	0.4691	0.4856	Ave		0.4765				1.5		15.0			
Tetrachloroethene	0.2611 0.2926	0.2648	0.2726	0.2768	0.2850	Ave		0.2755				4.3		15.0			
2-Hexanone	0.1223 0.1259	0.1205	0.1170	0.1194	0.1226	Ave		0.1213				2.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245430

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/02/2016 18:19 Calibration End Date: 09/02/2016 20:14 Calibration ID: 35911

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorodibromomethane	0.2666 0.2982	0.2415	0.2769	0.2750	0.2867	Ave		0.2742				7.0		15.0			
Ethylene Dibromide	0.2402 0.2480	0.2338	0.2359	0.2320	0.2392	Ave		0.2382				2.4		15.0			
Chlorobenzene	1.1963 1.1143	1.0283	1.0882	1.0620	1.0871	Ave		1.0960			0.3000	5.2		15.0			
1,1,1,2-Tetrachloroethane	0.3154 0.3735	0.3379	0.3512	0.3485	0.3531	Ave		0.3466				5.5		15.0			
Ethylbenzene	0.5329 0.6219	0.5215	0.5871	0.5872	0.6053	Ave		0.5760				7.0		15.0			
m-Xylene & p-Xylene	0.6942 0.7581	0.6718	0.7389	0.7300	0.7403	Ave		0.7222				4.5		15.0			
o-Xylene	0.7531 0.7776	0.6703	0.7605	0.7368	0.7361	Ave		0.7391				5.0		15.0			
Styrene	1.1185 1.2977	1.0691	1.2198	1.1980	1.2501	Ave		1.1922				7.1		15.0			
Bromoform	0.1372 0.1558	0.1159	0.1429	0.1384	0.1451	Ave		0.1392			0.1000	9.5		15.0			
Isopropylbenzene	1.6297 1.9023	1.5616	1.7557	1.7736	1.7736	Ave		1.7327				7.0		15.0			
1,1,2,2-Tetrachloroethane	0.5692 0.5674	0.5407	0.5634	0.5573	0.5661	Ave		0.5607			0.3000	1.9		15.0			
Bromobenzene	0.8058 0.8109	0.7520	0.7926	0.7636	0.8087	Ave		0.7889				3.2		15.0			
1,2,3-Trichloropropane	0.1324 0.1639	0.1034	0.1609	0.1598	0.1638	Lin1	-0.031	0.1638							1.0000		0.9900
trans-1,4-Dichloro-2-butene	+++++ 0.1641	0.1320	0.1506	0.1487	0.1568	Ave		0.1504				7.9		15.0			
N-Propylbenzene	0.7978 0.9271	0.7609	0.8868	0.8787	0.9235	Ave		0.8625				7.9		15.0			
2-Chlorotoluene	0.8312 0.8160	0.7192	0.7894	0.7888	0.8057	Ave		0.7917				4.9		15.0			
1,3,5-Trimethylbenzene	2.6432 2.9051	2.3806	2.7635	2.7988	2.8501	Ave		2.7236				7.0		15.0			
4-Chlorotoluene	0.9315 0.8526	0.7597	0.8365	0.8251	0.8497	Ave		0.8425				6.6		15.0			
tert-Butylbenzene	2.1944 2.3365	1.9618	2.1840	2.2589	2.2838	Ave		2.2032				6.0		15.0			
1,2,4-Trimethylbenzene	3.0717 3.0699	2.6361	2.9096	2.9217	2.9663	Ave		2.9292				5.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245430

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/02/2016 18:19 Calibration End Date: 09/02/2016 20:14 Calibration ID: 35911

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
sec-Butylbenzene	2.9529 3.2166	2.5454	2.9398	3.0428	3.1243	Ave		2.9703				7.8		15.0			
1,3-Dichlorobenzene	1.8134 1.5999	1.5519	1.5482	1.5704	1.5551	Ave		1.6065				6.4		15.0			
4-Isopropyltoluene	2.6759 2.8186	2.3165	2.5826	2.6836	2.7180	Ave		2.6325				6.6		15.0			
1,4-Dichlorobenzene	1.9186 1.5931	1.5778	1.5767	1.5533	1.5671	Ave		1.6311				8.7		15.0			
n-Butylbenzene	2.4226 2.2797	1.8931	2.0729	2.1667	2.2237	Ave		2.1764				8.3		15.0			
1,2-Dichlorobenzene	1.6093 1.4624	1.3677	1.4397	1.4140	1.4259	Ave		1.4532				5.7		15.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.0926	0.0585	0.0810	0.0873	0.0880	Lin1	-0.039	0.0907							0.9990		0.9900
1,2,4-Trichlorobenzene	1.1622 0.7731	0.6890	0.7259	0.7368	0.7653	Lin1	0.0951	0.7581							0.9990		0.9900
Hexachlorobutadiene	+++++ 0.2920	0.3142	0.2602	0.2694	0.2924	Ave		0.2856				7.5		15.0			
Naphthalene	2.0934 1.7538	1.4478	1.5379	1.5801	1.6693	Ave		1.6804				13.6		15.0			
1,2,3-Trichlorobenzene	0.9661 0.6502	0.5768	0.6227	0.6314	0.6337	Lin1	0.0808	0.6372							0.9990		0.9900
Dibromofluoromethane (Surr)	0.2038 0.2452	0.2227	0.2225	0.2387	0.2402	Ave		0.2289				6.8		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2364 0.2580	0.2230	0.2369	0.2570	0.2561	Ave		0.2446				5.9		15.0			
Toluene-d8 (Surr)	1.4326 1.5541	1.3434	1.3971	1.5040	1.5171	Ave		1.4580				5.5		15.0			
4-Bromofluorobenzene (Surr)	0.5715 0.5667	0.4653	0.5109	0.5567	0.5503	Ave		0.5369				7.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245430

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/02/2016 18:19 Calibration End Date: 09/02/2016 20:14 Calibration ID: 35911

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-245430/6	UXM7645.D
Level 2	STD8260 240-245430/7	UXM7646.D
Level 3	STD8260 240-245430/8	UXM7647.D
Level 4	ICIS 240-245430/9	UXM7648.D
Level 5	STD8260 240-245430/10	UXM7649.D
Level 6	STD8260 240-245430/11	UXM7650.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	7523 853105	13751	154829	251372	521260	0.500 60.0	1.00	10.0	20.0	40.0
Chloromethane	FB	Ave	10008 1181916	18175	198954	369691	766875	0.500 60.0	1.00	10.0	20.0	40.0
Vinyl chloride	FB	Ave	9634 1115105	16071	186050	343381	711508	0.500 60.0	1.00	10.0	20.0	40.0
Butadiene	FB	Ave	9994 1013157	15483	174019	308833	634633	0.500 60.0	1.00	10.0	20.0	40.0
Bromomethane	FB	Ave	5506 554208	9378	99092	181390	356276	0.500 60.0	1.00	10.0	20.0	40.0
Chloroethane	FB	Ave	5158 659381	10179	112135	208215	425081	0.500 60.0	1.00	10.0	20.0	40.0
Dichlorofluoromethane	FB	Ave	13339 1537534	24088	260522	484168	977064	0.500 60.0	1.00	10.0	20.0	40.0
Trichlorofluoromethane	FB	Ave	9156 1034413	15640	181007	316095	644209	0.500 60.0	1.00	10.0	20.0	40.0
Ethyl ether	FB	Ave	5321 593848	9146	98153	191097	384576	0.500 60.0	1.00	10.0	20.0	40.0
Acrolein	FB	Ave	4355 424932	7651	68995	132865	279390	2.50 300	5.00	50.0	100	200
1,1-Dichloroethene	FB	Ave	5516 758417	11304	122182	247185	501119	0.500 60.0	1.00	10.0	20.0	40.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 484331	7069	77066	151258	306772	+++++ 60.0	1.00	10.0	20.0	40.0
Acetone	FB	Lin1	+++++ 258127	11981	53357	100311	176530	+++++ 120	2.00	20.0	40.0	80.0
Iodomethane	FB	Ave	9477 1185618	19368	205597	393872	781684	0.500 60.0	1.00	10.0	20.0	40.0
Carbon disulfide	FB	Ave	23411 2787477	42457	460537	892879	1809775	0.500 60.0	1.00	10.0	20.0	40.0
3-Chloro-1-propene	FB	Ave	4190 566754	7921	91024	175205	362330	0.500 60.0	1.00	10.0	20.0	40.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245430

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/02/2016 18:19 Calibration End Date: 09/02/2016 20:14 Calibration ID: 35911

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Methyl acetate	FB	Ave	16948 1727021	26530	277806	551163	1110434	2.50 300	5.00	50.0	100	200
Methylene Chloride	FB	Lin1	+++++ 925375	32896	173509	314346	612844	+++++ 60.0	1.00	10.0	20.0	40.0
2-Methyl-2-propanol	FB	Ave	3325 395539	5637	58313	121140	243176	5.00 600	10.0	100	200	400
Acrylonitrile	FB	Ave	15374 1853994	29776	295958	577946	1193211	5.00 600	10.0	100	200	400
trans-1,2-Dichloroethene	FB	Ave	7237 910191	13441	149734	294780	596495	0.500 60.0	1.00	10.0	20.0	40.0
Methyl tert-butyl ether	FB	Ave	16802 2092270	33400	346466	667322	1331005	0.500 60.0	1.00	10.0	20.0	40.0
Hexane	FB	Ave	7318 836591	14160	125900	257581	533483	0.500 60.0	1.00	10.0	20.0	40.0
1,1-Dichloroethane	FB	Ave	12442 1589882	23386	260219	506966	1033883	0.500 60.0	1.00	10.0	20.0	40.0
Vinyl acetate	FB	Ave	9583 1110328	17071	182452	357507	726705	0.500 60.0	1.00	10.0	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	8243 951589	14979	154142	305424	624121	0.500 60.0	1.00	10.0	20.0	40.0
2,2-Dichloropropane	FB	Ave	8465 1155275	18088	196855	380420	751196	0.500 60.0	1.00	10.0	20.0	40.0
2-Butanone (MEK)	FB	Ave	3674 361763	6246	60461	119512	235391	1.00 120	2.00	20.0	40.0	80.0
Chlorobromomethane	FB	Ave	3273 382939	5954	62481	122207	250390	0.500 60.0	1.00	10.0	20.0	40.0
Tetrahydrofuran	FB	Ave	+++++ 258316	3745	41799	81171	165693	+++++ 120	2.00	20.0	40.0	80.0
Chloroform	FB	Ave	12176 1428250	21668	229820	458943	922878	0.500 60.0	1.00	10.0	20.0	40.0
1,1,1-Trichloroethane	FB	Ave	7819 1215453	16989	190898	396852	795960	0.500 60.0	1.00	10.0	20.0	40.0
Cyclohexane	FB	Ave	8652 1368363	19418	207056	423279	880403	0.500 60.0	1.00	10.0	20.0	40.0
1,1-Dichloropropene	FB	Ave	8136 1165728	15845	179197	369048	743915	0.500 60.0	1.00	10.0	20.0	40.0
Carbon tetrachloride	FB	Ave	5444 992122	13376	150830	311276	642845	0.500 60.0	1.00	10.0	20.0	40.0
Isobutyl alcohol	FB	Ave	2844 298014	4271	44616	92642	180842	12.5 1500	25.0	250	500	1000
Benzene	FB	Ave	30752 3661852	54973	593839	1165842	2386277	0.500 60.0	1.00	10.0	20.0	40.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245430

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/02/2016 18:19 Calibration End Date: 09/02/2016 20:14 Calibration ID: 35911

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2-Dichloroethane	FB	Ave	8125 938005	14799	152502	306271	608925	0.500 60.0	1.00	10.0	20.0	40.0
n-Heptane	FB	Lin1	+++++ 375839	35327	83821	141362	256678	+++++ 60.0	1.00	10.0	20.0	40.0
Trichloroethene	FB	Ave	6956 858104	12557	138458	287608	562337	0.500 60.0	1.00	10.0	20.0	40.0
Methylcyclohexane	FB	Ave	8735 1159985	17246	172604	356755	742475	0.500 60.0	1.00	10.0	20.0	40.0
1,2-Dichloropropane	FB	Ave	6690 833142	12996	136100	267293	542271	0.500 60.0	1.00	10.0	20.0	40.0
Dibromomethane	FB	Ave	3314 360471	5701	59851	119288	241742	0.500 60.0	1.00	10.0	20.0	40.0
1,4-Dioxane	FB	Ave	+++++ 76212	+++++	10310	21652	47695	+++++ 1200	+++++	200	400	800
Dichlorobromomethane	FB	Ave	8437 999322	14951	160964	318075	660310	0.500 60.0	1.00	10.0	20.0	40.0
2-Chloroethyl vinyl ether	FB	Ave	5794 719737	10431	112884	230080	494412	1.00 120	2.00	20.0	40.0	80.0
cis-1,3-Dichloropropene	FB	Ave	10790 1296316	18968	214391	419680	857708	0.500 60.0	1.00	10.0	20.0	40.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	6958 857708	12467	136923	271852	555095	1.00 120	2.00	20.0	40.0	80.0
Toluene	CBNZ d5	Ave	31133 3816588	55749	626743	1232800	2531999	0.500 60.0	1.00	10.0	20.0	40.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	8723 1047424	15094	166264	333649	702828	0.500 60.0	1.00	10.0	20.0	40.0
Ethyl methacrylate	CBNZ d5	Ave	5687 761447	11173	120762	235058	510917	0.500 60.0	1.00	10.0	20.0	40.0
1,1,2-Trichloroethane	CBNZ d5	Ave	4865 552567	8130	92010	179120	373570	0.500 60.0	1.00	10.0	20.0	40.0
1,3-Dichloropropane	CBNZ d5	Ave	8308 1027251	16958	173173	340520	714119	0.500 60.0	1.00	10.0	20.0	40.0
Tetrachloroethene	CBNZ d5	Ave	4641 624796	9385	98871	200949	419063	0.500 60.0	1.00	10.0	20.0	40.0
2-Hexanone	CBNZ d5	Ave	4349 537585	8543	84868	173402	360611	1.00 120	2.00	20.0	40.0	80.0
Chlorodibromomethane	CBNZ d5	Ave	4740 636823	8561	100434	199602	421557	0.500 60.0	1.00	10.0	20.0	40.0
Ethylene Dibromide	CBNZ d5	Ave	4271 529565	8286	85538	168437	351742	0.500 60.0	1.00	10.0	20.0	40.0
Chlorobenzene	CBNZ d5	Ave	21267 2379580	36451	394653	770889	1598603	0.500 60.0	1.00	10.0	20.0	40.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245430

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/02/2016 18:19 Calibration End Date: 09/02/2016 20:14 Calibration ID: 35911

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	5608 797603	11978	127381	252939	519219	0.500 60.0	1.00	10.0	20.0	40.0
Ethylbenzene	CBNZ d5	Ave	9474 1328105	18485	212906	426215	890140	0.500 60.0	1.00	10.0	20.0	40.0
m-Xylene & p-Xylene	CBNZ d5	Ave	12342 1618824	23815	267971	529919	1088657	0.500 60.0	1.00	10.0	20.0	40.0
o-Xylene	CBNZ d5	Ave	13388 1660662	23761	275788	534851	1082466	0.500 60.0	1.00	10.0	20.0	40.0
Styrene	CBNZ d5	Ave	19884 2771203	37898	442378	869593	1838358	0.500 60.0	1.00	10.0	20.0	40.0
Bromoform	CBNZ d5	Ave	2439 332626	4109	51827	100453	213366	0.500 60.0	1.00	10.0	20.0	40.0
Isopropylbenzene	CBNZ d5	Ave	28972 4062481	55355	636731	1287409	2608077	0.500 60.0	1.00	10.0	20.0	40.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	5325 652252	9970	107547	210721	425024	0.500 60.0	1.00	10.0	20.0	40.0
Bromobenzene	DCBd 4	Ave	7538 932194	13865	151298	288716	607200	0.500 60.0	1.00	10.0	20.0	40.0
1,2,3-Trichloropropane	DCBd 4	Lin1	1239 188391	1907	30717	60401	122998	0.500 60.0	1.00	10.0	20.0	40.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 188602	2433	28756	56228	117743	+++++ 60.0	1.00	10.0	20.0	40.0
N-Propylbenzene	DCBd 4	Ave	7463 1065878	14029	169269	332236	693417	0.500 60.0	1.00	10.0	20.0	40.0
2-Chlorotoluene	DCBd 4	Ave	7776 938112	13260	150678	298240	604951	0.500 60.0	1.00	10.0	20.0	40.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	24727 3339843	43893	527519	1058183	2140028	0.500 60.0	1.00	10.0	20.0	40.0
4-Chlorotoluene	DCBd 4	Ave	8714 980146	14007	159671	311962	638008	0.500 60.0	1.00	10.0	20.0	40.0
tert-Butylbenzene	DCBd 4	Ave	20528 2686102	36172	416891	854069	1714775	0.500 60.0	1.00	10.0	20.0	40.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	28735 3529310	48604	555409	1104631	2227231	0.500 60.0	1.00	10.0	20.0	40.0
sec-Butylbenzene	DCBd 4	Ave	27624 3697907	46932	561161	1150431	2345885	0.500 60.0	1.00	10.0	20.0	40.0
1,3-Dichlorobenzene	DCBd 4	Ave	16964 1839346	28614	295529	593740	1167633	0.500 60.0	1.00	10.0	20.0	40.0
4-Isopropyltoluene	DCBd 4	Ave	25032 3240360	42712	492976	1014632	2040838	0.500 60.0	1.00	10.0	20.0	40.0
1,4-Dichlorobenzene	DCBd 4	Ave	17948 1831491	29092	300973	587284	1176698	0.500 60.0	1.00	10.0	20.0	40.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245430

SDG No.:

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/02/2016 18:19 Calibration End Date: 09/02/2016 20:14 Calibration ID: 35911

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
n-Butylbenzene	DCBd 4	Ave	22663 2620807	34905	395682	819187	1669676	0.500 60.0	1.00	10.0	20.0	40.0
1,2-Dichlorobenzene	DCBd 4	Ave	15055 1681236	25217	274819	534603	1070643	0.500 60.0	1.00	10.0	20.0	40.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Lin1	+++++ 106502	1078	15462	33010	66054	+++++ 60.0	1.00	10.0	20.0	40.0
1,2,4-Trichlorobenzene	DCBd 4	Lin1	10872 888813	12703	138572	278556	574630	0.500 60.0	1.00	10.0	20.0	40.0
Hexachlorobutadiene	DCBd 4	Ave	+++++ 335653	5794	49676	101851	219545	+++++ 60.0	1.00	10.0	20.0	40.0
Naphthalene	DCBd 4	Ave	19583 2016259	26694	293564	597404	1253409	0.500 60.0	1.00	10.0	20.0	40.0
1,2,3-Trichlorobenzene	DCBd 4	Lin1	9038 747481	10635	118862	238727	475806	0.500 60.0	1.00	10.0	20.0	40.0
Dibromofluoromethane (Surr)	FB	Ave	5173 740719	10999	112793	242855	483883	0.500 60.0	1.00	10.0	20.0	40.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	5999 779157	11018	120090	261493	515818	0.500 60.0	1.00	10.0	20.0	40.0
Toluene-d8 (Surr)	CBNZ d5	Ave	25468 3318698	47620	506688	1091734	2230907	0.500 60.0	1.00	10.0	20.0	40.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	10160 1210196	16495	185268	404107	809182	0.500 60.0	1.00	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245430/20 Calibration Date: 09/02/2016 23:42

Instrument ID: A3UX16 Calib Start Date: 09/02/2016 18:19

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/02/2016 20:14

Lab File ID: UXM7659.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2781	0.2946		0.0212	0.0200	5.9	50.0
Chloromethane	Ave	0.3817	0.3579	0.1000	0.0188	0.0200	-6.2	50.0
Vinyl chloride	Ave	0.3553	0.3449		0.0194	0.0200	-2.9	20.0
Bromomethane	Ave	0.1902	0.1762		0.0185	0.0200	-7.4	50.0
Chloroethane	Ave	0.2108	0.2032		0.0193	0.0200	-3.6	50.0
Dichlorofluoromethane	Ave	0.4995	0.4743		0.0190	0.0200	-5.1	50.0
Trichlorofluoromethane	Ave	0.3346	0.3314		0.0198	0.0200	-0.9	50.0
Ethyl ether	Ave	0.1940	0.1870		0.0193	0.0200	-3.6	50.0
Acrolein	Ave	0.0291	0.0285		0.0980	0.100	-2.0	50.0
1,1-Dichloroethene	Ave	0.2383	0.2532		0.0212	0.0200	6.2	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1513	0.1743		0.0230	0.0200	15.2	50.0
Acetone	Lin1		0.0445		0.0382	0.0400	-4.4	50.0
Iodomethane	Ave	0.3898	0.4036		0.0207	0.0200	3.5	50.0
Carbon disulfide	Ave	0.8983	0.9347		0.0208	0.0200	4.1	50.0
3-Chloro-1-propene	Ave	0.1741	0.1764		0.0203	0.0200	1.3	50.0
Methyl acetate	Ave	0.1139	0.1106		0.0971	0.100	-2.9	50.0
Methylene Chloride	Lin1		0.3001		0.0189	0.0200	-5.3	50.0
2-Methyl-2-propanol	Ave	0.0122	0.0117		0.192	0.200	-4.2	50.0
Acrylonitrile	Ave	0.0594	0.0593		0.199	0.200	-0.3	50.0
trans-1,2-Dichloroethene	Ave	0.2900	0.2902		0.0200	0.0200	0.0	50.0
Methyl tert-butyl ether	Ave	0.6719	0.6606		0.0197	0.0200	-1.7	50.0
Hexane	Ave	0.2697	0.3269		0.0242	0.0200	21.2*	20.0
1,1-Dichloroethane	Ave	0.5025	0.4762	0.1000	0.0190	0.0200	-5.2	50.0
Vinyl acetate	Ave	0.3605	0.3574		0.0198	0.0200	-0.9	50.0
2,2-Dichloropropane	Ave	0.3696	0.3605		0.0195	0.0200	-2.4	50.0
cis-1,2-Dichloroethene	Ave	0.3095	0.2971		0.0192	0.0200	-4.0	50.0
2-Butanone (MEK)	Ave	0.0621	0.0596		0.0384	0.0400	-4.0	50.0
Chlorobromomethane	Ave	0.1240	0.1178		0.0190	0.0200	-5.0	50.0
Tetrahydrofuran	Ave	0.0406	0.0406		0.0400	0.0400	-0.0	50.0
Chloroform	Ave	0.4590	0.4308		0.0188	0.0200	-6.1	20.0
1,1,1-Trichloroethane	Ave	0.3694	0.3778		0.0205	0.0200	2.3	50.0
Cyclohexane	Ave	0.4081	0.4727		0.0232	0.0200	15.8	50.0
1,1-Dichloropropene	Ave	0.3522	0.3663		0.0208	0.0200	4.0	50.0
Carbon tetrachloride	Ave	0.2894	0.3133		0.0216	0.0200	8.2	50.0
Isobutyl alcohol	Ave	0.0038	0.0035		0.467	0.500	-6.6	50.0
Benzene	Ave	1.173	1.123		0.0191	0.0200	-4.3	50.0
1,2-Dichloroethane	Ave	0.3058	0.2978		0.0195	0.0200	-2.6	50.0
n-Heptane	Lin1		0.1689		0.0247	0.0200	23.7	50.0
Trichloroethene	Ave	0.2746	0.2737		0.0199	0.0200	-0.3	50.0
Methylcyclohexane	Ave	0.3562	0.3978		0.0223	0.0200	11.7	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245430/20 Calibration Date: 09/02/2016 23:42

Instrument ID: A3UX16 Calib Start Date: 09/02/2016 18:19

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/02/2016 20:14

Lab File ID: UXM7659.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloropropane	Ave	0.2672	0.2647		0.0198	0.0200	-0.9	20.0
Dibromomethane	Ave	0.1201	0.1171		0.0195	0.0200	-2.5	50.0
1,4-Dioxane	Ave	0.0011	0.0009		0.309	0.400	-22.9	50.0
Dichlorobromomethane	Ave	0.3207	0.3032		0.0189	0.0200	-5.5	50.0
2-Chloroethyl vinyl ether	Ave	0.1143	0.1155		0.0202	0.0200	1.0	50.0
cis-1,3-Dichloropropene	Ave	0.4166	0.4069		0.0195	0.0200	-2.3	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1353	0.1405		0.0415	0.0400	3.9	50.0
Toluene	Ave	1.710	1.667		0.0195	0.0200	-2.5	20.0
trans-1,3-Dichloropropene	Ave	0.4672	0.4393		0.0188	0.0200	-6.0	50.0
Ethyl methacrylate	Ave	0.3327	0.3487		0.0210	0.0200	4.8	50.0
1,1,2-Trichloroethane	Ave	0.2527	0.2490		0.0197	0.0200	-1.5	50.0
1,3-Dichloropropane	Ave	0.4765	0.4654		0.0195	0.0200	-2.3	50.0
Tetrachloroethene	Ave	0.2755	0.2793		0.0203	0.0200	1.4	50.0
2-Hexanone	Ave	0.1213	0.1249		0.0412	0.0400	2.9	50.0
Chlorodibromomethane	Ave	0.2742	0.2707		0.0197	0.0200	-1.3	50.0
Ethylene Dibromide	Ave	0.2382	0.2432		0.0204	0.0200	2.1	50.0
Chlorobenzene	Ave	1.096	1.020	0.3000	0.0186	0.0200	-6.9	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3466	0.3334		0.0192	0.0200	-3.8	50.0
Ethylbenzene	Ave	0.5760	0.5612		0.0195	0.0200	-2.6	20.0
m-Xylene & p-Xylene	Ave	0.7222	0.7013		0.0194	0.0200	-2.9	50.0
o-Xylene	Ave	0.7391	0.6910		0.0187	0.0200	-6.5	50.0
Styrene	Ave	1.192	1.151		0.0193	0.0200	-3.5	50.0
Bromoform	Ave	0.1392	0.1448	0.1000	0.0208	0.0200	4.0	50.0
Isopropylbenzene	Ave	1.733	1.698		0.0196	0.0200	-2.0	50.0
1,1,2,2-Tetrachloroethane	Ave	0.5607	0.5729	0.3000	0.0204	0.0200	2.2	50.0
Bromobenzene	Ave	0.7889	0.7696		0.0195	0.0200	-2.5	50.0
1,2,3-Trichloropropane	Lin1		0.1684		0.0207	0.0200	3.7	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1504	0.1489		0.0198	0.0200	-1.0	50.0
N-Propylbenzene	Ave	0.8625	0.8636		0.0200	0.0200	0.1	50.0
2-Chlorotoluene	Ave	0.7917	0.7546		0.0191	0.0200	-4.7	50.0
1,3,5-Trimethylbenzene	Ave	2.724	2.643		0.0194	0.0200	-3.0	50.0
4-Chlorotoluene	Ave	0.8425	0.8074		0.0192	0.0200	-4.2	50.0
tert-Butylbenzene	Ave	2.203	2.122		0.0193	0.0200	-3.7	50.0
1,2,4-Trimethylbenzene	Ave	2.929	2.756		0.0188	0.0200	-5.9	50.0
sec-Butylbenzene	Ave	2.970	2.894		0.0195	0.0200	-2.6	50.0
1,3-Dichlorobenzene	Ave	1.606	1.477		0.0184	0.0200	-8.1	50.0
4-Isopropyltoluene	Ave	2.633	2.522		0.0192	0.0200	-4.2	50.0
1,4-Dichlorobenzene	Ave	1.631	1.505		0.0185	0.0200	-7.7	50.0
n-Butylbenzene	Ave	2.176	1.997		0.0183	0.0200	-8.3	50.0
1,2-Dichlorobenzene	Ave	1.453	1.383		0.0190	0.0200	-4.8	50.0
1,2-Dibromo-3-Chloropropane	Lin1		0.0939		0.0211	0.0200	5.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245430/20 Calibration Date: 09/02/2016 23:42

Instrument ID: A3UX16 Calib Start Date: 09/02/2016 18:19

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/02/2016 20:14

Lab File ID: UXM7659.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trichlorobenzene	Lin1		0.7127		0.0187	0.0200	-6.6	50.0
Hexachlorobutadiene	Ave	0.2856	0.2529		0.0177	0.0200	-11.5	50.0
Naphthalene	Ave	1.680	1.646		0.0196	0.0200	-2.0	50.0
1,2,3-Trichlorobenzene	Lin1		0.5985		0.0187	0.0200	-6.7	50.0
Dibromofluoromethane (Surr)	Ave	0.2289	0.2051		0.0179	0.0200	-10.4	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2446	0.2213		0.0181	0.0200	-9.5	50.0
Toluene-d8 (Surr)	Ave	1.458	1.318		0.0181	0.0200	-9.6	50.0
4-Bromofluorobenzene (Surr)	Ave	0.5369	0.4819		0.0179	0.0200	-10.3	50.0

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab File ID: BFB4983.D BFB Injection Date: 09/23/2016

Instrument ID: A3UX16 BFB Injection Time: 15:57

Analysis Batch No.: 248231

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.9	
75	30.0 - 60.0 % of mass 95	47.1	
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	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	65.7	
175	5.0 - 9.0 % of mass 174	4.8	(7.3) 1
176	95.0 - 101.0 % of mass 174	62.6	(95.2) 1
177	5.0 - 9.0 % of mass 176	4.1	(6.5) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-248231/3	UXM8059.D	09/23/2016	16:24
	CCV 240-248231/6	UXM8062.D	09/23/2016	17:34
	LB 240-248076/1-A	UXM8068.D	09/23/2016	19:53
	LCS 240-248231/13	UXM8069.D	09/23/2016	20:16
DR-TP-A64-PRE-EX	240-69767-61	UXM8076.D	09/23/2016	23:10

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCVIS 240-248231/3 Calibration Date: 09/23/2016 16:24

Instrument ID: A3UX16 Calib Start Date: 09/02/2016 18:19

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/02/2016 20:14

Lab File ID: UXM8059.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2781	0.2784		0.0200	0.0200	0.1	50.0
Chloromethane	Ave	0.3817	0.3537	0.1000	0.0185	0.0200	-7.3	50.0
Vinyl chloride	Ave	0.3553	0.3423		0.0193	0.0200	-3.7	20.0
Bromomethane	Ave	0.1902	0.1819		0.0191	0.0200	-4.4	50.0
Chloroethane	Ave	0.2108	0.2028		0.0192	0.0200	-3.8	50.0
Dichlorofluoromethane	Ave	0.4995	0.4566		0.0183	0.0200	-8.6	50.0
Trichlorofluoromethane	Ave	0.3346	0.3473		0.0208	0.0200	3.8	50.0
Ethyl ether	Ave	0.1940	0.1760		0.0181	0.0200	-9.3	50.0
Acrolein	Ave	0.0291	0.0209		0.0717	0.100	-28.3	50.0
1,1-Dichloroethene	Ave	0.2383	0.2517		0.0211	0.0200	5.6	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1513	0.1784		0.0236	0.0200	17.9	50.0
Acetone	Lin1		0.0439		0.0376	0.0400	-5.9	50.0
Iodomethane	Ave	0.3898	0.4019		0.0206	0.0200	3.1	50.0
Carbon disulfide	Ave	0.8983	0.8641		0.0192	0.0200	-3.8	50.0
3-Chloro-1-propene	Ave	0.1741	0.1855		0.0213	0.0200	6.5	50.0
Methyl acetate	Ave	0.1139	0.0985		0.0864	0.100	-13.6	50.0
Methylene Chloride	Lin1		0.3183		0.0202	0.0200	0.8	50.0
2-Methyl-2-propanol	Ave	0.0122	0.0108		0.178	0.200	-11.2	50.0
Acrylonitrile	Ave	0.0594	0.0550		0.185	0.200	-7.5	50.0
trans-1,2-Dichloroethene	Ave	0.2900	0.3044		0.0210	0.0200	5.0	50.0
Methyl tert-butyl ether	Ave	0.6719	0.6012		0.0179	0.0200	-10.5	50.0
Hexane	Ave	0.2697	0.3152		0.0234	0.0200	16.8	20.0
1,1-Dichloroethane	Ave	0.5025	0.5364	0.1000	0.0213	0.0200	6.7	50.0
Vinyl acetate	Ave	0.3605	0.3164		0.0176	0.0200	-12.2	50.0
cis-1,2-Dichloroethene	Ave	0.3095	0.3245		0.0210	0.0200	4.8	50.0
2,2-Dichloropropane	Ave	0.3696	0.3984		0.0216	0.0200	7.8	50.0
2-Butanone (MEK)	Ave	0.0621	0.0581		0.0375	0.0400	-6.3	50.0
Chlorobromomethane	Ave	0.1240	0.1272		0.0205	0.0200	2.6	50.0
Tetrahydrofuran	Ave	0.0406	0.0351		0.0346	0.0400	-13.6	50.0
Chloroform	Ave	0.4590	0.4772		0.0208	0.0200	4.0	20.0
1,1,1-Trichloroethane	Ave	0.3694	0.4027		0.0218	0.0200	9.0	50.0
Cyclohexane	Ave	0.4081	0.4865		0.0238	0.0200	19.2	50.0
1,1-Dichloropropene	Ave	0.3522	0.4003		0.0227	0.0200	13.7	50.0
Carbon tetrachloride	Ave	0.2894	0.3393		0.0234	0.0200	17.2	50.0
Isobutyl alcohol	Ave	0.0038	0.0035		0.458	0.500	-8.4	50.0
Benzene	Ave	1.173	1.218		0.0208	0.0200	3.8	50.0
1,2-Dichloroethane	Ave	0.3058	0.2825		0.0185	0.0200	-7.6	50.0
n-Heptane	Lin1		0.1581		0.0228	0.0200	14.1	50.0
Trichloroethene	Ave	0.2746	0.2991		0.0218	0.0200	8.9	50.0
Methylcyclohexane	Ave	0.3562	0.4130		0.0232	0.0200	15.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCVIS 240-248231/3 Calibration Date: 09/23/2016 16:24

Instrument ID: A3UX16 Calib Start Date: 09/02/2016 18:19

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/02/2016 20:14

Lab File ID: UXM8059.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloropropane	Ave	0.2672	0.2739		0.0205	0.0200	2.5	20.0
Dibromomethane	Ave	0.1201	0.1135		0.0189	0.0200	-5.5	50.0
Dichlorobromomethane	Ave	0.3207	0.3120		0.0195	0.0200	-2.7	50.0
2-Chloroethyl vinyl ether	Ave	0.1143	0.1043		0.0365	0.0400	-8.8	50.0
cis-1,3-Dichloropropene	Ave	0.4166	0.4134		0.0198	0.0200	-0.8	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1353	0.1165		0.0344	0.0400	-13.9	50.0
Toluene	Ave	1.710	1.811		0.0212	0.0200	5.9	20.0
trans-1,3-Dichloropropene	Ave	0.4672	0.4444		0.0190	0.0200	-4.9	50.0
Ethyl methacrylate	Ave	0.3327	0.3061		0.0184	0.0200	-8.0	50.0
1,1,2-Trichloroethane	Ave	0.2527	0.2403		0.0190	0.0200	-4.9	50.0
1,3-Dichloropropane	Ave	0.4765	0.4581		0.0192	0.0200	-3.9	50.0
Tetrachloroethene	Ave	0.2755	0.3292		0.0239	0.0200	19.5	50.0
2-Hexanone	Ave	0.1213	0.1127		0.0372	0.0400	-7.1	50.0
Chlorodibromomethane	Ave	0.2742	0.2722		0.0199	0.0200	-0.7	50.0
Ethylene Dibromide	Ave	0.2382	0.2231		0.0187	0.0200	-6.3	50.0
Chlorobenzene	Ave	1.096	1.121	0.3000	0.0205	0.0200	2.3	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3466	0.3683		0.0213	0.0200	6.3	50.0
Ethylbenzene	Ave	0.5760	0.6217		0.0216	0.0200	7.9	20.0
m-Xylene & p-Xylene	Ave	0.7222	0.7717		0.0214	0.0200	6.8	50.0
o-Xylene	Ave	0.7391	0.7710		0.0209	0.0200	4.3	50.0
Styrene	Ave	1.192	1.238		0.0208	0.0200	3.8	50.0
Bromoform	Ave	0.1392	0.1341	0.1000	0.0193	0.0200	-3.7	50.0
Isopropylbenzene	Ave	1.733	1.854		0.0214	0.0200	7.0	50.0
1,1,2,2-Tetrachloroethane	Ave	0.5607	0.4974	0.3000	0.0177	0.0200	-11.3	50.0
Bromobenzene	Ave	0.7889	0.8125		0.0206	0.0200	3.0	50.0
1,2,3-Trichloropropane	Lin1		0.1447		0.0179	0.0200	-10.7	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1504	0.1141		0.0152	0.0200	-24.2	50.0
N-Propylbenzene	Ave	0.8625	0.9461		0.0219	0.0200	9.7	50.0
2-Chlorotoluene	Ave	0.7917	0.8266		0.0209	0.0200	4.4	50.0
1,3,5-Trimethylbenzene	Ave	2.724	2.936		0.0216	0.0200	7.8	50.0
4-Chlorotoluene	Ave	0.8425	0.8631		0.0205	0.0200	2.4	50.0
tert-Butylbenzene	Ave	2.203	2.350		0.0213	0.0200	6.7	50.0
1,2,4-Trimethylbenzene	Ave	2.929	3.005		0.0205	0.0200	2.6	50.0
sec-Butylbenzene	Ave	2.970	3.187		0.0215	0.0200	7.3	50.0
1,3-Dichlorobenzene	Ave	1.606	1.609		0.0200	0.0200	0.1	50.0
4-Isopropyltoluene	Ave	2.633	2.772		0.0211	0.0200	5.3	50.0
1,4-Dichlorobenzene	Ave	1.631	1.616		0.0198	0.0200	-0.9	50.0
n-Butylbenzene	Ave	2.176	2.239		0.0206	0.0200	2.9	50.0
1,2-Dichlorobenzene	Ave	1.453	1.443		0.0199	0.0200	-0.7	50.0
1,2-Dibromo-3-Chloropropane	Lin1		0.0747		0.0169	0.0200	-15.5	50.0
1,2,4-Trichlorobenzene	Lin1		0.7465		0.0196	0.0200	-2.2	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCVIS 240-248231/3 Calibration Date: 09/23/2016 16:24

Instrument ID: A3UX16 Calib Start Date: 09/02/2016 18:19

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/02/2016 20:14

Lab File ID: UXM8059.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobutadiene	Ave	0.2856	0.2976		0.0208	0.0200	4.2	50.0
Naphthalene	Ave	1.680	1.390		0.0165	0.0200	-17.3	50.0
1,2,3-Trichlorobenzene	Lin1		0.6031		0.0188	0.0200	-6.0	50.0
Dibromofluoromethane (Surr)	Ave	0.2289	0.2077		0.0181	0.0200	-9.3	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2446	0.2001		0.0164	0.0200	-18.2	50.0
Toluene-d8 (Surr)	Ave	1.458	1.360		0.0187	0.0200	-6.7	50.0
4-Bromofluorobenzene (Surr)	Ave	0.5369	0.4755		0.0177	0.0200	-11.4	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCVIS 240-248231/3 Calibration Date: 09/23/2016 16:24

Instrument ID: A3UX16 Calib Start Date: 09/06/2016 18:05

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/06/2016 20:18

Lab File ID: UXM8059.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.0011	0.0013		0.480	0.400	20.1	50.0

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab File ID: BFB1120.D BFB Injection Date: 06/06/2016

Instrument ID: A3UX17 BFB Injection Time: 16:10

Analysis Batch No.: 233328

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.1	
75	30.0 - 60.0 % of mass 95	46.6	
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	50.0 - 120.00 % of mass 95	92.0	
175	5.0 - 9.0 % of mass 174	6.4	(6.9) 1
176	95.0 - 101.0 % of mass 174	90.8	(98.8) 1
177	5.0 - 9.0 % of mass 176	6.1	(6.7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-233328/2	UXR2588.D	06/06/2016	17:07
	STD8260 240-233328/3	UXR2589.D	06/06/2016	17:29
	STD8260 240-233328/4	UXR2590.D	06/06/2016	17:52
	STD8260 240-233328/5	UXR2591.D	06/06/2016	18:14
	STD8260 240-233328/6	UXR2592.D	06/06/2016	18:36
	STD8260 240-233328/7	UXR2593.D	06/06/2016	18:59
	ICV 240-233328/8	UXR2594.D	06/06/2016	19:21
	STDA9 240-233328/9	UXR2595.D	06/06/2016	19:44
	STDA9 240-233328/10	UXR2596.D	06/06/2016	20:06
	STDA9 240-233328/11	UXR2597.D	06/06/2016	20:28
	STDA9 240-233328/12	UXR2598.D	06/06/2016	20:51
	STDA9 240-233328/13	UXR2599.D	06/06/2016	21:13
	STDA9 240-233328/14	UXR2600.D	06/06/2016	21:36
	ICV 240-233328/15	UXR2601.D	06/06/2016	21:58

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 233328

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2016 17:07 Calibration End Date: 06/06/2016 18:59 Calibration ID: 34729

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-233328/7	UXR2593.D
Level 2	STD8260 240-233328/6	UXR2592.D
Level 3	STD8260 240-233328/5	UXR2591.D
Level 4	STD8260 240-233328/4	UXR2590.D
Level 5	STD8260 240-233328/3	UXR2589.D
Level 6	STD8260 240-233328/2	UXR2588.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.4005 0.3808	0.3267	0.3535	0.3293	0.3451	Ave		0.3560				8.2		15.0			
Chloromethane	0.3447 0.3112	0.2932	0.2856	0.2910	0.3132	Ave		0.3065			0.1000	7.1		15.0			
Vinyl chloride	0.3114 0.2841	0.2624	0.2806	0.2710	0.2790	Ave		0.2814				5.9		15.0			
Butadiene	0.2886 0.2527	0.2333	0.2478	0.2378	0.2524	Ave		0.2521				7.7		15.0			
Bromomethane	0.0784 0.0677	0.0605	0.0682	0.0690	0.0705	Ave		0.0691				8.3		15.0			
Chloroethane	0.0952 0.0809	0.0768	0.0741	0.0796	0.0799	Ave		0.0811				9.1		15.0			
Dichlorofluoromethane	0.3182 0.2774	0.2537	0.2575	0.2696	0.2734	Ave		0.2750				8.4		15.0			
Trichlorofluoromethane	0.2646 0.2925	0.2306	0.2539	0.2504	0.2660	Ave		0.2596				7.9		15.0			
Ethyl ether	0.2524 0.2193	0.2290	0.2382	0.2196	0.2277	Ave		0.2310				5.4		15.0			
Acrolein	0.0303 0.0285	0.0263	0.0281	0.0282	0.0289	Ave		0.0284				4.6		15.0			
1,1-Dichloroethene	0.3108 0.2764	0.2687	0.2654	0.2634	0.2667	Ave		0.2752				6.5		15.0			
1,1,2-Trichlorotrifluoroethane	0.2893 0.2357	0.2268	0.2306	0.2207	0.2301	Ave		0.2389				10.5		15.0			
Acetone	0.2069 0.0680	0.0969	0.0852	0.0773	0.0724	Lin1	0.1396	0.0677							0.9990		0.9900
Iodomethane	0.4822 0.4228	0.4214	0.4425	0.4195	0.4232	Ave		0.4353				5.6		15.0			
Carbon disulfide	0.6720 0.7685	0.6348	0.6761	0.6856	0.7300	Ave		0.6945				6.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 233328

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2016 17:07 Calibration End Date: 06/06/2016 18:59 Calibration ID: 34729

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
3-Chloro-1-propene	0.1229 0.1428	0.1210	0.1195	0.1312	0.1392	Ave		0.1294				7.6		15.0			
Methyl acetate	0.1731 0.1442	0.1493	0.1510	0.1503	0.1502	Ave		0.1530				6.6		15.0			
Methylene Chloride	0.7016 0.2756	0.3679	0.3246	0.2921	0.2826	Lin1	0.2146	0.2712							1.0000		0.9900
tert-Butyl alcohol	0.0187 0.0138	0.0142	0.0142	0.0145	0.0146	Ave		0.0150				12.3		15.0			
Acrylonitrile	0.1008 0.0818	0.0860	0.0873	0.0867	0.0868	Ave		0.0883				7.3		15.0			
Methyl tert-butyl ether	0.6692 0.6716	0.6099	0.6405	0.6391	0.6688	Ave		0.6499				3.8		15.0			
trans-1,2-Dichloroethene	0.3013 0.2733	0.2852	0.2838	0.2749	0.2775	Ave		0.2827				3.6		15.0			
Hexane	0.0772 0.0729	0.0673	0.0684	0.0681	0.0684	Ave		0.0704				5.5		15.0			
1,1-Dichloroethane	0.5292 0.4571	0.4574	0.4574	0.4504	0.4519	Ave		0.4672			0.1000	6.5		15.0			
Vinyl acetate	0.3291 0.3944	0.3069	0.3240	0.3577	0.3733	Ave		0.3476				9.5		15.0			
2,2-Dichloropropane	0.1911 0.1914	0.1751	0.1919	0.1945	0.2011	Ave		0.1909				4.5		15.0			
cis-1,2-Dichloroethene	0.3355 0.2981	0.2997	0.2987	0.2903	0.3005	Ave		0.3038				5.3		15.0			
2-Butanone (MEK)	0.1257 0.0882	0.0854	0.0941	0.0877	0.0899	Lin1	0.0301	0.0880							0.9990		0.9900
Bromochloromethane	0.1762 0.1502	0.1442	0.1478	0.1420	0.1485	Ave		0.1515				8.2		15.0			
Tetrahydrofuran	0.0516 0.0539	0.0509	0.0535	0.0547	0.0553	Ave		0.0533				3.2		15.0			
Chloroform	0.5425 0.4536	0.4442	0.4458	0.4425	0.4458	Ave		0.4624				8.5		15.0			
1,1,1-Trichloroethane	0.3309 0.3173	0.2930	0.3076	0.3093	0.3208	Ave		0.3131				4.1		15.0			
Cyclohexane	0.4376 0.4387	0.3872	0.4285	0.4238	0.4322	Ave		0.4247				4.5		15.0			
1,1-Dichloropropene	0.4267 0.3793	0.3552	0.3669	0.3647	0.3736	Ave		0.3777				6.7		15.0			
Carbon tetrachloride	0.2838 0.3168	0.2522	0.2749	0.2843	0.3007	Ave		0.2855				7.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 233328

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2016 17:07 Calibration End Date: 06/06/2016 18:59 Calibration ID: 34729

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isobutyl alcohol	0.0081 0.0069	0.0077	0.0072	0.0074	0.0075	Ave		0.0075				5.7		15.0			
Benzene	1.3235 1.1446	1.1290	1.1413	1.1035	1.1265	Ave		1.1614				6.9		15.0			
1,2-Dichloroethane	0.4022 0.3604	0.3522	0.3570	0.3419	0.3511	Ave		0.3608				5.9		15.0			
n-Heptane	0.0588 0.0652	0.0503	0.0567	0.0615	0.0638	Ave		0.0594				9.1		15.0			
Trichloroethene	0.3644 0.3180	0.3090	0.3135	0.3126	0.3155	Ave		0.3222				6.5		15.0			
Methylcyclohexane	0.4061 0.4266	0.3756	0.3962	0.3994	0.4120	Ave		0.4026				4.2		15.0			
1,2-Dichloropropane	0.2601 0.2490	0.2354	0.2485	0.2503	0.2405	Ave		0.2473				3.4		15.0			
Dibromomethane	0.1610 0.1485	0.1402	0.1432	0.1441	0.1449	Ave		0.1470				5.0		15.0			
1,4-Dioxane	0.0029 0.0026	0.0028	0.0029	0.0030	0.0030	Ave		0.0029				5.6		15.0			
Bromodichloromethane	0.2653 0.3136	0.2276	0.2540	0.2676	0.2911	Ave		0.2699				11.0		15.0			
2-Chloroethyl vinyl ether	0.1281 0.1508	0.1186	0.1366	0.1423	0.1472	Ave		0.1373				8.9		15.0			
cis-1,3-Dichloropropene	0.3000 0.4026	0.2814	0.3141	0.3483	0.3766	Ave		0.3372				13.9		15.0			
4-Methyl-2-pentanone (MIBK)	0.1621 0.1832	0.1492	0.1628	0.1738	0.1825	Ave		0.1690				7.9		15.0			
Toluene	1.8286 1.6351	1.6024	1.5375	1.5558	1.5840	Ave		1.6239				6.5		15.0			
trans-1,3-Dichloropropene	0.2919 0.4562	0.2888	0.3362	0.3726	0.4115	Lin1	-0.152	0.4325							0.9920		0.9900
Ethyl methacrylate	0.3345 0.4222	0.3010	0.3543	0.3880	0.4104	Ave		0.3684				12.7		15.0			
1,1,2-Trichloroethane	0.3381 0.2954	0.3085	0.2864	0.2914	0.2949	Ave		0.3025				6.3		15.0			
Tetrachloroethene	0.3926 0.3493	0.3523	0.3376	0.3372	0.3377	Ave		0.3511				6.1		15.0			
1,3-Dichloropropane	0.5937 0.5405	0.5524	0.5233	0.5218	0.5309	Ave		0.5438				5.0		15.0			
2-Hexanone	0.1341 0.1730	0.1421	0.1531	0.1645	0.1754	Ave		0.1570				10.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 233328

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2016 17:07 Calibration End Date: 06/06/2016 18:59 Calibration ID: 34729

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorodibromomethane	0.2293 0.3158	0.2134	0.2419	0.2526	0.2858	Ave		0.2565				14.8		15.0			
1,2-Dibromoethane	0.2988 0.2932	0.2645	0.2770	0.2842	0.2933	Ave		0.2852				4.5		15.0			
Chlorobenzene	1.2518 1.0877	1.0729	1.0513	1.0276	1.0646	Ave		1.0926			0.3000	7.4		15.0			
1,1,1,2-Tetrachloroethane	0.3197 0.3560	0.2825	0.2981	0.3172	0.3364	Ave		0.3183				8.2		15.0			
Ethylbenzene	0.5899 0.5697	0.5344	0.5400	0.5323	0.5633	Ave		0.5549				4.2		15.0			
m-Xylene & p-Xylene	0.8988 0.7264	0.7098	0.6957	0.6802	0.7039	Ave		0.7358				11.1		15.0			
o-Xylene	0.6674 0.6981	0.6183	0.6385	0.6697	0.6935	Ave		0.6642				4.7		15.0			
Styrene	0.9990 1.2000	0.9759	1.0609	1.0948	1.1646	Ave		1.0825				8.2		15.0			
Bromoform	0.1318 +++++	0.1130	0.1309	0.1415	0.1638	Ave		0.1362			0.1000	13.6		15.0			
Isopropylbenzene	1.5666 1.7570	1.4745	1.5687	1.6112	1.6894	Ave		1.6112				6.2		15.0			
1,1,2,2-Tetrachloroethane	0.7070 0.6326	0.5994	0.6257	0.6313	0.6389	Ave		0.6392			0.3000	5.6		15.0			
Bromobenzene	0.9800 0.8569	0.8727	0.8562	0.8307	0.8552	Ave		0.8753				6.1		15.0			
1,2,3-Trichloropropane	0.2711 0.2194	0.2093	0.2226	0.2214	0.2254	Ave		0.2282				9.5		15.0			
trans-1,4-Dichloro-2-butene	0.1264 0.1730	0.1255	0.1223	0.1383	0.1561	Ave		0.1403				14.5		15.0			
N-Propylbenzene	0.7103 0.8543	0.7495	0.7912	0.8255	0.8286	Ave		0.7932				6.9		15.0			
2-Chlorotoluene	0.8250 0.7416	0.7284	0.7343	0.7236	0.7335	Ave		0.7477				5.1		15.0			
1,3,5-Trimethylbenzene	2.2288 2.5625	2.2276	2.3368	2.4085	2.4794	Ave		2.3739				5.7		15.0			
4-Chlorotoluene	0.8232 0.7964	0.8204	0.7678	0.7651	0.7867	Ave		0.7933				3.2		15.0			
tert-Butylbenzene	1.9766 2.1722	1.9443	1.9926	2.0901	2.1269	Ave		2.0505				4.5		15.0			
1,2,4-Trimethylbenzene	2.2728 2.6239	2.3467	2.4770	2.4933	2.5682	Ave		2.4636				5.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 233328

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2016 17:07 Calibration End Date: 06/06/2016 18:59 Calibration ID: 34729

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
sec-Butylbenzene	2.5713 2.8077	2.5087	2.5977	2.6550	2.6936	Ave		2.6390				4.0		15.0			
1,3-Dichlorobenzene	1.8471 1.5210	1.5552	1.5024	1.5112	1.5318	Ave		1.5781				8.4		15.0			
4-Isopropyltoluene	2.1070 2.5512	2.1927	2.2705	2.3866	2.4941	Ave		2.3337				7.4		15.0			
1,4-Dichlorobenzene	1.9779 1.5887	1.6251	1.5817	1.5194	1.5593	Ave		1.6420				10.2		15.0			
n-Butylbenzene	1.7821 1.9317	1.6494	1.6763	1.8033	1.8399	Ave		1.7804				5.9		15.0			
1,2-Dichlorobenzene	1.7751 1.4597	1.5837	1.4669	1.4467	1.4738	Ave		1.5343				8.3		15.0			
1,2-Dibromo-3-Chloropropane	0.1098 0.1075	0.0887	0.0888	0.0944	0.1048	Ave		0.0990				9.6		15.0			
1,2,4-Trichlorobenzene	1.3109 0.8968	0.9838	0.9450	0.9580	0.9784	Ave		1.0121				14.8		15.0			
Hexachlorobutadiene	0.8783 0.3592	0.5551	0.4335	0.4374	0.3952	Lin1	0.2937	0.3691							0.9960		0.9900
Naphthalene	2.3527 1.9496	1.8705	2.0078	2.1503	2.2724	Ave		2.1006				9.0		15.0			
1,2,3-Trichlorobenzene	1.4503 0.7793	1.0663	0.9692	0.9595	0.9357	Lin1	0.3978	0.8361							0.9910		0.9900
Dibromofluoromethane (Surr)	0.2974 0.2427	0.2371	0.2398	0.2288	0.2436	Ave		0.2482				9.9		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3634 0.2902	0.2847	0.2925	0.2714	0.2856	Ave		0.2980				11.0		15.0			
Toluene-d8 (Surr)	1.5913 1.3757	1.3246	1.3355	1.2747	1.3584	Ave		1.3767				8.0		15.0			
4-Bromofluorobenzene (Surr)	0.5735 0.5169	0.4854	0.4938	0.4826	0.5162	Ave		0.5114				6.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 233328

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2016 17:07 Calibration End Date: 06/06/2016 18:59 Calibration ID: 34729

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-233328/7	UXR2593.D
Level 2	STD8260 240-233328/6	UXR2592.D
Level 3	STD8260 240-233328/5	UXR2591.D
Level 4	STD8260 240-233328/4	UXR2590.D
Level 5	STD8260 240-233328/3	UXR2589.D
Level 6	STD8260 240-233328/2	UXR2588.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	38427 2863062	131793	350983	661410	1346594	0.500 40.0	2.00	5.00	10.0	20.0
Chloromethane	FB	Ave	33074 2339618	118310	283570	584540	1222130	0.500 40.0	2.00	5.00	10.0	20.0
Vinyl chloride	FB	Ave	29876 2135980	105869	278621	544286	1088423	0.500 40.0	2.00	5.00	10.0	20.0
Butadiene	FB	Ave	27687 1899787	94141	246059	477743	984883	0.500 40.0	2.00	5.00	10.0	20.0
Bromomethane	FB	Ave	7523 509382	24408	67717	138557	275183	0.500 40.0	2.00	5.00	10.0	20.0
Chloroethane	FB	Ave	9132 608455	30990	73541	159904	311839	0.500 40.0	2.00	5.00	10.0	20.0
Dichlorofluoromethane	FB	Ave	30532 2085944	102341	255719	541626	1066600	0.500 40.0	2.00	5.00	10.0	20.0
Trichlorofluoromethane	FB	Ave	25386 2199192	93025	252102	502946	1037801	0.500 40.0	2.00	5.00	10.0	20.0
Ethyl ether	FB	Ave	24218 1648718	92398	236505	441137	888553	0.500 40.0	2.00	5.00	10.0	20.0
Acrolein	FB	Ave	14542 1070412	52977	139576	283135	562853	2.50 200	10.0	25.0	50.0	100
1,1-Dichloroethene	FB	Ave	29818 2078672	108398	263551	529049	1040519	0.500 40.0	2.00	5.00	10.0	20.0
1,1,2-Trichlorotrifluoroethane	FB	Ave	27758 1772582	91519	228972	443238	897596	0.500 40.0	2.00	5.00	10.0	20.0
Acetone	FB	Lin1	39713 1022683	78170	169217	310417	564728	1.00 80.0	4.00	10.0	20.0	40.0
Iodomethane	FB	Ave	46272 3179454	170040	439405	842574	1650988	0.500 40.0	2.00	5.00	10.0	20.0
Carbon disulfide	FB	Ave	64478 5778592	256137	671419	1377216	2848352	0.500 40.0	2.00	5.00	10.0	20.0
3-Chloro-1-propene	FB	Ave	11796 1073747	48817	118678	263457	543040	0.500 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 233328

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2016 17:07 Calibration End Date: 06/06/2016 18:59 Calibration ID: 34729

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Methyl acetate	FB	Ave	83030 5420981	301218	749658	1509188	2929278	2.50 200	10.0	25.0	50.0	100
Methylene Chloride	FB	Lin1	67322 2072459	148430	322305	586790	1102521	0.500 40.0	2.00	5.00	10.0	20.0
tert-Butyl alcohol	FB	Ave	17952 1040339	57273	140645	290319	570520	5.00 400	20.0	50.0	100	200
Acrylonitrile	FB	Ave	96711 6154427	347108	867247	1742273	3388498	5.00 400	20.0	50.0	100	200
Methyl tert-butyl ether	FB	Ave	64215 5049900	246087	636061	1283737	2609294	0.500 40.0	2.00	5.00	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	28907 2055107	115087	281806	552199	1082709	0.500 40.0	2.00	5.00	10.0	20.0
Hexane	FB	Ave	7407 547939	27147	67909	136850	266850	0.500 40.0	2.00	5.00	10.0	20.0
1,1-Dichloroethane	FB	Ave	50774 3437277	184551	454229	904667	1763052	0.500 40.0	2.00	5.00	10.0	20.0
Vinyl acetate	FB	Ave	31579 2965478	123833	321786	718606	1456517	0.500 40.0	2.00	5.00	10.0	20.0
2,2-Dichloropropane	FB	Ave	18338 1439245	70650	190555	390717	784566	0.500 40.0	2.00	5.00	10.0	20.0
cis-1,2-Dichloroethene	FB	Ave	32193 2241233	120915	296603	583125	1172312	0.500 40.0	2.00	5.00	10.0	20.0
2-Butanone (MEK)	FB	Lin1	24126 1326153	68872	186927	352257	701808	1.00 80.0	4.00	10.0	20.0	40.0
Bromochloromethane	FB	Ave	16908 1129488	58160	146781	285204	579446	0.500 40.0	2.00	5.00	10.0	20.0
Tetrahydrofuran	FB	Ave	9894 810056	41073	106208	219666	431273	1.00 80.0	4.00	10.0	20.0	40.0
Chloroform	FB	Ave	52056 3410993	179213	442643	888916	1739340	0.500 40.0	2.00	5.00	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	31746 2385668	118215	305413	621292	1251753	0.500 40.0	2.00	5.00	10.0	20.0
Cyclohexane	FB	Ave	41987 3298290	156203	425515	851345	1686470	0.500 40.0	2.00	5.00	10.0	20.0
1,1-Dichloropropene	FB	Ave	40938 2852096	143322	364352	732618	1457815	0.500 40.0	2.00	5.00	10.0	20.0
Carbon tetrachloride	FB	Ave	27229 2382360	101756	273016	571079	1173226	0.500 40.0	2.00	5.00	10.0	20.0
Isobutyl alcohol	CBNZ d5	Ave	14675 998956	57778	138185	286291	567158	12.5 1000	50.0	125	250	500
Benzene	FB	Ave	126988 8606743	455517	1133359	2216664	4395120	0.500 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 233328

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2016 17:07 Calibration End Date: 06/06/2016 18:59 Calibration ID: 34729

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2-Dichloroethane	FB	Ave	38594 2709635	142084	354501	686682	1369936	0.500 40.0	2.00	5.00	10.0	20.0
n-Heptane	FB	Ave	5645 489990	20311	56285	123443	248970	0.500 40.0	2.00	5.00	10.0	20.0
Trichloroethene	FB	Ave	34963 2391204	124688	311335	627823	1230955	0.500 40.0	2.00	5.00	10.0	20.0
Methylcyclohexane	FB	Ave	38966 3207790	151537	393432	802180	1607528	0.500 40.0	2.00	5.00	10.0	20.0
1,2-Dichloropropane	FB	Ave	24954 1872569	94980	246785	502688	938496	0.500 40.0	2.00	5.00	10.0	20.0
Dibromomethane	FB	Ave	15448 1116642	56576	142163	289359	565470	0.500 40.0	2.00	5.00	10.0	20.0
1,4-Dioxane	FB	Ave	5656 385381	22932	56905	120163	232769	10.0 800	40.0	100	200	400
Bromodichloromethane	FB	Ave	25457 2357880	91818	252271	537528	1135933	0.500 40.0	2.00	5.00	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	24591 2267709	95680	271257	571479	1148677	1.00 80.0	4.00	10.0	20.0	40.0
cis-1,3-Dichloropropene	FB	Ave	28785 3027570	113522	311922	699595	1469396	0.500 40.0	2.00	5.00	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	31116 2755477	120406	323281	698370	1424363	1.00 80.0	4.00	10.0	20.0	40.0
Toluene	CBNZ d5	Ave	132600 9534057	481293	1183019	2413809	4767181	0.500 40.0	2.00	5.00	10.0	20.0
trans-1,3-Dichloropropene	CBNZ d5	Lin1	21171 2659981	86743	258658	578034	1238504	0.500 40.0	2.00	5.00	10.0	20.0
Ethyl methacrylate	CBNZ d5	Ave	24259 2461933	90414	272598	602005	1235081	0.500 40.0	2.00	5.00	10.0	20.0
1,1,2-Trichloroethane	CBNZ d5	Ave	24521 1722209	92671	220363	452180	887599	0.500 40.0	2.00	5.00	10.0	20.0
Tetrachloroethene	CBNZ d5	Ave	28469 2036883	105809	259740	523118	1016255	0.500 40.0	2.00	5.00	10.0	20.0
1,3-Dichloropropane	CBNZ d5	Ave	43051 3151784	165906	402662	809529	1597833	0.500 40.0	2.00	5.00	10.0	20.0
2-Hexanone	CBNZ d5	Ave	19451 2017210	85350	235573	510327	1055525	1.00 80.0	4.00	10.0	20.0	40.0
Chlorodibromomethane	CBNZ d5	Ave	16631 1841537	64083	186097	391881	860245	0.500 40.0	2.00	5.00	10.0	20.0
1,2-Dibromoethane	CBNZ d5	Ave	21669 1709661	79431	213103	440908	882692	0.500 40.0	2.00	5.00	10.0	20.0
Chlorobenzene	CBNZ d5	Ave	90775 6342185	322263	808880	1594390	3203799	0.500 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 233328

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2016 17:07 Calibration End Date: 06/06/2016 18:59 Calibration ID: 34729

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	23185 2075644	84837	229392	492083	1012481	0.500 40.0	2.00	5.00	10.0	20.0
Ethylbenzene	CBNZ d5	Ave	42774 3321825	160523	415532	825930	1695216	0.500 40.0	2.00	5.00	10.0	20.0
m-Xylene & p-Xylene	CBNZ d5	Ave	65178 4235568	213187	535262	1055325	2118397	0.500 40.0	2.00	5.00	10.0	20.0
o-Xylene	CBNZ d5	Ave	48396 4070240	185702	491326	1038976	2087061	0.500 40.0	2.00	5.00	10.0	20.0
Styrene	CBNZ d5	Ave	72444 6997138	293124	816289	1698608	3504928	0.500 40.0	2.00	5.00	10.0	20.0
Bromoform	CBNZ d5	Ave	9560 +++++	33950	100709	219517	493033	0.500 +++++	2.00	5.00	10.0	20.0
Isopropylbenzene	CBNZ d5	Ave	113603 10244892	442884	1207046	2499792	5084299	0.500 40.0	2.00	5.00	10.0	20.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	27536 2080088	98339	265784	539960	1083552	0.500 40.0	2.00	5.00	10.0	20.0
Bromobenzene	DCBd 4	Ave	38167 2817516	143173	363692	710570	1450401	0.500 40.0	2.00	5.00	10.0	20.0
1,2,3-Trichloropropane	DCBd 4	Ave	10559 721492	34333	94558	189364	382179	0.500 40.0	2.00	5.00	10.0	20.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	4922 568815	20582	51945	118292	264786	0.500 40.0	2.00	5.00	10.0	20.0
N-Propylbenzene	DCBd 4	Ave	27663 2809032	122960	336085	706076	1405320	0.500 40.0	2.00	5.00	10.0	20.0
2-Chlorotoluene	DCBd 4	Ave	32129 2438545	119503	311908	618933	1243957	0.500 40.0	2.00	5.00	10.0	20.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	86799 8425690	365470	992634	2060130	4204880	0.500 40.0	2.00	5.00	10.0	20.0
4-Chlorotoluene	DCBd 4	Ave	32061 2618606	134606	326130	654481	1334223	0.500 40.0	2.00	5.00	10.0	20.0
tert-Butylbenzene	DCBd 4	Ave	76980 7142579	318997	846404	1787766	3607131	0.500 40.0	2.00	5.00	10.0	20.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	88513 8627752	385006	1052157	2132656	4355418	0.500 40.0	2.00	5.00	10.0	20.0
sec-Butylbenzene	DCBd 4	Ave	100141 9232150	411590	1103456	2271019	4568096	0.500 40.0	2.00	5.00	10.0	20.0
1,3-Dichlorobenzene	DCBd 4	Ave	71935 5001289	255157	638186	1292606	2597855	0.500 40.0	2.00	5.00	10.0	20.0
4-Isopropyltoluene	DCBd 4	Ave	82058 8388751	359752	964463	2041406	4229868	0.500 40.0	2.00	5.00	10.0	20.0
1,4-Dichlorobenzene	DCBd 4	Ave	77029 5223946	266618	671867	1299677	2644440	0.500 40.0	2.00	5.00	10.0	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 233328

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2016 17:07 Calibration End Date: 06/06/2016 18:59 Calibration ID: 34729

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
n-Butylbenzene	DCBd 4	Ave	69403 6351719	270601	712039	1542516	3120318	0.500 40.0	2.00	5.00	10.0	20.0
1,2-Dichlorobenzene	DCBd 4	Ave	69130 4799693	259821	623098	1237430	2499392	0.500 40.0	2.00	5.00	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	4276 353600	14558	37720	80716	177679	0.500 40.0	2.00	5.00	10.0	20.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	51052 2948638	161407	401427	819430	1659261	0.500 40.0	2.00	5.00	10.0	20.0
Hexachlorobutadiene	DCBd 4	Lin1	34204 1181238	91071	184129	374157	670307	0.500 40.0	2.00	5.00	10.0	20.0
Naphthalene	DCBd 4	Ave	91628 6410582	306882	852864	1839311	3853834	0.500 40.0	2.00	5.00	10.0	20.0
1,2,3-Trichlorobenzene	DCBd 4	Lin1	56481 2562439	174939	411696	820759	1586927	0.500 40.0	2.00	5.00	10.0	20.0
Dibromofluoromethane (Surr)	FB	Ave	28532 1825265	95642	238097	459507	950433	0.500 40.0	2.00	5.00	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	34869 2182148	114878	290459	545158	1114416	0.500 40.0	2.00	5.00	10.0	20.0
Toluene-d8 (Surr)	CBNZ d5	Ave	115395 8021571	397858	1027560	1977774	4088201	0.500 40.0	2.00	5.00	10.0	20.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Ave	41588 3013787	145795	379986	748803	1553435	0.500 40.0	2.00	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-233328/8 | Calibration Date: 06/06/2016 19:21

Instrument ID: A3UX17 | Calib Start Date: 06/06/2016 17:07

GC Column: DB-624 ID: 0.18(mm) | Calib End Date: 06/06/2016 18:59

Lab File ID: UXR2594.D | Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3560	0.3707		0.0104	0.0100	4.1	50.0
Chloromethane	Ave	0.3065	0.2890	0.1000	0.00943	0.0100	-5.7	50.0
Vinyl chloride	Ave	0.2814	0.2713		0.00964	0.0100	-3.6	20.0
Butadiene	Ave	0.2521	0.2400		0.00952	0.0100	-4.8	50.0
Bromomethane	Ave	0.0691	0.0680		0.00985	0.0100	-1.5	50.0
Chloroethane	Ave	0.0811	0.0730		0.00900	0.0100	-10.0	50.0
Dichlorofluoromethane	Ave	0.2750	0.2690		0.00978	0.0100	-2.2	50.0
Trichlorofluoromethane	Ave	0.2596	0.2601		0.0100	0.0100	0.2	50.0
Ethyl ether	Ave	0.2310	0.2210		0.00957	0.0100	-4.3	50.0
Acrolein	Ave	0.0284	0.0390		0.0687	0.0500	37.4	50.0
1,1-Dichloroethene	Ave	0.2752	0.2652		0.00964	0.0100	-3.6	20.0
1,1,2-Trichlorotrifluoroethane	Ave	0.2389	0.2314		0.00969	0.0100	-3.1	50.0
Acetone	Lin1		0.0613		0.0161	0.0200	-19.7	50.0
Iodomethane	Ave	0.4353	0.4267		0.00980	0.0100	-2.0	50.0
Carbon disulfide	Ave	0.6945	0.6801		0.00979	0.0100	-2.1	50.0
3-Chloro-1-propene	Ave	0.1294	0.1278		0.00987	0.0100	-1.3	50.0
Methyl acetate	Ave	0.1530	0.1417		0.0463	0.0500	-7.4	50.0
Methylene Chloride	Lin1		0.2828		0.00963	0.0100	-3.7	50.0
tert-Butyl alcohol	Ave	0.0150	0.0127		0.0846	0.100	-15.4	50.0
Acrylonitrile	Ave	0.0883	0.0821		0.0930	0.100	-7.0	50.0
Methyl tert-butyl ether	Ave	0.6499	0.6224		0.00958	0.0100	-4.2	50.0
trans-1,2-Dichloroethene	Ave	0.2827	0.2771		0.00980	0.0100	-2.0	50.0
Hexane	Ave	0.0704	0.0697		0.00990	0.0100	-1.0	20.0
1,1-Dichloroethane	Ave	0.4672	0.4322	0.1000	0.00925	0.0100	-7.5	50.0
Vinyl acetate	Ave	0.3476	0.3357		0.00966	0.0100	-3.4	50.0
2,2-Dichloropropane	Ave	0.1909	0.1803		0.00945	0.0100	-5.5	50.0
cis-1,2-Dichloroethene	Ave	0.3038	0.2865		0.00943	0.0100	-5.7	50.0
2-Butanone (MEK)	Lin1		0.0821		0.0183	0.0200	-8.4	50.0
Bromochloromethane	Ave	0.1515	0.1423		0.00939	0.0100	-6.1	50.0
Tetrahydrofuran	Ave	0.0533	0.0492		0.0185	0.0200	-7.7	50.0
Chloroform	Ave	0.4624	0.4296		0.00929	0.0100	-7.1	20.0
1,1,1-Trichloroethane	Ave	0.3131	0.3035		0.00969	0.0100	-3.1	50.0
Cyclohexane	Ave	0.4247	0.4174		0.00983	0.0100	-1.7	50.0
1,1-Dichloropropene	Ave	0.3777	0.3493		0.00925	0.0100	-7.5	50.0
Carbon tetrachloride	Ave	0.2855	0.2946		0.0103	0.0100	3.2	50.0
Isobutyl alcohol	Ave	0.0075	0.0067		0.226	0.250	-9.7	50.0
Benzene	Ave	1.161	1.084		0.00933	0.0100	-6.7	50.0
1,2-Dichloroethane	Ave	0.3608	0.3418		0.00947	0.0100	-5.3	50.0
n-Heptane	Ave	0.0594	0.0569		0.00958	0.0100	-4.2	50.0
Trichloroethene	Ave	0.3222	0.3105		0.00964	0.0100	-3.6	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-233328/8 Calibration Date: 06/06/2016 19:21

Instrument ID: A3UX17 Calib Start Date: 06/06/2016 17:07

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/06/2016 18:59

Lab File ID: UXR2594.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.4026	0.3848		0.00956	0.0100	-4.4	50.0
1,2-Dichloropropane	Ave	0.2473	0.2409		0.00974	0.0100	-2.6	20.0
1,4-Dioxane	Ave	0.0029	0.0024		0.165	0.200	-17.5	50.0
Dibromomethane	Ave	0.1470	0.1389		0.00945	0.0100	-5.5	50.0
Bromodichloromethane	Ave	0.2699	0.2626		0.00973	0.0100	-2.7	50.0
2-Chloroethyl vinyl ether	Ave	0.1373	0.1265		0.00921	0.0100	-7.9	50.0
cis-1,3-Dichloropropene	Ave	0.3372	0.3260		0.00967	0.0100	-3.3	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1690	0.1646		0.0195	0.0200	-2.6	50.0
Toluene	Ave	1.624	1.516		0.00934	0.0100	-6.6	20.0
trans-1,3-Dichloropropene	Lin1		0.3440		0.00830	0.0100	-17.0	50.0
Ethyl methacrylate	Ave	0.3684	0.3820		0.0104	0.0100	3.7	50.0
1,1,2-Trichloroethane	Ave	0.3025	0.2898		0.00958	0.0100	-4.2	50.0
Tetrachloroethene	Ave	0.3511	0.3343		0.00952	0.0100	-4.8	50.0
1,3-Dichloropropane	Ave	0.5438	0.5231		0.00962	0.0100	-3.8	50.0
2-Hexanone	Ave	0.1570	0.1515		0.0193	0.0200	-3.5	50.0
Chlorodibromomethane	Ave	0.2565	0.2459		0.00959	0.0100	-4.1	50.0
1,2-Dibromoethane	Ave	0.2852	0.2862		0.0100	0.0100	0.4	50.0
Chlorobenzene	Ave	1.093	1.008	0.3000	0.00923	0.0100	-7.7	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3183	0.3097		0.00973	0.0100	-2.7	50.0
Ethylbenzene	Ave	0.5549	0.5172		0.00932	0.0100	-6.8	20.0
m-Xylene & p-Xylene	Ave	0.7358	0.6656		0.00905	0.0100	-9.5	50.0
o-Xylene	Ave	0.6642	0.6301		0.00949	0.0100	-5.1	50.0
Styrene	Ave	1.083	1.070		0.00988	0.0100	-1.2	50.0
Bromoform	Ave	0.1362	0.1474	0.1000	0.0108	0.0100	8.2	50.0
Isopropylbenzene	Ave	1.611	1.574		0.00977	0.0100	-2.3	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6392	0.5752	0.3000	0.00900	0.0100	-10.0	50.0
Bromobenzene	Ave	0.8753	0.7955		0.00909	0.0100	-9.1	50.0
1,2,3-Trichloropropane	Ave	0.2282	0.2156		0.00945	0.0100	-5.5	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1403	0.1363		0.00972	0.0100	-2.8	50.0
N-Propylbenzene	Ave	0.7932	0.7654		0.00965	0.0100	-3.5	50.0
2-Chlorotoluene	Ave	0.7477	0.6915		0.00925	0.0100	-7.5	50.0
1,3,5-Trimethylbenzene	Ave	2.374	2.216		0.00933	0.0100	-6.7	50.0
4-Chlorotoluene	Ave	0.7933	0.7172		0.00904	0.0100	-9.6	50.0
tert-Butylbenzene	Ave	2.050	1.907		0.00930	0.0100	-7.0	50.0
1,2,4-Trimethylbenzene	Ave	2.464	2.304		0.00935	0.0100	-6.5	50.0
sec-Butylbenzene	Ave	2.639	2.400		0.00909	0.0100	-9.1	50.0
1,3-Dichlorobenzene	Ave	1.578	1.390		0.00881	0.0100	-11.9	50.0
4-Isopropyltoluene	Ave	2.334	2.210		0.00947	0.0100	-5.3	50.0
1,4-Dichlorobenzene	Ave	1.642	1.460		0.00889	0.0100	-11.1	50.0
n-Butylbenzene	Ave	1.780	1.548		0.00869	0.0100	-13.1	50.0
1,2-Dichlorobenzene	Ave	1.534	1.337		0.00872	0.0100	-12.8	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-233328/8 Calibration Date: 06/06/2016 19:21

Instrument ID: A3UX17 Calib Start Date: 06/06/2016 17:07

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/06/2016 18:59

Lab File ID: UXR2594.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.0990	0.0869		0.00878	0.0100	-12.2	50.0
1,2,4-Trichlorobenzene	Ave	1.012	0.7892		0.00780	0.0100	-22.0	50.0
Hexachlorobutadiene	Lin1		0.3006		0.00735	0.0100	-26.5	50.0
Naphthalene	Ave	2.101	1.623		0.00773	0.0100	-22.7	50.0
1,2,3-Trichlorobenzene	Lin1		0.7104		0.00802	0.0100	-19.8	50.0
Dibromofluoromethane (Surr)	Ave	0.2482	0.2242		0.00903	0.0100	-9.7	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2980	0.2630		0.00883	0.0100	-11.7	50.0
Toluene-d8 (Surr)	Ave	1.377	1.271		0.00923	0.0100	-7.7	50.0
4-Bromofluorobenzene (Surr)	Ave	0.5114	0.4754		0.00930	0.0100	-7.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 233328

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2016 19:44 Calibration End Date: 06/06/2016 21:36 Calibration ID: 34731

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-233328/14	UXR2600.D
Level 2	STDA9 240-233328/13	UXR2599.D
Level 3	STDA9 240-233328/12	UXR2598.D
Level 4	STDA9 240-233328/11	UXR2597.D
Level 5	STDA9 240-233328/10	UXR2596.D
Level 6	STDA9 240-233328/9	UXR2595.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Acetonitrile	0.0267 0.0245	0.0258	0.0246	0.0251	0.0250	Ave		0.0253				3.4		15.0			
Diisopropyl ether	0.2067 0.2327	0.2088	0.2105	0.2181	0.2369	Ave		0.2189				5.9		15.0			
2-Chloro-1,3-butadiene	0.3337 0.3901	0.3485	0.3490	0.3689	0.3851	Ave		0.3625				6.2		15.0			
Ethyl tert-butyl ether	0.5698 0.6656	0.5759	0.5827	0.6094	0.6616	Ave		0.6109				7.1		15.0			
Ethyl acetate	0.1475 0.1601	0.1455	0.1422	0.1498	0.1611	Ave		0.1510				5.2		15.0			
Propionitrile	0.0302 0.0312	0.0312	0.0299	0.0308	0.0318	Ave		0.0308				2.3		15.0			
Methacrylonitrile	0.1150 0.1226	0.1230	0.1199	0.1217	0.1263	Ave		0.1214				3.1		15.0			
Tert-amyl methyl ether	0.4854 0.5751	0.4957	0.5069	0.5301	0.5716	Ave		0.5274				7.3		15.0			
n-Butanol	0.0043 0.0058	0.0043	0.0049	0.0054	0.0063	Lin1	-0.064	0.0060							0.9960		0.9900
Ethyl acrylate	0.1892 0.2559	0.2002	0.2121	0.2319	0.2513	Ave		0.2234				12.2		15.0			
Methyl methacrylate	0.1354 0.1743	0.1469	0.1500	0.1611	0.1704	Ave		0.1563				9.5		15.0			
2-Nitropropane	0.0290 +++++	0.0272	0.0257	0.0292	0.0336	Ave		0.0289				10.3		15.0			
n-Butyl acetate	0.1056 0.1574	0.1058	0.1191	0.1334	0.1578	Lin1	-0.086	0.1566							0.9960		0.9900
1-Chlorohexane	0.3382 0.4092	0.3405	0.3535	0.3706	0.4128	Ave		0.3708				9.0		15.0			
Cyclohexanone	0.0105 0.0131	0.0101	0.0111	0.0115	0.0139	Ave		0.0117				12.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 233328

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2016 19:44 Calibration End Date: 06/06/2016 21:36 Calibration ID: 34731

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Pentachloroethane	0.0697 0.1366	0.0761	0.0912	0.0899	0.1288	Qua	-0.220	0.1142	0.0003228						0.9970		0.9900
1,2,3-Trimethylbenzene	2.1221 2.5777	2.1559	2.3613	2.4425	2.6716	Ave		2.3885				9.3		15.0			
Benzyl chloride	0.0824 0.1680	0.0792	0.0922	0.1016	0.1363	Qua	-0.065	0.1012	0.0017184						0.9990		0.9900
1,3,5-Trichlorobenzene	1.1244 0.9851	1.0924	1.0150	1.0555	1.0896	Ave		1.0603				4.9		15.0			
2-Methylnaphthalene	0.9851 +++++	1.1167	1.1542	1.3110	1.2530	Ave		1.1640				10.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 233328

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2016 19:44 Calibration End Date: 06/06/2016 21:36 Calibration ID: 34731

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-233328/14	UXR2600.D
Level 2	STDA9 240-233328/13	UXR2599.D
Level 3	STDA9 240-233328/12	UXR2598.D
Level 4	STDA9 240-233328/11	UXR2597.D
Level 5	STDA9 240-233328/10	UXR2596.D
Level 6	STDA9 240-233328/9	UXR2595.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Acetonitrile	FB	Ave	48971 1854587	96662	239690	496420	985955	10.0 400	20.0	50.0	100	200
Diisopropyl ether	FB	Ave	37858 1762040	78197	205097	431041	935656	1.00 40.0	2.00	5.00	10.0	20.0
2-Chloro-1,3-butadiene	FB	Ave	61110 2953511	130506	340104	729144	1520831	1.00 40.0	2.00	5.00	10.0	20.0
Ethyl tert-butyl ether	FB	Ave	104369 5039316	215683	567763	1204609	2613260	1.00 40.0	2.00	5.00	10.0	20.0
Ethyl acetate	FB	Ave	54041 2424045	108990	277087	592377	1272353	2.00 80.0	4.00	10.0	20.0	40.0
Propionitrile	FB	Ave	55262 2362542	116684	290860	609720	1255094	10.0 400	20.0	50.0	100	200
Methacrylonitrile	FB	Ave	210612 9283085	460624	1168718	2405577	4988531	10.0 400	20.0	50.0	100	200
Tert-amyl methyl ether	FB	Ave	88896 4353733	185614	493926	1047826	2257711	1.00 40.0	2.00	5.00	10.0	20.0
n-Butanol	CBNZ d5	Lin1	15108 890130	30591	90903	205069	481201	25.0 1000	50.0	125	250	500
Ethyl acrylate	FB	Ave	34653 1937742	74970	206632	458358	992468	1.00 40.0	2.00	5.00	10.0	20.0
Methyl methacrylate	FB	Ave	49590 2639039	110051	292271	636712	1345654	2.00 80.0	4.00	10.0	20.0	40.0
2-Nitropropane	FB	Ave	10615 +++++	20396	50008	115440	265479	2.00 +++++	4.00	10.0	20.0	40.0
n-Butyl acetate	CBNZ d5	Lin1	14686 962921	30250	88568	202589	482133	1.00 40.0	2.00	5.00	10.0	20.0
1-Chlorohexane	CBNZ d5	Ave	47053 2502806	97402	262876	562922	1261163	1.00 40.0	2.00	5.00	10.0	20.0
Cyclohexanone	DCBd 4	Ave	7434 419496	14774	40879	88323	218021	10.0 400	20.0	50.0	100	200
Pentachloroethane	CBNZ d5	Qua	19398 1671224	43535	135700	273104	786878	2.00 80.0	4.00	10.0	20.0	40.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 233328

SDG No.:

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/06/2016 19:44 Calibration End Date: 06/06/2016 21:36 Calibration ID: 34731

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
1,2,3-Trimethylbenzene	DCBd 4	Ave	149670 8276951	313983	871322	1878475	4182442	1.00 40.0	2.00	5.00	10.0	20.0
Benzyl chloride	DCBd 4	Qua	5814 539321	11533	34023	78138	213373	1.00 40.0	2.00	5.00	10.0	20.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	79305 3163159	159087	374544	811767	1705888	1.00 40.0	2.00	5.00	10.0	20.0
2-Methylnaphthalene	DCBd 4	Ave	138961 +++++	325255	851802	2016498	3923384	2.00 +++++	4.00	10.0	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Qua = Quadratic ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-233328/15 Calibration Date: 06/06/2016 21:58

Instrument ID: A3UX17 Calib Start Date: 06/06/2016 19:44

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/06/2016 21:36

Lab File ID: UXR2601.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Ave	0.0253	0.0238		0.0941	0.100	-5.9	50.0
Diisopropyl ether	Ave	0.2189	0.2316		0.0106	0.0100	5.8	50.0
2-Chloro-1,3-butadiene	Ave	0.3625	0.3818		0.0105	0.0100	5.3	50.0
Ethyl tert-butyl ether	Ave	0.6109	0.6248		0.0102	0.0100	2.3	50.0
Ethyl acetate	Ave	0.1510	0.1587		0.0210	0.0200	5.1	50.0
Propionitrile	Ave	0.0308	0.0307		0.0995	0.100	-0.5	50.0
Methacrylonitrile	Ave	0.1214	0.1212		0.0998	0.100	-0.2	50.0
Tert-amyl methyl ether	Ave	0.5274	0.5319		0.0101	0.0100	0.8	50.0
n-Butanol	Lin1		0.0039		0.175	0.250	-29.9	50.0
Methyl methacrylate	Ave	0.1563	0.1625		0.0208	0.0200	3.9	50.0
2-Nitropropane	Ave	0.0289	0.0276		0.0191	0.0200	-4.5	50.0
1-Chlorohexane	Ave	0.3708	0.3767		0.0102	0.0100	1.6	50.0
Cyclohexanone	Ave	0.0117	0.0101		0.0866	0.100	-13.4	50.0
Pentachloroethane	Qua		0.0705		0.0137	0.0200	-31.3	50.0
1,2,3-Trimethylbenzene	Ave	2.389	2.434		0.0102	0.0100	1.9	50.0
Benzyl chloride	Qua		0.0924		0.00854	0.0100	-14.6	50.0
1,3,5-Trichlorobenzene	Ave	1.060	0.9553		0.00901	0.0100	-9.9	50.0
2-Methylnaphthalene	Ave	1.164	0.5297		0.00910	0.0200	-54.5*	50.0

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab File ID: BFB1235.D BFB Injection Date: 09/28/2016

Instrument ID: A3UX17 BFB Injection Time: 12:22

Analysis Batch No.: 248858

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.5	
75	30.0 - 60.0 % of mass 95	48.6	
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	0.7	(0.7) 1
174	50.0 - 120.00 % of mass 95	97.1	
175	5.0 - 9.0 % of mass 174	6.3	(6.5) 1
176	95.0 - 101.0 % of mass 174	94.5	(97.3) 1
177	5.0 - 9.0 % of mass 176	6.5	(6.9) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-248858/2	UXR4738.D	09/28/2016	13:46
	LCS 240-248858/4	UXR4739.D	09/28/2016	14:09
	CCV 240-248858/3	UXR4740.D	09/28/2016	14:31
	MB 240-248858/6	UXR4742.D	09/28/2016	15:16
TB-092016	240-69767-62	UXR4754.D	09/28/2016	21:29

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCVIS 240-248858/2 Calibration Date: 09/28/2016 13:46

Instrument ID: A3UX17 Calib Start Date: 06/06/2016 17:07

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/06/2016 18:59

Lab File ID: UXR4738.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3560	0.3682		0.0103	0.0100	3.4	50.0
Chloromethane	Ave	0.3065	0.2616	0.1000	0.00854	0.0100	-14.6	50.0
Vinyl chloride	Ave	0.2814	0.2466		0.00876	0.0100	-12.4	20.0
Butadiene	Ave	0.2521	0.2247		0.00891	0.0100	-10.9	50.0
Bromomethane	Ave	0.0691	0.0928		0.0134	0.0100	34.3	50.0
Chloroethane	Ave	0.0811	0.1196		0.0148	0.0100	47.5	50.0
Dichlorofluoromethane	Ave	0.2750	0.3448		0.0125	0.0100	25.4	50.0
Trichlorofluoromethane	Ave	0.2596	0.4059		0.0156	0.0100	56.3*	50.0
Ethyl ether	Ave	0.2310	0.1948		0.00843	0.0100	-15.7	50.0
Acrolein	Ave	0.0284	0.0292		0.0514	0.0500	2.9	50.0
1,1-Dichloroethene	Ave	0.2752	0.2518		0.00915	0.0100	-8.5	20.0
1,1,2-Trichlorotrifluoroethane	Ave	0.2389	0.2789		0.0117	0.0100	16.8	50.0
Acetone	Lin1		0.0711		0.0190	0.0200	-5.2	50.0
Iodomethane	Ave	0.4353	0.4933		0.0113	0.0100	13.3	50.0
Carbon disulfide	Ave	0.6945	0.7198		0.0104	0.0100	3.6	50.0
3-Chloro-1-propene	Ave	0.1294	0.1279		0.00988	0.0100	-1.2	50.0
Methyl acetate	Ave	0.1530	0.1223		0.0400	0.0500	-20.1	50.0
Methylene Chloride	Lin1		0.2710		0.00920	0.0100	-8.0	50.0
tert-Butyl alcohol	Ave	0.0150	0.0109		0.0724	0.100	-27.6	50.0
Acrylonitrile	Ave	0.0883	0.0694		0.0786	0.100	-21.4	50.0
Methyl tert-butyl ether	Ave	0.6499	0.6507		0.0100	0.0100	0.1	50.0
trans-1,2-Dichloroethene	Ave	0.2827	0.2820		0.00998	0.0100	-0.2	50.0
Hexane	Ave	0.0704	0.0695		0.00987	0.0100	-1.3	20.0
1,1-Dichloroethane	Ave	0.4672	0.4374	0.1000	0.00936	0.0100	-6.4	50.0
Vinyl acetate	Ave	0.3476	0.3201		0.00921	0.0100	-7.9	50.0
2,2-Dichloropropane	Ave	0.1909	0.2774		0.0145	0.0100	45.3	50.0
cis-1,2-Dichloroethene	Ave	0.3038	0.3015		0.00992	0.0100	-0.8	50.0
2-Butanone (MEK)	Lin1		0.0773		0.0172	0.0200	-13.8	50.0
Bromochloromethane	Ave	0.1515	0.1542		0.0102	0.0100	1.8	50.0
Tetrahydrofuran	Ave	0.0533	0.0420		0.0157	0.0200	-21.3	50.0
Chloroform	Ave	0.4624	0.4832		0.0105	0.0100	4.5	20.0
1,1,1-Trichloroethane	Ave	0.3131	0.4282		0.0137	0.0100	36.8	50.0
Cyclohexane	Ave	0.4247	0.3965		0.00934	0.0100	-6.6	50.0
1,1-Dichloropropene	Ave	0.3777	0.3879		0.0103	0.0100	2.7	50.0
Carbon tetrachloride	Ave	0.2855	0.4167		0.0146	0.0100	46.0	50.0
Isobutyl alcohol	Ave	0.0075	0.0049		0.165	0.250	-33.9	50.0
Benzene	Ave	1.161	1.092		0.00941	0.0100	-5.9	50.0
1,2-Dichloroethane	Ave	0.3608	0.4077		0.0113	0.0100	13.0	50.0
n-Heptane	Ave	0.0594	0.0651		0.0110	0.0100	9.5	50.0
Trichloroethene	Ave	0.3222	0.3412		0.0106	0.0100	5.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCVIS 240-248858/2 Calibration Date: 09/28/2016 13:46

Instrument ID: A3UX17 Calib Start Date: 06/06/2016 17:07

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/06/2016 18:59

Lab File ID: UXR4738.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.4026	0.4050		0.0101	0.0100	0.6	50.0
1,2-Dichloropropane	Ave	0.2473	0.2300		0.00930	0.0100	-7.0	20.0
Dibromomethane	Ave	0.1470	0.1513		0.0103	0.0100	2.9	50.0
1,4-Dioxane	Ave	0.0029	0.0020		0.137	0.200	-31.4	50.0
Bromodichloromethane	Ave	0.2699	0.3718		0.0138	0.0100	37.8	50.0
2-Chloroethyl vinyl ether	Ave	0.1373	0.1523		0.0222	0.0200	10.9	50.0
cis-1,3-Dichloropropene	Ave	0.3372	0.4191		0.0124	0.0100	24.3	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1690	0.1850		0.0219	0.0200	9.5	50.0
Toluene	Ave	1.624	1.725		0.0106	0.0100	6.2	20.0
trans-1,3-Dichloropropene	Lin1		0.4111		0.00986	0.0100	-1.4	50.0
Ethyl methacrylate	Ave	0.3684	0.3752		0.0102	0.0100	1.9	50.0
1,1,2-Trichloroethane	Ave	0.3025	0.3098		0.0102	0.0100	2.4	50.0
Tetrachloroethene	Ave	0.3511	0.4208		0.0120	0.0100	19.8	50.0
1,3-Dichloropropane	Ave	0.5438	0.5535		0.0102	0.0100	1.8	50.0
2-Hexanone	Ave	0.1570	0.1478		0.0188	0.0200	-5.9	50.0
Chlorodibromomethane	Ave	0.2565	0.3389		0.0132	0.0100	32.2	50.0
1,2-Dibromoethane	Ave	0.2852	0.3059		0.0107	0.0100	7.3	50.0
Chlorobenzene	Ave	1.093	1.141	0.3000	0.0104	0.0100	4.4	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3183	0.4053		0.0127	0.0100	27.3	50.0
Ethylbenzene	Ave	0.5549	0.6246		0.0113	0.0100	12.6	20.0
m-Xylene & p-Xylene	Ave	0.7358	0.7353		0.00999	0.0100	-0.0	50.0
o-Xylene	Ave	0.6642	0.7239		0.0109	0.0100	9.0	50.0
Styrene	Ave	1.083	1.207		0.0111	0.0100	11.5	50.0
Bromoform	Ave	0.1362	0.1573	0.1000	0.0116	0.0100	15.5	50.0
Isopropylbenzene	Ave	1.611	1.545		0.00959	0.0100	-4.1	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6392	0.5249	0.3000	0.00821	0.0100	-17.9	50.0
Bromobenzene	Ave	0.8753	0.8929		0.0102	0.0100	2.0	50.0
1,2,3-Trichloropropane	Ave	0.2282	0.2112		0.00926	0.0100	-7.4	50.0
trans-1,4-Dichloro-2-butene	Ave	0.1403	0.1160		0.00827	0.0100	-17.3	50.0
N-Propylbenzene	Ave	0.7932	0.8101		0.0102	0.0100	2.1	50.0
2-Chlorotoluene	Ave	0.7477	0.7347		0.00983	0.0100	-1.7	50.0
1,3,5-Trimethylbenzene	Ave	2.374	2.484		0.0105	0.0100	4.6	50.0
4-Chlorotoluene	Ave	0.7933	0.7891		0.00995	0.0100	-0.5	50.0
tert-Butylbenzene	Ave	2.050	2.141		0.0104	0.0100	4.4	50.0
1,2,4-Trimethylbenzene	Ave	2.464	2.624		0.0107	0.0100	6.5	50.0
sec-Butylbenzene	Ave	2.639	2.620		0.00993	0.0100	-0.7	50.0
1,3-Dichlorobenzene	Ave	1.578	1.616		0.0102	0.0100	2.4	50.0
4-Isopropyltoluene	Ave	2.334	2.507		0.0107	0.0100	7.4	50.0
1,4-Dichlorobenzene	Ave	1.642	1.625		0.00990	0.0100	-1.0	50.0
n-Butylbenzene	Ave	1.780	1.785		0.0100	0.0100	0.3	50.0
1,2-Dichlorobenzene	Ave	1.534	1.516		0.00988	0.0100	-1.2	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCVIS 240-248858/2 Calibration Date: 09/28/2016 13:46

Instrument ID: A3UX17 Calib Start Date: 06/06/2016 17:07

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/06/2016 18:59

Lab File ID: UXR4738.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.0990	0.0899		0.00908	0.0100	-9.2	50.0
1,2,4-Trichlorobenzene	Ave	1.012	0.8673		0.00857	0.0100	-14.3	50.0
Hexachlorobutadiene	Lin1		0.4501		0.0114	0.0100	14.0	50.0
Naphthalene	Ave	2.101	1.440		0.00685	0.0100	-31.5	50.0
1,2,3-Trichlorobenzene	Lin1		0.7820		0.00888	0.0100	-11.2	50.0
Dibromofluoromethane (Surr)	Ave	0.2482	0.2453		0.00988	0.0100	-1.2	50.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2980	0.3032		0.0102	0.0100	1.8	50.0
Toluene-d8 (Surr)	Ave	1.377	1.329		0.00965	0.0100	-3.5	50.0
4-Bromofluorobenzene (Surr)	Ave	0.5114	0.4389		0.00858	0.0100	-14.2	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248858/3 Calibration Date: 09/28/2016 14:31

Instrument ID: A3UX17 Calib Start Date: 06/06/2016 19:44

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 06/06/2016 21:36

Lab File ID: UXR4740.D Conc. Units: ng/uL Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Ave	0.0253	0.0204		0.0806	0.100	-19.4	50.0
Diisopropyl ether	Ave	0.2189	0.2186		0.00998	0.0100	-0.2	50.0
2-Chloro-1,3-butadiene	Ave	0.3625	0.3861		0.0107	0.0100	6.5	50.0
Ethyl tert-butyl ether	Ave	0.6109	0.6122		0.0100	0.0100	0.2	50.0
Ethyl acetate	Ave	0.1510	0.1551		0.0205	0.0200	2.7	50.0
Propionitrile	Ave	0.0308	0.0270		0.0876	0.100	-12.4	50.0
Methacrylonitrile	Ave	0.1214	0.1142		0.0940	0.100	-6.0	50.0
Tert-amyl methyl ether	Ave	0.5274	0.5337		0.0101	0.0100	1.2	50.0
n-Butanol	Lin1		0.0040		0.179	0.250	-28.5	50.0
Methyl methacrylate	Ave	0.1563	0.1552		0.0198	0.0200	-0.8	50.0
2-Nitropropane	Ave	0.0289	0.0315		0.0217	0.0200	8.7	50.0
1-Chlorohexane	Ave	0.3708	0.3659		0.00987	0.0100	-1.3	50.0
Cyclohexanone	Ave	0.0117	0.0090		0.0771	0.100	-22.9	50.0
Pentachloroethane	Qua		0.2456		0.0404	0.0200	101.8*	50.0
1,2,3-Trimethylbenzene	Ave	2.389	2.277		0.00953	0.0100	-4.7	50.0
Benzyl chloride	Qua		0.0962		0.00883	0.0100	-11.7	50.0
1,3,5-Trichlorobenzene	Ave	1.060	0.9507		0.00897	0.0100	-10.3	50.0
2-Methylnaphthalene	Ave	1.164	0.4004		0.00688	0.0200	-65.6*	50.0

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab File ID: BFB8184.D BFB Injection Date: 09/20/2016

Instrument ID: A3UX8 BFB Injection Time: 05:53

Analysis Batch No.: 247528

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	27.1	
75	30.0 - 60.0 % of mass 95	49.6	
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	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	88.4	
175	5.0 - 9.0 % of mass 174	6.5	(7.3) 1
176	95.0 - 101.0 % of mass 174	85.2	(96.5) 1
177	5.0 - 9.0 % of mass 176	5.6	(6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8260 240-247528/3	UX86158.D	09/20/2016	06:31
	STD8260 240-247528/4	UX86159.D	09/20/2016	06:53
	STD8260 240-247528/5	UX86160.D	09/20/2016	07:15
	ICIS 240-247528/6	UX86161.D	09/20/2016	07:36
	STD8260 240-247528/7	UX86162.D	09/20/2016	07:58
	STD8260 240-247528/8	UX86163.D	09/20/2016	08:20
	STD8260 240-247528/9	UX86164.D	09/20/2016	08:42
	STD8260 240-247528/10	UX86165.D	09/20/2016	09:03
	ICV 240-247528/13	UX86168.D	09/20/2016	10:07

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247528

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 09/20/2016 06:31 Calibration End Date: 09/20/2016 09:03 Calibration ID: 36096

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-247528/10	UX86165.D
Level 2	STD8260 240-247528/9	UX86164.D
Level 3	STD8260 240-247528/8	UX86163.D
Level 4	STD8260 240-247528/7	UX86162.D
Level 5	ICIS 240-247528/6	UX86161.D
Level 6	STD8260 240-247528/5	UX86160.D
Level 7	STD8260 240-247528/4	UX86159.D
Level 8	STD8260 240-247528/3	UX86158.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.1673 0.2354	0.1712 0.2356	0.2295 0.2315	0.2163	0.2223	Ave		0.2136				13.2		15.0			
Chloromethane	0.3597 0.3351	0.3097 0.3252	0.3428 0.3057	0.3201	0.3122	Ave		0.3263			0.1000	5.7		15.0			
Vinyl chloride	0.1870 0.2176	0.1987 0.2135	0.2189 0.2050	0.2035	0.2053	Ave		0.2062				5.1		15.0			
Butadiene	0.2023 0.2533	0.1904 0.2469	0.2345 0.2466	0.2164	0.2370	Ave		0.2284				10.0		15.0			
Bromomethane	0.0989 0.1054	0.0916 0.0833	0.1028 0.0792	0.1059	0.0914	Ave		0.0948				10.6		15.0			
Chloroethane	0.1276 0.1253	0.1127 0.1193	0.1237 0.1185	0.1136	0.1154	Ave		0.1195				4.6		15.0			
Dichlorofluoromethane	0.3121 0.2930	0.2733 0.2706	0.2828 0.2622	0.2821	0.2730	Ave		0.2811				5.5		15.0			
Trichlorofluoromethane	0.2481 0.2909	0.2354 0.2788	0.2760 0.2700	0.2693	0.2657	Ave		0.2668				6.6		15.0			
Ethyl ether	0.3151 0.2411	0.2447 0.2724	0.2635 0.2341	0.2768	0.2756	Ave		0.2654				9.8		15.0			
Acrolein	0.0527 0.0570	0.0467 0.0543	0.0572 0.0488	0.0544	0.0533	Ave		0.0531				6.9		15.0			
1,1-Dichloroethene	0.1720 0.1983	0.1750 0.1914	0.2065 0.1941	0.1916	0.1967	Ave		0.1907				6.1		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	0.1082 0.1680	0.1566 0.1636	0.1586 0.1696	0.1601	0.1599	Ave		0.1556				12.7		15.0			
Acetone	0.4952 0.1981	0.3357 0.1913	0.2747 0.1819	0.2319	0.2185	Lin1	0.6841	0.1853							0.9980		0.9900
Iodomethane	0.3535 0.3555	0.3601 0.3435	0.3832 0.3370	0.3528	0.3519	Ave		0.3547				3.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247528

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 09/20/2016 06:31 Calibration End Date: 09/20/2016 09:03 Calibration ID: 36096

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	0.4506 0.5355	0.4623 0.5194	0.4856 0.5361	0.5040	0.5089	Ave		0.5003				6.4		15.0			
3-Chloro-1-propene	0.1072 0.1245	0.1038 0.1240	0.1112 0.1234	0.1153	0.1163	Ave		0.1157				6.9		15.0			
Methyl acetate	0.3264 0.3269	0.3194 0.3107	0.3525 0.3129	0.3368	0.3360	Ave		0.3277				4.2		15.0			
Methylene Chloride	0.8215 0.2463	0.4972 0.2376	0.3619 0.2291	0.3072	0.2601	Lin1	0.5970	0.2295							0.9990		0.9900
tert-Butyl alcohol	0.0381 0.0425	0.0403 0.0403	0.0479 0.0388	0.0452	0.0465	Ave		0.0425				8.7		15.0			
Acrylonitrile	0.1338 0.1364	0.1318 0.1303	0.1461 0.1296	0.1413	0.1420	Ave		0.1364				4.5		15.0			
Methyl tert-butyl ether	0.7727 0.7894	0.7528 0.7980	0.8407 0.7787	0.8172	0.7974	Ave		0.7934				3.4		15.0			
trans-1,2-Dichloroethene	0.1968 0.2336	0.2253 0.2307	0.2421 0.2266	0.2273	0.2348	Ave		0.2272				5.9		15.0			
Hexane	0.0865 0.0679	0.0877 0.0653	0.0661 0.0677	0.0656	0.0647	Ave		0.0714				13.6		15.0			
1,1-Dichloroethane	0.4326 0.4578	0.4399 0.4619	0.4705 0.4548	0.4638	0.4545	Ave		0.4545			0.1000	2.8		15.0			
Vinyl acetate	0.7476 0.8336	0.7068 0.8574	0.8295 0.8907	0.7866	0.8373	Ave		0.8112				7.4		15.0			
2-Butanone (MEK)	0.2561 0.2460	0.2600 0.2344	0.2761 0.2386	0.2626	0.2567	Ave		0.2538				5.4		15.0			
cis-1,2-Dichloroethene	0.2822 0.2669	0.2470 0.2677	0.2811 0.2602	0.2763	0.2673	Ave		0.2686				4.3		15.0			
2,2-Dichloropropane	0.1777 0.2213	0.2048 0.1984	0.2193 0.1916	0.2037	0.2214	Ave		0.2048				7.6		15.0			
Bromochloromethane	0.1362 0.1427	0.1414 0.1440	0.1576 0.1405	0.1461	0.1463	Ave		0.1443				4.4		15.0			
Tetrahydrofuran	0.1429 0.1451	0.1399 0.1376	0.1601 0.1400	0.1484	0.1478	Ave		0.1452				4.9		15.0			
Chloroform	0.5443 0.4446	0.4599 0.4424	0.4837 0.4339	0.4437	0.4358	Ave		0.4610				8.1		15.0			
1,1,1-Trichloroethane	0.2900 0.3602	0.2996 0.3508	0.3293 0.3548	0.3363	0.3503	Ave		0.3339				7.9		15.0			
Cyclohexane	0.3975 0.4711	0.4204 0.4480	0.4668 0.4613	0.4379	0.4543	Ave		0.4447				5.7		15.0			
1,1-Dichloropropene	0.3179 0.3209	0.2711 0.3143	0.3305 0.3230	0.3070	0.3141	Ave		0.3124				5.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247528

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 09/20/2016 06:31 Calibration End Date: 09/20/2016 09:03 Calibration ID: 36096

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon tetrachloride	0.2610 0.3368	0.2671 0.3350	0.3149 0.3443	0.3023	0.3183	Ave		0.3100				10.1		15.0			
Isobutyl alcohol	0.0151 0.0181	0.0162 0.0170	0.0210 0.0170	0.0199	0.0201	Ave		0.0181				11.6		15.0			
1,2-Dichloroethane	0.4648 0.4423	0.4616 0.4536	0.4741 0.4448	0.4716	0.4469	Ave		0.4574				2.7		15.0			
Benzene	0.9244 0.9194	0.9060 0.9206	0.9825 0.9129	0.9409	0.9250	Ave		0.9290				2.6		15.0			
n-Heptane	+++++ 0.0745	0.0579 0.0768	0.0742 0.0819	0.0680	0.0747	Ave		0.0726				10.6		15.0			
Trichloroethene	0.2823 0.2786	0.2748 0.2743	0.2858 0.2742	0.2767	0.2730	Ave		0.2775				1.6		15.0			
1,2-Dichloropropane	0.2669 0.2602	0.2445 0.2560	0.2825 0.2601	0.2690	0.2512	Ave		0.2613				4.5		15.0			
Methylcyclohexane	0.3375 0.4087	0.3401 0.3869	0.4024 0.4003	0.3748	0.3908	Ave		0.3802				7.3		15.0			
Dibromomethane	0.1272 0.1594	0.1347 0.1599	0.1610 0.1579	0.1658	0.1570	Ave		0.1529				9.1		15.0			
1,4-Dioxane	0.0023 0.0032	0.0028 0.0032	0.0037 0.0030	0.0036	0.0034	Ave		0.0032				14.8		15.0			
Bromodichloromethane	0.2709 0.3362	0.2667 0.3478	0.3064 0.3496	0.3139	0.3196	Ave		0.3139				10.1		15.0			
2-Chloroethyl vinyl ether	+++++ 0.0668	+++++ 0.0694	0.0546 0.0807	0.0599	0.0630	Ave		0.0657				13.7		15.0			
cis-1,3-Dichloropropene	0.2880 0.3914	0.2962 0.4065	0.3486 0.4125	0.3620	0.3748	Ave		0.3600				13.1		15.0			
4-Methyl-2-pentanone (MIBK)	0.3828 0.4679	0.3830 0.4393	0.4453 0.4422	0.4707	0.4786	Ave		0.4387				8.5		15.0			
Toluene	1.4356 1.3634	1.2811 1.3171	1.4146 1.3593	1.3858	1.3672	Ave		1.3655				3.6		15.0			
trans-1,3-Dichloropropene	+++++ 0.4806	0.3519 0.5078	0.4103 0.5259	0.4373	0.4557	Ave		0.4528				13.2		15.0			
Ethyl methacrylate	0.3277 0.4787	0.3449 0.4629	0.4349 0.4792	0.4567	0.4800	Ave		0.4331				14.3		15.0			
1,1,2-Trichloroethane	0.3029 0.3060	0.2961 0.2981	0.3163 0.3020	0.3210	0.3093	Ave		0.3064				2.8		15.0			
1,3-Dichloropropane	0.4992 0.5181	0.5091 0.5149	0.5747 0.5178	0.5643	0.5235	Ave		0.5277				5.1		15.0			
Tetrachloroethene	0.2813 0.3004	0.2822 0.2911	0.2837 0.2983	0.3010	0.2956	Ave		0.2917				2.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247528

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 09/20/2016 06:31 Calibration End Date: 09/20/2016 09:03 Calibration ID: 36096

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	0.3729 0.4932	0.4048 0.4556	0.4793 0.4679	0.4871	0.5124	Ave		0.4591				10.3		15.0			
Dibromochloromethane	+++++ 0.3557	+++++ 0.3721	0.2893 0.3821	0.3138	0.3377	Ave		0.3418				10.4		15.0			
1,2-Dibromoethane	0.2886 0.3275	0.2891 0.3242	0.3216 0.3270	0.3253	0.3294	Ave		0.3166				5.5		15.0			
Chlorobenzene	1.1117 0.9533	1.0217 0.9398	1.0303 0.9477	0.9962	0.9825	Ave		0.9979			0.3000	5.7		15.0			
1,1,1,2-Tetrachloroethane	0.3263 0.3621	0.2907 0.3622	0.3258 0.3632	0.3503	0.3669	Ave		0.3434				7.8		15.0			
Ethylbenzene	0.4900 0.4815	0.4638 0.4695	0.4951 0.4818	0.4937	0.4908	Ave		0.4833				2.4		15.0			
m-Xylene & p-Xylene	0.5145 0.5939	0.5292 0.5772	0.6135 0.5921	0.6066	0.5992	Ave		0.5783				6.3		15.0			
o-Xylene	0.5554 0.5907	0.5580 0.5683	0.6294 0.5636	0.6127	0.6081	Ave		0.5858				4.8		15.0			
Styrene	0.8372 1.0046	0.8023 0.9930	0.9776 1.0077	0.9832	1.0035	Ave		0.9511				8.7		15.0			
Bromoform	+++++ 0.2117	+++++ 0.2264	0.1790 0.2403	0.1716	0.1961	Ave		0.2042			0.1000	13.2		15.0			
Isopropylbenzene	1.4036 1.5458	1.3953 1.4746	1.5537 1.4846	1.5862	1.5467	Ave		1.4988				4.8		15.0			
1,1,2,2-Tetrachloroethane	0.6557 0.7206	0.5957 0.6887	0.7511 0.7211	0.6830	0.7461	Ave		0.6953			0.3000	7.4		15.0			
Bromobenzene	0.9170 0.7875	0.7935 0.7909	0.8017 0.7947	0.8096	0.8138	Ave		0.8136				5.3		15.0			
trans-1,4-Dichloro-2-butene	+++++ 0.3399	0.2263 0.3373	0.2816 0.3624	0.2946	0.3206	Ave		0.3089				14.8		15.0			
1,2,3-Trichloropropane	0.2717 0.2747	0.2338 0.2599	0.3133 0.2618	0.2782	0.2892	Ave		0.2728				8.5		15.0			
N-Propylbenzene	0.7423 0.8290	0.7289 0.8068	0.8031 0.8398	0.8103	0.8440	Ave		0.8005				5.4		15.0			
2-Chlorotoluene	0.6881 0.7110	0.6879 0.7083	0.7422 0.7244	0.7227	0.7401	Ave		0.7156				2.9		15.0			
1,3,5-Trimethylbenzene	2.0944 2.4334	1.9924 2.3970	2.3792 2.4044	2.2885	2.4277	Ave		2.3021				7.3		15.0			
4-Chlorotoluene	0.7911 0.7709	0.7417 0.7430	0.8095 0.7586	0.7759	0.7719	Ave		0.7703				3.0		15.0			
tert-Butylbenzene	2.0801 2.5238	2.3267 2.2279	2.6959 2.2444	2.2785	2.3513	Ave		2.3411				8.1		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247528

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 09/20/2016 06:31 Calibration End Date: 09/20/2016 09:03 Calibration ID: 36096

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4-Trimethylbenzene	1.9966 2.5059	2.0542 2.4589	2.4765 2.4931	2.4532	2.5349	Ave		2.3717				9.1		15.0			
sec-Butylbenzene	2.4684 3.0092	2.6098 2.8768	3.0238 2.9392	2.8842	3.0685	Ave		2.8600				7.4		15.0			
1,3-Dichlorobenzene	1.5906 1.4919	1.4609 1.4814	1.6354 1.4521	1.5192	1.5351	Ave		1.5208				4.2		15.0			
p-Isopropyltoluene	2.1541 2.7979	2.2402 2.6925	2.6237 2.7155	2.6612	2.8312	Ave		2.5895				9.8		15.0			
1,4-Dichlorobenzene	1.6482 1.5199	1.5679 1.4885	1.6611 1.4919	1.5895	1.5913	Ave		1.5698				4.2		15.0			
n-Butylbenzene	1.7067 2.2232	1.5846 2.1452	2.0684 2.1521	2.0248	2.1538	Ave		2.0074				11.6		15.0			
1,2-Dichlorobenzene	1.5470 1.4225	1.4356 1.4227	1.6131 1.3936	1.4903	1.4891	Ave		1.4767				5.0		15.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1446	+++++ 0.1539	0.1287 0.1650	0.1335	0.1425	Ave		0.1447				9.2		15.0			
1,2,4-Trichlorobenzene	1.0845 0.9716	0.8348 0.9413	1.0167 0.9269	0.9438	0.9512	Ave		0.9589				7.5		15.0			
Hexachlorobutadiene	0.3947 0.4950	0.4543 0.4439	0.5104 0.4292	0.4946	0.5005	Ave		0.4653				8.9		15.0			
Naphthalene	2.4205 2.5658	2.2537 2.5046	2.4940 2.4998	2.4109	2.5214	Ave		2.4588				4.0		15.0			
1,2,3-Trichlorobenzene	1.0147 0.9574	0.8207 0.9248	1.0155 0.9021	0.9444	0.9545	Ave		0.9418				6.7		15.0			
Dibromofluoromethane (Surr)	0.4771 0.2453	0.4024 0.2593	0.3174 0.2457	0.2888	0.2638	Lin1	0.2741	0.2479							0.9990		0.9900
1,2-Dichloroethane-d4 (Surr)	0.7716 0.3295	0.5739 0.3512	0.4671 0.3364	0.3962	0.3778	Lin1	0.4811	0.3371							0.9990		0.9900
Toluene-d8 (Surr)	2.7033 1.2454	2.1307 1.2167	1.5840 1.1949	1.3996	1.3252	Lin1	1.7081	1.1975							1.0000		0.9900
4-Bromofluorobenzene (Surr)	1.1836 0.4784	0.9304 0.4835	0.6679 0.4715	0.6075	0.5543	Lin1	0.8473	0.4725							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247528

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 09/20/2016 06:31 Calibration End Date: 09/20/2016 09:03 Calibration ID: 36096

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8260 240-247528/10	UX86165.D
Level 2	STD8260 240-247528/9	UX86164.D
Level 3	STD8260 240-247528/8	UX86163.D
Level 4	STD8260 240-247528/7	UX86162.D
Level 5	ICIS 240-247528/6	UX86161.D
Level 6	STD8260 240-247528/5	UX86160.D
Level 7	STD8260 240-247528/4	UX86159.D
Level 8	STD8260 240-247528/3	UX86158.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	3468 249724	7351 498543	24071 1012115	45741	99100	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Chloromethane	FB	Ave	7457 355417	13297 688170	35944 1336650	67696	139165	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Vinyl chloride	FB	Ave	3877 230804	8531 451730	22956 896430	43039	91524	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Butadiene	FB	Ave	4193 268618	8174 522493	24593 1078016	45773	105639	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromomethane	FB	Ave	2050 111742	3933 176321	10783 346261	22396	40736	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Chloroethane	FB	Ave	2646 132865	4839 252367	12972 518169	24032	51452	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Dichlorofluoromethane	FB	Ave	6470 310807	11736 572555	29660 1146136	59667	121687	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Trichlorofluoromethane	FB	Ave	5144 308555	10109 590002	28947 1180619	56945	118428	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethyl ether	FB	Ave	6533 255700	10507 576409	27635 1023410	58540	122861	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Acrolein	FB	Ave	5467 302361	10037 574568	29971 1067567	57540	118684	5.00 250	10.0 500	25.0 1000	50.0	100
1,1-Dichloroethene	FB	Ave	3565 210367	7515 404947	21659 848432	40514	87669	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	2242 178238	6726 346188	16637 741592	33858	71267	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Acetone	FB	Lin1	20530 420132	28831 809595	57605 1590134	98075	194794	2.00 100	4.00 200	10.0 400	20.0	40.0
Iodomethane	FB	Ave	7328 377095	15462 726830	40184 1473499	74603	156848	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Carbon disulfide	FB	Ave	9341 568022	19849 1099184	50920 2343704	106583	226827	1.00 50.0	2.00 100	5.00 200	10.0	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247528

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 09/20/2016 06:31 Calibration End Date: 09/20/2016 09:03 Calibration ID: 36096

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
3-Chloro-1-propene	FB	Ave	2222 132064	4458 262328	11659 539528	24378	51847	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Methyl acetate	FB	Ave	33829 1733633	68579 3287440	184816 6840829	356167	748873	5.00 250	10.0 500	25.0 1000	50.0	100
Methylene Chloride	FB	Lin1	17031 261268	21349 502799	37949 1001764	64977	115932	1.00 50.0	2.00 100	5.00 200	10.0	20.0
tert-Butyl alcohol	FB	Ave	7905 450498	17301 853698	50233 1697021	95572	207401	10.0 500	20.0 1000	50.0 2000	100	200
Acrylonitrile	FB	Ave	27731 1446667	56608 2757994	153204 5668233	298768	632883	10.0 500	20.0 1000	50.0 2000	100	200
Methyl tert-butyl ether	FB	Ave	16018 837277	32324 1688595	88166 3404654	172817	355424	1.00 50.0	2.00 100	5.00 200	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	4079 247774	9676 488199	25386 990870	48078	104634	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Hexane	FB	Ave	1793 72008	3765 138184	6928 295969	13878	28828	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1-Dichloroethane	FB	Ave	8969 485592	18891 977417	49344 1988411	98088	202599	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Vinyl acetate	FB	Ave	15499 884181	30349 1814270	86990 3894087	166347	373177	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Butanone (MEK)	FB	Ave	10619 521754	22332 992028	57902 2086010	111076	228847	2.00 100	4.00 200	10.0 400	20.0	40.0
cis-1,2-Dichloroethene	FB	Ave	5851 283055	10604 566382	29474 1137757	58437	119143	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	3684 234725	8792 419744	23000 837855	43080	98694	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromochloromethane	FB	Ave	2823 151381	6070 304701	16528 614053	30903	65193	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Tetrahydrofuran	FB	Ave	5926 307702	12017 582366	33588 1223951	62781	131755	2.00 100	4.00 200	10.0 400	20.0	40.0
Chloroform	FB	Ave	11284 471603	19747 936205	50721 1897219	93828	194231	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,1-Trichloroethane	FB	Ave	6012 382027	12864 742287	34534 1551335	71122	156122	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Cyclohexane	FB	Ave	8240 499710	18053 948011	48949 2017024	92605	202495	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1-Dichloropropene	FB	Ave	6590 340383	11643 665070	34661 1412008	64932	139989	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Carbon tetrachloride	FB	Ave	5410 357244	11471 708907	33024 1505299	63938	141878	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Isobutyl alcohol	FB	Ave	7843 480553	17379 900965	55173 1857609	105293	224220	25.0 1250	50.0 2500	125 5000	250	500

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247528

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 09/20/2016 06:31 Calibration End Date: 09/20/2016 09:03 Calibration ID: 36096

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2-Dichloroethane	FB	Ave	9635 469081	19819 959887	49713 1944689	99729	199189	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Benzene	FB	Ave	19164 975123	38904 1948131	103036 3991366	198980	412294	1.00 50.0	2.00 100	5.00 200	10.0	20.0
n-Heptane	FB	Ave	+++++ 79057	2486 162415	7781 358026	14373	33312	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Trichloroethene	FB	Ave	5853 295482	11798 580399	29975 1198750	58522	121681	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dichloropropane	FB	Ave	5533 275975	10499 541657	29622 1137284	56880	111943	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Methylcyclohexane	FB	Ave	6996 433538	14604 818718	42194 1749993	79274	174200	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Dibromomethane	FB	Ave	2636 169107	5784 338338	16888 690518	35056	69995	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,4-Dioxane	FB	Ave	961 68838	2395 135237	7852 257962	15342	30447	20.0 1000	40.0 2000	100 4000	200	400
Bromodichloromethane	FB	Ave	5615 356564	11452 735966	32131 1528244	66387	142433	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 141663	+++++ 293723	11461 705536	25328	56121	+++++ 100	+++++ 200	10.0 400	20.0	40.0
cis-1,3-Dichloropropene	FB	Ave	5970 415132	12718 860257	36559 1803376	76558	167058	1.00 50.0	2.00 100	5.00 200	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	15870 992647	32889 1859381	93389 3866339	199093	426648	2.00 100	4.00 200	10.0 400	20.0	40.0
Toluene	CBNZ d5	Ave	22387 1073797	40437 2109226	110116 4482605	215361	447910	1.00 50.0	2.00 100	5.00 200	10.0	20.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 378524	11107 813205	31939 1734253	67953	149297	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Ethyl methacrylate	CBNZ d5	Ave	5111 377041	10885 741346	33858 1580273	70974	157251	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,2-Trichloroethane	CBNZ d5	Ave	4723 241007	9346 477325	24621 995764	49881	101321	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,3-Dichloropropane	CBNZ d5	Ave	7785 408037	16068 824546	44738 1707523	87693	171501	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Tetrachloroethene	CBNZ d5	Ave	4386 236574	8906 466215	22082 983593	46783	96841	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Hexanone	CBNZ d5	Ave	11629 776879	25551 1459301	74618 3085694	151399	335721	2.00 100	4.00 200	10.0 400	20.0	40.0
Dibromochloromethane	CBNZ d5	Ave	+++++ 280172	+++++ 595958	22520 1259947	48773	110635	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
1,2-Dibromoethane	CBNZ d5	Ave	4500 257970	9126 519234	25037 1078247	50560	107924	1.00 50.0	2.00 100	5.00 200	10.0	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247528

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 09/20/2016 06:31 Calibration End Date: 09/20/2016 09:03 Calibration ID: 36096

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBNZ d5	Ave	17337 750789	32248 1505029	80199 3125392	154820	321878	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	5088 285191	9177 579995	25360 1197637	54433	120192	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethylbenzene	CBNZ d5	Ave	7642 379199	14639 751869	38544 1588843	76720	160780	1.00 50.0	2.00 100	5.00 200	10.0	20.0
m-Xylene & p-Xylene	CBNZ d5	Ave	8024 467776	16704 924307	47760 1952446	94273	196308	1.00 50.0	2.00 100	5.00 200	10.0	20.0
o-Xylene	CBNZ d5	Ave	8661 465255	17614 910080	48994 1858732	95213	199210	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Styrene	CBNZ d5	Ave	13055 791221	25324 1590199	76098 3323036	152789	328764	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromoform	CBNZ d5	Ave	+++++ 166728	+++++ 362623	13932 792569	26661	64248	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Isopropylbenzene	CBNZ d5	Ave	21889 1217493	44040 2361458	120950 4895677	246496	506712	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	5272 306251	10088 586226	31373 1225483	58721	131914	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromobenzene	DCBd 4	Ave	7372 334666	13438 673257	33487 1350570	69608	143897	1.00 50.0	2.00 100	5.00 200	10.0	20.0
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 144438	3833 287107	11761 615847	25331	56682	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,2,3-Trichloropropane	DCBd 4	Ave	2184 116723	3960 221232	13087 444907	23922	51134	1.00 50.0	2.00 100	5.00 200	10.0	20.0
N-Propylbenzene	DCBd 4	Ave	5968 352304	12345 686749	33545 1427267	69666	149233	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Chlorotoluene	DCBd 4	Ave	5532 302161	11651 602887	31000 1231016	62137	130865	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	16838 1034138	33743 2040414	99372 4086192	196756	429248	1.00 50.0	2.00 100	5.00 200	10.0	20.0
4-Chlorotoluene	DCBd 4	Ave	6360 327632	12561 632450	33812 1289160	66709	136475	1.00 50.0	2.00 100	5.00 200	10.0	20.0
tert-Butylbenzene	DCBd 4	Ave	16723 1072585	39405 1896443	112600 3814210	195898	415730	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	16052 1064963	34789 2093095	103437 4237013	210921	448198	1.00 50.0	2.00 100	5.00 200	10.0	20.0
sec-Butylbenzene	DCBd 4	Ave	19845 1278849	44199 2448772	126297 4995147	247977	542544	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,3-Dichlorobenzene	DCBd 4	Ave	12788 634030	24741 1261008	68306 2467747	130620	271430	1.00 50.0	2.00 100	5.00 200	10.0	20.0
p-Isopropyltoluene	DCBd 4	Ave	17318 1189043	37940 2291890	109584 4614986	228799	500591	1.00 50.0	2.00 100	5.00 200	10.0	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247528

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 09/20/2016 06:31 Calibration End Date: 09/20/2016 09:03 Calibration ID: 36096

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dichlorobenzene	DCBd 4	Ave	13251 645932	26553 1267057	69381 2535521	136662	281363	1.00 50.0	2.00 100	5.00 200	10.0	20.0
n-Butylbenzene	DCBd 4	Ave	13721 944806	26837 1826045	86394 3657507	174083	380815	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dichlorobenzene	DCBd 4	Ave	12437 604522	24313 1211050	67375 2368343	128129	263295	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 61443	+++++ 131001	5376 280424	11474	25187	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	8719 412924	14138 801297	42467 1575290	81149	168190	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Hexachlorobutadiene	DCBd 4	Ave	3173 210379	7694 377817	21319 729365	42525	88494	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Naphthalene	DCBd 4	Ave	19460 1090437	38169 2131994	104170 4248272	207282	445809	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	8158 406858	13900 787232	42414 1533077	81194	168759	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Dibromofluoromethane (Surr)	FB	Lin1	9890 260164	17279 548765	33286 1074338	61068	117589	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Lin1	15996 349477	24642 743112	48988 1470859	83795	168369	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Toluene-d8 (Surr)	CBNZ d5	Lin1	42156 980831	67254 1948415	123305 3940338	217509	434168	1.00 50.0	2.00 100	5.00 200	10.0	20.0
4-Bromofluorobenzene (Surr)	CBNZ d5	Lin1	18458 376803	29367 774348	51996 1554709	94410	181602	1.00 50.0	2.00 100	5.00 200	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247528/13 Calibration Date: 09/20/2016 10:07

Instrument ID: A3UX8 Calib Start Date: 09/20/2016 06:31

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/20/2016 09:03

Lab File ID: UX86168.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2136	0.2450		0.0287	0.0250	14.7	50.0
Chloromethane	Ave	0.3263	0.3308	0.1000	0.0253	0.0250	1.4	50.0
Vinyl chloride	Ave	0.2062	0.2182		0.0264	0.0250	5.8	20.0
Butadiene	Ave	0.2284	0.2403		0.0263	0.0250	5.2	50.0
Bromomethane	Ave	0.0948	0.0982		0.0259	0.0250	3.6	50.0
Chloroethane	Ave	0.1195	0.1187		0.0248	0.0250	-0.7	50.0
Dichlorofluoromethane	Ave	0.2811	0.2867		0.0255	0.0250	2.0	50.0
Trichlorofluoromethane	Ave	0.2668	0.2905		0.0272	0.0250	8.9	50.0
Ethyl ether	Ave	0.2654	0.2520		0.0237	0.0250	-5.1	50.0
Acrolein	Ave	0.0531	0.0522		0.123	0.125	-1.6	50.0
1,1-Dichloroethene	Ave	0.1907	0.2163		0.0284	0.0250	13.4	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1556	0.1704		0.0274	0.0250	9.5	50.0
Acetone	Lin1		0.1602		0.0395	0.0500	-21.0	50.0
Iodomethane	Ave	0.3547	0.4078		0.0287	0.0250	15.0	50.0
Carbon disulfide	Ave	0.5003	0.5913		0.0295	0.0250	18.2	50.0
3-Chloro-1-propene	Ave	0.1157	0.1313		0.0284	0.0250	13.5	50.0
Methyl acetate	Ave	0.3277	0.3268		0.125	0.125	-0.3	50.0
Methylene Chloride	Lin1		0.2754		0.0274	0.0250	9.6	50.0
tert-Butyl alcohol	Ave	0.0425	0.0441		0.260	0.250	3.9	50.0
Acrylonitrile	Ave	0.1364	0.1382		0.253	0.250	1.3	50.0
Methyl tert-butyl ether	Ave	0.7934	0.8050		0.0254	0.0250	1.5	50.0
trans-1,2-Dichloroethene	Ave	0.2272	0.2535		0.0279	0.0250	11.6	50.0
Hexane	Ave	0.0714	0.0724		0.0253	0.0250	1.3	20.0
1,1-Dichloroethane	Ave	0.4545	0.4612	0.1000	0.0254	0.0250	1.5	50.0
Vinyl acetate	Ave	0.8112	0.6420		0.0198	0.0250	-20.9	50.0
2-Butanone (MEK)	Ave	0.2538	0.2180		0.0429	0.0500	-14.1	50.0
cis-1,2-Dichloroethene	Ave	0.2686	0.2773		0.0258	0.0250	3.2	50.0
2,2-Dichloropropane	Ave	0.2048	0.2146		0.0262	0.0250	4.8	50.0
Bromochloromethane	Ave	0.1443	0.1465		0.0254	0.0250	1.5	50.0
Tetrahydrofuran	Ave	0.1452	0.1406		0.0484	0.0500	-3.2	50.0
Chloroform	Ave	0.4610	0.4533		0.0246	0.0250	-1.7	20.0
1,1,1-Trichloroethane	Ave	0.3339	0.3555		0.0266	0.0250	6.5	50.0
Cyclohexane	Ave	0.4447	0.4829		0.0271	0.0250	8.6	50.0
1,1-Dichloropropene	Ave	0.3124	0.3144		0.0252	0.0250	0.7	50.0
Carbon tetrachloride	Ave	0.3100	0.3335		0.0269	0.0250	7.6	50.0
Isobutyl alcohol	Ave	0.0181	0.0192		0.664	0.625	6.3	50.0
1,2-Dichloroethane	Ave	0.4574	0.4623		0.0253	0.0250	1.1	50.0
Benzene	Ave	0.9290	0.9360		0.0252	0.0250	0.8	50.0
n-Heptane	Ave	0.0726	0.0732		0.0252	0.0250	0.9	50.0
Trichloroethene	Ave	0.2775	0.2886		0.0260	0.0250	4.0	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247528/13 Calibration Date: 09/20/2016 10:07

Instrument ID: A3UX8 Calib Start Date: 09/20/2016 06:31

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/20/2016 09:03

Lab File ID: UX86168.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.3802	0.4070		0.0268	0.0250	7.0	50.0
1,2-Dichloropropane	Ave	0.2613	0.2710		0.0259	0.0250	3.7	20.0
1,4-Dioxane	Ave	0.0032	0.0032		0.499	0.500	-0.3	50.0
Dibromomethane	Ave	0.1529	0.1562		0.0255	0.0250	2.2	50.0
Bromodichloromethane	Ave	0.3139	0.3212		0.0256	0.0250	2.3	50.0
2-Chloroethyl vinyl ether	Ave	0.0657	0.0588		0.0224	0.0250	-10.6	50.0
cis-1,3-Dichloropropene	Ave	0.3600	0.3631		0.0252	0.0250	0.9	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.4387	0.4600		0.0524	0.0500	4.8	50.0
Toluene	Ave	1.366	1.367		0.0250	0.0250	0.1	20.0
trans-1,3-Dichloropropene	Ave	0.4528	0.4364		0.0241	0.0250	-3.6	50.0
Ethyl methacrylate	Ave	0.4331	0.4829		0.0279	0.0250	11.5	50.0
1,1,2-Trichloroethane	Ave	0.3064	0.3070		0.0250	0.0250	0.2	50.0
1,3-Dichloropropane	Ave	0.5277	0.5162		0.0245	0.0250	-2.2	50.0
Tetrachloroethene	Ave	0.2917	0.2895		0.0248	0.0250	-0.8	50.0
2-Hexanone	Ave	0.4591	0.4625		0.0504	0.0500	0.7	50.0
Dibromochloromethane	Ave	0.3418	0.3279		0.0240	0.0250	-4.1	50.0
1,2-Dibromoethane	Ave	0.3166	0.3277		0.0259	0.0250	3.5	50.0
Chlorobenzene	Ave	0.998	0.9479	0.3000	0.0237	0.0250	-5.0	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3434	0.3440		0.0250	0.0250	0.2	50.0
Ethylbenzene	Ave	0.4833	0.4768		0.0247	0.0250	-1.3	20.0
m-Xylene & p-Xylene	Ave	0.5783	0.6031		0.0261	0.0250	4.3	50.0
o-Xylene	Ave	0.5858	0.5880		0.0251	0.0250	0.4	50.0
Styrene	Ave	0.9511	0.9806		0.0258	0.0250	3.1	50.0
Bromoform	Ave	0.2042	0.2072	0.1000	0.0254	0.0250	1.5	50.0
Isopropylbenzene	Ave	1.499	1.511		0.0252	0.0250	0.8	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6953	0.7012	0.3000	0.0252	0.0250	0.9	50.0
1,2,3-Trichloropropane	Ave	0.2728	0.3031		0.0278	0.0250	11.1	50.0
Bromobenzene	Ave	0.8136	0.8016		0.0246	0.0250	-1.5	50.0
trans-1,4-Dichloro-2-butene	Ave	0.3089	0.3126		0.0253	0.0250	1.2	50.0
N-Propylbenzene	Ave	0.8005	0.8278		0.0259	0.0250	3.4	50.0
2-Chlorotoluene	Ave	0.7156	0.7129		0.0249	0.0250	-0.4	50.0
1,3,5-Trimethylbenzene	Ave	2.302	2.413		0.0262	0.0250	4.8	50.0
4-Chlorotoluene	Ave	0.7703	0.7705		0.0250	0.0250	0.0	50.0
tert-Butylbenzene	Ave	2.341	2.348		0.0251	0.0250	0.3	50.0
1,2,4-Trimethylbenzene	Ave	2.372	2.487		0.0262	0.0250	4.9	50.0
sec-Butylbenzene	Ave	2.860	2.932		0.0256	0.0250	2.5	50.0
1,3-Dichlorobenzene	Ave	1.521	1.469		0.0241	0.0250	-3.4	50.0
p-Isopropyltoluene	Ave	2.590	2.683		0.0259	0.0250	3.6	50.0
1,4-Dichlorobenzene	Ave	1.570	1.529		0.0243	0.0250	-2.6	50.0
n-Butylbenzene	Ave	2.007	2.035		0.0253	0.0250	1.4	50.0
1,2-Dichlorobenzene	Ave	1.477	1.448		0.0245	0.0250	-1.9	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247528/13 Calibration Date: 09/20/2016 10:07

Instrument ID: A3UX8 Calib Start Date: 09/20/2016 06:31

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/20/2016 09:03

Lab File ID: UX86168.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1447	0.1497		0.0259	0.0250	3.4	50.0
1,2,4-Trichlorobenzene	Ave	0.9589	0.9212		0.0240	0.0250	-3.9	50.0
Hexachlorobutadiene	Ave	0.4653	0.4619		0.0248	0.0250	-0.7	50.0
Naphthalene	Ave	2.459	2.464		0.0251	0.0250	0.2	50.0
1,2,3-Trichlorobenzene	Ave	0.9418	0.8663		0.0230	0.0250	-8.0	50.0
Dibromofluoromethane (Surr)	Lin1		0.2395		0.0472	0.0500	-5.6	50.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.3096		0.0445	0.0500	-11.0	50.0
Toluene-d8 (Surr)	Lin1		1.226		0.0498	0.0500	-0.5	50.0
4-Bromofluorobenzene (Surr)	Lin1		0.4640		0.0473	0.0500	-5.4	50.0

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab File ID: BFB8185.D BFB Injection Date: 09/21/2016

Instrument ID: A3UX8 BFB Injection Time: 03:15

Analysis Batch No.: 247710

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	29.1	
75	30.0 - 60.0 % of mass 95	51.5	
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	50.0 - 120.00 % of mass 95	79.6	
175	5.0 - 9.0 % of mass 174	6.0	(7.5) 1
176	95.0 - 101.0 % of mass 174	76.6	(96.3) 1
177	5.0 - 9.0 % of mass 176	5.1	(6.7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STDA9 240-247710/4	UX86173.D	09/21/2016	04:10
	STDA9 240-247710/5	UX86174.D	09/21/2016	04:32
	STDA9 240-247710/6	UX86175.D	09/21/2016	04:53
	STDA9 240-247710/7	UX86176.D	09/21/2016	05:14
	STDA9 240-247710/8	UX86177.D	09/21/2016	05:35
	STDA9 240-247710/9	UX86178.D	09/21/2016	05:57
	STDA9 240-247710/10	UX86179.D	09/21/2016	06:18
	STDA9 240-247710/11	UX86180.D	09/21/2016	06:40

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247710

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 09/21/2016 04:10 Calibration End Date: 09/21/2016 06:40 Calibration ID: 36128

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-247710/11	UX86180.D
Level 2	STDA9 240-247710/10	UX86179.D
Level 3	STDA9 240-247710/9	UX86178.D
Level 4	STDA9 240-247710/8	UX86177.D
Level 5	STDA9 240-247710/7	UX86176.D
Level 6	STDA9 240-247710/6	UX86175.D
Level 7	STDA9 240-247710/5	UX86174.D
Level 8	STDA9 240-247710/4	UX86173.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Acetonitrile	0.0667 0.0582	0.0541 0.0502	0.0552 0.0487	0.0549	0.0518	Ave		0.0550				10.3		15.0			
Diisopropyl ether	0.2352 0.2396	0.2110 0.2260	0.2243 0.2217	0.2379	0.2095	Ave		0.2257				5.1		15.0			
2-Chloro-1,3-butadiene	0.4319 0.5207	0.4085 0.5312	0.4804 0.5206	0.4834	0.4727	Ave		0.4812				9.1		15.0			
Ethyl tert-butyl ether	0.9013 1.0358	0.8495 0.9778	0.9546 0.9660	0.9949	0.9043	Ave		0.9480				6.3		15.0			
Ethyl acetate	0.4620 0.4584	0.3907 0.4028	0.4322 0.4180	0.4201	0.4174	Ave		0.4252				5.9		15.0			
Propionitrile	0.0548 0.0586	0.0467 0.0511	0.0533 0.0504	0.0525	0.0521	Ave		0.0524				6.6		15.0			
Methacrylonitrile	0.2645 0.2896	0.2406 0.2587	0.2683 0.2609	0.2675	0.2636	Ave		0.2642				5.1		15.0			
Tert-amyl methyl ether	0.6973 0.7799	0.6337 0.7177	0.7329 0.7151	0.7160	0.7052	Ave		0.7122				5.7		15.0			
n-Butanol	0.0104 0.0118	0.0084 0.0104	0.0125 0.0108	0.0092	0.0102	Ave		0.0105				12.5		15.0			
Ethyl acrylate	0.4077 0.4637	0.3418 0.4198	0.4053 0.4511	0.4152	0.4302	Ave		0.4169				8.8		15.0			
Methyl methacrylate	0.3645 0.3994	0.3461 0.3685	0.3736 0.3906	0.3800	0.3810	Ave		0.3755				4.4		15.0			
2-Nitropropane	+++++ 0.1128	+++++ 0.1088	0.0787 0.1208	0.0795	0.0902	Lin1	-0.616	0.1182							0.9970		0.9900
n-Butyl acetate	+++++ 0.7515	+++++ 0.6530	0.7512 0.6772	0.6875	0.6719	Ave		0.6987				6.0		15.0			
1-Chlorohexane	0.3788 0.3842	0.3639 0.4026	0.3786 0.4087	0.3823	0.3762	Ave		0.3844				3.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247710

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 09/21/2016 04:10 Calibration End Date: 09/21/2016 06:40 Calibration ID: 36128

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Cyclohexanone	0.0135 0.0178	0.0142 0.0156	0.0197 0.0155	0.0144	0.0152	Ave		0.0157				13.0		15.0			
Pentachloroethane	+++++ 0.3823	0.2059 0.4052	0.2280 0.3941	0.3001	0.3244	Lin1	-1.224	0.3974							0.9980		0.9900
1,2,3-Trimethylbenzene	2.2430 2.6449	2.0508 2.6040	2.3355 2.5354	2.5283	2.4396	Ave		2.4227				8.3		15.0			
Benzyl chloride	+++++ 0.2766	+++++ 0.2923	0.1431 0.3301	0.1599	0.1988	Lin1	-1.363	0.3209							0.9930		0.9900
1,3,5-Trichlorobenzene	0.9652 1.0738	0.9534 1.0457	1.0048 1.0074	1.0434	0.9840	Ave		1.0097				4.2		15.0			
2-Methylnaphthalene	+++++ 1.8204	+++++ 1.6932	1.3629 1.6661	1.4252	1.5389	Ave		1.5845				11.0		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247710

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 09/21/2016 04:10 Calibration End Date: 09/21/2016 06:40 Calibration ID: 36128

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDA9 240-247710/11	UX86180.D
Level 2	STDA9 240-247710/10	UX86179.D
Level 3	STDA9 240-247710/9	UX86178.D
Level 4	STDA9 240-247710/8	UX86177.D
Level 5	STDA9 240-247710/7	UX86176.D
Level 6	STDA9 240-247710/6	UX86175.D
Level 7	STDA9 240-247710/5	UX86174.D
Level 8	STDA9 240-247710/4	UX86173.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Acetonitrile	FB	Ave	14360 631702	24546 1149286	62499 2222548	121032	236092	10.0 500	20.0 1000	50.0 2000	100	200
Diisopropyl ether	FB	Ave	5061 259945	9567 517310	25423 1011817	52503	95506	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Chloro-1,3-butadiene	FB	Ave	9292 564823	18524 1216190	54440 2376336	106673	215525	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethyl tert-butyl ether	FB	Ave	19393 1123533	38522 2238617	108175 4409138	219523	412259	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethyl acetate	FB	Ave	19880 994571	35434 1844359	97957 3816110	185384	380553	2.00 100	4.00 200	10.0 400	20.0	40.0
Propionitrile	FB	Ave	11784 635647	21179 1169968	60388 2300731	115822	237523	10.0 500	20.0 1000	50.0 2000	100	200
Methacrylonitrile	FB	Ave	56912 3140961	109077 5923411	304094 11909222	590350	1201756	10.0 500	20.0 1000	50.0 2000	100	200
Tert-amyl methyl ether	FB	Ave	15003 846010	28737 1643052	83049 3264125	157985	321503	1.00 50.0	2.00 100	5.00 200	10.0	20.0
n-Butanol	FB	Ave	5603 319940	9508 596560	35425 1229498	50833	116610	25.0 1250	50.0 2500	125 5000	250	500
Ethyl acrylate	FB	Ave	8772 502995	15500 961099	45932 2058975	91626	196149	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Methyl methacrylate	FB	Ave	15686 866395	31391 1687175	84686 3565381	167686	347382	2.00 100	4.00 200	10.0 400	20.0	40.0
2-Nitropropane	FB	Lin1	+++++ 244754	+++++ 498260	17826 1102525	35094	82277	+++++ 100	+++++ 200	10.0 400	20.0	40.0
n-Butyl acetate	FB	Ave	+++++ 815140	+++++ 1494988	85123 3090786	151709	306323	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
1-Chlorohexane	CBNZ d5	Ave	6397 310386	12289 679974	32404 1389013	63421	128315	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Cyclohexanone	CBNZ d5	Ave	2283 143795	4799 263433	16892 525083	23957	51886	10.0 500	20.0 1000	50.0 2000	100	200

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247710

SDG No.:

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 09/21/2016 04:10 Calibration End Date: 09/21/2016 06:40 Calibration ID: 36128

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Pentachloroethane	DCBd 4	Lin1	+++++ 332588	7052 728728	20042 1448266	50638	116605	+++++ 100	4.00 200	10.0 400	20.0	40.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	19419 1150372	35124 2341690	102627 4658497	213332	438492	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Benzyl chloride	DCBd 4	Lin1	+++++ 120300	+++++ 262867	6286 606573	13492	35734	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	8356 467028	16329 940416	44152 1851041	88044	176873	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Methylnaphthalene	DCBd 4	Ave	+++++ 1583516	+++++ 3045394	119781 6122759	240510	553223	+++++ 100	+++++ 200	10.0 400	20.0	40.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab File ID: BFB8186.D BFB Injection Date: 09/22/2016

Instrument ID: A3UX8 BFB Injection Time: 04:18

Analysis Batch No.: 247907

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	26.7	
75	30.0 - 60.0 % of mass 95	50.2	
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	0.2	(0.2) 1
174	50.0 - 120.00 % of mass 95	88.5	
175	5.0 - 9.0 % of mass 174	6.8	(7.7) 1
176	95.0 - 101.0 % of mass 174	86.8	(98.1) 1
177	5.0 - 9.0 % of mass 176	5.6	(6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 240-247907/4	UX86186.D	09/22/2016	04:49
	CCV 240-247907/5	UX86187.D	09/22/2016	05:11
	LCS 240-247907/6	UX86188.D	09/22/2016	05:33
	MB 240-247907/7	UX86189.D	09/22/2016	05:54
DR-TP-A64-PRE-EX	240-69767-61	UX86201.D	09/22/2016	10:39

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCVIS 240-247907/4 Calibration Date: 09/22/2016 04:49

Instrument ID: A3UX8 Calib Start Date: 09/20/2016 06:31

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/20/2016 09:03

Lab File ID: UX86186.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.2136	0.2335		0.0219	0.0200	9.3	50.0
Chloromethane	Ave	0.3263	0.3275	0.1000	0.0201	0.0200	0.4	50.0
Vinyl chloride	Ave	0.2062	0.2059		0.0200	0.0200	-0.2	20.0
Butadiene	Ave	0.2284	0.2490		0.0218	0.0200	9.0	50.0
Bromomethane	Ave	0.0948	0.0957		0.0202	0.0200	1.0	50.0
Chloroethane	Ave	0.1195	0.1162		0.0194	0.0200	-2.8	50.0
Dichlorofluoromethane	Ave	0.2811	0.2788		0.0198	0.0200	-0.8	50.0
Trichlorofluoromethane	Ave	0.2668	0.2924		0.0219	0.0200	9.6	50.0
Ethyl ether	Ave	0.2654	0.2391		0.0180	0.0200	-9.9	50.0
Acrolein	Ave	0.0531	0.0464		0.0875	0.100	-12.5	50.0
1,1-Dichloroethene	Ave	0.1907	0.1921		0.0201	0.0200	0.7	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.1556	0.1695		0.0218	0.0200	8.9	50.0
Acetone	Lin1		0.1863		0.0365	0.0400	-8.7	50.0
Iodomethane	Ave	0.3547	0.3460		0.0195	0.0200	-2.5	50.0
Carbon disulfide	Ave	0.5003	0.5409		0.0216	0.0200	8.1	50.0
3-Chloro-1-propene	Ave	0.1157	0.1189		0.0205	0.0200	2.7	50.0
Methyl acetate	Ave	0.3277	0.2858		0.0872	0.100	-12.8	50.0
Methylene Chloride	Lin1		0.2564		0.0197	0.0200	-1.3	50.0
tert-Butyl alcohol	Ave	0.0425	0.0333		0.157	0.200	-21.5	50.0
Acrylonitrile	Ave	0.1364	0.1210		0.177	0.200	-11.3	50.0
Methyl tert-butyl ether	Ave	0.7934	0.7048		0.0178	0.0200	-11.2	50.0
trans-1,2-Dichloroethene	Ave	0.2272	0.2218		0.0195	0.0200	-2.4	50.0
Hexane	Ave	0.0714	0.0694		0.0194	0.0200	-2.8	20.0
1,1-Dichloroethane	Ave	0.4545	0.4393	0.1000	0.0193	0.0200	-3.3	50.0
Vinyl acetate	Ave	0.8112	0.7007		0.0173	0.0200	-13.6	50.0
2-Butanone (MEK)	Ave	0.2538	0.2162		0.0341	0.0400	-14.8	50.0
2,2-Dichloropropane	Ave	0.2048	0.2191		0.0214	0.0200	7.0	50.0
cis-1,2-Dichloroethene	Ave	0.2686	0.2592		0.0193	0.0200	-3.5	50.0
Bromochloromethane	Ave	0.1443	0.1291		0.0179	0.0200	-10.6	50.0
Tetrahydrofuran	Ave	0.1452	0.1217		0.0335	0.0400	-16.2	50.0
Chloroform	Ave	0.4610	0.4197		0.0182	0.0200	-9.0	20.0
1,1,1-Trichloroethane	Ave	0.3339	0.3383		0.0203	0.0200	1.3	50.0
Cyclohexane	Ave	0.4447	0.4650		0.0209	0.0200	4.6	50.0
1,1-Dichloropropene	Ave	0.3124	0.3147		0.0201	0.0200	0.7	50.0
Carbon tetrachloride	Ave	0.3100	0.3221		0.0208	0.0200	3.9	50.0
Isobutyl alcohol	Ave	0.0181	0.0151		0.417	0.500	-16.6	50.0
1,2-Dichloroethane	Ave	0.4574	0.4167		0.0182	0.0200	-8.9	50.0
Benzene	Ave	0.9290	0.8879		0.0191	0.0200	-4.4	50.0
n-Heptane	Ave	0.0726	0.0804		0.0222	0.0200	10.8	50.0
Trichloroethene	Ave	0.2775	0.2729		0.0197	0.0200	-1.7	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCVIS 240-247907/4 Calibration Date: 09/22/2016 04:49

Instrument ID: A3UX8 Calib Start Date: 09/20/2016 06:31

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/20/2016 09:03

Lab File ID: UX86186.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloropropane	Ave	0.2613	0.2381		0.0182	0.0200	-8.9	20.0
Methylcyclohexane	Ave	0.3802	0.3989		0.0210	0.0200	4.9	50.0
1,4-Dioxane	Ave	0.0032	0.0028		0.354	0.400	-11.6	50.0
Dibromomethane	Ave	0.1529	0.1455		0.0190	0.0200	-4.8	50.0
Bromodichloromethane	Ave	0.3139	0.2961		0.0189	0.0200	-5.7	50.0
2-Chloroethyl vinyl ether	Ave	0.0657	0.0488		0.0297	0.0400	-25.7	50.0
cis-1,3-Dichloropropene	Ave	0.3600	0.3304		0.0184	0.0200	-8.2	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.4387	0.3955		0.0361	0.0400	-9.9	50.0
Toluene	Ave	1.366	1.290		0.0189	0.0200	-5.5	20.0
trans-1,3-Dichloropropene	Ave	0.4528	0.4032		0.0178	0.0200	-10.9	50.0
Ethyl methacrylate	Ave	0.4331	0.4091		0.0189	0.0200	-5.6	50.0
1,1,2-Trichloroethane	Ave	0.3064	0.2757		0.0180	0.0200	-10.0	50.0
1,3-Dichloropropane	Ave	0.5277	0.4626		0.0175	0.0200	-12.3	50.0
Tetrachloroethene	Ave	0.2917	0.2973		0.0204	0.0200	1.9	50.0
2-Hexanone	Ave	0.4591	0.4038		0.0352	0.0400	-12.1	50.0
Dibromochloromethane	Ave	0.3418	0.3078		0.0180	0.0200	-10.0	50.0
1,2-Dibromoethane	Ave	0.3166	0.2781		0.0176	0.0200	-12.2	50.0
Chlorobenzene	Ave	0.998	0.9147	0.3000	0.0183	0.0200	-8.3	50.0
1,1,1,2-Tetrachloroethane	Ave	0.3434	0.3353		0.0195	0.0200	-2.4	50.0
Ethylbenzene	Ave	0.4833	0.4693		0.0194	0.0200	-2.9	20.0
m-Xylene & p-Xylene	Ave	0.5783	0.5855		0.0202	0.0200	1.2	50.0
o-Xylene	Ave	0.5858	0.5860		0.0200	0.0200	0.0	50.0
Styrene	Ave	0.9511	0.9292		0.0195	0.0200	-2.3	50.0
Bromoform	Ave	0.2042	0.1755	0.1000	0.0172	0.0200	-14.1	50.0
Isopropylbenzene	Ave	1.499	1.476		0.0197	0.0200	-1.5	50.0
1,1,2,2-Tetrachloroethane	Ave	0.6953	0.6075	0.3000	0.0175	0.0200	-12.6	50.0
Bromobenzene	Ave	0.8136	0.7297		0.0179	0.0200	-10.3	50.0
1,2,3-Trichloropropane	Ave	0.2728	0.2387		0.0175	0.0200	-12.5	50.0
trans-1,4-Dichloro-2-butene	Ave	0.3089	0.2696		0.0175	0.0200	-12.7	50.0
N-Propylbenzene	Ave	0.8005	0.7938		0.0198	0.0200	-0.8	50.0
2-Chlorotoluene	Ave	0.7156	0.6965		0.0195	0.0200	-2.7	50.0
1,3,5-Trimethylbenzene	Ave	2.302	2.315		0.0201	0.0200	0.6	50.0
4-Chlorotoluene	Ave	0.7703	0.7277		0.0189	0.0200	-5.5	50.0
tert-Butylbenzene	Ave	2.341	2.240		0.0191	0.0200	-4.3	50.0
1,2,4-Trimethylbenzene	Ave	2.372	2.356		0.0199	0.0200	-0.6	50.0
sec-Butylbenzene	Ave	2.860	2.916		0.0204	0.0200	1.9	50.0
1,3-Dichlorobenzene	Ave	1.521	1.434		0.0189	0.0200	-5.7	50.0
p-Isopropyltoluene	Ave	2.590	2.663		0.0206	0.0200	2.9	50.0
1,4-Dichlorobenzene	Ave	1.570	1.459		0.0186	0.0200	-7.1	50.0
n-Butylbenzene	Ave	2.007	2.137		0.0213	0.0200	6.4	50.0
1,2-Dichlorobenzene	Ave	1.477	1.346		0.0182	0.0200	-8.8	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCVIS 240-247907/4 Calibration Date: 09/22/2016 04:49

Instrument ID: A3UX8 Calib Start Date: 09/20/2016 06:31

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/20/2016 09:03

Lab File ID: UX86186.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromo-3-Chloropropane	Ave	0.1447	0.1111		0.0154	0.0200	-23.2	50.0
1,2,4-Trichlorobenzene	Ave	0.9589	0.8721		0.0182	0.0200	-9.0	50.0
Hexachlorobutadiene	Ave	0.4653	0.4655		0.0200	0.0200	0.0	50.0
Naphthalene	Ave	2.459	1.949		0.0159	0.0200	-20.7	50.0
1,2,3-Trichlorobenzene	Ave	0.9418	0.8074		0.0171	0.0200	-14.3	50.0
Dibromofluoromethane (Surr)	Lin1		0.2179		0.0428	0.0500	-14.3	50.0
1,2-Dichloroethane-d4 (Surr)	Lin1		0.2814		0.0403	0.0500	-19.4	50.0
Toluene-d8 (Surr)	Lin1		1.107		0.0448	0.0500	-10.4	50.0
4-Bromofluorobenzene (Surr)	Lin1		0.4244		0.0431	0.0500	-13.8	50.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-247907/5 Calibration Date: 09/22/2016 05:11

Instrument ID: A3UX8 Calib Start Date: 09/21/2016 04:10

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 09/21/2016 06:40

Lab File ID: UX86187.D Conc. Units: ng/uL Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acetonitrile	Ave	0.0550	0.0517		0.188	0.200	-5.9	50.0
Diisopropyl ether	Ave	0.2257	0.2199		0.0195	0.0200	-2.6	50.0
2-Chloro-1,3-butadiene	Ave	0.4812	0.4807		0.0200	0.0200	-0.1	50.0
Ethyl tert-butyl ether	Ave	0.9480	0.8992		0.0190	0.0200	-5.2	50.0
Ethyl acetate	Ave	0.4252	0.4094		0.0385	0.0400	-3.7	50.0
Propionitrile	Ave	0.0524	0.0507		0.193	0.200	-3.4	50.0
Methacrylonitrile	Ave	0.2642	0.2630		0.199	0.200	-0.5	50.0
Tert-amyl methyl ether	Ave	0.7122	0.6787		0.0191	0.0200	-4.7	50.0
n-Butanol	Ave	0.0105	0.0093		0.443	0.500	-11.4	50.0
Methyl methacrylate	Ave	0.3755	0.3627		0.0386	0.0400	-3.4	50.0
2-Nitropropane	Lin1		0.0938		0.0369	0.0400	-7.6	50.0
1-Chlorohexane	Ave	0.3844	0.3734		0.0194	0.0200	-2.9	50.0
Cyclohexanone	Ave	0.0157	0.0128		0.162	0.200	-18.8	50.0
Pentachloroethane	Lin1		0.3404		0.0373	0.0400	-6.6	50.0
1,2,3-Trimethylbenzene	Ave	2.423	2.336		0.0193	0.0200	-3.6	50.0
1,3,5-Trichlorobenzene	Ave	1.010	0.9549		0.0189	0.0200	-5.4	50.0
2-Methylnaphthalene	Ave	1.584	1.177		0.0297	0.0400	-25.7	50.0

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab File ID: UX86189.D Lab Sample ID: MB 240-247907/7

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: A3UX8 Date Analyzed: 09/22/2016 05:54

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-247907/6	UX86188.D	09/22/2016 05:33
DR-TP-A64-PRE-EX	240-69767-61	UX86201.D	09/22/2016 10:39

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-247907/7

Matrix: Solid | Lab File ID: UX86189.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/22/2016 05:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 247907 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U	5.0	0.50
563-58-6	1,1-Dichloropropene	0.37	U	5.0	0.37
75-34-3	1,1-Dichloroethane	0.34	U	5.0	0.34
87-61-6	1,2,3-Trichlorobenzene	0.649	J	5.0	0.50
96-18-4	1,2,3-Trichloropropane	0.78	U	5.0	0.78
107-06-2	1,2-Dichloroethane	0.46	U	5.0	0.46
75-35-4	1,1-Dichloroethene	0.80	U	5.0	0.80
526-73-8	1,2,3-Trimethylbenzene	0.46	U	5.0	0.46
78-87-5	1,2-Dichloropropane	0.14	U	5.0	0.14
95-63-6	1,2,4-Trimethylbenzene	0.58	U	5.0	0.58
591-78-6	2-Hexanone	0.68	U	20	0.68
79-34-5	1,1,2,2-Tetrachloroethane	0.31	U	5.0	0.31
67-64-1	Acetone	5.7	U	20	5.7
71-43-2	Benzene	0.90	U	5.0	0.90
75-25-2	Bromoform	0.24	U	5.0	0.24
74-83-9	Bromomethane	0.42	U	5.0	0.42
75-15-0	Carbon disulfide	0.59	U	5.0	0.59
56-23-5	Carbon tetrachloride	0.65	U	5.0	0.65
71-55-6	1,1,1-Trichloroethane	0.65	U	5.0	0.65
108-90-7	Chlorobenzene	0.53	U	5.0	0.53
142-28-9	1,3-Dichloropropane	0.40	U	5.0	0.40
75-00-3	Chloroethane	0.44	U	5.0	0.44
96-12-8	1,2-Dibromo-3-Chloropropane	2.7	U	10	2.7
67-66-3	Chloroform	0.36	U	5.0	0.36
74-87-3	Chloromethane	0.79	U	5.0	0.79
156-59-2	cis-1,2-Dichloroethene	0.28	U	5.0	0.28
10061-01-5	cis-1,3-Dichloropropene	0.71	U	5.0	0.71
75-27-4	Bromodichloromethane	0.29	U	5.0	0.29
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	0.42	U	5.0	0.42
75-71-8	Dichlorodifluoromethane	0.28	U	5.0	0.28
120-82-1	1,2,4-Trichlorobenzene	0.519	J	5.0	0.38
100-41-4	Ethylbenzene	0.32	U	5.0	0.32
106-93-4	1,2-Dibromoethane	0.53	U	5.0	0.53
594-20-7	2,2-Dichloropropane	0.44	U	5.0	0.44
95-50-1	1,2-Dichlorobenzene	0.34	U	5.0	0.34

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-247907/7

Matrix: Solid | Lab File ID: UX86189.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/22/2016 05:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 247907 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
541-73-1	1,3-Dichlorobenzene	0.69	U	5.0	0.69
106-46-7	1,4-Dichlorobenzene	0.28	U	5.0	0.28
110-75-8	2-Chloroethyl vinyl ether	0.64	U	50	0.64
98-82-8	Isopropylbenzene	0.20	U	5.0	0.20
95-49-8	2-Chlorotoluene	0.30	U	5.0	0.30
78-93-3	2-Butanone (MEK)	1.1	U	20	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	1.2	U	20	1.2
108-86-1	Bromobenzene	0.33	U	5.0	0.33
1634-04-4	Methyl tert-butyl ether	0.43	U	5.0	0.43
74-97-5	Bromochloromethane	0.33	U	5.0	0.33
75-09-2	Methylene Chloride	0.74	U	5.0	0.74
106-43-4	4-Chlorotoluene	0.26	U	5.0	0.26
99-87-6	p-Isopropyltoluene	0.41	U	5.0	0.41
100-42-5	Styrene	0.40	U	5.0	0.40
179601-23-1	m-Xylene & p-Xylene	0.42	U	10	0.42
95-47-6	o-Xylene	0.57	U	5.0	0.57
87-68-3	Hexachlorobutadiene	0.40	U	5.0	0.40
127-18-4	Tetrachloroethene	0.80	U	5.0	0.80
74-95-3	Dibromomethane	0.42	U	5.0	0.42
108-88-3	Toluene	0.27	U	5.0	0.27
108-20-3	Diisopropyl ether	0.59	U	10	0.59
91-20-3	Naphthalene	0.836	J	5.0	0.35
156-60-5	trans-1,2-Dichloroethene	0.32	U	5.0	0.32
104-51-8	n-Butylbenzene	0.59	U	5.0	0.59
10061-02-6	trans-1,3-Dichloropropene	0.29	U	5.0	0.29
103-65-1	N-Propylbenzene	0.60	U	5.0	0.60
79-01-6	Trichloroethene	0.38	U	5.0	0.38
135-98-8	sec-Butylbenzene	0.91	U	5.0	0.91
75-69-4	Trichlorofluoromethane	0.29	U	5.0	0.29
994-05-8	Tert-amyl methyl ether	0.43	U	5.0	0.43
637-92-3	Ethyl tert-butyl ether	0.41	U	5.0	0.41
98-06-6	tert-Butylbenzene	0.67	U	5.0	0.67
75-01-4	Vinyl chloride	0.30	U	5.0	0.30
108-05-4	Vinyl acetate	0.66	U	10	0.66
75-65-0	tert-Butyl alcohol	5.7	U	200	5.7
1330-20-7	Xylenes, Total	0.54	U	10	0.54

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-247907/7

Matrix: Solid Lab File ID: UX86189.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 09/22/2016 05:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 247907 Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
124-48-1	Dibromochloromethane	0.37	U	5.0	0.37

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		61-123
460-00-4	4-Bromofluorobenzene (Surr)	88		62-124
2037-26-5	Toluene-d8 (Surr)	92		72-130
1868-53-7	Dibromofluoromethane (Surr)	86		60-125

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-247907/7

Matrix: Solid | Lab File ID: UX86189.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 09/22/2016 05:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 247907 | Units: ug/Kg

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX86188.D

Lab ID: LCS 240-247907/6 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	50.0	50.0	100	71-135	
1,1-Dichloropropene	50.0	51.8	104	74-130	
1,1-Dichloroethane	50.0	49.2	98	72-122	
1,2,3-Trichlorobenzene	50.0	44.1	88	67-120	
1,2,3-Trichloropropane	50.0	47.7	95	75-129	
1,2-Dichloroethane	50.0	46.9	94	74-122	
1,1-Dichloroethene	50.0	54.1	108	63-141	
1,2-Dichloropropane	50.0	49.7	99	78-122	
1,2,4-Trimethylbenzene	50.0	50.7	101	77-130	
2-Hexanone	100	89.7	90	53-132	
1,1,2,2-Tetrachloroethane	50.0	48.5	97	71-131	
Acetone	100	73.2	73	22-141	
Benzene	50.0	49.6	99	76-121	
Bromoform	50.0	52.8	106	49-146	
Bromomethane	50.0	53.8	108	10-157	
Carbon disulfide	50.0	57.7	115	27-177	
Carbon tetrachloride	50.0	54.6	109	58-151	
1,1,1-Trichloroethane	50.0	53.5	107	65-141	
Chlorobenzene	50.0	46.7	93	76-120	
1,3-Dichloropropane	50.0	47.0	94	76-120	
Chloroethane	50.0	51.8	104	10-156	
1,2-Dibromo-3-Chloropropane	50.0	50.0	100	44-149	
Chloroform	50.0	46.8	94	73-124	
Chloromethane	50.0	50.3	101	44-124	
cis-1,2-Dichloroethene	50.0	49.6	99	78-122	
cis-1,3-Dichloropropene	50.0	51.7	103	66-129	
Bromodichloromethane	50.0	51.7	103	63-133	
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	54.6	109	65-141	
Dichlorodifluoromethane	50.0	56.1	112	10-139	
1,2,4-Trichlorobenzene	50.0	46.2	92	65-127	
Ethylbenzene	50.0	49.5	99	75-124	
1,2-Dibromoethane	50.0	50.0	100	79-132	
2,2-Dichloropropane	50.0	50.4	101	45-154	
1,2-Dichlorobenzene	50.0	45.8	92	75-120	
1,3-Dichlorobenzene	50.0	46.9	94	75-120	
1,4-Dichlorobenzene	50.0	46.9	94	72-120	
2-Chloroethyl vinyl ether	50.0	46.8 J	94	15-176	
Isopropylbenzene	50.0	50.9	102	77-135	
2-Chlorotoluene	50.0	49.3	99	78-124	
2-Butanone (MEK)	100	80.7	81	44-132	
4-Methyl-2-pentanone (MIBK)	100	97.9	98	64-136	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: UX86188.D

Lab ID: LCS 240-247907/6 Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Bromobenzene	50.0	47.5	95	80-120	
Methyl tert-butyl ether	50.0	46.5	93	76-126	
Bromochloromethane	50.0	48.1	96	79-122	
Methylene Chloride	50.0	50.1	100	66-138	
4-Chlorotoluene	50.0	48.2	96	77-121	
p-Isopropyltoluene	50.0	51.9	104	75-135	
Styrene	50.0	51.4	103	80-127	
m-Xylene & p-Xylene	50.0	50.4	101	76-124	
o-Xylene	50.0	48.6	97	77-124	
Hexachlorobutadiene	50.0	49.6	99	64-141	
Tetrachloroethene	50.0	51.0	102	74-129	
Dibromomethane	50.0	49.3	99	78-124	
Toluene	50.0	49.0	98	72-124	
Naphthalene	50.0	46.2	92	63-133	
trans-1,2-Dichloroethene	50.0	53.2	106	75-132	
n-Butylbenzene	50.0	51.8	104	71-136	
trans-1,3-Dichloropropene	50.0	49.3	99	59-126	
N-Propylbenzene	50.0	51.0	102	77-132	
Trichloroethene	50.0	50.2	100	77-129	
sec-Butylbenzene	50.0	50.7	101	75-133	
Trichlorofluoromethane	50.0	54.7	109	46-141	
tert-Butylbenzene	50.0	52.9	106	74-137	
Vinyl chloride	50.0	52.5	105	52-129	
Vinyl acetate	50.0	39.7	79	46-148	
tert-Butyl alcohol	500	415	83	41-152	
Xylenes, Total	100	99.0	99	77-124	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab File ID: UXM8068.D Lab Sample ID: LB 240-248076/1-A

Matrix: Solid (TCLP) Heated Purge:(Y/N) N

Instrument ID: A3UX16 Date Analyzed: 09/23/2016 19:53

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-248231/13	UXM8069.D	09/23/2016 20:16
DR-TP-A64-PRE-EX	240-69767-61	UXM8076.D	09/23/2016 23:10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: | Lab Sample ID: LB 240-248076/1-A MB

Matrix: Solid (TCLP) | Lab File ID: UXM8068.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 0.1(mL) | Date Analyzed: 09/23/2016 19:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 248231 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
107-06-2	1,2-Dichloroethane	0.011	U	0.025	0.011
75-35-4	1,1-Dichloroethene	0.0095	U	0.025	0.0095
71-43-2	Benzene	0.0065	U	0.025	0.0065
56-23-5	Carbon tetrachloride	0.0065	U	0.025	0.0065
108-90-7	Chlorobenzene	0.0075	U	0.025	0.0075
67-66-3	Chloroform	0.0080	U	0.025	0.0080
78-93-3	2-Butanone (MEK)	0.029	U	0.25	0.029
127-18-4	Tetrachloroethene	0.015	U	0.025	0.015
79-01-6	Trichloroethene	0.0085	U	0.025	0.0085
75-01-4	Vinyl chloride	0.011	U	0.025	0.011

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	84		73-120
460-00-4	4-Bromofluorobenzene (Surr)	86		69-120
2037-26-5	Toluene-d8 (Surr)	94		76-120
1868-53-7	Dibromofluoromethane (Surr)	93		80-120

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXM8069.D

Lab ID: LCS 240-248231/13 Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
1,2-Dichloroethane	1.00	0.945	94	74-128	
1,1-Dichloroethene	1.00	1.09	109	76-143	
Benzene	1.00	1.06	106	80-122	
Carbon tetrachloride	1.00	1.16	116	60-154	
Chlorobenzene	1.00	1.01	101	80-120	
Chloroform	1.00	1.04	104	80-126	
2-Butanone (MEK)	2.00	1.67	84	57-122	
Tetrachloroethene	1.00	1.15	115	80-122	
Trichloroethene	1.00	1.10	110	80-126	
Vinyl chloride	1.00	0.914	91	65-126	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab File ID: UXR4742.D Lab Sample ID: MB 240-248858/6

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: A3UX17 Date Analyzed: 09/28/2016 15:16

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-248858/4	UXR4739.D	09/28/2016 14:09
TB-092016	240-69767-62	UXR4754.D	09/28/2016 21:29

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-248858/6

Matrix: Water | Lab File ID: UXR4742.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2016 15:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 248858 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
630-20-6	1,1,1,2-Tetrachloroethane	0.28	U	1.0	0.28
563-58-6	1,1-Dichloropropene	0.42	U	1.0	0.42
75-34-3	1,1-Dichloroethane	0.30	U	1.0	0.30
87-61-6	1,2,3-Trichlorobenzene	0.37	U	1.0	0.37
96-18-4	1,2,3-Trichloropropane	0.44	U	1.0	0.44
107-06-2	1,2-Dichloroethane	0.23	U	1.0	0.23
75-35-4	1,1-Dichloroethene	0.45	U	1.0	0.45
526-73-8	1,2,3-Trimethylbenzene	0.47	U	5.0	0.47
78-87-5	1,2-Dichloropropane	0.25	U	1.0	0.25
95-63-6	1,2,4-Trimethylbenzene	0.41	U	1.0	0.41
591-78-6	2-Hexanone	0.48	U	10	0.48
79-34-5	1,1,2,2-Tetrachloroethane	0.22	U	1.0	0.22
67-64-1	Acetone	0.94	U	10	0.94
71-43-2	Benzene	0.35	U	1.0	0.35
75-25-2	Bromoform	0.56	U	1.0	0.56
74-83-9	Bromomethane	0.44	U	1.0	0.44
75-15-0	Carbon disulfide	0.38	U	1.0	0.38
56-23-5	Carbon tetrachloride	0.43	U	1.0	0.43
71-55-6	1,1,1-Trichloroethane	0.44	U	1.0	0.44
108-90-7	Chlorobenzene	0.25	U	1.0	0.25
142-28-9	1,3-Dichloropropane	0.19	U	1.0	0.19
75-00-3	Chloroethane	0.32	U	1.0	0.32
96-12-8	1,2-Dibromo-3-Chloropropane	0.82	U	2.0	0.82
67-66-3	Chloroform	0.25	U	1.0	0.25
74-87-3	Chloromethane	0.44	U	1.0	0.44
156-59-2	cis-1,2-Dichloroethene	0.26	U	1.0	0.26
10061-01-5	cis-1,3-Dichloropropene	0.46	U	1.0	0.46
75-27-4	Bromodichloromethane	0.29	U	1.0	0.29
76-13-1	1,1,2-Trichlorotrifluoroethane	0.45	U	1.0	0.45
75-71-8	Dichlorodifluoromethane	0.32	U	1.0	0.32
120-82-1	1,2,4-Trichlorobenzene	0.32	U	1.0	0.32
100-41-4	Ethylbenzene	0.25	U	1.0	0.25
106-93-4	1,2-Dibromoethane	0.32	U	1.0	0.32
594-20-7	2,2-Dichloropropane	0.26	U	1.0	0.26
95-50-1	1,2-Dichlorobenzene	0.25	U	1.0	0.25
541-73-1	1,3-Dichlorobenzene	0.19	U	1.0	0.19

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-248858/6

Matrix: Water | Lab File ID: UXR4742.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 09/28/2016 15:16

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 248858 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	0.27	U	1.0	0.27
110-75-8	2-Chloroethyl vinyl ether	0.59	U	10	0.59
98-82-8	Isopropylbenzene	0.35	U	1.0	0.35
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40
78-93-3	2-Butanone (MEK)	0.53	U	10	0.53
108-10-1	4-Methyl-2-pentanone (MIBK)	0.99	U	10	0.99
108-86-1	Bromobenzene	0.35	U	1.0	0.35
1634-04-4	Methyl tert-butyl ether	0.20	U	1.0	0.20
74-97-5	Bromochloromethane	0.50	U	1.0	0.50
75-09-2	Methylene Chloride	0.33	U	1.0	0.33
106-43-4	4-Chlorotoluene	0.29	U	1.0	0.29
99-87-6	4-Isopropyltoluene	0.43	U	1.0	0.43
100-42-5	Styrene	0.45	U	1.0	0.45
179601-23-1	m-Xylene & p-Xylene	0.24	U	2.0	0.24
95-47-6	o-Xylene	0.25	U	1.0	0.25
87-68-3	Hexachlorobutadiene	0.35	U	1.0	0.35
127-18-4	Tetrachloroethene	0.31	U	1.0	0.31
74-95-3	Dibromomethane	0.42	U	1.0	0.42
108-88-3	Toluene	0.23	U	1.0	0.23
108-20-3	Diisopropyl ether	0.50	U	10	0.50
91-20-3	Naphthalene	0.45	U	1.0	0.45
156-60-5	trans-1,2-Dichloroethene	0.30	U	1.0	0.30
104-51-8	n-Butylbenzene	0.31	U	1.0	0.31
10061-02-6	trans-1,3-Dichloropropene	0.56	U	1.0	0.56
103-65-1	N-Propylbenzene	0.40	U	1.0	0.40
79-01-6	Trichloroethene	0.22	U	1.0	0.22
135-98-8	sec-Butylbenzene	0.48	U	1.0	0.48
75-69-4	Trichlorofluoromethane	0.49	U	1.0	0.49
994-05-8	Tert-amyl methyl ether	0.30	U	5.0	0.30
637-92-3	Ethyl tert-butyl ether	0.23	U	5.0	0.23
98-06-6	tert-Butylbenzene	0.41	U	1.0	0.41
75-01-4	Vinyl chloride	0.29	U	1.0	0.29
108-05-4	Vinyl acetate	0.41	U	2.0	0.41
75-65-0	tert-Butyl alcohol	4.9	U	50	4.9
1330-20-7	Xylenes, Total	0.52	U	2.0	0.52
124-48-1	Chlorodibromomethane	0.43	U	1.0	0.43

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 240-248858/6

Matrix: Water Lab File ID: UXR4742.D

Analysis Method: 8260B Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 09/28/2016 15:16

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 ID: 0.18(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 248858 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		63-132
460-00-4	4-Bromofluorobenzene (Surr)	88		73-120
2037-26-5	Toluene-d8 (Surr)	85		73-124
1868-53-7	Dibromofluoromethane (Surr)	100		80-120

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXR4739.D

Lab ID: LCS 240-248858/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	10.0	11.8	118	77-126	
1,1-Dichloropropene	10.0	10.1	101	80-120	
1,1-Dichloroethane	10.0	9.40	94	77-121	
1,2,3-Trichlorobenzene	10.0	9.90	99	53-135	
1,2,3-Trichloropropane	10.0	9.67	97	65-135	
1,2-Dichloroethane	10.0	11.0	110	76-130	
1,1-Dichloroethene	10.0	10.0	100	70-141	
1,2-Dichloropropane	10.0	9.48	95	79-121	
1,2,4-Trimethylbenzene	10.0	9.97	100	77-120	
2-Hexanone	20.0	17.3	86	56-124	
1,1,2,2-Tetrachloroethane	10.0	8.62	86	61-130	
Acetone	20.0	17.4	87	46-120	
Benzene	10.0	9.25	92	80-120	
Bromoform	10.0	13.4	134	52-157	
Bromomethane	10.0	15.9	159	24-160	
Carbon disulfide	10.0	10.7	107	58-160	
Carbon tetrachloride	10.0	14.9	149	69-149	
1,1,1-Trichloroethane	10.0	13.6	136	79-133	*
Chlorobenzene	10.0	9.81	98	80-120	
1,3-Dichloropropane	10.0	9.09	91	77-120	
Chloroethane	10.0	15.9	159	24-147	*
1,2-Dibromo-3-Chloropropane	10.0	9.48	95	46-140	
Chloroform	10.0	10.9	109	80-120	
Chloromethane	10.0	9.41	94	50-135	
cis-1,2-Dichloroethene	10.0	10.1	101	80-120	
cis-1,3-Dichloropropene	10.0	10.3	103	75-120	
Bromodichloromethane	10.0	11.7	117	76-125	
1,1,2-Trichlorotrifluoroethane	10.0	12.4	124	65-151	
Dichlorodifluoromethane	10.0	12.9	129	32-140	
1,2,4-Trichlorobenzene	10.0	9.11	91	53-137	
Ethylbenzene	10.0	9.90	99	80-120	
1,2-Dibromoethane	10.0	10.4	104	80-126	
2,2-Dichloropropane	10.0	13.6	136	70-137	
1,2-Dichlorobenzene	10.0	9.67	97	80-120	
1,3-Dichlorobenzene	10.0	9.77	98	80-120	
1,4-Dichlorobenzene	10.0	9.70	97	80-120	
2-Chloroethyl vinyl ether	10.0	8.54 J	85	51-138	
Isopropylbenzene	10.0	10.7	107	80-120	
2-Chlorotoluene	10.0	9.43	94	76-120	
2-Butanone (MEK)	20.0	17.7	89	54-122	
4-Methyl-2-pentanone (MIBK)	20.0	18.2	91	60-131	
Bromobenzene	10.0	9.80	98	79-120	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Water Level: Low Lab File ID: UXR4739.D

Lab ID: LCS 240-248858/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Methyl tert-butyl ether	10.0	10.6	106	75-126	
Bromochloromethane	10.0	10.5	105	77-125	
Methylene Chloride	10.0	9.82	98	68-136	
4-Chlorotoluene	10.0	9.68	97	77-120	
4-Isopropyltoluene	10.0	10.4	104	75-120	
Styrene	10.0	10.4	104	80-120	
m-Xylene & p-Xylene	10.0	9.27	93	80-120	
o-Xylene	10.0	9.87	99	80-120	
Hexachlorobutadiene	10.0	11.4	114	55-134	
Tetrachloroethene	10.0	11.1	111	80-123	
Dibromomethane	10.0	10.6	106	73-127	
Toluene	10.0	9.49	95	80-121	
Naphthalene	10.0	8.07	81	39-148	
trans-1,2-Dichloroethene	10.0	10.8	108	80-123	
n-Butylbenzene	10.0	9.48	95	66-120	
trans-1,3-Dichloropropene	10.0	8.79	88	65-120	
N-Propylbenzene	10.0	9.95	99	75-121	
Trichloroethene	10.0	10.7	107	80-122	
sec-Butylbenzene	10.0	9.75	97	72-120	
Trichlorofluoromethane	10.0	14.6	146	56-161	
tert-Butylbenzene	10.0	10.2	102	78-120	
Vinyl chloride	10.0	9.53	95	60-129	
Vinyl acetate	10.0	8.42	84	57-144	
tert-Butyl alcohol	100	85.8	86	47-137	
Xylenes, Total	20.0	19.1	96	80-120	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: ICIS 240-245430/9 Date Analyzed: 09/02/2016 19:28

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXM7648.D Heated Purge: (Y/N) N

Calibration ID: 35911

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1017298	5.17	725873	7.87	378084	10.10
UPPER LIMIT		2034596	5.67	1451746	8.37	756168	10.60
LOWER LIMIT		508649	4.67	362937	7.37	189042	9.60
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-245430/20		1038034	5.17	740042	7.85	381864	10.10
CCVIS 240-248231/3		960127	5.17	668436	7.87	347033	10.10

FB = Fluorobenzene
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: CCVIS 240-248231/3 Date Analyzed: 09/23/2016 16:24

Instrument ID: A3UX16 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXM8059.D Heated Purge: (Y/N) N

Calibration ID: 35917

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		960127	5.17	668436	7.87	347033	10.10
UPPER LIMIT		1920254	5.67	1336872	8.37	694066	10.60
LOWER LIMIT		480064	4.67	334218	7.37	173517	9.60
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-248231/6		886387	5.17	592111	7.85	316697	10.10
LB 240-248076/1-A MB		853535	5.17	571237	7.87	305825	10.10
LCS 240-248231/13		928744	5.17	639101	7.87	330067	10.10
240-69767-61	DR-TP-A64-PRE-EX	843371	5.17	589355	7.85	317700	10.10

FB = Fluorobenzene
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: STD8260 240-233328/4 Date Analyzed: 06/06/2016 17:52

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXR2590.D Heated Purge: (Y/N) N

Calibration ID: 34729

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		2008684	5.76	1551513	8.48	855367	10.72
UPPER LIMIT		4017368	6.26	3103026	8.98	1710734	11.22
LOWER LIMIT		1004342	5.26	775757	7.98	427684	10.22
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-233328/8		1919748	5.76	1450753	8.47	839948	10.72
ICV 240-233328/15		1850277	5.76	1471163	8.48	730516	10.72
CCVIS 240-248858/2		1177989	5.78	1045394	8.48	556616	10.72

FB = Fluorobenzene
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: CCVIS 240-248858/2 Date Analyzed: 09/28/2016 13:46

Instrument ID: A3UX17 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UXR4738.D Heated Purge: (Y/N) N

Calibration ID: 34731

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1177989	5.78	1045394	8.48	556616	10.72
UPPER LIMIT		2355978	6.28	2090788	8.98	1113232	11.22
LOWER LIMIT		588995	5.28	522697	7.98	278308	10.22
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 240-248858/4		1166944	5.76	944180	8.48	585577	10.72
CCV 240-248858/3		1181607	5.76	941472	8.48	562827	10.72
MB 240-248858/6		1074016	5.76	871904	8.48	494096	10.72
240-69767-62	TB-092016	1015605	5.76	816547	8.48	548015	10.72

FB = Fluorobenzene
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: ICIS 240-247528/6 Date Analyzed: 09/20/2016 07:36

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UX86161.D Heated Purge: (Y/N) Y

Calibration ID: 36096

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1114285	5.16	819046	7.69	442027	9.88
UPPER LIMIT		2228570	5.66	1638092	8.19	884054	10.38
LOWER LIMIT		557143	4.66	409523	7.19	221014	9.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-247528/13		1089293	5.16	802659	7.68	426888	9.88
CCVIS 240-247907/4		1172632	5.16	868474	7.69	480958	9.88

FB = Fluorobenzene
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: CCVIS 240-247907/4 Date Analyzed: 09/22/2016 04:49

Instrument ID: A3UX8 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): UX86186.D Heated Purge: (Y/N) Y

Calibration ID: 36128

		FB		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1172632	5.16	868474	7.69	480958	9.88
UPPER LIMIT		2345264	5.66	1736948	8.19	961916	10.38
LOWER LIMIT		586316	4.66	434237	7.19	240479	9.38
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-247907/5		1148915	5.16	866694	7.69	468462	9.88
LCS 240-247907/6		1174540	5.16	887231	7.69	473131	9.88
MB 240-247907/7		1176324	5.16	882981	7.69	458097	9.88
240-69767-61	DR-TP-A64-PRE-EX	1231412	5.16	856450	7.69	415425	9.88

FB = Fluorobenzene
FB = Fluorobenzene
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4
Area Limit = 50%-200% of internal standard area
DCBd4 = 1,4-Dichlorobenzene-d4
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB-624 ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
DR-TP-A64-PRE-EX	240-69767-61	79	79	95	85
	MB 240-247907/7	86	86	92	88
	LCS 240-247907/6	88	86	94	91

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	60-125
DCA = 1,2-Dichloroethane-d4 (Surr)	61-123
TOL = Toluene-d8 (Surr)	72-130
BFB = 4-Bromofluorobenzene (Surr)	62-124

Column to be used to flag recovery values

FORM II 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): DB-624 ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
DR-TP-A64-PRE-EX	240-69767-61	93	89	93	90
	LB 240-248076/1-A MB	93	84	94	86
	LCS 240-248231/13	91	82	95	89

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	80-120
DCA = 1,2-Dichloroethane-d4 (Surr)	73-120
TOL = Toluene-d8 (Surr)	76-120
BFB = 4-Bromofluorobenzene (Surr)	69-120

Column to be used to flag recovery values

FORM II 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
TB-092016	240-69767-62	101	109	87	86
	MB 240-248858/6	100	106	85	88
	LCS 240-248858/4	100	103	89	98

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	80-120
DCA = 1,2-Dichloroethane-d4 (Surr)	63-132
TOL = Toluene-d8 (Surr)	73-124
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260B

Method 8082A

Polychlorinated Biphenyls (PCBs) (GC) by Method 8082A

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP10 Start Date: 09/20/2016 18:18

Analysis Batch Number: 247657 End Date: 09/21/2016 06:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-247657/4 IC		09/20/2016 18:18	1	P100920004.D	CLP-1 (0.53mm) 0.53(mm)
STD005 240-247657/4 IC		09/20/2016 18:18	1	P100920004.D	CLP-2 (0.53mm) 0.53(mm)
STD01 240-247657/5 IC		09/20/2016 18:37	1	P100920005.D	CLP-1 (0.53mm) 0.53(mm)
STD01 240-247657/5 IC		09/20/2016 18:37	1	P100920005.D	CLP-2 (0.53mm) 0.53(mm)
STD02 240-247657/6 IC		09/20/2016 18:56	1	P100920006.D	CLP-1 (0.53mm) 0.53(mm)
STD02 240-247657/6 IC		09/20/2016 18:56	1	P100920006.D	CLP-2 (0.53mm) 0.53(mm)
STD05 240-247657/7 IC		09/20/2016 19:15	1	P100920007.D	CLP-1 (0.53mm) 0.53(mm)
STD05 240-247657/7 IC		09/20/2016 19:15	1	P100920007.D	CLP-2 (0.53mm) 0.53(mm)
STD1 240-247657/8 IC		09/20/2016 19:34	1	P100920008.D	CLP-1 (0.53mm) 0.53(mm)
STD1 240-247657/8 IC		09/20/2016 19:34	1	P100920008.D	CLP-2 (0.53mm) 0.53(mm)
STD2 240-247657/9 IC		09/20/2016 19:53	1	P100920009.D	CLP-1 (0.53mm) 0.53(mm)
STD2 240-247657/9 IC		09/20/2016 19:53	1	P100920009.D	CLP-2 (0.53mm) 0.53(mm)
STD005 240-247657/10 IC		09/20/2016 20:12	1	P100920010.D	CLP-1 (0.53mm) 0.53(mm)
STD005 240-247657/10 IC		09/20/2016 20:12	1	P100920010.D	CLP-2 (0.53mm) 0.53(mm)
STD01 240-247657/11 IC		09/20/2016 20:31	1	P100920011.D	CLP-1 (0.53mm) 0.53(mm)
STD01 240-247657/11 IC		09/20/2016 20:31	1	P100920011.D	CLP-2 (0.53mm) 0.53(mm)
STD02 240-247657/12 IC		09/20/2016 20:50	1	P100920012.D	CLP-1 (0.53mm) 0.53(mm)
STD02 240-247657/12 IC		09/20/2016 20:50	1	P100920012.D	CLP-2 (0.53mm) 0.53(mm)
STD05 240-247657/13 IC		09/20/2016 21:09	1	P100920013.D	CLP-1 (0.53mm) 0.53(mm)
STD05 240-247657/13 IC		09/20/2016 21:09	1	P100920013.D	CLP-2 (0.53mm) 0.53(mm)
STD1 240-247657/14 IC		09/20/2016 21:28	1	P100920014.D	CLP-1 (0.53mm) 0.53(mm)
STD1 240-247657/14 IC		09/20/2016 21:28	1	P100920014.D	CLP-2 (0.53mm) 0.53(mm)
STD2 240-247657/15 IC		09/20/2016 21:47	1	P100920015.D	CLP-1 (0.53mm) 0.53(mm)
STD2 240-247657/15 IC		09/20/2016 21:47	1	P100920015.D	CLP-2 (0.53mm) 0.53(mm)
STD005 240-247657/16 IC		09/20/2016 22:06	1	P100920016.D	CLP-1 (0.53mm) 0.53(mm)
STD005 240-247657/16 IC		09/20/2016 22:06	1	P100920016.D	CLP-2 (0.53mm) 0.53(mm)
STD01 240-247657/17 IC		09/20/2016 22:25	1	P100920017.D	CLP-1 (0.53mm) 0.53(mm)
STD01 240-247657/17 IC		09/20/2016 22:25	1	P100920017.D	CLP-2 (0.53mm) 0.53(mm)
STD02 240-247657/18 IC		09/20/2016 22:44	1	P100920018.D	CLP-1 (0.53mm) 0.53(mm)
STD02 240-247657/18 IC		09/20/2016 22:44	1	P100920018.D	CLP-2 (0.53mm) 0.53(mm)
STD05 240-247657/19 IC		09/20/2016 23:02	1	P100920019.D	CLP-1 (0.53mm) 0.53(mm)
STD05 240-247657/19 IC		09/20/2016 23:02	1	P100920019.D	CLP-2 (0.53mm) 0.53(mm)
STD1 240-247657/20 IC		09/20/2016 23:21	1	P100920020.D	CLP-1 (0.53mm) 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP10 Start Date: 09/20/2016 18:18

Analysis Batch Number: 247657 End Date: 09/21/2016 06:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 240-247657/20 IC		09/20/2016 23:21	1	P100920020.D	CLP-2 (0.53mm) 0.53(mm)
STD2 240-247657/21 IC		09/20/2016 23:40	1	P100920021.D	CLP-1 (0.53mm) 0.53(mm)
STD2 240-247657/21 IC		09/20/2016 23:40	1	P100920021.D	CLP-2 (0.53mm) 0.53(mm)
STD005 240-247657/22 IC		09/20/2016 23:59	1	P100920022.D	CLP-1 (0.53mm) 0.53(mm)
STD005 240-247657/22 IC		09/20/2016 23:59	1	P100920022.D	CLP-2 (0.53mm) 0.53(mm)
STD01 240-247657/23 IC		09/21/2016 00:18	1	P100920023.D	CLP-1 (0.53mm) 0.53(mm)
STD01 240-247657/23 IC		09/21/2016 00:18	1	P100920023.D	CLP-2 (0.53mm) 0.53(mm)
STD02 240-247657/24 IC		09/21/2016 00:37	1	P100920024.D	CLP-1 (0.53mm) 0.53(mm)
STD02 240-247657/24 IC		09/21/2016 00:37	1	P100920024.D	CLP-2 (0.53mm) 0.53(mm)
STD05 240-247657/25 IC		09/21/2016 00:56	1	P100920025.D	CLP-1 (0.53mm) 0.53(mm)
STD05 240-247657/25 IC		09/21/2016 00:56	1	P100920025.D	CLP-2 (0.53mm) 0.53(mm)
STD1 240-247657/26 IC		09/21/2016 01:15	1	P100920026.D	CLP-1 (0.53mm) 0.53(mm)
STD1 240-247657/26 IC		09/21/2016 01:15	1	P100920026.D	CLP-2 (0.53mm) 0.53(mm)
STD2 240-247657/27 IC		09/21/2016 01:34	1	P100920027.D	CLP-1 (0.53mm) 0.53(mm)
STD2 240-247657/27 IC		09/21/2016 01:34	1	P100920027.D	CLP-2 (0.53mm) 0.53(mm)
STD005 240-247657/28 IC		09/21/2016 01:53	1	P100920028.D	CLP-1 (0.53mm) 0.53(mm)
STD005 240-247657/28 IC		09/21/2016 01:53	1	P100920028.D	CLP-2 (0.53mm) 0.53(mm)
STD01 240-247657/29 IC		09/21/2016 02:12	1	P100920029.D	CLP-1 (0.53mm) 0.53(mm)
STD01 240-247657/29 IC		09/21/2016 02:12	1	P100920029.D	CLP-2 (0.53mm) 0.53(mm)
STD02 240-247657/30 IC		09/21/2016 02:31	1	P100920030.D	CLP-1 (0.53mm) 0.53(mm)
STD02 240-247657/30 IC		09/21/2016 02:31	1	P100920030.D	CLP-2 (0.53mm) 0.53(mm)
STD05 240-247657/31 ICIS		09/21/2016 02:50	1	P100920031.D	CLP-1 (0.53mm) 0.53(mm)
STD05 240-247657/31 ICIS		09/21/2016 02:50	1	P100920031.D	CLP-2 (0.53mm) 0.53(mm)
STD1 240-247657/32 IC		09/21/2016 03:09	1	P100920032.D	CLP-1 (0.53mm) 0.53(mm)
STD1 240-247657/32 IC		09/21/2016 03:09	1	P100920032.D	CLP-2 (0.53mm) 0.53(mm)
STD2 240-247657/33 IC		09/21/2016 03:28	1	P100920033.D	CLP-1 (0.53mm) 0.53(mm)
STD2 240-247657/33 IC		09/21/2016 03:28	1	P100920033.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-247657/34		09/21/2016 03:47	1	P100920034.D	CLP-1 (0.53mm) 0.53(mm)
ICV 240-247657/34		09/21/2016 03:47	1	P100920034.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-247657/35		09/21/2016 04:06	1	P100920035.D	CLP-1 (0.53mm) 0.53(mm)
ICV 240-247657/35		09/21/2016 04:06	1	P100920035.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-247657/36		09/21/2016 04:25	1	P100920036.D	CLP-1 (0.53mm) 0.53(mm)
ICV 240-247657/36		09/21/2016 04:25	1	P100920036.D	CLP-2 (0.53mm) 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP10 Start Date: 09/20/2016 18:18

Analysis Batch Number: 247657 End Date: 09/21/2016 06:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICV 240-247657/37		09/21/2016 04:44	1	P100920037.D	CLP-1 (0.53mm) 0.53(mm)
ICV 240-247657/37		09/21/2016 04:44	1	P100920037.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-247657/38		09/21/2016 05:03	1	P100920038.D	CLP-1 (0.53mm) 0.53(mm)
ICV 240-247657/38		09/21/2016 05:03	1	P100920038.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-247657/39		09/21/2016 05:22	1	P100920039.D	CLP-1 (0.53mm) 0.53(mm)
ICV 240-247657/39		09/21/2016 05:22	1	P100920039.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-247657/40		09/21/2016 05:41	1	P100920040.D	CLP-1 (0.53mm) 0.53(mm)
ICV 240-247657/40		09/21/2016 05:41	1	P100920040.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-247657/41		09/21/2016 06:00	1	P100920041.D	CLP-1 (0.53mm) 0.53(mm)
ICV 240-247657/41		09/21/2016 06:00	1	P100920041.D	CLP-2 (0.53mm) 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP10 Start Date: 09/24/2016 11:42

Analysis Batch Number: 248277 End Date: 09/24/2016 22:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-248277/3 CCVIS		09/24/2016 11:42	1	P100924003.D	CLP-1 (0.53mm) 0.53(mm)
CCV 240-248277/3 CCVIS		09/24/2016 11:42	1		CLP-2 (0.53mm) 0.53(mm)
CCV 240-248277/4		09/24/2016 12:01	1	P100924004.D	CLP-1 (0.53mm) 0.53(mm)
CCV 240-248277/4		09/24/2016 12:01	1		CLP-2 (0.53mm) 0.53(mm)
CCV 240-248277/5		09/24/2016 12:20	1	P100924005.D	CLP-1 (0.53mm) 0.53(mm)
CCV 240-248277/5		09/24/2016 12:20	1		CLP-2 (0.53mm) 0.53(mm)
CCV 240-248277/7		09/24/2016 12:58	1	P100924007.D	CLP-1 (0.53mm) 0.53(mm)
CCV 240-248277/7		09/24/2016 12:58	1		CLP-2 (0.53mm) 0.53(mm)
CCV 240-248277/9		09/24/2016 14:19	1	P100924009.D	CLP-1 (0.53mm) 0.53(mm)
CCV 240-248277/9		09/24/2016 14:19	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-8		09/24/2016 14:38	1	P100924010.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 14:38	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-9		09/24/2016 14:57	1	P100924011.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 14:57	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-10		09/24/2016 15:16	1	P100924012.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 15:16	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-11		09/24/2016 15:35	1	P100924013.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 15:35	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-12		09/24/2016 15:54	1	P100924014.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 15:54	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-13		09/24/2016 16:13	1	P100924015.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 16:13	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-14		09/24/2016 16:31	1	P100924016.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 16:31	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-15		09/24/2016 16:50	1	P100924017.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 16:50	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-16		09/24/2016 17:09	1	P100924018.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 17:09	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-17		09/24/2016 17:28	1	P100924019.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 17:28	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-18		09/24/2016 17:47	1	P100924020.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 17:47	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-19		09/24/2016 18:06	1	P100924021.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 18:06	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-20		09/24/2016 18:25	1	P100924022.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 18:25	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-21		09/24/2016 18:44	1	P100924023.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 18:44	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-22		09/24/2016 19:02	1	P100924024.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 19:02	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-23		09/24/2016 19:21	1	P100924025.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 19:21	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-24		09/24/2016 19:40	1	P100924026.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 19:40	1		CLP-2 (0.53mm) 0.53(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP10 Start Date: 09/24/2016 11:42

Analysis Batch Number: 248277 End Date: 09/24/2016 22:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
MB 240-247989/23-A		09/24/2016 19:59	1	P100924027.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 19:59	1		CLP-2 (0.53mm) 0.53(mm)
LCS 240-247989/24-A		09/24/2016 20:18	1	P100924028.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 20:18	1		CLP-2 (0.53mm) 0.53(mm)
CCVIS 240-248277/29		09/24/2016 20:37	1	P100924029.D	CLP-1 (0.53mm) 0.53(mm)
CCVIS 240-248277/29		09/24/2016 20:37	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-25		09/24/2016 20:56	1	P100924030.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 20:56	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-26		09/24/2016 21:15	1	P100924031.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 21:15	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-27		09/24/2016 21:34	1	P100924032.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 21:34	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-27 MS		09/24/2016 21:53	1	P100924033.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 21:53	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-27 MSD		09/24/2016 22:11	1	P100924034.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 22:11	1		CLP-2 (0.53mm) 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP10 Start Date: 10/02/2016 09:32

Analysis Batch Number: 249387 End Date: 10/02/2016 11:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-249387/3 CCVIS		10/02/2016 09:32	1		CLP-1 (0.53mm) 0.53(mm)
CCV 240-249387/3 CCVIS		10/02/2016 09:32	1	P100102003.D	CLP-2 (0.53mm) 0.53(mm)
CCV 240-249387/4		10/02/2016 09:51	1		CLP-1 (0.53mm) 0.53(mm)
CCV 240-249387/4		10/02/2016 09:51	1	P100102004.D	CLP-2 (0.53mm) 0.53(mm)
CCV 240-249387/5		10/02/2016 10:10	1		CLP-1 (0.53mm) 0.53(mm)
CCV 240-249387/5		10/02/2016 10:10	1	P100102005.D	CLP-2 (0.53mm) 0.53(mm)
CCV 240-249387/6		10/02/2016 10:29	1		CLP-1 (0.53mm) 0.53(mm)
CCV 240-249387/6		10/02/2016 10:29	1	P100102006.D	CLP-2 (0.53mm) 0.53(mm)
CCV 240-249387/7		10/02/2016 10:48	1		CLP-1 (0.53mm) 0.53(mm)
CCV 240-249387/7		10/02/2016 10:48	1	P100102007.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		10/02/2016 11:25	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-50		10/02/2016 11:25	1	P100102009.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		10/02/2016 11:44	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-51		10/02/2016 11:44	1	P100102010.D	CLP-2 (0.53mm) 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP11 Start Date: 08/15/2016 11:24

Analysis Batch Number: 242577 End Date: 08/15/2016 22:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-242577/4 IC		08/15/2016 11:24	1		CLP-1 (0.53mm) 0.53(mm)
STD005 240-242577/4 IC		08/15/2016 11:24	1	P110815004.D	CLP-2 (0.53mm) 0.53(mm)
STD01 240-242577/5 IC		08/15/2016 11:42	1		CLP-1 (0.53mm) 0.53(mm)
STD01 240-242577/5 IC		08/15/2016 11:42	1	P110815005.D	CLP-2 (0.53mm) 0.53(mm)
STD02 240-242577/6 IC		08/15/2016 12:00	1		CLP-1 (0.53mm) 0.53(mm)
STD02 240-242577/6 IC		08/15/2016 12:00	1	P110815006.D	CLP-2 (0.53mm) 0.53(mm)
STD05 240-242577/7 IC		08/15/2016 12:19	1		CLP-1 (0.53mm) 0.53(mm)
STD05 240-242577/7 IC		08/15/2016 12:19	1	P110815007.D	CLP-2 (0.53mm) 0.53(mm)
STD1 240-242577/8 IC		08/15/2016 12:37	1		CLP-1 (0.53mm) 0.53(mm)
STD1 240-242577/8 IC		08/15/2016 12:37	1	P110815008.D	CLP-2 (0.53mm) 0.53(mm)
STD2 240-242577/9 IC		08/15/2016 12:55	1		CLP-1 (0.53mm) 0.53(mm)
STD2 240-242577/9 IC		08/15/2016 12:55	1	P110815009.D	CLP-2 (0.53mm) 0.53(mm)
STD005 240-242577/10 IC		08/15/2016 13:13	1		CLP-1 (0.53mm) 0.53(mm)
STD005 240-242577/10 IC		08/15/2016 13:13	1	P110815010.D	CLP-2 (0.53mm) 0.53(mm)
STD01 240-242577/11 IC		08/15/2016 13:32	1		CLP-1 (0.53mm) 0.53(mm)
STD01 240-242577/11 IC		08/15/2016 13:32	1	P110815011.D	CLP-2 (0.53mm) 0.53(mm)
STD02 240-242577/12 IC		08/15/2016 13:50	1		CLP-1 (0.53mm) 0.53(mm)
STD02 240-242577/12 IC		08/15/2016 13:50	1	P110815012.D	CLP-2 (0.53mm) 0.53(mm)
STD05 240-242577/13 IC		08/15/2016 14:08	1		CLP-1 (0.53mm) 0.53(mm)
STD05 240-242577/13 IC		08/15/2016 14:08	1	P110815013.D	CLP-2 (0.53mm) 0.53(mm)
STD1 240-242577/14 IC		08/15/2016 14:26	1		CLP-1 (0.53mm) 0.53(mm)
STD1 240-242577/14 IC		08/15/2016 14:26	1	P110815014.D	CLP-2 (0.53mm) 0.53(mm)
STD2 240-242577/15 IC		08/15/2016 14:45	1		CLP-1 (0.53mm) 0.53(mm)
STD2 240-242577/15 IC		08/15/2016 14:45	1	P110815015.D	CLP-2 (0.53mm) 0.53(mm)
STD005 240-242577/16 IC		08/15/2016 15:03	1		CLP-1 (0.53mm) 0.53(mm)
STD005 240-242577/16 IC		08/15/2016 15:03	1	P110815016.D	CLP-2 (0.53mm) 0.53(mm)
STD01 240-242577/17 IC		08/15/2016 15:21	1		CLP-1 (0.53mm) 0.53(mm)
STD01 240-242577/17 IC		08/15/2016 15:21	1	P110815017.D	CLP-2 (0.53mm) 0.53(mm)
STD02 240-242577/18 IC		08/15/2016 15:39	1		CLP-1 (0.53mm) 0.53(mm)
STD02 240-242577/18 IC		08/15/2016 15:39	1	P110815018.D	CLP-2 (0.53mm) 0.53(mm)
STD05 240-242577/19 IC		08/15/2016 15:58	1		CLP-1 (0.53mm) 0.53(mm)
STD05 240-242577/19 IC		08/15/2016 15:58	1	P110815019.D	CLP-2 (0.53mm) 0.53(mm)
STD1 240-242577/20 IC		08/15/2016 16:16	1		CLP-1 (0.53mm) 0.53(mm)

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PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP11 Start Date: 08/15/2016 11:24

Analysis Batch Number: 242577 End Date: 08/15/2016 22:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 240-242577/20 IC		08/15/2016 16:16	1	P110815020.D	CLP-2 (0.53mm) 0.53(mm)
STD2 240-242577/21 IC		08/15/2016 16:34	1		CLP-1 (0.53mm) 0.53(mm)
STD2 240-242577/21 IC		08/15/2016 16:34	1	P110815021.D	CLP-2 (0.53mm) 0.53(mm)
STD005 240-242577/22 IC		08/15/2016 16:52	1		CLP-1 (0.53mm) 0.53(mm)
STD005 240-242577/22 IC		08/15/2016 16:52	1	P110815022.D	CLP-2 (0.53mm) 0.53(mm)
STD01 240-242577/23 IC		08/15/2016 17:11	1		CLP-1 (0.53mm) 0.53(mm)
STD01 240-242577/23 IC		08/15/2016 17:11	1	P110815023.D	CLP-2 (0.53mm) 0.53(mm)
STD02 240-242577/24 IC		08/15/2016 17:29	1		CLP-1 (0.53mm) 0.53(mm)
STD02 240-242577/24 IC		08/15/2016 17:29	1	P110815024.D	CLP-2 (0.53mm) 0.53(mm)
STD05 240-242577/25 IC		08/15/2016 17:47	1		CLP-1 (0.53mm) 0.53(mm)
STD05 240-242577/25 IC		08/15/2016 17:47	1	P110815025.D	CLP-2 (0.53mm) 0.53(mm)
STD1 240-242577/26 IC		08/15/2016 18:05	1		CLP-1 (0.53mm) 0.53(mm)
STD1 240-242577/26 IC		08/15/2016 18:05	1	P110815026.D	CLP-2 (0.53mm) 0.53(mm)
STD2 240-242577/27 IC		08/15/2016 18:24	1		CLP-1 (0.53mm) 0.53(mm)
STD2 240-242577/27 IC		08/15/2016 18:24	1	P110815027.D	CLP-2 (0.53mm) 0.53(mm)
STD005 240-242577/28 IC		08/15/2016 18:42	1		CLP-1 (0.53mm) 0.53(mm)
STD005 240-242577/28 IC		08/15/2016 18:42	1	P110815028.D	CLP-2 (0.53mm) 0.53(mm)
STD01 240-242577/29 IC		08/15/2016 19:00	1		CLP-1 (0.53mm) 0.53(mm)
STD01 240-242577/29 IC		08/15/2016 19:00	1	P110815029.D	CLP-2 (0.53mm) 0.53(mm)
STD02 240-242577/30 IC		08/15/2016 19:18	1		CLP-1 (0.53mm) 0.53(mm)
STD02 240-242577/30 IC		08/15/2016 19:18	1	P110815030.D	CLP-2 (0.53mm) 0.53(mm)
STD05 240-242577/31 ICIS		08/15/2016 19:36	1		CLP-1 (0.53mm) 0.53(mm)
STD05 240-242577/31 ICIS		08/15/2016 19:36	1	P110815031.D	CLP-2 (0.53mm) 0.53(mm)
STD1 240-242577/32 IC		08/15/2016 19:55	1		CLP-1 (0.53mm) 0.53(mm)
STD1 240-242577/32 IC		08/15/2016 19:55	1	P110815032.D	CLP-2 (0.53mm) 0.53(mm)
STD2 240-242577/33 IC		08/15/2016 20:13	1		CLP-1 (0.53mm) 0.53(mm)
STD2 240-242577/33 IC		08/15/2016 20:13	1	P110815033.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-242577/34		08/15/2016 20:31	1		CLP-1 (0.53mm) 0.53(mm)
ICV 240-242577/34		08/15/2016 20:31	1	P110815034.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-242577/35		08/15/2016 20:49	1		CLP-1 (0.53mm) 0.53(mm)
ICV 240-242577/35		08/15/2016 20:49	1	P110815035.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-242577/36		08/15/2016 21:08	1		CLP-1 (0.53mm) 0.53(mm)
ICV 240-242577/36		08/15/2016 21:08	1	P110815036.D	CLP-2 (0.53mm) 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP11 Start Date: 08/15/2016 11:24

Analysis Batch Number: 242577 End Date: 08/15/2016 22:39

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICV 240-242577/37		08/15/2016 21:26	1		CLP-1 (0.53mm) 0.53(mm)
ICV 240-242577/37		08/15/2016 21:26	1	P110815037.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-242577/38		08/15/2016 21:44	1		CLP-1 (0.53mm) 0.53(mm)
ICV 240-242577/38		08/15/2016 21:44	1	P110815038.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-242577/39		08/15/2016 22:03	1		CLP-1 (0.53mm) 0.53(mm)
ICV 240-242577/39		08/15/2016 22:03	1	P110815039.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-242577/40		08/15/2016 22:21	1		CLP-1 (0.53mm) 0.53(mm)
ICV 240-242577/40		08/15/2016 22:21	1	P110815040.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-242577/41		08/15/2016 22:39	1		CLP-1 (0.53mm) 0.53(mm)
ICV 240-242577/41		08/15/2016 22:39	1	P110815041.D	CLP-2 (0.53mm) 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP11 Start Date: 09/24/2016 11:38

Analysis Batch Number: 248278 End Date: 09/24/2016 21:41

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-248278/3 CCVIS		09/24/2016 11:38	1		CLP-1 (0.53mm) 0.53(mm)
CCV 240-248278/3 CCVIS		09/24/2016 11:38	1	P110924003.D	CLP-2 (0.53mm) 0.53(mm)
CCV 240-248278/4		09/24/2016 11:56	1		CLP-1 (0.53mm) 0.53(mm)
CCV 240-248278/4		09/24/2016 11:56	1	P110924004.D	CLP-2 (0.53mm) 0.53(mm)
CCV 240-248278/5		09/24/2016 12:14	1		CLP-1 (0.53mm) 0.53(mm)
CCV 240-248278/5		09/24/2016 12:14	1	P110924005.D	CLP-2 (0.53mm) 0.53(mm)
CCV 240-248278/6		09/24/2016 12:32	1		CLP-1 (0.53mm) 0.53(mm)
CCV 240-248278/6		09/24/2016 12:32	1	P110924006.D	CLP-2 (0.53mm) 0.53(mm)
CCV 240-248278/7		09/24/2016 12:50	1		CLP-1 (0.53mm) 0.53(mm)
CCV 240-248278/7		09/24/2016 12:50	1	P110924007.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 14:25	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 14:25	1		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 14:43	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-1		09/24/2016 14:43	1	P110924010.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 15:01	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-2		09/24/2016 15:01	1	P110924011.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 15:19	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-3		09/24/2016 15:19	1	P110924012.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 15:38	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-4		09/24/2016 15:38	1	P110924013.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 15:56	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-5		09/24/2016 15:56	1	P110924014.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 16:14	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-6		09/24/2016 16:14	1	P110924015.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 16:32	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-7		09/24/2016 16:32	1	P110924016.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 19:52	1		CLP-1 (0.53mm) 0.53(mm)
MB 240-247990/23-A		09/24/2016 19:52	1	P110924027.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 20:10	1		CLP-1 (0.53mm) 0.53(mm)
LCS 240-247990/24-A		09/24/2016 20:10	1	P110924028.D	CLP-2 (0.53mm) 0.53(mm)
CCVIS 240-248278/29		09/24/2016 20:29	1		CLP-1 (0.53mm) 0.53(mm)
CCVIS 240-248278/29		09/24/2016 20:29	1	P110924029.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 21:23	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-4 MS		09/24/2016 21:23	1	P110924032.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/24/2016 21:41	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-4 MSD		09/24/2016 21:41	1	P110924033.D	CLP-2 (0.53mm) 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP12 Start Date: 09/05/2016 12:05

Analysis Batch Number: 245359 End Date: 09/05/2016 22:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-245359/4 IC		09/05/2016 12:05	1	P120905004.D	CLP-1 (0.53mm) 0.53(mm)
STD005 240-245359/4 IC		09/05/2016 12:05	1	P120905004.D	CLP-2 (0.53mm) 0.53(mm)
STD01 240-245359/5 IC		09/05/2016 12:23	1	P120905005.D	CLP-1 (0.53mm) 0.53(mm)
STD01 240-245359/5 IC		09/05/2016 12:23	1	P120905005.D	CLP-2 (0.53mm) 0.53(mm)
STD02 240-245359/6 IC		09/05/2016 12:40	1	P120905006.D	CLP-1 (0.53mm) 0.53(mm)
STD02 240-245359/6 IC		09/05/2016 12:40	1	P120905006.D	CLP-2 (0.53mm) 0.53(mm)
STD05 240-245359/7 IC		09/05/2016 12:58	1	P120905007.D	CLP-1 (0.53mm) 0.53(mm)
STD05 240-245359/7 IC		09/05/2016 12:58	1	P120905007.D	CLP-2 (0.53mm) 0.53(mm)
STD1 240-245359/8 IC		09/05/2016 13:16	1	P120905008.D	CLP-1 (0.53mm) 0.53(mm)
STD1 240-245359/8 IC		09/05/2016 13:16	1	P120905008.D	CLP-2 (0.53mm) 0.53(mm)
STD2 240-245359/9 IC		09/05/2016 13:33	1	P120905009.D	CLP-1 (0.53mm) 0.53(mm)
STD2 240-245359/9 IC		09/05/2016 13:33	1	P120905009.D	CLP-2 (0.53mm) 0.53(mm)
STD005 240-245359/10 IC		09/05/2016 13:51	1	P120905010.D	CLP-1 (0.53mm) 0.53(mm)
STD005 240-245359/10 IC		09/05/2016 13:51	1	P120905010.D	CLP-2 (0.53mm) 0.53(mm)
STD01 240-245359/11 IC		09/05/2016 14:09	1	P120905011.D	CLP-1 (0.53mm) 0.53(mm)
STD01 240-245359/11 IC		09/05/2016 14:09	1	P120905011.D	CLP-2 (0.53mm) 0.53(mm)
STD02 240-245359/12 IC		09/05/2016 14:26	1	P120905012.D	CLP-1 (0.53mm) 0.53(mm)
STD02 240-245359/12 IC		09/05/2016 14:26	1	P120905012.D	CLP-2 (0.53mm) 0.53(mm)
STD05 240-245359/13 IC		09/05/2016 14:44	1	P120905013.D	CLP-1 (0.53mm) 0.53(mm)
STD05 240-245359/13 IC		09/05/2016 14:44	1	P120905013.D	CLP-2 (0.53mm) 0.53(mm)
STD1 240-245359/14 IC		09/05/2016 15:02	1	P120905014.D	CLP-1 (0.53mm) 0.53(mm)
STD1 240-245359/14 IC		09/05/2016 15:02	1	P120905014.D	CLP-2 (0.53mm) 0.53(mm)
STD2 240-245359/15 IC		09/05/2016 15:19	1	P120905015.D	CLP-1 (0.53mm) 0.53(mm)
STD2 240-245359/15 IC		09/05/2016 15:19	1	P120905015.D	CLP-2 (0.53mm) 0.53(mm)
STD005 240-245359/16 IC		09/05/2016 15:37	1	P120905016.D	CLP-1 (0.53mm) 0.53(mm)
STD005 240-245359/16 IC		09/05/2016 15:37	1	P120905016.D	CLP-2 (0.53mm) 0.53(mm)
STD01 240-245359/17 IC		09/05/2016 15:54	1	P120905017.D	CLP-1 (0.53mm) 0.53(mm)
STD01 240-245359/17 IC		09/05/2016 15:54	1	P120905017.D	CLP-2 (0.53mm) 0.53(mm)
STD02 240-245359/18 IC		09/05/2016 16:12	1	P120905018.D	CLP-1 (0.53mm) 0.53(mm)
STD02 240-245359/18 IC		09/05/2016 16:12	1	P120905018.D	CLP-2 (0.53mm) 0.53(mm)
STD05 240-245359/19 IC		09/05/2016 16:30	1	P120905019.D	CLP-1 (0.53mm) 0.53(mm)
STD05 240-245359/19 IC		09/05/2016 16:30	1	P120905019.D	CLP-2 (0.53mm) 0.53(mm)
STD1 240-245359/20 IC		09/05/2016 16:47	1	P120905020.D	CLP-1 (0.53mm) 0.53(mm)

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PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP12 Start Date: 09/05/2016 12:05

Analysis Batch Number: 245359 End Date: 09/05/2016 22:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 240-245359/20 IC		09/05/2016 16:47	1	P120905020.D	CLP-2 (0.53mm) 0.53(mm)
STD2 240-245359/21 IC		09/05/2016 17:05	1	P120905021.D	CLP-1 (0.53mm) 0.53(mm)
STD2 240-245359/21 IC		09/05/2016 17:05	1	P120905021.D	CLP-2 (0.53mm) 0.53(mm)
STD005 240-245359/22 IC		09/05/2016 17:23	1	P120905022.D	CLP-1 (0.53mm) 0.53(mm)
STD005 240-245359/22 IC		09/05/2016 17:23	1	P120905022.D	CLP-2 (0.53mm) 0.53(mm)
STD01 240-245359/23 IC		09/05/2016 17:40	1	P120905023.D	CLP-1 (0.53mm) 0.53(mm)
STD01 240-245359/23 IC		09/05/2016 17:40	1	P120905023.D	CLP-2 (0.53mm) 0.53(mm)
STD02 240-245359/24 IC		09/05/2016 17:58	1	P120905024.D	CLP-1 (0.53mm) 0.53(mm)
STD02 240-245359/24 IC		09/05/2016 17:58	1	P120905024.D	CLP-2 (0.53mm) 0.53(mm)
STD05 240-245359/25 IC		09/05/2016 18:15	1	P120905025.D	CLP-1 (0.53mm) 0.53(mm)
STD05 240-245359/25 IC		09/05/2016 18:15	1	P120905025.D	CLP-2 (0.53mm) 0.53(mm)
STD1 240-245359/26 IC		09/05/2016 18:33	1	P120905026.D	CLP-1 (0.53mm) 0.53(mm)
STD1 240-245359/26 IC		09/05/2016 18:33	1	P120905026.D	CLP-2 (0.53mm) 0.53(mm)
STD2 240-245359/27 IC		09/05/2016 18:51	1	P120905027.D	CLP-1 (0.53mm) 0.53(mm)
STD2 240-245359/27 IC		09/05/2016 18:51	1	P120905027.D	CLP-2 (0.53mm) 0.53(mm)
STD005 240-245359/28 IC		09/05/2016 19:08	1	P120905028.D	CLP-1 (0.53mm) 0.53(mm)
STD005 240-245359/28 IC		09/05/2016 19:08	1	P120905028.D	CLP-2 (0.53mm) 0.53(mm)
STD01 240-245359/29 IC		09/05/2016 19:26	1	P120905029.D	CLP-1 (0.53mm) 0.53(mm)
STD01 240-245359/29 IC		09/05/2016 19:26	1	P120905029.D	CLP-2 (0.53mm) 0.53(mm)
STD02 240-245359/30 IC		09/05/2016 19:43	1	P120905030.D	CLP-1 (0.53mm) 0.53(mm)
STD02 240-245359/30 IC		09/05/2016 19:43	1	P120905030.D	CLP-2 (0.53mm) 0.53(mm)
STD05 240-245359/31 ICIS		09/05/2016 20:01	1	P120905031.D	CLP-1 (0.53mm) 0.53(mm)
STD05 240-245359/31 ICIS		09/05/2016 20:01	1	P120905031.D	CLP-2 (0.53mm) 0.53(mm)
STD1 240-245359/32 IC		09/05/2016 20:19	1	P120905032.D	CLP-1 (0.53mm) 0.53(mm)
STD1 240-245359/32 IC		09/05/2016 20:19	1	P120905032.D	CLP-2 (0.53mm) 0.53(mm)
STD2 240-245359/33 IC		09/05/2016 20:36	1	P120905033.D	CLP-1 (0.53mm) 0.53(mm)
STD2 240-245359/33 IC		09/05/2016 20:36	1	P120905033.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-245359/34		09/05/2016 20:54	1	P120905034.D	CLP-1 (0.53mm) 0.53(mm)
ICV 240-245359/34		09/05/2016 20:54	1	P120905034.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-245359/35		09/05/2016 21:12	1	P120905035.D	CLP-1 (0.53mm) 0.53(mm)
ICV 240-245359/35		09/05/2016 21:12	1	P120905035.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-245359/36		09/05/2016 21:29	1	P120905036.D	CLP-1 (0.53mm) 0.53(mm)
ICV 240-245359/36		09/05/2016 21:29	1	P120905036.D	CLP-2 (0.53mm) 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP12 Start Date: 09/05/2016 12:05

Analysis Batch Number: 245359 End Date: 09/05/2016 22:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICV 240-245359/37		09/05/2016 21:47	1	P120905037.D	CLP-1 (0.53mm) 0.53(mm)
ICV 240-245359/37		09/05/2016 21:47	1	P120905037.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-245359/38		09/05/2016 22:04	1	P120905038.D	CLP-1 (0.53mm) 0.53(mm)
ICV 240-245359/38		09/05/2016 22:04	1	P120905038.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-245359/39		09/05/2016 22:22	1	P120905039.D	CLP-1 (0.53mm) 0.53(mm)
ICV 240-245359/39		09/05/2016 22:22	1	P120905039.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-245359/40		09/05/2016 22:40	1	P120905040.D	CLP-1 (0.53mm) 0.53(mm)
ICV 240-245359/40		09/05/2016 22:40	1	P120905040.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-245359/41		09/05/2016 22:57	1	P120905041.D	CLP-1 (0.53mm) 0.53(mm)
ICV 240-245359/41		09/05/2016 22:57	1	P120905041.D	CLP-2 (0.53mm) 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP12 Start Date: 09/25/2016 14:07

Analysis Batch Number: 248312 End Date: 09/25/2016 22:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-248312/3 CCVIS		09/25/2016 14:07	1	P120925003.D	CLP-1 (0.53mm) 0.53(mm)
CCV 240-248312/3 CCVIS		09/25/2016 14:07	1		CLP-2 (0.53mm) 0.53(mm)
CCV 240-248312/4		09/25/2016 14:25	1	P120925004.D	CLP-1 (0.53mm) 0.53(mm)
CCV 240-248312/4		09/25/2016 14:25	1		CLP-2 (0.53mm) 0.53(mm)
CCV 240-248312/5		09/25/2016 14:42	1	P120925005.D	CLP-1 (0.53mm) 0.53(mm)
CCV 240-248312/5		09/25/2016 14:42	1		CLP-2 (0.53mm) 0.53(mm)
CCV 240-248312/6		09/25/2016 15:00	1	P120925006.D	CLP-1 (0.53mm) 0.53(mm)
CCV 240-248312/6		09/25/2016 15:00	1		CLP-2 (0.53mm) 0.53(mm)
CCV 240-248312/7		09/25/2016 15:18	1	P120925007.D	CLP-1 (0.53mm) 0.53(mm)
CCV 240-248312/7		09/25/2016 15:18	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-28		09/25/2016 15:53	1	P120925009.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 15:53	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-29		09/25/2016 16:11	1	P120925010.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 16:11	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-30		09/25/2016 16:28	1	P120925011.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 16:28	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-31		09/25/2016 16:46	1	P120925012.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 16:46	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-32		09/25/2016 17:04	1	P120925013.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 17:04	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-33		09/25/2016 17:21	1	P120925014.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 17:21	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-34		09/25/2016 17:39	1	P120925015.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 17:39	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-35		09/25/2016 17:56	1	P120925016.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 17:56	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-36		09/25/2016 18:14	1	P120925017.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 18:14	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-36 MS		09/25/2016 18:32	1	P120925018.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 18:32	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-36 MSD		09/25/2016 18:49	1	P120925019.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 18:49	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-38		09/25/2016 19:07	10	P120925020.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 19:07	10		CLP-2 (0.53mm) 0.53(mm)
240-69767-39		09/25/2016 19:25	1	P120925021.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 19:25	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-40		09/25/2016 19:42	1	P120925022.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 19:42	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-41		09/25/2016 20:00	1	P120925023.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 20:00	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-42		09/25/2016 20:17	1	P120925024.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 20:17	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-43		09/25/2016 20:35	1	P120925025.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 20:35	1		CLP-2 (0.53mm) 0.53(mm)

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PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP12 Start Date: 09/25/2016 14:07

Analysis Batch Number: 248312 End Date: 09/25/2016 22:38

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
MB 240-248002/23-A		09/25/2016 20:53	1	P120925026.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 20:53	1		CLP-2 (0.53mm) 0.53(mm)
LCS 240-248002/24-A		09/25/2016 21:10	1	P120925027.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 21:10	1		CLP-2 (0.53mm) 0.53(mm)
CCVIS 240-248312/28		09/25/2016 21:28	1	P120925028.D	CLP-1 (0.53mm) 0.53(mm)
CCVIS 240-248312/28		09/25/2016 21:28	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-44		09/25/2016 21:46	1	P120925029.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 21:46	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-45		09/25/2016 22:03	1	P120925030.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 22:03	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-46		09/25/2016 22:21	1	P120925031.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 22:21	1		CLP-2 (0.53mm) 0.53(mm)
240-69767-47		09/25/2016 22:38	1	P120925032.D	CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/25/2016 22:38	1		CLP-2 (0.53mm) 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP12 Start Date: 09/27/2016 05:13

Analysis Batch Number: 248519 End Date: 09/27/2016 13:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-248519/3 CCVIS		09/27/2016 05:13	1		CLP-1 (0.53mm) 0.53(mm)
CCV 240-248519/3 CCVIS		09/27/2016 05:13	1	P120927003.D	CLP-2 (0.53mm) 0.53(mm)
CCV 240-248519/4		09/27/2016 05:31	1		CLP-1 (0.53mm) 0.53(mm)
CCV 240-248519/4		09/27/2016 05:31	1	P120927004.D	CLP-2 (0.53mm) 0.53(mm)
CCV 240-248519/5		09/27/2016 05:49	1		CLP-1 (0.53mm) 0.53(mm)
CCV 240-248519/5		09/27/2016 05:49	1	P120927005.D	CLP-2 (0.53mm) 0.53(mm)
CCV 240-248519/6		09/27/2016 06:06	1		CLP-1 (0.53mm) 0.53(mm)
CCV 240-248519/6		09/27/2016 06:06	1	P120927006.D	CLP-2 (0.53mm) 0.53(mm)
CCV 240-248519/7		09/27/2016 06:24	1		CLP-1 (0.53mm) 0.53(mm)
CCV 240-248519/7		09/27/2016 06:24	1	P120927007.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 06:59	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 06:59	1		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 07:17	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 07:17	1		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 07:34	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 07:34	1		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 07:52	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 07:52	1		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 08:10	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 08:10	1		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 08:27	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 08:27	1		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 08:45	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 08:45	1		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 09:03	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 09:03	1		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 09:20	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 09:20	1		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 09:38	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 09:38	1		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 09:55	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 09:55	1		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 10:13	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 10:13	1		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 10:31	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 10:31	1		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 10:48	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 10:48	1		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 11:06	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 11:06	1		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 11:24	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 11:24	1		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 11:41	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 11:41	1		CLP-2 (0.53mm) 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP12 Start Date: 09/27/2016 05:13

Analysis Batch Number: 248519 End Date: 09/27/2016 13:27

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		09/27/2016 11:59	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 11:59	1		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 12:17	1		CLP-1 (0.53mm) 0.53(mm)
MB 240-248139/20-A		09/27/2016 12:17	1	P120927027.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 12:34	1		CLP-1 (0.53mm) 0.53(mm)
LCS 240-248139/21-A		09/27/2016 12:34	1	P120927028.D	CLP-2 (0.53mm) 0.53(mm)
CCVIS 240-248519/29		09/27/2016 12:52	1		CLP-1 (0.53mm) 0.53(mm)
CCVIS 240-248519/29		09/27/2016 12:52	1	P120927029.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 13:10	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 13:10	1		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/27/2016 13:27	5		CLP-1 (0.53mm) 0.53(mm)
240-69767-37		09/27/2016 13:27	5	P120927031.D	CLP-2 (0.53mm) 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP4 Start Date: 09/22/2016 15:34

Analysis Batch Number: 248056 End Date: 09/23/2016 07:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD005 240-248056/4 IC		09/22/2016 15:34	1	SIG10004.D	CLP-1 (0.53mm) 0.53(mm)
STD005 240-248056/4 IC		09/22/2016 15:34	1	SIG10004.D	CLP-2 (0.53mm) 0.53(mm)
STD01 240-248056/5 IC		09/22/2016 15:52	1	SIG10005.D	CLP-1 (0.53mm) 0.53(mm)
STD01 240-248056/5 IC		09/22/2016 15:52	1	SIG10005.D	CLP-2 (0.53mm) 0.53(mm)
STD02 240-248056/6 IC		09/22/2016 16:12	1	SIG10006.D	CLP-1 (0.53mm) 0.53(mm)
STD02 240-248056/6 IC		09/22/2016 16:12	1	SIG10006.D	CLP-2 (0.53mm) 0.53(mm)
STD05 240-248056/7 IC		09/22/2016 16:31	1	SIG10007.D	CLP-1 (0.53mm) 0.53(mm)
STD05 240-248056/7 IC		09/22/2016 16:31	1	SIG10007.D	CLP-2 (0.53mm) 0.53(mm)
STD1 240-248056/8 IC		09/22/2016 16:49	1	SIG10008.D	CLP-1 (0.53mm) 0.53(mm)
STD1 240-248056/8 IC		09/22/2016 16:49	1	SIG10008.D	CLP-2 (0.53mm) 0.53(mm)
STD2 240-248056/9 IC		09/22/2016 17:08	1	SIG10009.D	CLP-1 (0.53mm) 0.53(mm)
STD2 240-248056/9 IC		09/22/2016 17:08	1	SIG10009.D	CLP-2 (0.53mm) 0.53(mm)
STD005 240-248056/10 IC		09/22/2016 17:26	1	SIG10010.D	CLP-1 (0.53mm) 0.53(mm)
STD005 240-248056/10 IC		09/22/2016 17:26	1	SIG10010.D	CLP-2 (0.53mm) 0.53(mm)
STD01 240-248056/11 IC		09/22/2016 17:45	1	SIG10011.D	CLP-1 (0.53mm) 0.53(mm)
STD01 240-248056/11 IC		09/22/2016 17:45	1	SIG10011.D	CLP-2 (0.53mm) 0.53(mm)
STD02 240-248056/12 IC		09/22/2016 18:04	1	SIG10012.D	CLP-1 (0.53mm) 0.53(mm)
STD02 240-248056/12 IC		09/22/2016 18:04	1	SIG10012.D	CLP-2 (0.53mm) 0.53(mm)
STD05 240-248056/13 IC		09/22/2016 18:23	1	SIG10013.D	CLP-1 (0.53mm) 0.53(mm)
STD05 240-248056/13 IC		09/22/2016 18:23	1	SIG10013.D	CLP-2 (0.53mm) 0.53(mm)
STD1 240-248056/14 IC		09/22/2016 18:41	1	SIG10014.D	CLP-1 (0.53mm) 0.53(mm)
STD1 240-248056/14 IC		09/22/2016 18:41	1	SIG10014.D	CLP-2 (0.53mm) 0.53(mm)
STD2 240-248056/15 IC		09/22/2016 18:59	1	SIG10015.D	CLP-1 (0.53mm) 0.53(mm)
STD2 240-248056/15 IC		09/22/2016 18:59	1	SIG10015.D	CLP-2 (0.53mm) 0.53(mm)
STD005 240-248056/16 IC		09/22/2016 19:17	1	SIG10016.D	CLP-1 (0.53mm) 0.53(mm)
STD005 240-248056/16 IC		09/22/2016 19:17	1	SIG10016.D	CLP-2 (0.53mm) 0.53(mm)
STD01 240-248056/17 IC		09/22/2016 19:36	1	SIG10017.D	CLP-1 (0.53mm) 0.53(mm)
STD01 240-248056/17 IC		09/22/2016 19:36	1	SIG10017.D	CLP-2 (0.53mm) 0.53(mm)
STD02 240-248056/18 IC		09/22/2016 19:53	1	SIG10018.D	CLP-1 (0.53mm) 0.53(mm)
STD02 240-248056/18 IC		09/22/2016 19:53	1	SIG10018.D	CLP-2 (0.53mm) 0.53(mm)
STD05 240-248056/19 IC		09/22/2016 20:12	1	SIG10019.D	CLP-1 (0.53mm) 0.53(mm)
STD05 240-248056/19 IC		09/22/2016 20:12	1	SIG10019.D	CLP-2 (0.53mm) 0.53(mm)
STD1 240-248056/20 IC		09/22/2016 20:30	1	SIG10020.D	CLP-1 (0.53mm) 0.53(mm)

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PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP4 Start Date: 09/22/2016 15:34

Analysis Batch Number: 248056 End Date: 09/23/2016 07:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD1 240-248056/20 IC		09/22/2016 20:30	1	SIG10020.D	CLP-2 (0.53mm) 0.53(mm)
STD2 240-248056/21 IC		09/22/2016 20:48	1	SIG10021.D	CLP-1 (0.53mm) 0.53(mm)
STD2 240-248056/21 IC		09/22/2016 20:48	1	SIG10021.D	CLP-2 (0.53mm) 0.53(mm)
STD005 240-248056/22 IC		09/22/2016 21:06	1	SIG10022.D	CLP-1 (0.53mm) 0.53(mm)
STD005 240-248056/22 IC		09/22/2016 21:06	1	SIG10022.D	CLP-2 (0.53mm) 0.53(mm)
STD01 240-248056/23 IC		09/22/2016 21:24	1	SIG10023.D	CLP-1 (0.53mm) 0.53(mm)
STD01 240-248056/23 IC		09/22/2016 21:24	1	SIG10023.D	CLP-2 (0.53mm) 0.53(mm)
STD02 240-248056/24 IC		09/22/2016 21:42	1	SIG10024.D	CLP-1 (0.53mm) 0.53(mm)
STD02 240-248056/24 IC		09/22/2016 21:42	1	SIG10024.D	CLP-2 (0.53mm) 0.53(mm)
STD05 240-248056/25 IC		09/22/2016 22:00	1	SIG10025.D	CLP-1 (0.53mm) 0.53(mm)
STD05 240-248056/25 IC		09/22/2016 22:00	1	SIG10025.D	CLP-2 (0.53mm) 0.53(mm)
STD1 240-248056/26 IC		09/22/2016 22:18	1	SIG10026.D	CLP-1 (0.53mm) 0.53(mm)
STD1 240-248056/26 IC		09/22/2016 22:18	1	SIG10026.D	CLP-2 (0.53mm) 0.53(mm)
STD2 240-248056/27 IC		09/22/2016 22:36	1	SIG10027.D	CLP-1 (0.53mm) 0.53(mm)
STD2 240-248056/27 IC		09/22/2016 22:36	1	SIG10027.D	CLP-2 (0.53mm) 0.53(mm)
STD005 240-248056/28 IC		09/22/2016 22:54	1	SIG10028.D	CLP-1 (0.53mm) 0.53(mm)
STD005 240-248056/28 IC		09/22/2016 22:54	1	SIG10028.D	CLP-2 (0.53mm) 0.53(mm)
STD01 240-248056/29 IC		09/22/2016 23:12	1	SIG10029.D	CLP-1 (0.53mm) 0.53(mm)
STD01 240-248056/29 IC		09/22/2016 23:12	1	SIG10029.D	CLP-2 (0.53mm) 0.53(mm)
STD02 240-248056/30 IC		09/22/2016 23:30	1	SIG10030.D	CLP-1 (0.53mm) 0.53(mm)
STD02 240-248056/30 IC		09/22/2016 23:30	1	SIG10030.D	CLP-2 (0.53mm) 0.53(mm)
STD05 240-248056/31 ICIS		09/22/2016 23:48	1	SIG10031.D	CLP-1 (0.53mm) 0.53(mm)
STD05 240-248056/31 ICIS		09/22/2016 23:48	1	SIG10031.D	CLP-2 (0.53mm) 0.53(mm)
STD1 240-248056/32 IC		09/23/2016 00:06	1	SIG10032.D	CLP-1 (0.53mm) 0.53(mm)
STD1 240-248056/32 IC		09/23/2016 00:06	1	SIG10032.D	CLP-2 (0.53mm) 0.53(mm)
STD2 240-248056/33 IC		09/23/2016 00:25	1	SIG10033.D	CLP-1 (0.53mm) 0.53(mm)
STD2 240-248056/33 IC		09/23/2016 00:25	1	SIG10033.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-248056/34		09/23/2016 00:42	1		CLP-1 (0.53mm) 0.53(mm)
ICV 240-248056/34		09/23/2016 00:42	1	SIG10034.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-248056/35		09/23/2016 01:00	1		CLP-1 (0.53mm) 0.53(mm)
ICV 240-248056/35		09/23/2016 01:00	1	SIG10035.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-248056/36		09/23/2016 01:18	1		CLP-1 (0.53mm) 0.53(mm)
ICV 240-248056/36		09/23/2016 01:18	1	SIG10036.D	CLP-2 (0.53mm) 0.53(mm)

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PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP4 Start Date: 09/22/2016 15:34

Analysis Batch Number: 248056 End Date: 09/23/2016 07:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ICV 240-248056/37		09/23/2016 01:36	1		CLP-1 (0.53mm) 0.53(mm)
ICV 240-248056/37		09/23/2016 01:36	1	SIG10037.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-248056/39		09/23/2016 02:12	1		CLP-1 (0.53mm) 0.53(mm)
ICV 240-248056/39		09/23/2016 02:12	1	SIG10039.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-248056/40		09/23/2016 02:30	1		CLP-1 (0.53mm) 0.53(mm)
ICV 240-248056/40		09/23/2016 02:30	1	SIG10040.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-248056/41		09/23/2016 02:48	1		CLP-1 (0.53mm) 0.53(mm)
ICV 240-248056/41		09/23/2016 02:48	1	SIG10041.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-248056/42		09/23/2016 07:26	1		CLP-1 (0.53mm) 0.53(mm)
ICV 240-248056/42		09/23/2016 07:26	1	SIG10042.D	CLP-2 (0.53mm) 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP4 Start Date: 09/29/2016 05:55

Analysis Batch Number: 248994 End Date: 09/29/2016 15:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCV 240-248994/3 CCVIS		09/29/2016 05:55	1		CLP-1 (0.53mm) 0.53(mm)
CCV 240-248994/3 CCVIS		09/29/2016 05:55	1	SIG10003.D	CLP-2 (0.53mm) 0.53(mm)
CCV 240-248994/4		09/29/2016 06:12	1		CLP-1 (0.53mm) 0.53(mm)
CCV 240-248994/4		09/29/2016 06:12	1	SIG10004.D	CLP-2 (0.53mm) 0.53(mm)
CCV 240-248994/5		09/29/2016 06:30	1		CLP-1 (0.53mm) 0.53(mm)
CCV 240-248994/5		09/29/2016 06:30	1	SIG10005.D	CLP-2 (0.53mm) 0.53(mm)
CCV 240-248994/6		09/29/2016 06:48	1		CLP-1 (0.53mm) 0.53(mm)
CCV 240-248994/6		09/29/2016 06:48	1	SIG10006.D	CLP-2 (0.53mm) 0.53(mm)
CCV 240-248994/7		09/29/2016 07:05	1		CLP-1 (0.53mm) 0.53(mm)
CCV 240-248994/7		09/29/2016 07:05	1	SIG10007.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/29/2016 10:03	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-48		09/29/2016 10:03	1	SIG10009.D	CLP-2 (0.53mm) 0.53(mm)
240-69767-49		09/29/2016 10:20	1	SIG10010.D	CLP-1 (0.53mm) 0.53(mm)
240-69767-49		09/29/2016 10:20	1	SIG10010.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/29/2016 10:38	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/29/2016 10:38	1		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/29/2016 10:55	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		09/29/2016 10:55	1		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/29/2016 11:13	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-52		09/29/2016 11:13	1	SIG10013.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/29/2016 11:31	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-53		09/29/2016 11:31	1	SIG10014.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/29/2016 11:49	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-54		09/29/2016 11:49	1	SIG10015.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/29/2016 12:07	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-55		09/29/2016 12:07	1	SIG10016.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/29/2016 12:24	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-56		09/29/2016 12:24	1	SIG10017.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/29/2016 12:42	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-57		09/29/2016 12:42	1	SIG10018.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/29/2016 13:01	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-58		09/29/2016 13:01	1	SIG10019.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/29/2016 13:19	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-59		09/29/2016 13:19	1	SIG10020.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/29/2016 13:37	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-60		09/29/2016 13:37	1	SIG10021.D	CLP-2 (0.53mm) 0.53(mm)
240-69767-61		09/29/2016 13:56	1	SIG10022.D	CLP-1 (0.53mm) 0.53(mm)
240-69767-61		09/29/2016 13:56	1	SIG10022.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/29/2016 14:14	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-61 MS		09/29/2016 14:14	1	SIG10023.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/29/2016 14:33	1		CLP-1 (0.53mm) 0.53(mm)
240-69767-61 MSD		09/29/2016 14:33	1	SIG10024.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		09/29/2016 14:50	1		CLP-1 (0.53mm) 0.53(mm)
MB 240-248570/17-A		09/29/2016 14:50	1	SIG10025.D	CLP-2 (0.53mm) 0.53(mm)

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PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP4 Start Date: 09/29/2016 05:55

Analysis Batch Number: 248994 End Date: 09/29/2016 15:09

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		09/29/2016 15:09	1		CLP-1 (0.53mm) 0.53(mm)
LCS 240-248570/18-A		09/29/2016 15:09	1	SIG10026.D	CLP-2 (0.53mm) 0.53(mm)

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247657

SDG No.:

Instrument ID: A2HP10 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2016 18:18 Calibration End Date: 09/20/2016 19:53 Calibration ID: 36102

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-247657/4	P100920004.D
Level 2	STD01 240-247657/5	P100920005.D
Level 3	STD02 240-247657/6	P100920006.D
Level 4	STD05 240-247657/7	P100920007.D
Level 5	STD1 240-247657/8	P100920008.D
Level 6	STD2 240-247657/9	P100920009.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1232 Peak 1	0.0276 0.0180	0.0267	0.0239	0.0213	0.0195	Lin1	0.0007	0.0184							0.9950		0.9900
PCB-1232 Peak 2	0.0198 0.0136	0.0185	0.0176	0.0156	0.0144	Lin1	0.0004	0.0138							0.9970		0.9900
PCB-1232 Peak 3	0.0394 0.0317	0.0390	0.0360	0.0327	0.0323	Lin1	0.0006	0.0316							0.9990		0.9900
PCB-1232 Peak 4	0.0121 0.0141	0.0166	0.0163	0.0141	0.0146	Lin1	0.0001	0.0143							0.9970		0.9900
PCB-1232 Peak 5	0.0166 0.0127	0.0152	0.0139	0.0130	0.0134	Lin1	0.0002	0.0127							0.9990		0.9900
PCB-1262 Peak 1	0.0405 0.0333	0.0379	0.0368	0.0349	0.0340	Lin1	0.0004	0.0334							1.0000		0.9900
PCB-1262 Peak 2	0.0669 0.0640	0.0667	0.0674	0.0648	0.0636	Lin1	0.0003	0.0639							1.0000		0.9900
PCB-1262 Peak 3	0.0615 0.0548	0.0585	0.0583	0.0550	0.0543	Lin1	0.0004	0.0544							1.0000		0.9900
PCB-1262 Peak 4	0.1549 0.1399	0.1480	0.1438	0.1374	0.1365	Lin1	0.0008	0.1380							1.0000		0.9900
PCB-1262 Peak 5	0.0646 0.0527	0.0603	0.0572	0.0533	0.0521	Lin1	0.0007	0.0520							1.0000		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247657

SDG No.:

Instrument ID: A2HP10 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2016 18:18 Calibration End Date: 09/20/2016 19:53 Calibration ID: 36102

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-247657/4	P100920004.D
Level 2	STD01 240-247657/5	P100920005.D
Level 3	STD02 240-247657/6	P100920006.D
Level 4	STD05 240-247657/7	P100920007.D
Level 5	STD1 240-247657/8	P100920008.D
Level 6	STD2 240-247657/9	P100920009.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	BNB	Lin1	6918540 197593474	14136338	27466686	58881655	106020013	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 2	BNB	Lin1	4965540 149636322	9818539	20202688	42976960	78409719	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 3	BNB	Lin1	9882961 348046003	20650183	41410570	90252061	175653732	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 4	BNB	Lin1	3038129 154607350	8762635	18702241	38909726	79644694	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 5	BNB	Lin1	4153041 139259210	8039910	16018051	35860470	72706885	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 1	BNB	Lin1	10147171 365548548	20066420	42354215	96260696	184734557	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 2	BNB	Lin1	16774808 703449753	35303584	77550986	178850720	346077860	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 3	BNB	Lin1	15416067 602552982	30966788	67100098	151761907	295221913	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 4	BNB	Lin1	38844104 1538328635	78383353	165367947	378903250	742828491	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 5	BNB	Lin1	16211048 578844628	31918869	65751962	147159241	283162812	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247657

SDG No.:

Instrument ID: A2HP10 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2016 18:18 Calibration End Date: 09/20/2016 19:53 Calibration ID: 36103

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-247657/4	P100920004.D
Level 2	STD01 240-247657/5	P100920005.D
Level 3	STD02 240-247657/6	P100920006.D
Level 4	STD05 240-247657/7	P100920007.D
Level 5	STD1 240-247657/8	P100920008.D
Level 6	STD2 240-247657/9	P100920009.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1232 Peak 1	0.0258 0.0172	0.0246	0.0214	0.0211	0.0192	Lin1	0.0006	0.0179							0.9940		0.9900
PCB-1232 Peak 2	0.0228 0.0151	0.0209	0.0190	0.0179	0.0163	Lin1	0.0005	0.0155							0.9970		0.9900
PCB-1232 Peak 3	0.0428 0.0322	0.0403	0.0374	0.0356	0.0334	Lin1	0.0007	0.0325							0.9990		0.9900
PCB-1232 Peak 4	0.0195 0.0136	0.0183	0.0168	0.0159	0.0146	Lin1	0.0004	0.0139							0.9970		0.9900
PCB-1232 Peak 5	0.0181 0.0094	0.0146	0.0124	0.0113	0.0100	Lin1	0.0005	0.0094							0.9980		0.9900
PCB-1262 Peak 1	0.0478 0.0355	0.0441	0.0422	0.0398	0.0370	Lin1	0.0008	0.0360							0.9980		0.9900
PCB-1262 Peak 2	0.0752 0.0575	0.0700	0.0666	0.0617	0.0591	Lin1	0.0011	0.0577							0.9990		0.9900
PCB-1262 Peak 3	0.0660 0.0518	0.0610	0.0583	0.0553	0.0526	Lin1	0.0009	0.0519							1.0000		0.9900
PCB-1262 Peak 4	0.1413 0.1140	0.1305	0.1262	0.1216	0.1138	Lin1	0.0017	0.1137							1.0000		0.9900
PCB-1262 Peak 5	0.1010 0.0818	0.0921	0.0890	0.0856	0.0813	Lin1	0.0011	0.0813							1.0000		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247657

SDG No.:

Instrument ID: A2HP10 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2016 18:18 Calibration End Date: 09/20/2016 19:53 Calibration ID: 36103

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-247657/4	P100920004.D
Level 2	STD01 240-247657/5	P100920005.D
Level 3	STD02 240-247657/6	P100920006.D
Level 4	STD05 240-247657/7	P100920007.D
Level 5	STD1 240-247657/8	P100920008.D
Level 6	STD2 240-247657/9	P100920009.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	BNB	Lin1	3605258 107075218	7182756	13767574	31912407	58821179	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 2	BNB	Lin1	3181036 93923591	6101459	12218658	27110639	49749141	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 3	BNB	Lin1	5986029 199931014	11777251	24066571	53973600	102194026	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 4	BNB	Lin1	2728289 84514804	5341876	10775712	24009636	44584502	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 5	BNB	Lin1	2528780 58369804	4273495	7953657	17054107	30531015	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 1	BNB	Lin1	6682180 220535905	12896356	27110921	60285582	113278210	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 2	BNB	Lin1	10507981 357000396	20462437	42847860	93507309	180607831	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 3	BNB	Lin1	9227786 321917113	17841898	37481555	83837524	160748956	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 4	BNB	Lin1	19753457 708214735	38153360	81133847	184262485	347931394	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 5	BNB	Lin1	14126903 508010728	26937373	57260202	129661901	248614722	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247657

SDG No.:

Instrument ID: A2HP10 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2016 20:12 Calibration End Date: 09/20/2016 21:47 Calibration ID: 36108

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-247657/10	P100920010.D
Level 2	STD01 240-247657/11	P100920011.D
Level 3	STD02 240-247657/12	P100920012.D
Level 4	STD05 240-247657/13	P100920013.D
Level 5	STD1 240-247657/14	P100920014.D
Level 6	STD2 240-247657/15	P100920015.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1242 Peak 1	0.0198 0.0125	0.0184	0.0169	0.0148	0.0138	Lin1	0.0005	0.0128							0.9950		0.9900
PCB-1242 Peak 2	0.0366 0.0231	0.0325	0.0283	0.0262	0.0244	Lin1	0.0008	0.0233							0.9980		0.9900
PCB-1242 Peak 3	0.0809 0.0570	0.0669	0.0651	0.0573	0.0565	Lin1	0.0012	0.0560							1.0000		0.9900
PCB-1242 Peak 4	0.0333 0.0250	0.0285	0.0273	0.0252	0.0255	Lin1	0.0004	0.0248							1.0000		0.9900
PCB-1242 Peak 5	0.0322 0.0252	0.0299	0.0272	0.0254	0.0250	Lin1	0.0004	0.0248							1.0000		0.9900
PCB-1268 Peak 1	0.1686 0.1511	0.1531	0.1423	0.1419	0.1444	Lin1	0.0005	0.1472							0.9990		0.9900
PCB-1268 Peak 2	0.1865 0.1543	0.1644	0.1538	0.1483	0.1486	Lin1	0.0014	0.1506							0.9990		0.9900
PCB-1268 Peak 3	0.1531 0.1315	0.1370	0.1284	0.1245	0.1260	Lin1	0.0008	0.1281							0.9990		0.9900
PCB-1268 Peak 4	0.0680 0.0528	0.0611	0.0566	0.0523	0.0515	Lin1	0.0008	0.0517							1.0000		0.9900
PCB-1268 Peak 5	0.4356 0.4229	0.3946	0.3813	0.3874	0.3922	Lin1	-0.001	0.4093							0.9980		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247657

SDG No.:

Instrument ID: A2HP10 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2016 20:12 Calibration End Date: 09/20/2016 21:47 Calibration ID: 36108

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-247657/10	P100920010.D
Level 2	STD01 240-247657/11	P100920011.D
Level 3	STD02 240-247657/12	P100920012.D
Level 4	STD05 240-247657/13	P100920013.D
Level 5	STD1 240-247657/14	P100920014.D
Level 6	STD2 240-247657/15	P100920015.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	BNB	Lin1	4968080 129598545	10179656	18783013	43370694	76934196	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 2	BNB	Lin1	9166248 240159055	18023456	31426062	76884217	136158819	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 3	BNB	Lin1	20283761 592852399	37116986	72131724	168164959	314990038	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 4	BNB	Lin1	8357674 259461388	15789503	30219377	73855196	142350404	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 5	BNB	Lin1	8064484 261484960	16589550	30141028	74556619	139381731	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 1	BNB	Lin1	42270976 1570070530	84899759	157816977	416240476	804792153	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 2	BNB	Lin1	46752147 1603588723	91192688	170574115	435180199	828692365	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 3	BNB	Lin1	38374720 1366398799	75990292	142345265	365154301	702489836	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 4	BNB	Lin1	17050479 549107665	33901136	62804238	153490193	287211309	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 5	BNB	Lin1	109182188 4394829582	218862388	422725099	1136604315	2186546853	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247657

SDG No.:

Instrument ID: A2HP10 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2016 20:12 Calibration End Date: 09/20/2016 21:47 Calibration ID: 36109

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-247657/10	P100920010.D
Level 2	STD01 240-247657/11	P100920011.D
Level 3	STD02 240-247657/12	P100920012.D
Level 4	STD05 240-247657/13	P100920013.D
Level 5	STD1 240-247657/14	P100920014.D
Level 6	STD2 240-247657/15	P100920015.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1242 Peak 1	0.0193 0.0132	0.0173	0.0162	0.0146	0.0138	Lin1	0.0004	0.0133							0.9990		0.9900
PCB-1242 Peak 2	0.0425 0.0287	0.0368	0.0339	0.0285	0.0267	Lin1	0.0008	0.0275							0.9970		0.9900
PCB-1242 Peak 3	0.0787 0.0598	0.0700	0.0650	0.0606	0.0583	Lin1	0.0010	0.0587							1.0000		0.9900
PCB-1242 Peak 4	0.0357 0.0249	0.0312	0.0288	0.0261	0.0243	Lin1	0.0006	0.0244							0.9990		0.9900
PCB-1242 Peak 5	0.0335 0.0189	0.0257	0.0226	0.0198	0.0185	Lin1	0.0008	0.0183							1.0000		0.9900
PCB-1268 Peak 1	0.1743 0.1448	0.1553	0.1456	0.1409	0.1401	Lin1	0.0013	0.1417							0.9990		0.9900
PCB-1268 Peak 2	0.1772 0.1408	0.1559	0.1459	0.1398	0.1374	Lin1	0.0018	0.1382							1.0000		0.9900
PCB-1268 Peak 3	0.1486 0.1209	0.1308	0.1226	0.1187	0.1167	Lin1	0.0013	0.1183							0.9990		0.9900
PCB-1268 Peak 4	0.0641 0.0491	0.0566	0.0525	0.0491	0.0477	Lin1	0.0008	0.0481							1.0000		0.9900
PCB-1268 Peak 5	0.4304 0.3958	0.3884	0.3747	0.3750	0.3732	Lin1	0.0007	0.3854							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247657

SDG No.:

Instrument ID: A2HP10 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2016 20:12 Calibration End Date: 09/20/2016 21:47 Calibration ID: 36109

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-247657/10	P100920010.D
Level 2	STD01 240-247657/11	P100920011.D
Level 3	STD02 240-247657/12	P100920012.D
Level 4	STD05 240-247657/13	P100920013.D
Level 5	STD1 240-247657/14	P100920014.D
Level 6	STD2 240-247657/15	P100920015.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	BNB	Lin1	2675632 76836560	5396049	10150602	24023083	43140648	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 2	BNB	Lin1	5876693 167014663	11491498	21252374	46874617	83646699	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 3	BNB	Lin1	10897485 347712580	21824486	40699135	99805451	182931291	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 4	BNB	Lin1	4938054 144594810	9738332	18039174	43047986	76123240	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 5	BNB	Lin1	4631133 109651093	8027598	14136470	32662787	57970515	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 1	BNB	Lin1	24125039 841461272	48428752	91169267	231972191	439360302	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 2	BNB	Lin1	24527599 818314909	48611811	91349901	230246641	430978197	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 3	BNB	Lin1	20564860 702646622	40786387	76733429	195391633	365974369	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 4	BNB	Lin1	8870380 285464405	17648161	32840424	80835390	149611038	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 5	BNB	Lin1	59572651 2300271521	121132880	234528236	617472197	1170401493	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247657

SDG No.:

Instrument ID: A2HP10 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2016 22:06 Calibration End Date: 09/20/2016 23:40 Calibration ID: 36114

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-247657/16	P100920016.D
Level 2	STD01 240-247657/17	P100920017.D
Level 3	STD02 240-247657/18	P100920018.D
Level 4	STD05 240-247657/19	P100920019.D
Level 5	STD1 240-247657/20	P100920020.D
Level 6	STD2 240-247657/21	P100920021.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1248 Peak 1	0.0190 0.0123	0.0173	0.0166	0.0145	0.0138	Lin1	0.0004	0.0127							0.9950		0.9900
PCB-1248 Peak 2	0.0427 0.0350	0.0418	0.0412	0.0373	0.0375	Lin1	0.0006	0.0357							0.9980		0.9900
PCB-1248 Peak 3	0.0449 0.0353	0.0441	0.0437	0.0382	0.0395	Lin1	0.0007	0.0365							0.9960		0.9900
PCB-1248 Peak 4	0.0312 0.0269	0.0329	0.0295	0.0282	0.0297	Lin1	0.0003	0.0277							0.9980		0.9900
PCB-1248 Peak 5	0.0190 0.0174	0.0231	0.0182	0.0174	0.0209	Lin1	0.0002	0.0182							0.9900		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton | Job No.: 240-69767-1 | Analy Batch No.: 247657

SDG No.:

Instrument ID: A2HP10 | GC Column: CLP-1 (0.53 ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2016 22:06 | Calibration End Date: 09/20/2016 23:40 | Calibration ID: 36114

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-247657/16	P100920016.D
Level 2	STD01 240-247657/17	P100920017.D
Level 3	STD02 240-247657/18	P100920018.D
Level 4	STD05 240-247657/19	P100920019.D
Level 5	STD1 240-247657/20	P100920020.D
Level 6	STD2 240-247657/21	P100920021.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	BNB	Lin1	5425943 141164048	10197591	18596450	42353592	75292715	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 2	BNB	Lin1	12185882 402452746	24675773	46284798	109121122	204636846	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 3	BNB	Lin1	12837083 406562983	25990454	49091595	111594953	215392177	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 4	BNB	Lin1	8902694 310067187	19397922	33136219	82463831	162009377	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 5	BNB	Lin1	5429583 199962548	13649960	20470591	50939303	113770045	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton | Job No.: 240-69767-1 | Analy Batch No.: 247657

SDG No.:

Instrument ID: A2HP10 | GC Column: CLP-2 (0.53 ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2016 22:06 | Calibration End Date: 09/20/2016 23:40 | Calibration ID: 36115

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-247657/16	P100920016.D
Level 2	STD01 240-247657/17	P100920017.D
Level 3	STD02 240-247657/18	P100920018.D
Level 4	STD05 240-247657/19	P100920019.D
Level 5	STD1 240-247657/20	P100920020.D
Level 6	STD2 240-247657/21	P100920021.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1248 Peak 1	0.0205 0.0140	0.0189	0.0176	0.0160	0.0160	Lin1	0.0004	0.0145							0.9950		0.9900
PCB-1248 Peak 2	0.0466 0.0372	0.0449	0.0429	0.0398	0.0403	Lin1	0.0006	0.0380							0.9980		0.9900
PCB-1248 Peak 3	0.0433 0.0277	0.0369	0.0339	0.0306	0.0305	Lin1	0.0009	0.0282							0.9980		0.9900
PCB-1248 Peak 4	0.0484 0.0349	0.0429	0.0423	0.0383	0.0380	Lin1	0.0008	0.0357							0.9980		0.9900
PCB-1248 Peak 5	0.0217 0.0183	0.0209	0.0222	0.0205	0.0201	Lin1	0.0003	0.0190							0.9970		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247657

SDG No.:

Instrument ID: A2HP10 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2016 22:06 Calibration End Date: 09/20/2016 23:40 Calibration ID: 36115

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-247657/16	P100920016.D
Level 2	STD01 240-247657/17	P100920017.D
Level 3	STD02 240-247657/18	P100920018.D
Level 4	STD05 240-247657/19	P100920019.D
Level 5	STD1 240-247657/20	P100920020.D
Level 6	STD2 240-247657/21	P100920021.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	BNB	Lin1	3276291 90242501	6247637	11155837	26409285	48580766	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 2	BNB	Lin1	7432277 239988834	14870150	27126559	65488266	122234826	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 3	BNB	Lin1	6909066 178540187	12236921	21476585	50372745	92382969	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 4	BNB	Lin1	7727997 225388807	14208796	26741336	63171752	115352614	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 5	BNB	Lin1	3471007 118401096	6911460	14055676	33808663	61054372	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247657

SDG No.:

Instrument ID: A2HP10 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2016 23:59 Calibration End Date: 09/21/2016 01:34 Calibration ID: 36120

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-247657/22	P100920022.D
Level 2	STD01 240-247657/23	P100920023.D
Level 3	STD02 240-247657/24	P100920024.D
Level 4	STD05 240-247657/25	P100920025.D
Level 5	STD1 240-247657/26	P100920026.D
Level 6	STD2 240-247657/27	P100920027.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1221 Peak 1	0.0136 0.0089	0.0128	0.0109	0.0108	0.0097	Lin1	0.0003	0.0091							0.9950		0.9900
PCB-1221 Peak 2	0.0086 0.0057	0.0083	0.0073	0.0068	0.0063	Lin1	0.0002	0.0059							0.9950		0.9900
PCB-1221 Peak 3	0.0349 0.0210	0.0323	0.0275	0.0253	0.0227	Lin1	0.0009	0.0214							0.9960		0.9900
PCB-1254 Peak 1	0.0434 0.0289	0.0411	0.0335	0.0319	0.0314	Lin1	0.0009	0.0293							0.9980		0.9900
PCB-1254 Peak 2	0.0566 0.0410	0.0536	0.0444	0.0432	0.0437	Lin1	0.0009	0.0413							0.9990		0.9900
PCB-1254 Peak 3	0.0747 0.0587	0.0806	0.0684	0.0606	0.0609	Lin1	0.0013	0.0587							0.9980		0.9900
PCB-1254 Peak 4	0.0525 0.0477	0.0605	0.0522	0.0511	0.0509	Lin1	0.0006	0.0487							0.9980		0.9900
PCB-1254 Peak 5	0.0672 0.0603	0.0741	0.0644	0.0630	0.0626	Lin1	0.0007	0.0608							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247657

SDG No.:

Instrument ID: A2HP10 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2016 23:59 Calibration End Date: 09/21/2016 01:34 Calibration ID: 36120

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-247657/22	P100920022.D
Level 2	STD01 240-247657/23	P100920023.D
Level 3	STD02 240-247657/24	P100920024.D
Level 4	STD05 240-247657/25	P100920025.D
Level 5	STD1 240-247657/26	P100920026.D
Level 6	STD2 240-247657/27	P100920027.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	BNB	Lin1	3485594 101691673	6488591	12538352	29847398	51625994	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 2	BNB	Lin1	2200875 64949659	4185769	8383801	18737700	33872434	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 3	BNB	Lin1	8968613 240690272	16341604	31710550	70138009	121531749	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 1	BNB	Lin1	11144088 331216798	20773038	38673932	88413499	167893648	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 2	BNB	Lin1	14533759 469387464	27086709	51315328	119809022	233879887	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 3	BNB	Lin1	19187653 672338570	40772064	78962184	167904427	325832467	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 4	BNB	Lin1	13485623 546825988	30599367	60300218	141512418	272151540	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 5	BNB	Lin1	17255184 690706703	37481802	74390996	174583150	335049671	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247657

SDG No.:

Instrument ID: A2HP10 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2016 23:59 Calibration End Date: 09/21/2016 01:34 Calibration ID: 36121

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-247657/22	P100920022.D
Level 2	STD01 240-247657/23	P100920023.D
Level 3	STD02 240-247657/24	P100920024.D
Level 4	STD05 240-247657/25	P100920025.D
Level 5	STD1 240-247657/26	P100920026.D
Level 6	STD2 240-247657/27	P100920027.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1221 Peak 1	0.0168 0.0091	0.0132	0.0110	0.0109	0.0100	Lin1	0.0004	0.0092							0.9970		0.9900
PCB-1221 Peak 2	0.0089 0.0058	0.0087	0.0070	0.0072	0.0065	Lin1	0.0002	0.0060							0.9940		0.9900
PCB-1221 Peak 3	0.0333 0.0210	0.0315	0.0254	0.0255	0.0234	Lin1	0.0008	0.0216							0.9950		0.9900
PCB-1254 Peak 1	0.0549 0.0339	0.0523	0.0414	0.0394	0.0380	Lin1	0.0013	0.0347							0.9960		0.9900
PCB-1254 Peak 2	0.0550 0.0377	0.0531	0.0433	0.0423	0.0413	Lin1	0.0011	0.0384							0.9970		0.9900
PCB-1254 Peak 3	0.0820 0.0593	0.0794	0.0664	0.0661	0.0638	Lin1	0.0014	0.0603							0.9980		0.9900
PCB-1254 Peak 4	0.0533 0.0395	0.0510	0.0432	0.0422	0.0415	Lin1	0.0008	0.0397							0.9990		0.9900
PCB-1254 Peak 5	0.0801 0.0554	0.0752	0.0628	0.0612	0.0591	Lin1	0.0015	0.0560							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247657

SDG No.:

Instrument ID: A2HP10 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/20/2016 23:59 Calibration End Date: 09/21/2016 01:34 Calibration ID: 36121

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-247657/22	P100920022.D
Level 2	STD01 240-247657/23	P100920023.D
Level 3	STD02 240-247657/24	P100920024.D
Level 4	STD05 240-247657/25	P100920025.D
Level 5	STD1 240-247657/26	P100920026.D
Level 6	STD2 240-247657/27	P100920027.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	BNB	Lin1	2380708 60500418	3673300	7214115	16862137	30430675	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 2	BNB	Lin1	1254727 38726210	2424201	4616438	11042668	19793172	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 3	BNB	Lin1	4712115 139922793	8792866	16691540	39310212	71404760	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 1	BNB	Lin1	7778109 225856202	14612449	27237083	60795513	115920352	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 2	BNB	Lin1	7793308 251042324	14828668	28494699	65295173	126057697	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 3	BNB	Lin1	11614890 394997669	22165079	43687273	101905045	194543924	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 4	BNB	Lin1	7556192 263082249	14245809	28394008	65025664	126516238	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 5	BNB	Lin1	11345108 369141247	21002199	41350826	94359274	180401123	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247657

SDG No.:

Instrument ID: A2HP10 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2016 01:53 Calibration End Date: 09/21/2016 03:28 Calibration ID: 36126

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-247657/28	P100920028.D
Level 2	STD01 240-247657/29	P100920029.D
Level 3	STD02 240-247657/30	P100920030.D
Level 4	STD05 240-247657/31	P100920031.D
Level 5	STD1 240-247657/32	P100920032.D
Level 6	STD2 240-247657/33	P100920033.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0240 0.0152	0.0231	0.0201	0.0177	0.0176	Lin1	0.0006	0.0158							0.9940		0.9900
PCB-1016 Peak 2	0.0402 0.0265	0.0391	0.0342	0.0307	0.0300	Lin1	0.0009	0.0274							0.9950		0.9900
PCB-1016 Peak 3	0.0942 0.0663	0.0944	0.0726	0.0686	0.0711	Lin1	0.0018	0.0665							0.9980		0.9900
PCB-1016 Peak 4	0.0375 0.0275	0.0384	0.0332	0.0302	0.0306	Lin1	0.0007	0.0282							0.9970		0.9900
PCB-1016 Peak 5	0.0369 0.0278	0.0391	0.0325	0.0303	0.0316	Lin1	0.0007	0.0287							0.9960		0.9900
PCB-1260 Peak 1	0.0488 0.0407	0.0519	0.0432	0.0422	0.0436	Lin1	0.0006	0.0413							0.9980		0.9900
PCB-1260 Peak 2	0.0890 0.0752	0.0929	0.0802	0.0780	0.0797	Lin1	0.0010	0.0761							0.9990		0.9900
PCB-1260 Peak 3	0.0847 0.0757	0.0889	0.0775	0.0766	0.0788	Lin1	0.0007	0.0761							0.9990		0.9900
PCB-1260 Peak 4	0.1184 0.1015	0.1284	0.1092	0.1109	0.1151	Lin1	0.0013	0.1055							0.9960		0.9900
PCB-1260 Peak 5	0.0478 0.0468	0.0514	0.0457	0.0469	0.0479	Lin1	0.0001	0.0470							1.0000		0.9900
Tetrachloro-m-xylene	1.3224 0.9392	1.2674	1.1218	1.0407	1.0186	Ave		1.1184				13.4		20.0			
DCB Decachlorobiphenyl	1.1110 0.8811	1.0848	0.9504	0.9112	0.9271	Ave		0.9776				9.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247657

SDG No.:

Instrument ID: A2HP10 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2016 01:53 Calibration End Date: 09/21/2016 03:28 Calibration ID: 36126

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-247657/28	P100920028.D
Level 2	STD01 240-247657/29	P100920029.D
Level 3	STD02 240-247657/30	P100920030.D
Level 4	STD05 240-247657/31	P100920031.D
Level 5	STD1 240-247657/32	P100920032.D
Level 6	STD2 240-247657/33	P100920033.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Lin1	6897984 179909574	12220589	24121787	53826500	95850960	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 2	BNB	Lin1	11566330 312452248	20706144	41086822	93434579	163450273	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 3	BNB	Lin1	27122502 782248609	50021436	87168817	208377372	387513333	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 4	BNB	Lin1	10801090 324093251	20354558	39874556	91764335	166890779	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 5	BNB	Lin1	10614943 327898944	20724788	38976575	92198559	172236120	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 1	BNB	Lin1	14043476 480414392	27503791	51837685	128214447	237630851	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 2	BNB	Lin1	25611179 887182872	49229090	96248774	237173585	434696635	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 3	BNB	Lin1	24381156 892561007	47094269	92934053	232928266	429630172	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 4	BNB	Lin1	34098955 1197234659	68028439	130989310	337026003	627596205	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 5	BNB	Lin1	13749051 552140756	27232699	54875259	142600181	261330549	0.0500 2.00	0.100	0.200	0.500	1.00
Tetrachloro-m-xylene	BNB	Ave	19037710 553982756	33586003	67301001	158153754	277629483	0.00250 0.100	0.00500	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl	BNB	Ave	15994298 519730495	28746955	57016193	138464214	252682894	0.00250 0.100	0.00500	0.0100	0.0250	0.0500

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247657

SDG No.:

Instrument ID: A2HP10 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2016 01:53 Calibration End Date: 09/21/2016 03:28 Calibration ID: 36127

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-247657/28	P100920028.D
Level 2	STD01 240-247657/29	P100920029.D
Level 3	STD02 240-247657/30	P100920030.D
Level 4	STD05 240-247657/31	P100920031.D
Level 5	STD1 240-247657/32	P100920032.D
Level 6	STD2 240-247657/33	P100920033.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0198 0.0151	0.0212	0.0181	0.0165	0.0170	Lin1	0.0004	0.0156							0.9960		0.9900
PCB-1016 Peak 2	0.0451 0.0294	0.0469	0.0365	0.0337	0.0367	Ave		0.0381				17.7		20.0			
PCB-1016 Peak 3	0.0851 0.0684	0.0879	0.0758	0.0732	0.0757	Lin1	0.0012	0.0702							0.9970		0.9900
PCB-1016 Peak 4	0.0384 0.0281	0.0395	0.0333	0.0313	0.0320	Lin1	0.0007	0.0291							0.9950		0.9900
PCB-1016 Peak 5	0.0329 0.0212	0.0310	0.0256	0.0235	0.0238	Lin1	0.0007	0.0217							0.9970		0.9900
PCB-1260 Peak 1	0.0562 0.0423	0.0576	0.0493	0.0459	0.0469	Lin1	0.0010	0.0434							0.9970		0.9900
PCB-1260 Peak 2	0.0631 0.0486	0.0625	0.0549	0.0524	0.0534	Lin1	0.0009	0.0497							0.9980		0.9900
PCB-1260 Peak 3	0.0889 0.0711	0.0903	0.0798	0.0752	0.0767	Lin1	0.0012	0.0723							0.9980		0.9900
PCB-1260 Peak 4	0.1162 0.0935	0.1162	0.0999	0.0973	0.1002	Lin1	0.0014	0.0948							0.9990		0.9900
PCB-1260 Peak 5	0.0808 0.0660	0.0801	0.0709	0.0686	0.0705	Lin1	0.0009	0.0669							0.9990		0.9900
Tetrachloro-m-xylene	1.1889 1.0434	1.1776	1.0469	1.0523	1.0817	Ave		1.0985				6.1		20.0			
DCB Decachlorobiphenyl	1.1129 0.8638	1.0922	0.9343	0.9042	0.9208	Ave		0.9714				10.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247657

SDG No.:

Instrument ID: A2HP10 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/21/2016 01:53 Calibration End Date: 09/21/2016 03:28 Calibration ID: 36127

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-247657/28	P100920028.D
Level 2	STD01 240-247657/29	P100920029.D
Level 3	STD02 240-247657/30	P100920030.D
Level 4	STD05 240-247657/31	P100920031.D
Level 5	STD1 240-247657/32	P100920032.D
Level 6	STD2 240-247657/33	P100920033.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Lin1	3210473 98958664	6311070	12343490	28070795	51463546	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 2	BNB	Ave	7320076 193026407	13976710	24976195	57271501	110716681	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 3	BNB	Lin1	13793664 449030682	26186629	51850968	124176188	228531998	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 4	BNB	Lin1	6233213 184268130	11777449	22780005	53175670	96570430	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 5	BNB	Lin1	5331795 139087265	9246313	17478065	39888864	71781645	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 1	BNB	Lin1	9115853 278032170	17156447	33734777	77848815	141721724	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 2	BNB	Lin1	10227190 318857004	18624506	37541487	89006474	161401229	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 3	BNB	Lin1	14408036 467041121	26916335	54562037	127567125	231710894	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 4	BNB	Lin1	18839271 614103833	34617892	68287953	165135495	302722737	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 5	BNB	Lin1	13098449 433664505	23880791	48499698	116407736	213049820	0.0500 2.00	0.100	0.200	0.500	1.00
Tetrachloro-m-xylene	BNB	Ave	9637726 342532473	17545829	35793386	89287420	163364891	0.00250 0.100	0.00500	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl	BNB	Ave	9022149 283581367	16273586	31942108	76723355	139054466	0.00250 0.100	0.00500	0.0100	0.0250	0.0500

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 242577

SDG No.:

Instrument ID: A2HP11 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2016 11:24 Calibration End Date: 08/15/2016 12:55 Calibration ID: 35676

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-242577/4	P110815004.D
Level 2	STD01 240-242577/5	P110815005.D
Level 3	STD02 240-242577/6	P110815006.D
Level 4	STD05 240-242577/7	P110815007.D
Level 5	STD1 240-242577/8	P110815008.D
Level 6	STD2 240-242577/9	P110815009.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1232 Peak 1	0.0240 0.0204	0.0227	0.0229	0.0223	0.0207	Lin1	0.0003	0.0206							0.9990		0.9900
PCB-1232 Peak 2	0.0186 0.0160	0.0180	0.0180	0.0174	0.0162	Lin1	0.0002	0.0161							0.9990		0.9900
PCB-1232 Peak 3	0.0368 0.0370	0.0364	0.0370	0.0373	0.0357	Lin1	0	0.0367							1.0000		0.9900
PCB-1232 Peak 4	0.0167 0.0154	0.0156	0.0160	0.0160	0.0152	Lin1	0.0001	0.0154							1.0000		0.9900
PCB-1232 Peak 5	0.0038 0.0062	0.0066	0.0069	0.0066	0.0061	Lin1	0	0.0063							0.9960		0.9900
PCB-1262 Peak 1	0.0458 0.0455	0.0453	0.0458	0.0458	0.0437	Lin1	0	0.0450							1.0000		0.9900
PCB-1262 Peak 2	0.0660 0.0697	0.0675	0.0683	0.0691	0.0665	Lin1	0	0.0688							1.0000		0.9900
PCB-1262 Peak 3	0.0613 0.0642	0.0614	0.0629	0.0638	0.0614	Lin1	0	0.0635							1.0000		0.9900
PCB-1262 Peak 4	0.1238 0.1421	0.1258	0.1312	0.1353	0.1330	Lin1	-0.001	0.1394							0.9990		0.9900
PCB-1262 Peak 5	0.0888 0.0973	0.0894	0.0928	0.0944	0.0920	Lin1	-0.001	0.0958							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 242577

SDG No.:

Instrument ID: A2HP11 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2016 11:24 Calibration End Date: 08/15/2016 12:55 Calibration ID: 35676

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-242577/4	P110815004.D
Level 2	STD01 240-242577/5	P110815005.D
Level 3	STD02 240-242577/6	P110815006.D
Level 4	STD05 240-242577/7	P110815007.D
Level 5	STD1 240-242577/8	P110815008.D
Level 6	STD2 240-242577/9	P110815009.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	BNB	Lin1	5561621 171808144	10353031	21110321	47445061	89413556	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 2	BNB	Lin1	4307359 135162449	8186149	16545903	36986582	69943598	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 3	BNB	Lin1	8526158 311434161	16581888	34050943	79086362	154655332	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 4	BNB	Lin1	3858254 130084351	7080596	14742843	34072783	65782956	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 5	BNB	Lin1	890464 52033011	3000864	6353393	14069696	26473512	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 1	BNB	Lin1	10593112 382920149	20606811	42222799	97163378	189160871	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 2	BNB	Lin1	15269482 586699315	30719408	62941161	146770206	287654959	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 3	BNB	Lin1	14178958 541059513	27949180	57914668	135360421	265428701	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 4	BNB	Lin1	28665527 1196764869	57280356	120878672	287155526	575236683	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 5	BNB	Lin1	20561287 819314226	40678241	85525543	200385473	398131958	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 242577

SDG No.:

Instrument ID: A2HP11 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2016 13:13 Calibration End Date: 08/15/2016 14:45 Calibration ID: 35682

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-242577/10	P110815010.D
Level 2	STD01 240-242577/11	P110815011.D
Level 3	STD02 240-242577/12	P110815012.D
Level 4	STD05 240-242577/13	P110815013.D
Level 5	STD1 240-242577/14	P110815014.D
Level 6	STD2 240-242577/15	P110815015.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1242 Peak 1	0.0178 0.0131	0.0175	0.0158	0.0144	0.0146	Lin1	0.0003	0.0135							0.9970		0.9900
PCB-1242 Peak 2	0.0328 0.0242	0.0324	0.0297	0.0270	0.0279	Lin1	0.0006	0.0252							0.9950		0.9900
PCB-1242 Peak 3	0.0698 0.0609	0.0695	0.0657	0.0633	0.0668	Lin1	0.0005	0.0625							0.9980		0.9900
PCB-1242 Peak 4	0.0302 0.0247	0.0282	0.0269	0.0261	0.0277	Lin1	0.0003	0.0255							0.9970		0.9900
PCB-1242 Peak 5	0.0376 0.0189	0.0252	0.0239	0.0207	0.0212	Lin1	0.0009	0.0191							0.9970		0.9900
PCB-1268 Peak 1	0.1586 0.1499	0.1571	0.1497	0.1460	0.1581	Lin1	0.0003	0.1514							0.9990		0.9900
PCB-1268 Peak 2	0.1550 0.1437	0.1554	0.1472	0.1417	0.1542	Lin1	0.0006	0.1460							0.9990		0.9900
PCB-1268 Peak 3	0.1281 0.1211	0.1281	0.1221	0.1189	0.1290	Lin1	0.0003	0.1227							0.9990		0.9900
PCB-1268 Peak 4	0.0550 0.0484	0.0538	0.0507	0.0483	0.0522	Lin1	0.0003	0.0492							0.9990		0.9900
PCB-1268 Peak 5	0.3860 0.4181	0.3941	0.3813	0.3823	0.4257	Lin1	-0.003	0.4171							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 242577

SDG No.:

Instrument ID: A2HP11 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2016 13:13 Calibration End Date: 08/15/2016 14:45 Calibration ID: 35682

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-242577/10	P110815010.D
Level 2	STD01 240-242577/11	P110815011.D
Level 3	STD02 240-242577/12	P110815012.D
Level 4	STD05 240-242577/13	P110815013.D
Level 5	STD1 240-242577/14	P110815014.D
Level 6	STD2 240-242577/15	P110815015.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	BNB	Lin1	3953775 123097571	7712169	14422513	34742692	60360657	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 2	BNB	Lin1	7277362 226828599	14238838	27110241	65219112	115395334	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 3	BNB	Lin1	15479919 571688796	30584006	59878799	152718741	276034199	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 4	BNB	Lin1	6692852 231993353	12382958	24530417	62962606	114404223	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 5	BNB	Lin1	8346884 177337351	11099697	21810215	49876881	87721129	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 1	BNB	Lin1	35192273 1406921291	69079625	136403017	352254000	653594314	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 2	BNB	Lin1	34398346 1348994476	68346344	134180290	341880933	637763409	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 3	BNB	Lin1	28421859 1136318341	56353774	111281624	286897697	533321986	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 4	BNB	Lin1	12209435 454121576	23649991	46255514	116451518	215826539	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 5	BNB	Lin1	85663919 3923796097	173315219	347510393	922054931	1760312736	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 242577

SDG No.:

Instrument ID: A2HP11 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2016 15:03 Calibration End Date: 08/15/2016 16:34 Calibration ID: 35688

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-242577/16	P110815016.D
Level 2	STD01 240-242577/17	P110815017.D
Level 3	STD02 240-242577/18	P110815018.D
Level 4	STD05 240-242577/19	P110815019.D
Level 5	STD1 240-242577/20	P110815020.D
Level 6	STD2 240-242577/21	P110815021.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1248 Peak 1	0.0175 0.0128	0.0158	0.0151	0.0145	0.0140	Lin1	0.0003	0.0132							0.9970		0.9900
PCB-1248 Peak 2	0.0460 0.0390	0.0426	0.0410	0.0409	0.0409	Lin1	0.0004	0.0395							0.9990		0.9900
PCB-1248 Peak 3	0.0467 0.0294	0.0392	0.0349	0.0325	0.0312	Lin1	0.0010	0.0295							0.9990		0.9900
PCB-1248 Peak 4	0.0447 0.0379	0.0407	0.0402	0.0398	0.0396	Lin1	0.0003	0.0384							1.0000		0.9900
PCB-1248 Peak 5	0.0231 0.0204	0.0229	0.0217	0.0217	0.0214	Lin1	0.0002	0.0207							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 242577

SDG No.:

Instrument ID: A2HP11 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2016 15:03 Calibration End Date: 08/15/2016 16:34 Calibration ID: 35688

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-242577/16	P110815016.D
Level 2	STD01 240-242577/17	P110815017.D
Level 3	STD02 240-242577/18	P110815018.D
Level 4	STD05 240-242577/19	P110815019.D
Level 5	STD1 240-242577/20	P110815020.D
Level 6	STD2 240-242577/21	P110815021.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	BNB	Lin1	4046521 124499841	7430582	13783394	34449584	63761876	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 2	BNB	Lin1	10647576 379371057	20010696	37431223	97265283	186247919	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 3	BNB	Lin1	10826357 285890138	18418316	31881891	77159696	142054175	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 4	BNB	Lin1	10348302 369194286	19110670	36699919	94567584	180151698	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 5	BNB	Lin1	5351530 198387806	10772320	19835791	51581940	97615955	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 242577

SDG No.:

Instrument ID: A2HP11 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2016 16:52 Calibration End Date: 08/15/2016 18:24 Calibration ID: 35694

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-242577/22	P110815022.D
Level 2	STD01 240-242577/23	P110815023.D
Level 3	STD02 240-242577/24	P110815024.D
Level 4	STD05 240-242577/25	P110815025.D
Level 5	STD1 240-242577/26	P110815026.D
Level 6	STD2 240-242577/27	P110815027.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1221 Peak 1	0.0111 0.0090	0.0103	0.0103	0.0094	0.0093	Lin1	0.0001	0.0091							0.9990		0.9900
PCB-1221 Peak 2	0.0074 0.0058	0.0070	0.0069	0.0063	0.0062	Lin1	0.0001	0.0059							0.9990		0.9900
PCB-1221 Peak 3	0.0290 0.0225	0.0272	0.0262	0.0241	0.0236	Lin1	0.0004	0.0227							0.9990		0.9900
PCB-1254 Peak 1	0.0416 0.0354	0.0384	0.0369	0.0346	0.0352	Lin1	0.0003	0.0350							1.0000		0.9900
PCB-1254 Peak 2	0.0480 0.0421	0.0449	0.0431	0.0413	0.0418	Lin1	0.0003	0.0417							1.0000		0.9900
PCB-1254 Peak 3	0.0698 0.0665	0.0708	0.0660	0.0644	0.0657	Lin1	0.0002	0.0658							1.0000		0.9900
PCB-1254 Peak 4	0.0500 0.0475	0.0494	0.0467	0.0460	0.0469	Lin1	0.0001	0.0470							1.0000		0.9900
PCB-1254 Peak 5	0.0686 0.0658	0.0670	0.0659	0.0629	0.0647	Lin1	0.0001	0.0650							1.0000		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 242577

SDG No.:

Instrument ID: A2HP11 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2016 16:52 Calibration End Date: 08/15/2016 18:24 Calibration ID: 35694

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-242577/22	P110815022.D
Level 2	STD01 240-242577/23	P110815023.D
Level 3	STD02 240-242577/24	P110815024.D
Level 4	STD05 240-242577/25	P110815025.D
Level 5	STD1 240-242577/26	P110815026.D
Level 6	STD2 240-242577/27	P110815027.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	BNB	Lin1	2607368 84053877	4856944	9648162	23188306	44696120	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 2	BNB	Lin1	1738720 54588536	3319159	6503853	15688485	29497722	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 3	BNB	Lin1	6817046 209954540	12814584	24663607	59557433	113241765	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 1	BNB	Lin1	9785236 330197715	18094468	34630996	85523379	168810752	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 2	BNB	Lin1	11306094 393428036	21152953	40502768	102104615	200342408	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 3	BNB	Lin1	16439352 621379768	33337433	62011893	159471040	314682092	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 4	BNB	Lin1	11764880 443220156	23259741	43854415	113788438	224779029	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 5	BNB	Lin1	16141567 614396494	31575516	61894512	155750315	309656072	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 242577

SDG No.:

Instrument ID: A2HP11 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2016 18:42 Calibration End Date: 08/15/2016 20:13 Calibration ID: 35700

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-242577/28	P110815028.D
Level 2	STD01 240-242577/29	P110815029.D
Level 3	STD02 240-242577/30	P110815030.D
Level 4	STD05 240-242577/31	P110815031.D
Level 5	STD1 240-242577/32	P110815032.D
Level 6	STD2 240-242577/33	P110815033.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0201 0.0155	0.0182	0.0173	0.0167	0.0172	Lin1	0.0002	0.0159							0.9980		0.9900
PCB-1016 Peak 2	0.0369 0.0288	0.0346	0.0323	0.0314	0.0319	Lin1	0.0005	0.0296							0.9980		0.9900
PCB-1016 Peak 3	0.0791 0.0739	0.0759	0.0738	0.0746	0.0791	Lin1	0.0001	0.0752							0.9990		0.9900
PCB-1016 Peak 4	0.0332 0.0297	0.0306	0.0295	0.0306	0.0307	Lin1	0.0001	0.0300							1.0000		0.9900
PCB-1016 Peak 5	0.0349 0.0226	0.0290	0.0247	0.0236	0.0244	Lin1	0.0006	0.0227							0.9990		0.9900
PCB-1260 Peak 1	0.0526 0.0467	0.0481	0.0464	0.0465	0.0493	Lin1	0.0002	0.0472							0.9990		0.9900
PCB-1260 Peak 2	0.0589 0.0540	0.0554	0.0535	0.0535	0.0570	Lin1	0.0001	0.0546							0.9990		0.9900
PCB-1260 Peak 3	0.0855 0.0813	0.0810	0.0787	0.0786	0.0842	Lin1	0	0.0816							0.9990		0.9900
PCB-1260 Peak 4	0.1032 0.1071	0.1008	0.0991	0.1015	0.1097	Lin1	-0.001	0.1074							0.9990		0.9900
PCB-1260 Peak 5	0.0749 0.0725	0.0710	0.0689	0.0701	0.0751	Lin1	0	0.0729							0.9990		0.9900
Tetrachloro-m-xylene	1.1096 1.0369	1.0632	1.0143	1.0570	1.1610	Ave		1.0737				5.0		20.0			
DCB Decachlorobiphenyl	0.9744 0.8557	0.8959	0.8265	0.8328	0.8822	Ave		0.8779				6.2		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 242577

SDG No.:

Instrument ID: A2HP11 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 08/15/2016 18:42 Calibration End Date: 08/15/2016 20:13 Calibration ID: 35700

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-242577/28	P110815028.D
Level 2	STD01 240-242577/29	P110815029.D
Level 3	STD02 240-242577/30	P110815030.D
Level 4	STD05 240-242577/31	P110815031.D
Level 5	STD1 240-242577/32	P110815032.D
Level 6	STD2 240-242577/33	P110815033.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Lin1	4897940 149924788	9109758	17398641	41418904	81635505	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 2	BNB	Lin1	8979069 278617460	17308605	32510610	77783826	151715443	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 3	BNB	Lin1	19263737 715248921	37935062	74282227	184989733	375723969	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 4	BNB	Lin1	8085982 287896228	15324694	29686349	75935907	145623364	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 5	BNB	Lin1	8506948 218665095	14522363	24904158	58654526	115901406	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 1	BNB	Lin1	12796996 452050662	24026732	46755236	115415967	234133285	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 2	BNB	Lin1	14340523 522920922	27715864	53840078	132729697	270943551	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 3	BNB	Lin1	20823313 786759987	40495297	79282728	194924603	399974116	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 4	BNB	Lin1	25123996 1037280121	50400409	99798434	251707063	521109101	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 5	BNB	Lin1	18232214 702017933	35518571	69393888	173756002	356847892	0.0500 2.00	0.100	0.200	0.500	1.00
Tetrachloro-m-xylene	BNB	Ave	13506140 501993503	26580024	51074636	131089106	275700867	0.00250 0.100	0.00500	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl	BNB	Ave	11860936 414239934	22396965	41616370	103280317	209503307	0.00250 0.100	0.00500	0.0100	0.0250	0.0500

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245359

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2016 12:05 Calibration End Date: 09/05/2016 13:33 Calibration ID: 35885

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-245359/4	P120905004.D
Level 2	STD01 240-245359/5	P120905005.D
Level 3	STD02 240-245359/6	P120905006.D
Level 4	STD05 240-245359/7	P120905007.D
Level 5	STD1 240-245359/8	P120905008.D
Level 6	STD2 240-245359/9	P120905009.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1232 Peak 1	0.0184 0.0187	0.0197	0.0199	0.0193	0.0187	Lin1	0.0001	0.0188							1.0000		0.9900
PCB-1232 Peak 2	0.0155 0.0149	0.0152	0.0154	0.0152	0.0148	Lin1	0	0.0149							1.0000		0.9900
PCB-1232 Peak 3	0.0324 0.0357	0.0322	0.0334	0.0342	0.0344	Lin1	0	0.0353							1.0000		0.9900
PCB-1232 Peak 4	0.0136 0.0138	0.0130	0.0133	0.0133	0.0133	Lin1	0	0.0136							1.0000		0.9900
PCB-1232 Peak 5	0.0128 0.0125	0.0120	0.0120	0.0120	0.0118	Lin1	0	0.0122							0.9990		0.9900
PCB-1262 Peak 1	0.0526 0.0554	0.0522	0.0538	0.0536	0.0544	Lin1	0	0.0551							1.0000		0.9900
PCB-1262 Peak 2	0.0602 0.0678	0.0620	0.0624	0.0632	0.0640	Lin1	0	0.0665							0.9990		0.9900
PCB-1262 Peak 3	0.0590 0.0626	0.0585	0.0609	0.0611	0.0615	Lin1	0	0.0623							1.0000		0.9900
PCB-1262 Peak 4	0.1239 0.1421	0.1240	0.1296	0.1323	0.1361	Lin1	-0.001	0.1400							0.9990		0.9900
PCB-1262 Peak 5	0.0488 0.0543	0.0470	0.0490	0.0489	0.0512	Lin1	0	0.0530							0.9980		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245359

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2016 12:05 Calibration End Date: 09/05/2016 13:33 Calibration ID: 35885

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-245359/4	P120905004.D
Level 2	STD01 240-245359/5	P120905005.D
Level 3	STD02 240-245359/6	P120905006.D
Level 4	STD05 240-245359/7	P120905007.D
Level 5	STD1 240-245359/8	P120905008.D
Level 6	STD2 240-245359/9	P120905009.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	BNB	Lin1	5079946 203723260	11113829	22173097	52595760	100135196	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 2	BNB	Lin1	4269468 162128630	8577452	17156231	41373159	79322259	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 3	BNB	Lin1	8949794 389166434	18124443	37205270	93318762	184704524	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 4	BNB	Lin1	3753511 150685289	7336388	14779615	36282805	71144803	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 5	BNB	Lin1	3531645 135891282	6736538	13354618	32634394	63224162	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 1	BNB	Lin1	14533203 604236684	29383982	60003032	146275190	291852114	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 2	BNB	Lin1	16635090 739438484	34889405	69560916	172454982	343097875	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 3	BNB	Lin1	16298953 682901931	32965118	67908145	166642849	329655946	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 4	BNB	Lin1	34203796 1549288517	69859502	144516312	360987186	729843653	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 5	BNB	Lin1	13480880 592184243	26488310	54654528	133505664	274763905	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245359

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2016 12:05 Calibration End Date: 09/05/2016 13:33 Calibration ID: 35886

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-245359/4	P120905004.D
Level 2	STD01 240-245359/5	P120905005.D
Level 3	STD02 240-245359/6	P120905006.D
Level 4	STD05 240-245359/7	P120905007.D
Level 5	STD1 240-245359/8	P120905008.D
Level 6	STD2 240-245359/9	P120905009.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1232 Peak 1	0.0247 0.0194	0.0242	0.0239	0.0223	0.0202	Lin1	0.0004	0.0197							0.9970		0.9900
PCB-1232 Peak 2	0.0218 0.0169	0.0215	0.0206	0.0191	0.0177	Lin1	0.0004	0.0172							0.9980		0.9900
PCB-1232 Peak 3	0.0418 0.0358	0.0411	0.0407	0.0387	0.0368	Lin1	0.0005	0.0362							0.9990		0.9900
PCB-1232 Peak 4	0.0170 0.0146	0.0165	0.0172	0.0162	0.0152	Lin1	0.0002	0.0149							0.9980		0.9900
PCB-1232 Peak 5	0.0183 0.0105	0.0172	0.0144	0.0122	0.0109	Lin1	0.0005	0.0105							0.9960		0.9900
PCB-1262 Peak 1	0.0519 0.0423	0.0490	0.0478	0.0456	0.0436	Lin1	0.0006	0.0427							0.9990		0.9900
PCB-1262 Peak 2	0.0707 0.0607	0.0680	0.0669	0.0646	0.0623	Lin1	0.0007	0.0612							0.9990		0.9900
PCB-1262 Peak 3	0.0651 0.0533	0.0609	0.0602	0.0577	0.0553	Lin1	0.0007	0.0540							0.9990		0.9900
PCB-1262 Peak 4	0.1287 0.1108	0.1213	0.1220	0.1186	0.1143	Lin1	0.0011	0.1121							0.9990		0.9900
PCB-1262 Peak 5	0.0938 0.0789	0.0861	0.0858	0.0831	0.0804	Lin1	0.0008	0.0792							1.0000		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245359

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2016 12:05 Calibration End Date: 09/05/2016 13:33 Calibration ID: 35886

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-245359/4	P120905004.D
Level 2	STD01 240-245359/5	P120905005.D
Level 3	STD02 240-245359/6	P120905006.D
Level 4	STD05 240-245359/7	P120905007.D
Level 5	STD1 240-245359/8	P120905008.D
Level 6	STD2 240-245359/9	P120905009.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	BNB	Lin1	1746557 56932631	3486619	6855838	15751176	28617356	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 2	BNB	Lin1	1545056 49648156	3104659	5928473	13508116	25152592	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 3	BNB	Lin1	2955491 105183191	5925866	11688102	27339537	52259522	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 4	BNB	Lin1	1199104 42905667	2382627	4948449	11409370	21570898	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 5	BNB	Lin1	1297423 30811295	2476333	4143534	8604463	15480105	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 1	BNB	Lin1	3673174 124402133	7068179	13736305	32179981	61945961	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 2	BNB	Lin1	4998149 178305739	9800806	19216447	45612322	88492150	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 3	BNB	Lin1	4602918 156675762	8780544	17317954	40765498	78498174	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 4	BNB	Lin1	9103504 325582238	17494498	35056925	83700160	162299348	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 5	BNB	Lin1	6630975 231653646	12410158	24668649	58655803	114195567	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245359

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2016 13:51 Calibration End Date: 09/05/2016 15:19 Calibration ID: 35891

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-245359/10	P120905010.D
Level 2	STD01 240-245359/11	P120905011.D
Level 3	STD02 240-245359/12	P120905012.D
Level 4	STD05 240-245359/13	P120905013.D
Level 5	STD1 240-245359/14	P120905014.D
Level 6	STD2 240-245359/15	P120905015.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1242 Peak 1	0.0132 0.0126	0.0139	0.0131	0.0133	0.0129	Lin1	0.0001	0.0128							1.0000		0.9900
PCB-1242 Peak 2	0.0294 0.0256	0.0281	0.0268	0.0270	0.0268	Lin1	0.0002	0.0259							0.9990		0.9900
PCB-1242 Peak 3	0.0631 0.0624	0.0619	0.0589	0.0631	0.0648	Lin1	0	0.0631							0.9990		0.9900
PCB-1242 Peak 4	0.0261 0.0244	0.0252	0.0210	0.0248	0.0253	Lin1	0	0.0246							0.9980		0.9900
PCB-1242 Peak 5	0.0261 0.0246	0.0241	0.0235	0.0251	0.0256	Lin1	0	0.0249							0.9990		0.9900
PCB-1268 Peak 1	0.1655 0.1553	0.1626	0.1611	0.1645	0.1740	Lin1	0.0004	0.1614							0.9970		0.9900
PCB-1268 Peak 2	0.1527 0.1445	0.1494	0.1504	0.1522	0.1585	Lin1	0.0003	0.1491							0.9980		0.9900
PCB-1268 Peak 3	0.1305 0.1243	0.1286	0.1290	0.1318	0.1389	Lin1	0.0002	0.1292							0.9970		0.9900
PCB-1268 Peak 4	0.0582 0.0510	0.0550	0.0538	0.0540	0.0569	Lin1	0.0003	0.0528							0.9970		0.9900
PCB-1268 Peak 5	0.4257 0.4447	0.4204	0.4210	0.4333	0.4635	Lin1	-0.002	0.4496							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245359

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2016 13:51 Calibration End Date: 09/05/2016 15:19 Calibration ID: 35891

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-245359/10	P120905010.D
Level 2	STD01 240-245359/11	P120905011.D
Level 3	STD02 240-245359/12	P120905012.D
Level 4	STD05 240-245359/13	P120905013.D
Level 5	STD1 240-245359/14	P120905014.D
Level 6	STD2 240-245359/15	P120905015.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	BNB	Lin1	3512321 135269173	7646326	14590909	38003806	67500658	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 2	BNB	Lin1	7843454 273459685	15484703	29729011	77180667	139850392	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 3	BNB	Lin1	16842385 667479765	34162272	65342365	180404940	338513958	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 4	BNB	Lin1	6952789 261248864	13905327	23308644	70885663	132057529	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 5	BNB	Lin1	6968124 263532499	13309139	26098534	71681641	133769246	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 1	BNB	Lin1	44166358 1661389021	89737946	178740786	470519022	908865227	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 2	BNB	Lin1	40736462 1545735466	82492103	166862153	435123493	827562624	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 3	BNB	Lin1	34829418 1329657838	70994203	143128315	376804310	725225902	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 4	BNB	Lin1	15535731 546014550	30346900	59737445	154351279	297123835	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 5	BNB	Lin1	113587350 4758261188	232074946	467196323	1238990647	2420360621	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245359

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2016 13:51 Calibration End Date: 09/05/2016 15:19 Calibration ID: 35892

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-245359/10	P120905010.D
Level 2	STD01 240-245359/11	P120905011.D
Level 3	STD02 240-245359/12	P120905012.D
Level 4	STD05 240-245359/13	P120905013.D
Level 5	STD1 240-245359/14	P120905014.D
Level 6	STD2 240-245359/15	P120905015.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1242 Peak 1	0.0168 0.0139	0.0162	0.0151	0.0145	0.0139	Lin1	0.0002	0.0138							1.0000		0.9900
PCB-1242 Peak 2	0.0364 0.0286	0.0344	0.0316	0.0303	0.0291	Lin1	0.0005	0.0286							1.0000		0.9900
PCB-1242 Peak 3	0.0749 0.0640	0.0711	0.0670	0.0662	0.0651	Lin1	0.0006	0.0641							1.0000		0.9900
PCB-1242 Peak 4	0.0309 0.0249	0.0278	0.0262	0.0258	0.0264	Lin1	0.0003	0.0252							0.9990		0.9900
PCB-1242 Peak 5	0.0315 0.0208	0.0289	0.0234	0.0218	0.0209	Lin1	0.0006	0.0204							0.9990		0.9900
PCB-1268 Peak 1	0.1506 0.1222	0.1425	0.1356	0.1327	0.1321	Lin1	0.0017	0.1251							0.9980		0.9900
PCB-1268 Peak 2	0.1408 0.1162	0.1332	0.1263	0.1247	0.1244	Lin1	0.0014	0.1185							0.9990		0.9900
PCB-1268 Peak 3	0.1192 0.1003	0.1142	0.1092	0.1082	0.1080	Lin1	0.0011	0.1027							0.9990		0.9900
PCB-1268 Peak 4	0.0533 0.0428	0.0494	0.0466	0.0455	0.0472	Lin1	0.0005	0.0439							0.9980		0.9900
PCB-1268 Peak 5	0.3536 0.3045	0.3427	0.3288	0.3245	0.3329	Lin1	0.0028	0.3129							0.9980		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245359

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2016 13:51 Calibration End Date: 09/05/2016 15:19 Calibration ID: 35892

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-245359/10	P120905010.D
Level 2	STD01 240-245359/11	P120905011.D
Level 3	STD02 240-245359/12	P120905012.D
Level 4	STD05 240-245359/13	P120905013.D
Level 5	STD1 240-245359/14	P120905014.D
Level 6	STD2 240-245359/15	P120905015.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	BNB	Lin1	1234417 44949216	2467246	4688788	11584207	20718224	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 2	BNB	Lin1	2667138 92507502	5221102	9829836	24184524	43204754	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 3	BNB	Lin1	5497476 207228145	10802668	20831973	52809101	96624457	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 4	BNB	Lin1	2265960 80695684	4218932	8160485	20597734	39207769	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 5	BNB	Lin1	2312700 67337644	4394054	7293145	17406856	31092801	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 1	BNB	Lin1	11046948 395998568	21648876	42171660	105861553	196183689	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 2	BNB	Lin1	10331934 376497390	20233682	39289737	99472741	184810614	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 3	BNB	Lin1	8744745 325073677	17340712	33982230	86268816	160431023	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 4	BNB	Lin1	3910712 138613835	7497562	14483110	36284315	70151425	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 5	BNB	Lin1	25943503 986522800	52064371	102266565	258788236	494405348	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245359

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2016 15:37 Calibration End Date: 09/05/2016 17:05 Calibration ID: 35897

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-245359/16	P120905016.D
Level 2	STD01 240-245359/17	P120905017.D
Level 3	STD02 240-245359/18	P120905018.D
Level 4	STD05 240-245359/19	P120905019.D
Level 5	STD1 240-245359/20	P120905020.D
Level 6	STD2 240-245359/21	P120905021.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1248 Peak 1	0.0150 0.0131	0.0139	0.0145	0.0135	0.0139	Lin1	0.0001	0.0133							0.9990		0.9900
PCB-1248 Peak 2	0.0410 0.0379	0.0381	0.0384	0.0374	0.0387	Lin1	0.0001	0.0380							1.0000		0.9900
PCB-1248 Peak 3	0.0394 0.0398	0.0375	0.0393	0.0375	0.0397	Lin1	0	0.0395							1.0000		0.9900
PCB-1248 Peak 4	0.0308 0.0300	0.0288	0.0298	0.0295	0.0303	Lin1	0	0.0300							1.0000		0.9900
PCB-1248 Peak 5	0.0199 0.0192	0.0187	0.0192	0.0187	0.0194	Lin1	0	0.0192							1.0000		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245359

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2016 15:37 Calibration End Date: 09/05/2016 17:05 Calibration ID: 35897

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-245359/16	P120905016.D
Level 2	STD01 240-245359/17	P120905017.D
Level 3	STD02 240-245359/18	P120905018.D
Level 4	STD05 240-245359/19	P120905019.D
Level 5	STD1 240-245359/20	P120905020.D
Level 6	STD2 240-245359/21	P120905021.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	BNB	Lin1	3779109 140699105	7569420	15073749	35431235	72372487	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 2	BNB	Lin1	10331821 406120977	20718518	39790342	98436625	200928678	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 3	BNB	Lin1	9921396 425651357	20361734	40714694	98680478	205863137	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 4	BNB	Lin1	7757888 321309509	15634848	30911747	77460035	157366455	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 5	BNB	Lin1	5020368 205911658	10179751	19944963	49253332	100474417	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245359

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2016 15:37 Calibration End Date: 09/05/2016 17:05 Calibration ID: 35898

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-245359/16	P120905016.D
Level 2	STD01 240-245359/17	P120905017.D
Level 3	STD02 240-245359/18	P120905018.D
Level 4	STD05 240-245359/19	P120905019.D
Level 5	STD1 240-245359/20	P120905020.D
Level 6	STD2 240-245359/21	P120905021.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1248 Peak 1	0.0233 0.0164	0.0216	0.0219	0.0190	0.0178	Lin1	0.0005	0.0169							0.9960		0.9900
PCB-1248 Peak 2	0.0577 0.0454	0.0542	0.0543	0.0495	0.0479	Lin1	0.0008	0.0461							0.9980		0.9900
PCB-1248 Peak 3	0.0548 0.0345	0.0454	0.0445	0.0391	0.0369	Lin1	0.0012	0.0350							0.9980		0.9900
PCB-1248 Peak 4	0.0561 0.0434	0.0527	0.0529	0.0478	0.0458	Lin1	0.0009	0.0441							0.9980		0.9900
PCB-1248 Peak 5	0.0298 0.0231	0.0278	0.0278	0.0252	0.0241	Lin1	0.0005	0.0234							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245359

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2016 15:37 Calibration End Date: 09/05/2016 17:05 Calibration ID: 35898

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-245359/16	P120905016.D
Level 2	STD01 240-245359/17	P120905017.D
Level 3	STD02 240-245359/18	P120905018.D
Level 4	STD05 240-245359/19	P120905019.D
Level 5	STD1 240-245359/20	P120905020.D
Level 6	STD2 240-245359/21	P120905021.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	BNB	Lin1	1553879 44467420	2956585	5586881	12377946	23256850	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 2	BNB	Lin1	3854179 122684412	7408946	13835301	32287247	62568892	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 3	BNB	Lin1	3660292 93400356	6200319	11319992	25458935	48134773	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 4	BNB	Lin1	3744767 117423873	7198786	13478589	31167140	59759553	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 5	BNB	Lin1	1991945 62439662	3801836	7070198	16438838	31485434	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245359

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2016 17:23 Calibration End Date: 09/05/2016 18:51 Calibration ID: 35903

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-245359/22	P120905022.D
Level 2	STD01 240-245359/23	P120905023.D
Level 3	STD02 240-245359/24	P120905024.D
Level 4	STD05 240-245359/25	P120905025.D
Level 5	STD1 240-245359/26	P120905026.D
Level 6	STD2 240-245359/27	P120905027.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1221 Peak 1	0.0099 0.0086	0.0093	0.0090	0.0090	0.0085	Lin1	0.0001	0.0086							1.0000		0.9900
PCB-1221 Peak 2	0.0072 0.0057	0.0064	0.0061	0.0059	0.0056	Lin1	0.0001	0.0056							1.0000		0.9900
PCB-1221 Peak 3	0.0267 0.0218	0.0238	0.0237	0.0232	0.0219	Lin1	0.0003	0.0218							1.0000		0.9900
PCB-1254 Peak 1	0.0365 0.0329	0.0327	0.0331	0.0335	0.0318	Lin1	0.0001	0.0325							1.0000		0.9900
PCB-1254 Peak 2	0.0520 0.0471	0.0467	0.0473	0.0480	0.0456	Lin1	0.0002	0.0466							1.0000		0.9900
PCB-1254 Peak 3	0.0717 0.0673	0.0647	0.0665	0.0683	0.0649	Lin1	0.0001	0.0666							0.9990		0.9900
PCB-1254 Peak 4	0.0525 0.0503	0.0479	0.0491	0.0506	0.0482	Lin1	0	0.0497							0.9990		0.9900
PCB-1254 Peak 5	0.0742 0.0679	0.0663	0.0670	0.0688	0.0653	Lin1	0.0002	0.0670							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245359

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2016 17:23 Calibration End Date: 09/05/2016 18:51 Calibration ID: 35903

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-245359/22	P120905022.D
Level 2	STD01 240-245359/23	P120905023.D
Level 3	STD02 240-245359/24	P120905024.D
Level 4	STD05 240-245359/25	P120905025.D
Level 5	STD1 240-245359/26	P120905026.D
Level 6	STD2 240-245359/27	P120905027.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	BNB	Lin1	2273596 93314522	4807113	9030131	22313120	47058844	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 2	BNB	Lin1	1648460 61145910	3318719	6114819	14725574	30684440	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 3	BNB	Lin1	6117790 235001964	12340593	23617805	57395659	120815545	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 1	BNB	Lin1	8351133 355020781	16968235	33025756	83040997	175245212	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 2	BNB	Lin1	11902640 508762916	24231630	47250237	119082408	250779759	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 3	BNB	Lin1	16423420 726645331	33603442	66406648	169306770	357303926	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 4	BNB	Lin1	12023783 543027701	24903295	49043508	125518121	265303846	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 5	BNB	Lin1	16995449 732917668	34420581	66906283	170490548	359201370	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245359

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2016 17:23 Calibration End Date: 09/05/2016 18:51 Calibration ID: 35904

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-245359/22	P120905022.D
Level 2	STD01 240-245359/23	P120905023.D
Level 3	STD02 240-245359/24	P120905024.D
Level 4	STD05 240-245359/25	P120905025.D
Level 5	STD1 240-245359/26	P120905026.D
Level 6	STD2 240-245359/27	P120905027.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1221 Peak 1	0.0161 0.0104	0.0140	0.0128	0.0117	0.0105	Lin1	0.0003	0.0104							0.9980		0.9900
PCB-1221 Peak 2	0.0101 0.0067	0.0089	0.0083	0.0076	0.0069	Lin1	0.0002	0.0067							0.9980		0.9900
PCB-1221 Peak 3	0.0362 0.0248	0.0321	0.0301	0.0280	0.0254	Lin1	0.0007	0.0249							0.9980		0.9900
PCB-1254 Peak 1	0.0572 0.0398	0.0498	0.0469	0.0441	0.0397	Lin1	0.0010	0.0395							0.9990		0.9900
PCB-1254 Peak 2	0.0662 0.0460	0.0565	0.0537	0.0508	0.0457	Lin1	0.0012	0.0457							0.9990		0.9900
PCB-1254 Peak 3	0.0894 0.0659	0.0779	0.0756	0.0727	0.0656	Lin1	0.0014	0.0657							0.9990		0.9900
PCB-1254 Peak 4	0.0638 0.0481	0.0562	0.0541	0.0520	0.0474	Lin1	0.0009	0.0477							0.9990		0.9900
PCB-1254 Peak 5	0.0915 0.0656	0.0780	0.0750	0.0715	0.0630	Lin1	0.0015	0.0645							0.9980		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton | Job No.: 240-69767-1 | Analy Batch No.: 245359

SDG No.:

Instrument ID: A2HP12 | GC Column: CLP-2 (0.53 ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2016 17:23 | Calibration End Date: 09/05/2016 18:51 | Calibration ID: 35904

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-245359/22	P120905022.D
Level 2	STD01 240-245359/23	P120905023.D
Level 3	STD02 240-245359/24	P120905024.D
Level 4	STD05 240-245359/25	P120905025.D
Level 5	STD1 240-245359/26	P120905026.D
Level 6	STD2 240-245359/27	P120905027.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	BNB	Lin1	961878 28987061	1869317	3300104	7584636	15175356	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 2	BNB	Lin1	605785 18585218	1190131	2151011	4937025	9857581	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 3	BNB	Lin1	2164121 69172862	4291358	7775457	18074796	36586532	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 1	BNB	Lin1	3414662 110985191	6643362	12109762	28456825	57100088	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 2	BNB	Lin1	3952775 128292022	7545901	13852333	32792982	65747499	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 3	BNB	Lin1	5340973 183899423	10405268	19501245	46961603	94301055	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 4	BNB	Lin1	3811437 134172991	7500758	13957664	33577658	68244281	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 5	BNB	Lin1	5463989 182894433	10412979	19346628	46163165	90594372	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245359

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2016 19:08 Calibration End Date: 09/05/2016 20:36 Calibration ID: 35909

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-245359/28	P120905028.D
Level 2	STD01 240-245359/29	P120905029.D
Level 3	STD02 240-245359/30	P120905030.D
Level 4	STD05 240-245359/31	P120905031.D
Level 5	STD1 240-245359/32	P120905032.D
Level 6	STD2 240-245359/33	P120905033.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0176 0.0160	0.0168	0.0159	0.0153	0.0157	Lin1	0.0001	0.0157							1.0000		0.9900
PCB-1016 Peak 2	0.0343 0.0319	0.0336	0.0313	0.0328	0.0322	Lin1	0.0001	0.0320							1.0000		0.9900
PCB-1016 Peak 3	0.0728 0.0805	0.0735	0.0731	0.0776	0.0785	Lin1	-0.001	0.0799							1.0000		0.9900
PCB-1016 Peak 4	0.0302 0.0312	0.0299	0.0288	0.0306	0.0306	Lin1	0	0.0310							1.0000		0.9900
PCB-1016 Peak 5	0.0292 0.0312	0.0301	0.0282	0.0299	0.0304	Lin1	0	0.0309							0.9990		0.9900
PCB-1260 Peak 1	0.0467 0.0500	0.0461	0.0452	0.0467	0.0478	Lin1	0	0.0491							0.9990		0.9900
PCB-1260 Peak 2	0.0767 0.0931	0.0867	0.0737	0.0875	0.0790	Lin1	-0.001	0.0888							0.9930		0.9900
PCB-1260 Peak 3	0.0849 0.0907	0.0825	0.0800	0.0844	0.0867	Lin1	-0.001	0.0890							0.9990		0.9900
PCB-1260 Peak 4	0.1009 0.1134	0.1013	0.0983	0.1048	0.1077	Lin1	-0.001	0.1112							0.9990		0.9900
PCB-1260 Peak 5	0.0532 0.0592	0.0525	0.0515	0.0540	0.0563	Lin1	-0.001	0.0580							0.9990		0.9900
Tetrachloro-m-xylene	1.0054 1.0742	1.0206	0.9923	1.0571	1.0606	Ave		1.0350				3.2		20.0			
DCB Decachlorobiphenyl	1.0238 0.9275	0.9388	0.8604	0.8627	0.8939	Ave		0.9178				6.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245359

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2016 19:08 Calibration End Date: 09/05/2016 20:36 Calibration ID: 35909

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-245359/28	P120905028.D
Level 2	STD01 240-245359/29	P120905029.D
Level 3	STD02 240-245359/30	P120905030.D
Level 4	STD05 240-245359/31	P120905031.D
Level 5	STD1 240-245359/32	P120905032.D
Level 6	STD2 240-245359/33	P120905033.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Lin1	4793747 155945716	8898656	17706858	43310200	83080231	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 2	BNB	Lin1	9327169 311972812	17785703	34814369	92684580	170246592	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 3	BNB	Lin1	19827989 787439844	38879411	81326560	219204456	415302781	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 4	BNB	Lin1	8212577 305380872	15833893	32024316	86308115	161804415	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 5	BNB	Lin1	7943391 304691410	15931314	31415074	84486140	160981600	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 1	BNB	Lin1	12712649 489165075	24390610	50268731	131819123	252677795	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 2	BNB	Lin1	20899453 909747317	45857648	81983170	247025266	417863475	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 3	BNB	Lin1	23121955 886500106	43655156	88988445	238266723	458442261	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 4	BNB	Lin1	27480092 1108332685	53586549	109390364	295806838	569778350	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 5	BNB	Lin1	14474817 579033915	27790200	57300170	152616504	297550934	0.0500 2.00	0.100	0.200	0.500	1.00
Tetrachloro-m-xylene	BNB	Ave	13689611 525116777	27002072	55207671	149238573	280415451	0.00250 0.100	0.00500	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl	BNB	Ave	13939009 453375621	24838351	47868191	121792846	236341819	0.00250 0.100	0.00500	0.0100	0.0250	0.0500

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245359

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2016 19:08 Calibration End Date: 09/05/2016 20:36 Calibration ID: 35910

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-245359/28	P120905028.D
Level 2	STD01 240-245359/29	P120905029.D
Level 3	STD02 240-245359/30	P120905030.D
Level 4	STD05 240-245359/31	P120905031.D
Level 5	STD1 240-245359/32	P120905032.D
Level 6	STD2 240-245359/33	P120905033.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0227 0.0174	0.0217	0.0203	0.0191	0.0180	Lin1	0.0004	0.0176							0.9990		0.9900
PCB-1016 Peak 2	0.0480 0.0360	0.0455	0.0418	0.0395	0.0374	Lin1	0.0008	0.0363							0.9990		0.9900
PCB-1016 Peak 3	0.0967 0.0830	0.0929	0.0878	0.0867	0.0839	Lin1	0.0008	0.0831							1.0000		0.9900
PCB-1016 Peak 4	0.0396 0.0340	0.0394	0.0343	0.0340	0.0328	Lin1	0.0004	0.0334							0.9990		0.9900
PCB-1016 Peak 5	0.0421 0.0263	0.0333	0.0303	0.0278	0.0273	Lin1	0.0008	0.0261							1.0000		0.9900
PCB-1260 Peak 1	0.0630 0.0524	0.0586	0.0552	0.0534	0.0522	Lin1	0.0006	0.0520							1.0000		0.9900
PCB-1260 Peak 2	0.0699 0.0595	0.0664	0.0624	0.0610	0.0597	Lin1	0.0006	0.0593							1.0000		0.9900
PCB-1260 Peak 3	0.0999 0.0848	0.0936	0.0883	0.0864	0.0851	Lin1	0.0008	0.0844							1.0000		0.9900
PCB-1260 Peak 4	0.1134 0.1003	0.1074	0.1028	0.1021	0.1008	Lin1	0.0007	0.1001							1.0000		0.9900
PCB-1260 Peak 5	0.0813 0.0702	0.0765	0.0720	0.0708	0.0703	Lin1	0.0006	0.0698							1.0000		0.9900
Tetrachloro-m-xylene	1.2742 1.1313	1.2277	1.1468	1.1583	1.1311	Ave		1.1782				5.0		20.0			
DCB Decachlorobiphenyl	1.1154 0.8587	0.9870	0.8805	0.8653	0.8460	Ave		0.9255				11.5		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245359

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2016 19:08 Calibration End Date: 09/05/2016 20:36 Calibration ID: 35910

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-245359/28	P120905028.D
Level 2	STD01 240-245359/29	P120905029.D
Level 3	STD02 240-245359/30	P120905030.D
Level 4	STD05 240-245359/31	P120905031.D
Level 5	STD1 240-245359/32	P120905032.D
Level 6	STD2 240-245359/33	P120905033.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Lin1	1613420 44619686	3004719	5832968	13982381	24965352	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 2	BNB	Lin1	3407868 92291038	6293682	12024616	28959014	51745485	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 3	BNB	Lin1	6874596 212764930	12838406	25225796	63567966	116173018	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 4	BNB	Lin1	2812347 87148361	5453122	9849892	24951281	45457396	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 5	BNB	Lin1	2990744 67444787	4607401	8697790	20386820	37799674	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 1	BNB	Lin1	4475998 134279881	8098370	15870476	39118810	72260480	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 2	BNB	Lin1	4967549 152462019	9173010	17937678	44704623	82690037	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 3	BNB	Lin1	7102920 217269390	12934842	25359192	63328347	117853892	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 4	BNB	Lin1	8061362 256975954	14849538	29539754	74854995	139636703	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 5	BNB	Lin1	5777421 179952055	10571854	20688413	51926081	97431956	0.0500 2.00	0.100	0.200	0.500	1.00
Tetrachloro-m-xylene	BNB	Ave	4527615 144926718	8485993	16476195	42450019	78344974	0.00250 0.100	0.00500	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl	BNB	Ave	3963575 110011255	6822390	12651153	31714037	58601792	0.00250 0.100	0.00500	0.0100	0.0250	0.0500

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248056

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2016 15:34 Calibration End Date: 09/22/2016 17:08 Calibration ID: 36143

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-248056/4	SIG10004.D
Level 2	STD01 240-248056/5	SIG10005.D
Level 3	STD02 240-248056/6	SIG10006.D
Level 4	STD05 240-248056/7	SIG10007.D
Level 5	STD1 240-248056/8	SIG10008.D
Level 6	STD2 240-248056/9	SIG10009.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1232 Peak 1	0.0263 0.0206	0.0262	0.0260	0.0240	0.0214	Lin1	0.0005	0.0210							0.9960		0.9900
PCB-1232 Peak 2	0.0202 0.0161	0.0214	0.0203	0.0187	0.0169	Lin1	0.0004	0.0165							0.9960		0.9900
PCB-1232 Peak 3	0.0436 0.0364	0.0422	0.0412	0.0391	0.0361	Lin1	0.0005	0.0364							0.9990		0.9900
PCB-1232 Peak 4	0.0177 0.0151	0.0172	0.0169	0.0163	0.0152	Lin1	0.0002	0.0152							0.9990		0.9900
PCB-1232 Peak 5	0.0075 0.0061	0.0072	0.0079	0.0065	0.0064	Lin1	0.0001	0.0062							0.9970		0.9900
PCB-1262 Peak 1	0.0617 0.0575	0.0667	0.0621	0.0581	0.0560	Lin1	0.0005	0.0569							0.9990		0.9900
PCB-1262 Peak 2	0.0902 0.0848	0.0945	0.0896	0.0853	0.0815	Lin1	0.0006	0.0836							0.9990		0.9900
PCB-1262 Peak 3	0.0642 0.0619	0.0692	0.0665	0.0625	0.0608	Lin1	0.0004	0.0615							0.9990		0.9900
PCB-1262 Peak 4	0.1548 0.1473	0.1513	0.1460	0.1428	0.1389	Lin1	0.0004	0.1440							0.9990		0.9900
PCB-1262 Peak 5	0.0591 0.0576	0.0646	0.0608	0.0581	0.0545	Lin1	0.0004	0.0566							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248056

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2016 15:34 Calibration End Date: 09/22/2016 17:08 Calibration ID: 36143

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-248056/4	SIG10004.D
Level 2	STD01 240-248056/5	SIG10005.D
Level 3	STD02 240-248056/6	SIG10006.D
Level 4	STD05 240-248056/7	SIG10007.D
Level 5	STD1 240-248056/8	SIG10008.D
Level 6	STD2 240-248056/9	SIG10009.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	BNB	Lin1	6011278 207836220	12044438	24624095	55646409	104504192	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 2	BNB	Lin1	4617248 162395718	9833555	19266462	43275968	82803681	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 3	BNB	Lin1	9969217 367269188	19397553	39125253	90683829	176880584	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 4	BNB	Lin1	4042283 152344771	7910296	16053800	37728008	74324488	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 5	BNB	Lin1	1714818 61086706	3321511	7476565	15053179	31168081	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 1	BNB	Lin1	14085357 579831190	30674887	58948061	134628024	274140362	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 2	BNB	Lin1	20599967 855515720	43475330	85038064	197621688	399011169	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 3	BNB	Lin1	14664669 624146997	31841164	63097389	144792892	297388523	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 4	BNB	Lin1	35351834 1485626157	69612079	138489248	330975106	679818230	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 5	BNB	Lin1	13504871 580649623	29723038	57634504	134718248	266752188	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248056

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2016 15:34 Calibration End Date: 09/22/2016 17:08 Calibration ID: 36144

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-248056/4	SIG10004.D
Level 2	STD01 240-248056/5	SIG10005.D
Level 3	STD02 240-248056/6	SIG10006.D
Level 4	STD05 240-248056/7	SIG10007.D
Level 5	STD1 240-248056/8	SIG10008.D
Level 6	STD2 240-248056/9	SIG10009.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1232 Peak 1	0.0247 0.0200	0.0246	0.0240	0.0231	0.0209	Lin1	0.0004	0.0204							0.9970		0.9900
PCB-1232 Peak 2	0.0212 0.0174	0.0211	0.0204	0.0186	0.0175	Lin1	0.0003	0.0174							0.9990		0.9900
PCB-1232 Peak 3	0.0381 0.0363	0.0382	0.0378	0.0371	0.0349	Lin1	0.0002	0.0359							0.9990		0.9900
PCB-1232 Peak 4	0.0142 0.0138	0.0165	0.0161	0.0141	0.0142	Lin1	0.0001	0.0139							0.9980		0.9900
PCB-1232 Peak 5	0.0152 0.0095	0.0126	0.0105	0.0099	0.0094	Lin1	0.0003	0.0093							1.0000		0.9900
PCB-1262 Peak 1	0.0351 0.0324	0.0361	0.0346	0.0326	0.0314	Lin1	0.0003	0.0320							0.9990		0.9900
PCB-1262 Peak 2	0.0428 0.0445	0.0470	0.0475	0.0448	0.0430	Lin1	0.0001	0.0442							0.9990		0.9900
PCB-1262 Peak 3	0.0424 0.0396	0.0439	0.0428	0.0403	0.0381	Lin1	0.0003	0.0391							0.9990		0.9900
PCB-1262 Peak 4	0.0789 0.0786	0.0813	0.0807	0.0765	0.0734	Lin1	0.0002	0.0768							0.9990		0.9900
PCB-1262 Peak 5	0.0499 0.0526	0.0558	0.0555	0.0517	0.0498	Lin1	0.0001	0.0518							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248056

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2016 15:34 Calibration End Date: 09/22/2016 17:08 Calibration ID: 36144

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-248056/4	SIG10004.D
Level 2	STD01 240-248056/5	SIG10005.D
Level 3	STD02 240-248056/6	SIG10006.D
Level 4	STD05 240-248056/7	SIG10007.D
Level 5	STD1 240-248056/8	SIG10008.D
Level 6	STD2 240-248056/9	SIG10009.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	BNB	Lin1	9070253 328185953	18236300	36567829	86060986	167143526	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 2	BNB	Lin1	7813390 285062206	15677576	31070279	69512066	139714645	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 3	BNB	Lin1	14002046 595390815	28345971	57417820	138600801	278652128	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 4	BNB	Lin1	5209032 226807938	12216547	24472840	52576836	113266366	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1232 Peak 5	BNB	Lin1	5600620 155757300	9322557	15992778	37028732	75442907	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 1	BNB	Lin1	12897588 532236003	26768999	52670023	121640012	251146958	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 2	BNB	Lin1	15750617 730818138	34880479	72294340	167162896	344077358	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 3	BNB	Lin1	15587678 649252273	32540848	65111113	150540450	304225351	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 4	BNB	Lin1	29030378 1290133199	60295803	122730771	285496317	586621532	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1262 Peak 5	BNB	Lin1	18345869 863241390	41358627	84449234	192913531	398112050	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248056

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2016 17:26 Calibration End Date: 09/22/2016 18:59 Calibration ID: 36149

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-248056/10	SIG10010.D
Level 2	STD01 240-248056/11	SIG10011.D
Level 3	STD02 240-248056/12	SIG10012.D
Level 4	STD05 240-248056/13	SIG10013.D
Level 5	STD1 240-248056/14	SIG10014.D
Level 6	STD2 240-248056/15	SIG10015.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1242 Peak 1	0.0193 0.0126	0.0176	0.0173	0.0157	0.0142	Lin1	0.0005	0.0132							0.9920		0.9900
PCB-1242 Peak 2	0.0390 0.0241	0.0358	0.0341	0.0310	0.0283	Ave		0.0321				16.8		20.0			
PCB-1242 Peak 3	0.0820 0.0573	0.0733	0.0713	0.0668	0.0631	Lin1	0.0015	0.0591							0.9960		0.9900
PCB-1242 Peak 4	0.0350 0.0236	0.0315	0.0309	0.0288	0.0261	Lin1	0.0008	0.0245							0.9940		0.9900
PCB-1242 Peak 5	0.0144 0.0108	0.0135	0.0135	0.0132	0.0115	Lin1	0.0003	0.0112							0.9940		0.9900
PCB-1268 Peak 1	0.1765 0.1520	0.1681	0.1683	0.1645	0.1633	Lin1	0.0015	0.1558							0.9990		0.9900
PCB-1268 Peak 2	0.1663 0.1332	0.1589	0.1579	0.1496	0.1463	Lin1	0.0023	0.1376							0.9970		0.9900
PCB-1268 Peak 3	0.1369 0.1137	0.1299	0.1292	0.1251	0.1233	Lin1	0.0015	0.1169							0.9980		0.9900
PCB-1268 Peak 4	0.0610 0.0454	0.0592	0.0533	0.0517	0.0491	Lin1	0.0011	0.0465							0.9980		0.9900
PCB-1268 Peak 5	0.3694 0.3357	0.3664	0.3553	0.3515	0.3492	Lin1	0.0023	0.3399							1.0000		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248056

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2016 17:26 Calibration End Date: 09/22/2016 18:59 Calibration ID: 36149

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-248056/10	SIG10010.D
Level 2	STD01 240-248056/11	SIG10011.D
Level 3	STD02 240-248056/12	SIG10012.D
Level 4	STD05 240-248056/13	SIG10013.D
Level 5	STD1 240-248056/14	SIG10014.D
Level 6	STD2 240-248056/15	SIG10015.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	BNB	Lin1	4377720 138715733	9048536	16825492	39657012	73493149	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 2	BNB	Ave	8852519 266013360	18425675	33179632	78105395	146018310	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 3	BNB	Lin1	18582012 631448531	37685391	69272222	168428970	325851897	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 4	BNB	Lin1	7943319 260249113	16210547	30018908	72592466	134899344	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 5	BNB	Lin1	3255734 119314653	6967455	13154496	33409384	59347650	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 1	BNB	Lin1	40008193 1676041701	86476129	163565120	414915002	842669587	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 2	BNB	Lin1	37707801 1468538267	81740803	153532178	377332856	755254865	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 3	BNB	Lin1	31030294 1253634569	66833232	125561092	315349091	636151645	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 4	BNB	Lin1	13819156 501008639	30462914	51766519	130350967	253313662	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 5	BNB	Lin1	83754414 3701833204	188465377	345386821	886328989	1802095744	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248056

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2016 17:26 Calibration End Date: 09/22/2016 18:59 Calibration ID: 36150

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-248056/10	SIG10010.D
Level 2	STD01 240-248056/11	SIG10011.D
Level 3	STD02 240-248056/12	SIG10012.D
Level 4	STD05 240-248056/13	SIG10013.D
Level 5	STD1 240-248056/14	SIG10014.D
Level 6	STD2 240-248056/15	SIG10015.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1242 Peak 1	0.0183 0.0131	0.0165	0.0166	0.0153	0.0145	Lin1	0.0003	0.0136							0.9960		0.9900
PCB-1242 Peak 2	0.0378 0.0255	0.0343	0.0330	0.0296	0.0288	Lin1	0.0008	0.0265							0.9950		0.9900
PCB-1242 Peak 3	0.0702 0.0580	0.0653	0.0659	0.0639	0.0633	Lin1	0.0007	0.0598							0.9980		0.9900
PCB-1242 Peak 4	0.0270 0.0223	0.0251	0.0261	0.0237	0.0238	Lin1	0.0003	0.0227							0.9990		0.9900
PCB-1242 Peak 5	0.0169 0.0128	0.0156	0.0154	0.0140	0.0135	Lin1	0.0003	0.0129							0.9980		0.9900
PCB-1268 Peak 1	0.0940 0.0783	0.0907	0.0860	0.0835	0.0836	Lin1	0.0010	0.0797							0.9990		0.9900
PCB-1268 Peak 2	0.0963 0.0782	0.0937	0.0871	0.0852	0.0837	Lin1	0.0012	0.0798							0.9990		0.9900
PCB-1268 Peak 3	0.0777 0.0636	0.0756	0.0722	0.0692	0.0687	Lin1	0.0009	0.0651							0.9980		0.9900
PCB-1268 Peak 4	0.0322 0.0258	0.0327	0.0299	0.0284	0.0278	Lin1	0.0005	0.0263							0.9980		0.9900
PCB-1268 Peak 5	0.2375 0.2314	0.2419	0.2237	0.2197	0.2230	Lin1	0.0004	0.2270							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248056

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2016 17:26 Calibration End Date: 09/22/2016 18:59 Calibration ID: 36150

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-248056/10	SIG10010.D
Level 2	STD01 240-248056/11	SIG10011.D
Level 3	STD02 240-248056/12	SIG10012.D
Level 4	STD05 240-248056/13	SIG10013.D
Level 5	STD1 240-248056/14	SIG10014.D
Level 6	STD2 240-248056/15	SIG10015.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	BNB	Lin1	6761008 233126437	13739169	26312759	63551827	120597705	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 2	BNB	Lin1	13974073 452775205	28594100	52462059	122799542	240527717	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 3	BNB	Lin1	25997644 1029624257	54406250	104705532	264709828	528171148	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 4	BNB	Lin1	9990129 395711923	20910285	41488548	98404067	198331287	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1242 Peak 5	BNB	Lin1	6237581 226358257	13029016	24450089	58191334	112261943	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 1	BNB	Lin1	34804247 1389589343	75568943	136585604	345862936	697126546	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 2	BNB	Lin1	35651945 1388765946	78125822	138419602	352927800	697897146	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 3	BNB	Lin1	28761126 1129071936	62999846	114651967	286903437	572506950	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 4	BNB	Lin1	11930139 457164785	27255534	47586561	117863075	231464206	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1268 Peak 5	BNB	Lin1	87903389 4107011285	201647898	355489793	910351535	1859577588	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248056

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2016 19:17 Calibration End Date: 09/22/2016 20:48 Calibration ID: 36155

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-248056/16	SIG10016.D
Level 2	STD01 240-248056/17	SIG10017.D
Level 3	STD02 240-248056/18	SIG10018.D
Level 4	STD05 240-248056/19	SIG10019.D
Level 5	STD1 240-248056/20	SIG10020.D
Level 6	STD2 240-248056/21	SIG10021.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1248 Peak 1	0.0196 0.0150	0.0173	0.0169	0.0155	0.0151	Lin1	0.0003	0.0149							1.0000		0.9900
PCB-1248 Peak 2	0.0284 0.0231	0.0253	0.0263	0.0238	0.0228	Lin1	0.0003	0.0229							0.9990		0.9900
PCB-1248 Peak 3	0.0408 0.0357	0.0356	0.0368	0.0345	0.0344	Lin1	0.0002	0.0350							0.9990		0.9900
PCB-1248 Peak 4	0.0337 0.0293	0.0286	0.0302	0.0283	0.0289	Lin1	0.0001	0.0289							1.0000		0.9900
PCB-1248 Peak 5	0.0212 0.0185	0.0183	0.0187	0.0175	0.0181	Lin1	0.0001	0.0182							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248056

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2016 19:17 Calibration End Date: 09/22/2016 20:48 Calibration ID: 36155

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-248056/16	SIG10016.D
Level 2	STD01 240-248056/17	SIG10017.D
Level 3	STD02 240-248056/18	SIG10018.D
Level 4	STD05 240-248056/19	SIG10019.D
Level 5	STD1 240-248056/20	SIG10020.D
Level 6	STD2 240-248056/21	SIG10021.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	BNB	Lin1	5116514 151246952	9423272	18791418	40037227	77367537	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 2	BNB	Lin1	7427157 233390552	13827709	29253017	61560775	116927356	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 3	BNB	Lin1	10675284 360491335	19421395	40935720	89200648	176156509	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 4	BNB	Lin1	8802769 295583932	15601925	33645666	73002219	148361444	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 5	BNB	Lin1	5533303 186384825	9983260	20806052	45066832	92847223	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton | Job No.: 240-69767-1 | Analy Batch No.: 248056

SDG No.:

Instrument ID: A2HP4 | GC Column: CLP-2 (0.53 ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2016 19:17 | Calibration End Date: 09/22/2016 20:48 | Calibration ID: 36156

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-248056/16	SIG10016.D
Level 2	STD01 240-248056/17	SIG10017.D
Level 3	STD02 240-248056/18	SIG10018.D
Level 4	STD05 240-248056/19	SIG10019.D
Level 5	STD1 240-248056/20	SIG10020.D
Level 6	STD2 240-248056/21	SIG10021.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1248 Peak 1	0.0197 0.0154	0.0177	0.0162	0.0146	0.0154	Lin1	0.0002	0.0151							0.9990		0.9900
PCB-1248 Peak 2	0.0433 0.0411	0.0393	0.0401	0.0383	0.0402	Lin1	0	0.0404							0.9990		0.9900
PCB-1248 Peak 3	0.0346 0.0318	0.0319	0.0322	0.0296	0.0311	Lin1	0.0001	0.0312							0.9990		0.9900
PCB-1248 Peak 4	0.0366 0.0349	0.0340	0.0351	0.0326	0.0345	Lin1	0	0.0345							0.9990		0.9900
PCB-1248 Peak 5	0.0160 0.0153	0.0154	0.0157	0.0144	0.0153	Lin1	0	0.0152							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248056

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2016 19:17 Calibration End Date: 09/22/2016 20:48 Calibration ID: 36156

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-248056/16	SIG10016.D
Level 2	STD01 240-248056/17	SIG10017.D
Level 3	STD02 240-248056/18	SIG10018.D
Level 4	STD05 240-248056/19	SIG10019.D
Level 5	STD1 240-248056/20	SIG10020.D
Level 6	STD2 240-248056/21	SIG10021.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	BNB	Lin1	8329973 251620774	15631578	29142963	61673898	127827304	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 2	BNB	Lin1	18291117 670030046	34662602	72160346	161553718	333812665	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 3	BNB	Lin1	14582062 518005406	28132380	57994047	125064279	258746294	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 4	BNB	Lin1	15455577 569113273	30014666	63180238	137762691	286435682	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1248 Peak 5	BNB	Lin1	6747936 249454965	13616398	28233308	60664365	127463556	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248056

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2016 21:06 Calibration End Date: 09/22/2016 22:36 Calibration ID: 36161

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-248056/22	SIG10022.D
Level 2	STD01 240-248056/23	SIG10023.D
Level 3	STD02 240-248056/24	SIG10024.D
Level 4	STD05 240-248056/25	SIG10025.D
Level 5	STD1 240-248056/26	SIG10026.D
Level 6	STD2 240-248056/27	SIG10027.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1221 Peak 1	0.0099 0.0087	0.0098	0.0097	0.0101	0.0092	Lin1	0.0001	0.0089							0.9970		0.9900
PCB-1221 Peak 2	0.0085 0.0060	0.0077	0.0074	0.0072	0.0064	Lin1	0.0002	0.0062							0.9960		0.9900
PCB-1221 Peak 3	0.0321 0.0223	0.0292	0.0281	0.0269	0.0242	Lin1	0.0006	0.0230							0.9960		0.9900
PCB-1254 Peak 1	0.0429 0.0312	0.0378	0.0371	0.0356	0.0333	Lin1	0.0007	0.0319							0.9980		0.9900
PCB-1254 Peak 2	0.0581 0.0439	0.0505	0.0495	0.0482	0.0464	Lin1	0.0008	0.0446							0.9990		0.9900
PCB-1254 Peak 3	0.0721 0.0599	0.0635	0.0624	0.0635	0.0627	Lin1	0.0005	0.0607							0.9990		0.9900
PCB-1254 Peak 4	0.0539 0.0481	0.0479	0.0470	0.0500	0.0504	Lin1	0.0001	0.0488							0.9990		0.9900
PCB-1254 Peak 5	0.0711 0.0626	0.0614	0.0617	0.0656	0.0660	Lin1	0.0002	0.0636							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton | Job No.: 240-69767-1 | Analy Batch No.: 248056

SDG No.:

Instrument ID: A2HP4 | GC Column: CLP-1 (0.53 ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2016 21:06 | Calibration End Date: 09/22/2016 22:36 | Calibration ID: 36161

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-248056/22	SIG10022.D
Level 2	STD01 240-248056/23	SIG10023.D
Level 3	STD02 240-248056/24	SIG10024.D
Level 4	STD05 240-248056/25	SIG10025.D
Level 5	STD1 240-248056/26	SIG10026.D
Level 6	STD2 240-248056/27	SIG10027.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	BNB	Lin1	2393366 93095225	4902779	9944246	23417490	52111402	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 2	BNB	Lin1	2045389 64343857	3820778	7599262	16753505	36325121	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 3	BNB	Lin1	7763097 239551274	14572211	28691162	62520294	137221182	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 1	BNB	Lin1	10371286 334724212	18841497	37881276	82830261	188570551	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 2	BNB	Lin1	14024351 470506499	25181737	50526657	112252089	263224750	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 3	BNB	Lin1	17425050 642441105	31667490	63663253	147923110	355396864	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 4	BNB	Lin1	13009474 515779197	23885205	47939793	116397213	285522218	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 5	BNB	Lin1	17177109 670914951	30619267	62977911	152638519	373837990	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248056

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2016 21:06 Calibration End Date: 09/22/2016 22:36 Calibration ID: 36162

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-248056/22	SIG10022.D
Level 2	STD01 240-248056/23	SIG10023.D
Level 3	STD02 240-248056/24	SIG10024.D
Level 4	STD05 240-248056/25	SIG10025.D
Level 5	STD1 240-248056/26	SIG10026.D
Level 6	STD2 240-248056/27	SIG10027.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1221 Peak 1	0.0127 0.0095	0.0110	0.0106	0.0104	0.0099	Lin1	0.0002	0.0096							0.9990		0.9900
PCB-1221 Peak 2	0.0082 0.0058	0.0072	0.0069	0.0068	0.0061	Lin1	0.0001	0.0059							0.9970		0.9900
PCB-1221 Peak 3	0.0308 0.0223	0.0271	0.0260	0.0260	0.0236	Lin1	0.0005	0.0228							0.9970		0.9900
PCB-1254 Peak 1	0.0392 0.0328	0.0355	0.0355	0.0362	0.0338	Lin1	0.0004	0.0332							0.9990		0.9900
PCB-1254 Peak 2	0.0407 0.0353	0.0372	0.0369	0.0378	0.0362	Lin1	0.0003	0.0356							0.9990		0.9900
PCB-1254 Peak 3	0.0503 0.0467	0.0526	0.0469	0.0491	0.0478	Lin1	0.0003	0.0471							0.9990		0.9900
PCB-1254 Peak 4	0.0325 0.0330	0.0329	0.0313	0.0337	0.0340	Lin1	0	0.0333							1.0000		0.9900
PCB-1254 Peak 5	0.0444 0.0419	0.0444	0.0409	0.0423	0.0433	Lin1	0.0001	0.0422							1.0000		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248056

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2016 21:06 Calibration End Date: 09/22/2016 22:36 Calibration ID: 36162

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-248056/22	SIG10022.D
Level 2	STD01 240-248056/23	SIG10023.D
Level 3	STD02 240-248056/24	SIG10024.D
Level 4	STD05 240-248056/25	SIG10025.D
Level 5	STD1 240-248056/26	SIG10026.D
Level 6	STD2 240-248056/27	SIG10027.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	BNB	Lin1	5012484 163851240	8810496	17428041	39108946	90702630	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 2	BNB	Lin1	3221691 100288692	5781347	11449193	25435645	55909582	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1221 Peak 3	BNB	Lin1	12166981 385953950	21814799	42905449	97981969	216591081	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 1	BNB	Lin1	15484358 567584460	28532566	58617858	136371537	309776157	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 2	BNB	Lin1	16069056 610373527	29965865	60939672	142101085	332095030	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 3	BNB	Lin1	19860177 807974434	42285516	77368753	184879175	438808681	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 4	BNB	Lin1	12849744 570379874	26435942	51650094	126893355	311776130	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1254 Peak 5	BNB	Lin1	17525892 724420967	35694280	67500961	159235667	397529139	0.0500 2.00	0.100	0.200	0.500	1.00

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248056

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2016 22:54 Calibration End Date: 09/23/2016 00:25 Calibration ID: 36167

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-248056/28	SIG10028.D
Level 2	STD01 240-248056/29	SIG10029.D
Level 3	STD02 240-248056/30	SIG10030.D
Level 4	STD05 240-248056/31	SIG10031.D
Level 5	STD1 240-248056/32	SIG10032.D
Level 6	STD2 240-248056/33	SIG10033.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0223 0.0175	0.0214	0.0200	0.0188	0.0197	Lin1	0.0003	0.0181							0.9970		0.9900
PCB-1016 Peak 2	0.0447 0.0343	0.0426	0.0404	0.0374	0.0370	Lin1	0.0007	0.0350							0.9980		0.9900
PCB-1016 Peak 3	0.0940 0.0790	0.0880	0.0823	0.0790	0.0817	Lin1	0.0008	0.0791							1.0000		0.9900
PCB-1016 Peak 4	0.0421 0.0328	0.0373	0.0357	0.0342	0.0348	Lin1	0.0005	0.0331							0.9990		0.9900
PCB-1016 Peak 5	0.0186 0.0154	0.0170	0.0161	0.0165	0.0170	Lin1	0.0001	0.0159							0.9980		0.9900
PCB-1260 Peak 1	0.0561 0.0486	0.0524	0.0503	0.0479	0.0500	Lin1	0.0004	0.0486							1.0000		0.9900
PCB-1260 Peak 2	0.0863 0.0812	0.0775	0.0811	0.0785	0.0827	Lin1	0	0.0812							1.0000		0.9900
PCB-1260 Peak 3	0.0912 0.0871	0.0852	0.0861	0.0833	0.0885	Lin1	0	0.0869							1.0000		0.9900
PCB-1260 Peak 4	0.1280 0.1167	0.1045	0.1117	0.1085	0.1167	Lin1	0	0.1155							0.9990		0.9900
PCB-1260 Peak 5	0.0493 0.0510	0.0486	0.0491	0.0471	0.0507	Lin1	0	0.0505							0.9990		0.9900
Tetrachloro-m-xylene	1.3331 1.1884	1.2127	1.1692	1.2065	1.2327	Lin1	0.0002	1.1974							1.0000		0.9900
DCB Decachlorobiphenyl	0.9738 0.8067	0.8744	0.8294	0.7713	0.8070	Lin1	0.0004	0.7956							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248056

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2016 22:54 Calibration End Date: 09/23/2016 00:25 Calibration ID: 36167

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-248056/28	SIG10028.D
Level 2	STD01 240-248056/29	SIG10029.D
Level 3	STD02 240-248056/30	SIG10030.D
Level 4	STD05 240-248056/31	SIG10031.D
Level 5	STD1 240-248056/32	SIG10032.D
Level 6	STD2 240-248056/33	SIG10033.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Lin1	5297853 163721238	10364119	20417299	47264176	88003299	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 2	BNB	Lin1	10603733 320552603	20662326	41152404	94024155	165292011	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 3	BNB	Lin1	22291238 738586164	42634599	83946731	198508609	364850168	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 4	BNB	Lin1	9987681 306390631	18065389	36380899	85940441	155414001	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 5	BNB	Lin1	4410564 144188707	8233155	16454243	41423586	76134708	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 1	BNB	Lin1	13307698 454591832	25387303	51314081	120323111	223211127	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 2	BNB	Lin1	20467535 759543643	37548427	82695047	197361523	369504610	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 3	BNB	Lin1	21619505 814887368	41303827	87789196	209250713	395238604	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 4	BNB	Lin1	30347184 1091524041	50652776	113898218	272615957	521421607	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 5	BNB	Lin1	11680926 476891770	23560907	50023527	118387277	226353013	0.0500 2.00	0.100	0.200	0.500	1.00
Tetrachloro-m-xylene	BNB	Lin1	15806623 555723639	29382742	59612219	151585560	275280164	0.00250 0.100	0.00500	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl	BNB	Lin1	11546130 377243563	21187156	42288414	96906392	180220258	0.00250 0.100	0.00500	0.0100	0.0250	0.0500

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248056

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2016 22:54 Calibration End Date: 09/23/2016 00:25 Calibration ID: 36168

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-248056/28	SIG10028.D
Level 2	STD01 240-248056/29	SIG10029.D
Level 3	STD02 240-248056/30	SIG10030.D
Level 4	STD05 240-248056/31	SIG10031.D
Level 5	STD1 240-248056/32	SIG10032.D
Level 6	STD2 240-248056/33	SIG10033.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0216 0.0175	0.0198	0.0186	0.0185	0.0188	Lin1	0.0002	0.0178							0.9990		0.9900
PCB-1016 Peak 2	0.0433 0.0353	0.0410	0.0389	0.0382	0.0385	Lin1	0.0005	0.0362							0.9980		0.9900
PCB-1016 Peak 3	0.0803 0.0806	0.0791	0.0775	0.0783	0.0828	Lin1	0	0.0810							1.0000		0.9900
PCB-1016 Peak 4	0.0312 0.0307	0.0324	0.0305	0.0300	0.0315	Lin1	0	0.0308							1.0000		0.9900
PCB-1016 Peak 5	0.0277 0.0235	0.0247	0.0243	0.0228	0.0243	Lin1	0.0002	0.0235							0.9990		0.9900
PCB-1260 Peak 1	0.0421 0.0410	0.0421	0.0400	0.0390	0.0418	Lin1	0	0.0409							0.9990		0.9900
PCB-1260 Peak 2	0.0442 0.0434	0.0443	0.0420	0.0411	0.0438	Lin1	0	0.0432							0.9990		0.9900
PCB-1260 Peak 3	0.0537 0.0583	0.0579	0.0553	0.0547	0.0587	Lin1	0	0.0581							0.9990		0.9900
PCB-1260 Peak 4	0.0633 0.0662	0.0659	0.0625	0.0614	0.0663	Lin1	0	0.0657							0.9990		0.9900
PCB-1260 Peak 5	0.0412 0.0436	0.0443	0.0423	0.0408	0.0439	Lin1	0	0.0434							0.9990		0.9900
Tetrachloro-m-xylene	1.2272 1.3002	1.2032	1.1353	1.2215	1.3081	Lin1	0	1.2952							0.9990		0.9900
DCB Decachlorobiphenyl	0.6644 0.5522	0.6283	0.5914	0.5279	0.5544	Lin1	0.0003	0.5451							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248056

SDG No.:

Instrument ID: A2HP4 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/22/2016 22:54 Calibration End Date: 09/23/2016 00:25 Calibration ID: 36168

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-248056/28	SIG10028.D
Level 2	STD01 240-248056/29	SIG10029.D
Level 3	STD02 240-248056/30	SIG10030.D
Level 4	STD05 240-248056/31	SIG10031.D
Level 5	STD1 240-248056/32	SIG10032.D
Level 6	STD2 240-248056/33	SIG10033.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Lin1	8261930 265322227	15492908	30995284	76523760	136769932	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 2	BNB	Lin1	16588205 536490984	32008571	64871501	157738164	279588227	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 3	BNB	Lin1	30781384 1224310392	61729256	129365009	322861869	602275330	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 4	BNB	Lin1	11937000 466307299	25262068	50920982	123831519	229249104	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1016 Peak 5	BNB	Lin1	10619539 357107730	19278669	40642481	94193091	176970818	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 1	BNB	Lin1	16147084 622394068	32900764	66722484	160898265	304069942	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 2	BNB	Lin1	16950858 658456362	34571314	70074982	169711461	318694226	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 3	BNB	Lin1	20572207 885270434	45173486	92243791	225732901	426737137	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 4	BNB	Lin1	24271622 1004832960	51452519	104235418	253448440	482122177	0.0500 2.00	0.100	0.200	0.500	1.00
PCB-1260 Peak 5	BNB	Lin1	15785891 661347614	34613632	70568799	168337339	319047629	0.0500 2.00	0.100	0.200	0.500	1.00
Tetrachloro-m-xylene	BNB	Lin1	23513115 987140497	46966487	94748294	251946661	475470844	0.00250 0.100	0.00500	0.0100	0.0250	0.0500
DCB Decachlorobiphenyl	BNB	Lin1	12730878 419273259	24525663	49352339	108890537	201509210	0.00250 0.100	0.00500	0.0100	0.0250	0.0500

Curve Type Legend:
Lin1 = Linear 1/conc ISTD

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/34 Calibration Date: 09/21/2016 03:47

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 23:59

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/21/2016 01:34

Lab File ID: P100920034.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0095		1.01	1.00	0.9	20.0
PCB-1221 Peak 2	Lin1		0.0051		0.839	1.00	-16.1	20.0
PCB-1221 Peak 3	Lin1		0.0208		0.929	1.00	-7.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/34 Calibration Date: 09/21/2016 03:47

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 23:59

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/21/2016 01:34

Lab File ID: P100920034.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	4.37	4.34	4.38
PCB-1221 Peak 2	4.56	4.53	4.57
PCB-1221 Peak 3	4.61	4.58	4.62

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/34 Calibration Date: 09/21/2016 03:47

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 23:59

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/21/2016 01:34

Lab File ID: P100920034.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0086		0.890	1.00	-11.0	20.0
PCB-1221 Peak 2	Lin1		0.0062		0.995	1.00	-0.5	20.0
PCB-1221 Peak 3	Lin1		0.0225		1.00	1.00	0.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/34 Calibration Date: 09/21/2016 03:47

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 23:59

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/21/2016 01:34

Lab File ID: P100920034.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	5.14	5.12	5.15
PCB-1221 Peak 2	5.34	5.31	5.35
PCB-1221 Peak 3	5.41	5.39	5.43

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/35 Calibration Date: 09/21/2016 04:06

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 18:18

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 19:53

Lab File ID: P100920035.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		0.0199		1.05	1.00	4.6	20.0
PCB-1232 Peak 2	Lin1		0.0165		1.16	1.00	16.4	20.0
PCB-1232 Peak 3	Lin1		0.0384		1.20	1.00	19.8	20.0
PCB-1232 Peak 4	Lin1		0.0165		1.15	1.00	14.9	20.0
PCB-1232 Peak 5	Lin1		0.0160		1.24	1.00	23.7*	20.0

Avg %D < 20% ✓

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/35 Calibration Date: 09/21/2016 04:06

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 18:18

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 19:53

Lab File ID: P100920035.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	4.60	4.58	4.62
PCB-1232 Peak 2	5.07	5.05	5.09
PCB-1232 Peak 3	5.66	5.64	5.68
PCB-1232 Peak 4	5.83	5.81	5.85
PCB-1232 Peak 5	6.34	6.32	6.36

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/35 Calibration Date: 09/21/2016 04:06

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 18:18

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 19:53

Lab File ID: P100920035.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		0.0210		1.14	1.00	14.1	20.0
PCB-1232 Peak 2	Lin1		0.0186		1.17	1.00	17.1	20.0
PCB-1232 Peak 3	Lin1		0.0392		1.19	1.00	18.5	20.0
PCB-1232 Peak 4	Lin1		0.0165		1.16	1.00	16.1	20.0
PCB-1232 Peak 5	Lin1		0.0118		1.20	1.00	19.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/35 Calibration Date: 09/21/2016 04:06

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 18:18

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 19:53

Lab File ID: P100920035.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	5.41	5.39	5.43
PCB-1232 Peak 2	5.96	5.95	5.98
PCB-1232 Peak 3	6.56	6.54	6.58
PCB-1232 Peak 4	6.73	6.71	6.75
PCB-1232 Peak 5	7.32	7.30	7.34

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/36 Calibration Date: 09/21/2016 04:25

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 20:12

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 21:47

Lab File ID: P100920036.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		0.0135		1.01	1.00	1.4	20.0
PCB-1242 Peak 2	Lin1		0.0256		1.06	1.00	6.4	20.0
PCB-1242 Peak 3	Lin1		0.0605		1.06	1.00	5.9	20.0
PCB-1242 Peak 4	Lin1		0.0261		1.03	1.00	3.5	20.0
PCB-1242 Peak 5	Lin1		0.0273		1.08	1.00	8.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/36 Calibration Date: 09/21/2016 04:25

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 20:12

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 21:47

Lab File ID: P100920036.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	4.60	4.58	4.62
PCB-1242 Peak 2	5.07	5.05	5.09
PCB-1242 Peak 3	5.66	5.64	5.68
PCB-1242 Peak 4	5.83	5.81	5.85
PCB-1242 Peak 5	6.34	6.32	6.36

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/36 Calibration Date: 09/21/2016 04:25

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 20:12

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 21:47

Lab File ID: P100920036.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		0.0144		1.06	1.00	5.8	20.0
PCB-1242 Peak 2	Lin1		0.0280		0.986	1.00	-1.4	20.0
PCB-1242 Peak 3	Lin1		0.0623		1.04	1.00	4.3	20.0
PCB-1242 Peak 4	Lin1		0.0260		1.04	1.00	3.9	20.0
PCB-1242 Peak 5	Lin1		0.0202		1.07	1.00	6.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/36 Calibration Date: 09/21/2016 04:25

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 20:12

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 21:47

Lab File ID: P100920036.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	5.41	5.39	5.43
PCB-1242 Peak 2	5.96	5.94	5.98
PCB-1242 Peak 3	6.55	6.54	6.57
PCB-1242 Peak 4	6.73	6.71	6.75
PCB-1242 Peak 5	7.32	7.30	7.33

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/37 Calibration Date: 09/21/2016 04:44

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 22:06

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 23:40

Lab File ID: P100920037.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1		0.0124		0.945	1.00	-5.5	20.0
PCB-1248 Peak 2	Lin1		0.0359		0.989	1.00	-1.1	20.0
PCB-1248 Peak 3	Lin1		0.0383		1.03	1.00	3.0	20.0
PCB-1248 Peak 4	Lin1		0.0296		1.06	1.00	5.7	20.0
PCB-1248 Peak 5	Lin1		0.0186		1.01	1.00	1.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/37 Calibration Date: 09/21/2016 04:44

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 22:06

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 23:40

Lab File ID: P100920037.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	5.07	5.05	5.09
PCB-1248 Peak 2	5.65	5.64	5.68
PCB-1248 Peak 3	6.34	6.32	6.36
PCB-1248 Peak 4	7.12	7.11	7.15
PCB-1248 Peak 5	7.59	7.58	7.62

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/37 Calibration Date: 09/21/2016 04:44

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 22:06

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 23:40

Lab File ID: P100920037.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1		0.0142		0.946	1.00	-5.4	20.0
PCB-1248 Peak 2	Lin1		0.0384		0.994	1.00	-0.6	20.0
PCB-1248 Peak 3	Lin1		0.0297		1.02	1.00	2.2	20.0
PCB-1248 Peak 4	Lin1		0.0386		1.06	1.00	5.9	20.0
PCB-1248 Peak 5	Lin1		0.0204		1.06	1.00	5.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/37 Calibration Date: 09/21/2016 04:44

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 22:06

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 23:40

Lab File ID: P100920037.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	5.96	5.95	5.98
PCB-1248 Peak 2	6.55	6.54	6.57
PCB-1248 Peak 3	7.32	7.30	7.34
PCB-1248 Peak 4	7.84	7.82	7.86
PCB-1248 Peak 5	8.61	8.60	8.63

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/38 Calibration Date: 09/21/2016 05:03

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 23:59

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/21/2016 01:34

Lab File ID: P100920038.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1254 Peak 1	Lin1		0.0324		1.08	1.00	7.7	20.0
PCB-1254 Peak 2	Lin1		0.0456		1.08	1.00	8.2	20.0
PCB-1254 Peak 3	Lin1		0.0630		1.05	1.00	5.0	20.0
PCB-1254 Peak 4	Lin1		0.0548		1.11	1.00	11.4	20.0
PCB-1254 Peak 5	Lin1		0.0715		1.16	1.00	16.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/38 Calibration Date: 09/21/2016 05:03

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 23:59

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/21/2016 01:34

Lab File ID: P100920038.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1254 Peak 1	6.80	6.79	6.83
PCB-1254 Peak 2	7.13	7.11	7.15
PCB-1254 Peak 3	7.59	7.58	7.61
PCB-1254 Peak 4	7.92	7.91	7.95
PCB-1254 Peak 5	8.46	8.45	8.49

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/38 Calibration Date: 09/21/2016 05:03

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 23:59

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/21/2016 01:34

Lab File ID: P100920038.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1254 Peak 1	Lin1		0.0388		1.08	1.00	7.9	20.0
PCB-1254 Peak 2	Lin1		0.0439		1.11	1.00	11.2	20.0
PCB-1254 Peak 3	Lin1		0.0674		1.09	1.00	9.4	20.0
PCB-1254 Peak 4	Lin1		0.0455		1.13	1.00	12.5	20.0
PCB-1254 Peak 5	Lin1		0.0684		1.19	1.00	19.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/38 Calibration Date: 09/21/2016 05:03

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 23:59

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/21/2016 01:34

Lab File ID: P100920038.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1254 Peak 1	7.83	7.81	7.85
PCB-1254 Peak 2	8.07	8.05	8.09
PCB-1254 Peak 3	8.61	8.59	8.63
PCB-1254 Peak 4	8.88	8.87	8.91
PCB-1254 Peak 5	9.51	9.49	9.53

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/39 Calibration Date: 09/21/2016 05:22

Instrument ID: A2HP10 Calib Start Date: 09/21/2016 01:53

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/21/2016 03:28

Lab File ID: P100920039.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		0.0157		0.954	1.00	-4.6	20.0
PCB-1016 Peak 2	Lin1		0.0291		1.03	1.00	2.8	20.0
PCB-1016 Peak 3	Lin1		0.0701		1.03	1.00	2.7	20.0
PCB-1016 Peak 4	Lin1		0.0298		1.03	1.00	3.1	20.0
PCB-1016 Peak 5	Lin1		0.0303		1.03	1.00	3.0	20.0
PCB-1260 Peak 1	Lin1		0.0407		0.972	1.00	-2.8	20.0
PCB-1260 Peak 2	Lin1		0.0741		0.961	1.00	-3.9	20.0
PCB-1260 Peak 3	Lin1		0.0692		0.901	1.00	-9.9	20.0
PCB-1260 Peak 4	Lin1		0.1172		1.10	1.00	9.8	20.0
PCB-1260 Peak 5	Lin1		0.0476		1.01	1.00	1.0	20.0
Tetrachloro-m-xylene	Ave	1.118	0.9668		0.0432	0.0500	-13.6	20.0
DCB Decachlorobiphenyl	Ave	0.9776	0.8148		0.0417	0.0500	-16.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/39 Calibration Date: 09/21/2016 05:22

Instrument ID: A2HP10 Calib Start Date: 09/21/2016 01:53

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/21/2016 03:28

Lab File ID: P100920039.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.60	4.58	4.62
PCB-1016 Peak 2	5.07	5.05	5.09
PCB-1016 Peak 3	5.66	5.64	5.68
PCB-1016 Peak 4	5.83	5.81	5.84
PCB-1016 Peak 5	6.34	6.32	6.36
PCB-1260 Peak 1	7.81	7.79	7.83
PCB-1260 Peak 2	8.14	8.12	8.16
PCB-1260 Peak 3	8.46	8.44	8.48
PCB-1260 Peak 4	9.24	9.23	9.26
PCB-1260 Peak 5	9.56	9.54	9.58
Tetrachloro-m-xylene	4.09	4.07	4.11
DCB Decachlorobiphenyl	10.77	10.75	10.79

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/39 Calibration Date: 09/21/2016 05:22

Instrument ID: A2HP10 Calib Start Date: 09/21/2016 01:53

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/21/2016 03:28

Lab File ID: P100920039.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		0.0160		1.00	1.00	0.5	20.0
PCB-1016 Peak 2	Ave	0.0381	0.0366		0.961	1.00	-3.9	20.0
PCB-1016 Peak 3	Lin1		0.0751		1.05	1.00	5.4	20.0
PCB-1016 Peak 4	Lin1		0.0314		1.05	1.00	5.5	20.0
PCB-1016 Peak 5	Lin1		0.0231		1.03	1.00	3.5	20.0
PCB-1260 Peak 1	Lin1		0.0430		0.968	1.00	-3.2	20.0
PCB-1260 Peak 2	Lin1		0.0501		0.988	1.00	-1.2	20.0
PCB-1260 Peak 3	Lin1		0.0689		0.935	1.00	-6.5	20.0
PCB-1260 Peak 4	Lin1		0.0992		1.03	1.00	3.1	20.0
PCB-1260 Peak 5	Lin1		0.0673		0.992	1.00	-0.8	20.0
Tetrachloro-m-xylene	Ave	1.098	1.044		0.0475	0.0500	-5.0	20.0
DCB Decachlorobiphenyl	Ave	0.9714	0.9061		0.0466	0.0500	-6.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/39 Calibration Date: 09/21/2016 05:22

Instrument ID: A2HP10 Calib Start Date: 09/21/2016 01:53

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/21/2016 03:28

Lab File ID: P100920039.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	5.41	5.39	5.43
PCB-1016 Peak 2	5.96	5.94	5.98
PCB-1016 Peak 3	6.55	6.53	6.57
PCB-1016 Peak 4	6.73	6.71	6.74
PCB-1016 Peak 5	7.32	7.30	7.33
PCB-1260 Peak 1	8.84	8.82	8.86
PCB-1260 Peak 2	9.10	9.08	9.12
PCB-1260 Peak 3	9.50	9.49	9.53
PCB-1260 Peak 4	10.25	10.24	10.27
PCB-1260 Peak 5	10.64	10.63	10.66
Tetrachloro-m-xylene	4.68	4.66	4.70
DCB Decachlorobiphenyl	11.76	11.74	11.78

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/40 Calibration Date: 09/21/2016 05:41

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 18:18

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 19:53

Lab File ID: P100920040.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1262 Peak 1	Lin1		0.0365		1.08	1.00	8.0	20.0
PCB-1262 Peak 2	Lin1		0.0704		1.10	1.00	9.7	20.0
PCB-1262 Peak 3	Lin1		0.0604		1.10	1.00	10.3	20.0
PCB-1262 Peak 4	Lin1		0.1390		1.00	1.00	0.1	20.0
PCB-1262 Peak 5	Lin1		0.0569		1.08	1.00	7.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/40 Calibration Date: 09/21/2016 05:41

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 18:18

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 19:53

Lab File ID: P100920040.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1262 Peak 1	7.81	7.80	7.84
PCB-1262 Peak 2	8.60	8.59	8.62
PCB-1262 Peak 3	8.88	8.86	8.90
PCB-1262 Peak 4	9.24	9.23	9.27
PCB-1262 Peak 5	9.61	9.59	9.63

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/40 Calibration Date: 09/21/2016 05:41

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 18:18

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 19:53

Lab File ID: P100920040.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1262 Peak 1	Lin1		0.0377		1.03	1.00	2.7	20.0
PCB-1262 Peak 2	Lin1		0.0644		1.10	1.00	9.7	20.0
PCB-1262 Peak 3	Lin1		0.0578		1.10	1.00	9.8	20.0
PCB-1262 Peak 4	Lin1		0.1239		1.07	1.00	7.4	20.0
PCB-1262 Peak 5	Lin1		0.0880		1.07	1.00	6.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/40 Calibration Date: 09/21/2016 05:41

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 18:18

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 19:53

Lab File ID: P100920040.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1262 Peak 1	8.84	8.83	8.86
PCB-1262 Peak 2	9.62	9.60	9.64
PCB-1262 Peak 3	9.96	9.94	9.98
PCB-1262 Peak 4	10.25	10.24	10.28
PCB-1262 Peak 5	10.64	10.62	10.66

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/41 Calibration Date: 09/21/2016 06:00

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 20:12

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 21:47

Lab File ID: P100920041.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1268 Peak 1	Lin1		0.1448		0.980	1.00	-2.0	20.0
PCB-1268 Peak 2	Lin1		0.1473		0.969	1.00	-3.1	20.0
PCB-1268 Peak 3	Lin1		0.1252		0.971	1.00	-2.9	20.0
PCB-1268 Peak 4	Lin1		0.0524		0.996	1.00	-0.4	20.0
PCB-1268 Peak 5	Lin1		0.3390		0.831	1.00	-16.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/41 Calibration Date: 09/21/2016 06:00

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 20:12

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 21:47

Lab File ID: P100920041.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1268 Peak 1	9.60	9.59	9.63
PCB-1268 Peak 2	9.65	9.64	9.67
PCB-1268 Peak 3	9.87	9.85	9.89
PCB-1268 Peak 4	10.27	10.26	10.30
PCB-1268 Peak 5	10.58	10.56	10.60

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/41 Calibration Date: 09/21/2016 06:00

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 20:12

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 21:47

Lab File ID: P100920041.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1268 Peak 1	Lin1		0.1368		0.956	1.00	-4.4	20.0
PCB-1268 Peak 2	Lin1		0.1377		0.983	1.00	-1.7	20.0
PCB-1268 Peak 3	Lin1		0.1179		0.987	1.00	-1.3	20.0
PCB-1268 Peak 4	Lin1		0.0483		0.989	1.00	-1.1	20.0
PCB-1268 Peak 5	Lin1		0.3790		0.982	1.00	-1.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247657/41 Calibration Date: 09/21/2016 06:00

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 20:12

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 21:47

Lab File ID: P100920041.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1268 Peak 1	10.64	10.62	10.66
PCB-1268 Peak 2	10.69	10.67	10.71
PCB-1268 Peak 3	10.94	10.92	10.96
PCB-1268 Peak 4	11.22	11.21	11.25
PCB-1268 Peak 5	11.53	11.51	11.55

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248277/3 Calibration Date: 09/24/2016 11:42

Instrument ID: A2HP10 Calib Start Date: 09/21/2016 01:53

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/21/2016 03:28

Lab File ID: P100924003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		0.0176		0.518	0.500	3.7	20.0
PCB-1016 Peak 2	Lin1		0.0303		0.520	0.500	3.9	20.0
PCB-1016 Peak 3	Lin1		0.0701		0.500	0.500	0.0	20.0
PCB-1016 Peak 4	Lin1		0.0304		0.513	0.500	2.5	20.0
PCB-1016 Peak 5	Lin1		0.0306		0.510	0.500	1.9	20.0
PCB-1260 Peak 1	Lin1		0.0429		0.506	0.500	1.2	20.0
PCB-1260 Peak 2	Lin1		0.0798		0.511	0.500	2.3	20.0
PCB-1260 Peak 3	Lin1		0.0791		0.511	0.500	2.2	20.0
PCB-1260 Peak 4	Lin1		0.1152		0.533	0.500	6.7	20.0
PCB-1260 Peak 5	Lin1		0.0485		0.513	0.500	2.7	20.0
Tetrachloro-m-xylene	Ave	1.118	1.012		0.0226	0.0250	-9.5	20.0
DCB Decachlorobiphenyl	Ave	0.9776	0.9251		0.0237	0.0250	-5.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248277/3 Calibration Date: 09/24/2016 11:42

Instrument ID: A2HP10 Calib Start Date: 09/21/2016 01:53

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/21/2016 03:28

Lab File ID: P100924003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.60	4.58	4.62
PCB-1016 Peak 2	5.07	5.05	5.09
PCB-1016 Peak 3	5.66	5.64	5.68
PCB-1016 Peak 4	5.83	5.81	5.85
PCB-1016 Peak 5	6.35	6.33	6.36
PCB-1260 Peak 1	7.82	7.80	7.84
PCB-1260 Peak 2	8.15	8.13	8.17
PCB-1260 Peak 3	8.47	8.45	8.49
PCB-1260 Peak 4	9.25	9.23	9.27
PCB-1260 Peak 5	9.57	9.55	9.59
Tetrachloro-m-xylene	4.09	4.07	4.11
DCB Decachlorobiphenyl	10.78	10.76	10.80

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248277/4 Calibration Date: 09/24/2016 12:01

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 18:18

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 19:53

Lab File ID: P100924004.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		0.0204		0.516	0.500	3.2	20.0
PCB-1232 Peak 2	Lin1		0.0151		0.516	0.500	3.1	20.0
PCB-1232 Peak 3	Lin1		0.0353		0.540	0.500	8.0	20.0
PCB-1232 Peak 4	Lin1		0.0154		0.534	0.500	6.9	20.0
PCB-1232 Peak 5	Lin1		0.0134		0.509	0.500	1.7	20.0
PCB-1262 Peak 1	Lin1		0.0351		0.513	0.500	2.7	20.0
PCB-1262 Peak 2	Lin1		0.0645		0.501	0.500	0.2	20.0
PCB-1262 Peak 3	Lin1		0.0555		0.503	0.500	0.5	20.0
PCB-1262 Peak 4	Lin1		0.1328		0.475	0.500	-5.0	20.0
PCB-1262 Peak 5	Lin1		0.0533		0.498	0.500	-0.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248277/4 Calibration Date: 09/24/2016 12:01

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 18:18

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 19:53

Lab File ID: P100924004.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	4.61	4.59	4.63
PCB-1232 Peak 2	5.07	5.05	5.09
PCB-1232 Peak 3	5.66	5.65	5.68
PCB-1232 Peak 4	5.83	5.81	5.85
PCB-1232 Peak 5	6.35	6.33	6.37
PCB-1262 Peak 1	7.82	7.80	7.84
PCB-1262 Peak 2	8.61	8.59	8.63
PCB-1262 Peak 3	8.89	8.87	8.91
PCB-1262 Peak 4	9.25	9.23	9.27
PCB-1262 Peak 5	9.62	9.60	9.64

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248277/5 Calibration Date: 09/24/2016 12:20

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 20:12

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 21:47

Lab File ID: P100924005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		0.0147		0.535	0.500	7.1	20.0
PCB-1242 Peak 2	Lin1		0.0263		0.530	0.500	6.0	20.0
PCB-1242 Peak 3	Lin1		0.0594		0.508	0.500	1.6	20.0
PCB-1242 Peak 4	Lin1		0.0263		0.514	0.500	2.7	20.0
PCB-1242 Peak 5	Lin1		0.0268		0.523	0.500	4.6	20.0
PCB-1268 Peak 1	Lin1		0.1493		0.504	0.500	0.7	20.0
PCB-1268 Peak 2	Lin1		0.1529		0.498	0.500	-0.3	20.0
PCB-1268 Peak 3	Lin1		0.1304		0.502	0.500	0.5	20.0
PCB-1268 Peak 4	Lin1		0.0555		0.520	0.500	4.0	20.0
PCB-1268 Peak 5	Lin1		0.4030		0.495	0.500	-1.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248277/5 Calibration Date: 09/24/2016 12:20

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 20:12

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 21:47

Lab File ID: P100924005.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	4.61	4.59	4.62
PCB-1242 Peak 2	5.07	5.05	5.09
PCB-1242 Peak 3	5.67	5.65	5.68
PCB-1242 Peak 4	5.83	5.81	5.85
PCB-1242 Peak 5	6.35	6.33	6.37
PCB-1268 Peak 1	9.62	9.60	9.63
PCB-1268 Peak 2	9.66	9.64	9.68
PCB-1268 Peak 3	9.88	9.86	9.90
PCB-1268 Peak 4	10.29	10.27	10.30
PCB-1268 Peak 5	10.59	10.57	10.61

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248277/7 Calibration Date: 09/24/2016 12:58

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 23:59

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/21/2016 01:34

Lab File ID: P100924007.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0098		0.504	0.500	0.7	20.0
PCB-1221 Peak 2	Lin1		0.0064		0.513	0.500	2.5	20.0
PCB-1221 Peak 3	Lin1		0.0241		0.520	0.500	4.0	20.0
PCB-1254 Peak 1	Lin1		0.0306		0.492	0.500	-1.5	20.0
PCB-1254 Peak 2	Lin1		0.0420		0.487	0.500	-2.6	20.0
PCB-1254 Peak 3	Lin1		0.0585		0.476	0.500	-4.9	20.0
PCB-1254 Peak 4	Lin1		0.0508		0.509	0.500	1.8	20.0
PCB-1254 Peak 5	Lin1		0.0627		0.504	0.500	0.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248277/7 Calibration Date: 09/24/2016 12:58

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 23:59

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/21/2016 01:34

Lab File ID: P100924007.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	4.36	4.34	4.38
PCB-1221 Peak 2	4.55	4.54	4.57
PCB-1221 Peak 3	4.61	4.59	4.63
PCB-1254 Peak 1	6.81	6.79	6.83
PCB-1254 Peak 2	7.13	7.12	7.15
PCB-1254 Peak 3	7.60	7.58	7.62
PCB-1254 Peak 4	7.93	7.91	7.95
PCB-1254 Peak 5	8.47	8.45	8.49

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248277/9 Calibration Date: 09/24/2016 14:19

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 22:06

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 23:40

Lab File ID: P100924009.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1		0.0137		0.504	0.500	0.8	20.0
PCB-1248 Peak 2	Lin1		0.0380		0.517	0.500	3.4	20.0
PCB-1248 Peak 3	Lin1		0.0382		0.504	0.500	0.9	20.0
PCB-1248 Peak 4	Lin1		0.0288		0.509	0.500	1.8	20.0
PCB-1248 Peak 5	Lin1		0.0186		0.501	0.500	0.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248277/9 Calibration Date: 09/24/2016 14:19

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 22:06

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 23:40

Lab File ID: P100924009.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	5.08	5.06	5.10
PCB-1248 Peak 2	5.67	5.65	5.69
PCB-1248 Peak 3	6.35	6.34	6.37
PCB-1248 Peak 4	7.14	7.12	7.16
PCB-1248 Peak 5	7.61	7.59	7.63

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCVIS 240-248277/29 Calibration Date: 09/24/2016 20:37

Instrument ID: A2HP10 Calib Start Date: 09/21/2016 01:53

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/21/2016 03:28

Lab File ID: P100924029.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		0.0166		0.487	0.500	-2.7	20.0
PCB-1016 Peak 2	Lin1		0.0286		0.488	0.500	-2.4	20.0
PCB-1016 Peak 3	Lin1		0.0659		0.469	0.500	-6.3	20.0
PCB-1016 Peak 4	Lin1		0.0288		0.485	0.500	-3.1	20.0
PCB-1016 Peak 5	Lin1		0.0284		0.471	0.500	-5.9	20.0
PCB-1260 Peak 1	Lin1		0.0386		0.454	0.500	-9.3	20.0
PCB-1260 Peak 2	Lin1		0.0718		0.458	0.500	-8.3	20.0
PCB-1260 Peak 3	Lin1		0.0710		0.457	0.500	-8.5	20.0
PCB-1260 Peak 4	Lin1		0.1041		0.481	0.500	-3.9	20.0
PCB-1260 Peak 5	Lin1		0.0441		0.466	0.500	-6.7	20.0
Tetrachloro-m-xylene	Ave	1.118	0.9695		0.0217	0.0250	-13.3	20.0
DCB Decachlorobiphenyl	Ave	0.9776	0.6865		0.0176	0.0250	-29.8*	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCVIS 240-248277/29 Calibration Date: 09/24/2016 20:37

Instrument ID: A2HP10 Calib Start Date: 09/21/2016 01:53

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/21/2016 03:28

Lab File ID: P100924029.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.61	4.59	4.63
PCB-1016 Peak 2	5.07	5.05	5.09
PCB-1016 Peak 3	5.67	5.65	5.68
PCB-1016 Peak 4	5.83	5.81	5.85
PCB-1016 Peak 5	6.35	6.33	6.37
PCB-1260 Peak 1	7.82	7.80	7.84
PCB-1260 Peak 2	8.15	8.13	8.17
PCB-1260 Peak 3	8.47	8.45	8.49
PCB-1260 Peak 4	9.25	9.23	9.27
PCB-1260 Peak 5	9.57	9.55	9.59
Tetrachloro-m-xylene	4.10	4.08	4.11
DCB Decachlorobiphenyl	10.78	10.76	10.80

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249387/3 Calibration Date: 10/02/2016 09:32

Instrument ID: A2HP10 Calib Start Date: 09/21/2016 01:53

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/21/2016 03:28

Lab File ID: P100102003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		0.0169		0.517	0.500	3.5	20.0
PCB-1016 Peak 2	Ave	0.0381	0.0369		0.484	0.500	-3.2	20.0
PCB-1016 Peak 3	Lin1		0.0740		0.510	0.500	2.1	20.0
PCB-1016 Peak 4	Lin1		0.0318		0.522	0.500	4.4	20.0
PCB-1016 Peak 5	Lin1		0.0238		0.516	0.500	3.3	20.0
PCB-1260 Peak 1	Lin1		0.0464		0.512	0.500	2.4	20.0
PCB-1260 Peak 2	Lin1		0.0518		0.501	0.500	0.2	20.0
PCB-1260 Peak 3	Lin1		0.0760		0.508	0.500	1.6	20.0
PCB-1260 Peak 4	Lin1		0.0977		0.500	0.500	0.0	20.0
PCB-1260 Peak 5	Lin1		0.0692		0.503	0.500	0.7	20.0
Tetrachloro-m-xylene	Ave	1.098	1.025		0.0233	0.0250	-6.7	20.0
DCB Decachlorobiphenyl	Ave	0.9714	0.9050		0.0233	0.0250	-6.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249387/3 Calibration Date: 10/02/2016 09:32

Instrument ID: A2HP10 Calib Start Date: 09/21/2016 01:53

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/21/2016 03:28

Lab File ID: P100102003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	5.41	5.39	5.43
PCB-1016 Peak 2	5.96	5.94	5.98
PCB-1016 Peak 3	6.55	6.53	6.57
PCB-1016 Peak 4	6.73	6.71	6.74
PCB-1016 Peak 5	7.31	7.30	7.33
PCB-1260 Peak 1	8.84	8.82	8.86
PCB-1260 Peak 2	9.10	9.08	9.11
PCB-1260 Peak 3	9.50	9.49	9.52
PCB-1260 Peak 4	10.25	10.23	10.27
PCB-1260 Peak 5	10.64	10.62	10.66
Tetrachloro-m-xylene	4.68	4.66	4.70
DCB Decachlorobiphenyl	11.76	11.74	11.78

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249387/4 Calibration Date: 10/02/2016 09:51

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 18:18

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 19:53

Lab File ID: P100102004.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		0.0201		0.529	0.500	5.9	20.0
PCB-1232 Peak 2	Lin1		0.0170		0.518	0.500	3.5	20.0
PCB-1232 Peak 3	Lin1		0.0338		0.498	0.500	-0.4	20.0
PCB-1232 Peak 4	Lin1		0.0148		0.503	0.500	0.6	20.0
PCB-1232 Peak 5	Lin1		0.0105		0.507	0.500	1.3	20.0
PCB-1262 Peak 1	Lin1		0.0378		0.503	0.500	0.6	20.0
PCB-1262 Peak 2	Lin1		0.0607		0.507	0.500	1.3	20.0
PCB-1262 Peak 3	Lin1		0.0535		0.499	0.500	-0.3	20.0
PCB-1262 Peak 4	Lin1		0.1174		0.501	0.500	0.3	20.0
PCB-1262 Peak 5	Lin1		0.0820		0.491	0.500	-1.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249387/4 Calibration Date: 10/02/2016 09:51

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 18:18

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 19:53

Lab File ID: P100102004.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	5.41	5.39	5.43
PCB-1232 Peak 2	5.96	5.94	5.98
PCB-1232 Peak 3	6.55	6.53	6.57
PCB-1232 Peak 4	6.73	6.71	6.74
PCB-1232 Peak 5	7.31	7.29	7.33
PCB-1262 Peak 1	8.84	8.82	8.86
PCB-1262 Peak 2	9.61	9.59	9.63
PCB-1262 Peak 3	9.96	9.94	9.97
PCB-1262 Peak 4	10.25	10.23	10.27
PCB-1262 Peak 5	10.64	10.62	10.66

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249387/5 Calibration Date: 10/02/2016 10:10

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 20:12

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 21:47

Lab File ID: P100102005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		0.0152		0.544	0.500	8.9	20.0
PCB-1242 Peak 2	Lin1		0.0332		0.572	0.500	14.4	20.0
PCB-1242 Peak 3	Lin1		0.0654		0.540	0.500	7.9	20.0
PCB-1242 Peak 4	Lin1		0.0281		0.550	0.500	10.1	20.0
PCB-1242 Peak 5	Lin1		0.0215		0.547	0.500	9.4	20.0
PCB-1268 Peak 1	Lin1		0.1531		0.531	0.500	6.2	20.0
PCB-1268 Peak 2	Lin1		0.1513		0.535	0.500	6.9	20.0
PCB-1268 Peak 3	Lin1		0.1286		0.533	0.500	6.6	20.0
PCB-1268 Peak 4	Lin1		0.0527		0.531	0.500	6.3	20.0
PCB-1268 Peak 5	Lin1		0.4005		0.518	0.500	3.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249387/5 Calibration Date: 10/02/2016 10:10

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 20:12

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 21:47

Lab File ID: P100102005.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	5.41	5.39	5.43
PCB-1242 Peak 2	5.96	5.94	5.98
PCB-1242 Peak 3	6.55	6.53	6.57
PCB-1242 Peak 4	6.72	6.70	6.74
PCB-1242 Peak 5	7.31	7.29	7.33
PCB-1268 Peak 1	10.63	10.62	10.65
PCB-1268 Peak 2	10.68	10.66	10.70
PCB-1268 Peak 3	10.94	10.92	10.96
PCB-1268 Peak 4	11.22	11.20	11.24
PCB-1268 Peak 5	11.53	11.51	11.55

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249387/6 Calibration Date: 10/02/2016 10:29

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 22:06

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 23:40

Lab File ID: P100102006.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1		0.0152		0.494	0.500	-1.1	20.0
PCB-1248 Peak 2	Lin1		0.0382		0.487	0.500	-2.6	20.0
PCB-1248 Peak 3	Lin1		0.0290		0.484	0.500	-3.2	20.0
PCB-1248 Peak 4	Lin1		0.0366		0.490	0.500	-2.0	20.0
PCB-1248 Peak 5	Lin1		0.0196		0.502	0.500	0.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249387/6 Calibration Date: 10/02/2016 10:29

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 22:06

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/20/2016 23:40

Lab File ID: P100102006.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	5.96	5.94	5.98
PCB-1248 Peak 2	6.55	6.53	6.57
PCB-1248 Peak 3	7.31	7.30	7.33
PCB-1248 Peak 4	7.83	7.82	7.85
PCB-1248 Peak 5	8.61	8.59	8.63

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249387/7 Calibration Date: 10/02/2016 10:48

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 23:59

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/21/2016 01:34

Lab File ID: P100102007.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0104		0.520	0.500	4.0	20.0
PCB-1221 Peak 2	Lin1		0.0069		0.535	0.500	7.0	20.0
PCB-1221 Peak 3	Lin1		0.0252		0.547	0.500	9.3	20.0
PCB-1254 Peak 1	Lin1		0.0375		0.501	0.500	0.2	20.0
PCB-1254 Peak 2	Lin1		0.0405		0.499	0.500	-0.2	20.0
PCB-1254 Peak 3	Lin1		0.0632		0.501	0.500	0.2	20.0
PCB-1254 Peak 4	Lin1		0.0418		0.505	0.500	1.0	20.0
PCB-1254 Peak 5	Lin1		0.0600		0.509	0.500	1.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249387/7 Calibration Date: 10/02/2016 10:48

Instrument ID: A2HP10 Calib Start Date: 09/20/2016 23:59

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/21/2016 01:34

Lab File ID: P100102007.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	5.13	5.11	5.15
PCB-1221 Peak 2	5.33	5.31	5.35
PCB-1221 Peak 3	5.41	5.39	5.43
PCB-1254 Peak 1	7.82	7.81	7.84
PCB-1254 Peak 2	8.06	8.05	8.08
PCB-1254 Peak 3	8.61	8.59	8.62
PCB-1254 Peak 4	8.88	8.86	8.90
PCB-1254 Peak 5	9.51	9.49	9.52

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-242577/34 Calibration Date: 08/15/2016 20:31

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 16:52

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 18:24

Lab File ID: P110815034.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0074		0.806	1.00	-19.4	20.0
PCB-1221 Peak 2	Lin1		0.0057		0.948	1.00	-5.2	20.0
PCB-1221 Peak 3	Lin1		0.0230		0.994	1.00	-0.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-242577/34 Calibration Date: 08/15/2016 20:31

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 16:52

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 18:24

Lab File ID: P110815034.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	5.47	5.44	5.48
PCB-1221 Peak 2	5.65	5.63	5.67
PCB-1221 Peak 3	5.73	5.71	5.75

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-242577/35 Calibration Date: 08/15/2016 20:49

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 11:24

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 12:55

Lab File ID: P110815035.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		0.0178		0.852	1.00	-14.8	20.0
PCB-1232 Peak 2	Lin1		0.0145		0.885	1.00	-11.5	20.0
PCB-1232 Peak 3	Lin1		0.0331		0.902	1.00	-9.8	20.0
PCB-1232 Peak 4	Lin1		0.0131		0.847	1.00	-15.3	20.0
PCB-1232 Peak 5	Lin1		0.0056		0.887	1.00	-11.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-242577/35 Calibration Date: 08/15/2016 20:49

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 11:24

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 12:55

Lab File ID: P110815035.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	5.73	5.71	5.75
PCB-1232 Peak 2	6.26	6.24	6.28
PCB-1232 Peak 3	6.84	6.81	6.85
PCB-1232 Peak 4	7.00	6.98	7.02
PCB-1232 Peak 5	7.26	7.25	7.28

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-242577/36 Calibration Date: 08/15/2016 21:08

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 13:13

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 14:45

Lab File ID: P110815036.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		0.0137		0.992	1.00	-0.8	20.0
PCB-1242 Peak 2	Lin1		0.0268		1.04	1.00	4.1	20.0
PCB-1242 Peak 3	Lin1		0.0627		0.995	1.00	-0.5	20.0
PCB-1242 Peak 4	Lin1		0.0254		0.985	1.00	-1.5	20.0
PCB-1242 Peak 5	Lin1		0.0205		1.03	1.00	3.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-242577/36 Calibration Date: 08/15/2016 21:08

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 13:13

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 14:45

Lab File ID: P110815036.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	5.73	5.71	5.75
PCB-1242 Peak 2	6.26	6.24	6.28
PCB-1242 Peak 3	6.83	6.82	6.85
PCB-1242 Peak 4	7.00	6.98	7.02
PCB-1242 Peak 5	7.58	7.56	7.60

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-242577/37 Calibration Date: 08/15/2016 21:26

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 15:03

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 16:34

Lab File ID: P110815037.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1		0.0126		0.939	1.00	-6.1	20.0
PCB-1248 Peak 2	Lin1		0.0389		0.976	1.00	-2.4	20.0
PCB-1248 Peak 3	Lin1		0.0306		1.00	1.00	0.2	20.0
PCB-1248 Peak 4	Lin1		0.0410		1.06	1.00	6.0	20.0
PCB-1248 Peak 5	Lin1		0.0222		1.06	1.00	6.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-242577/37 Calibration Date: 08/15/2016 21:26

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 15:03

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 16:34

Lab File ID: P110815037.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	6.26	6.24	6.28
PCB-1248 Peak 2	6.83	6.81	6.85
PCB-1248 Peak 3	7.58	7.56	7.60
PCB-1248 Peak 4	8.09	8.07	8.11
PCB-1248 Peak 5	8.86	8.84	8.88

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-242577/38 Calibration Date: 08/15/2016 21:44

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 16:52

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 18:24

Lab File ID: P110815038.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1254 Peak 1	Lin1		0.0325		0.921	1.00	-7.9	20.0
PCB-1254 Peak 2	Lin1		0.0392		0.933	1.00	-6.7	20.0
PCB-1254 Peak 3	Lin1		0.0615		0.931	1.00	-6.9	20.0
PCB-1254 Peak 4	Lin1		0.0442		0.939	1.00	-6.1	20.0
PCB-1254 Peak 5	Lin1		0.0659		1.01	1.00	1.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-242577/38 Calibration Date: 08/15/2016 21:44

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 16:52

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 18:24

Lab File ID: P110815038.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1254 Peak 1	8.09	8.07	8.11
PCB-1254 Peak 2	8.32	8.30	8.34
PCB-1254 Peak 3	8.86	8.84	8.88
PCB-1254 Peak 4	9.13	9.11	9.15
PCB-1254 Peak 5	9.75	9.73	9.77

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-242577/39 Calibration Date: 08/15/2016 22:03

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 18:42

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 20:13

Lab File ID: P110815039.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		0.0148		0.916	1.00	-8.4	20.0
PCB-1016 Peak 2	Lin1		0.0284		0.940	1.00	-6.0	20.0
PCB-1016 Peak 3	Lin1		0.0702		0.931	1.00	-6.9	20.0
PCB-1016 Peak 4	Lin1		0.0268		0.892	1.00	-10.8	20.0
PCB-1016 Peak 5	Lin1		0.0212		0.906	1.00	-9.4	20.0
PCB-1260 Peak 1	Lin1		0.0398		0.840	1.00	-16.0	20.0
PCB-1260 Peak 2	Lin1		0.0481		0.878	1.00	-12.2	20.0
PCB-1260 Peak 3	Lin1		0.0678		0.831	1.00	-16.9	20.0
PCB-1260 Peak 4	Lin1		0.1021		0.957	1.00	-4.3	20.0
PCB-1260 Peak 5	Lin1		0.0679		0.934	1.00	-6.6	20.0
Tetrachloro-m-xylene	Ave	1.074	1.019		0.0475	0.0500	-5.1	20.0
DCB Decachlorobiphenyl	Ave	0.8779	0.8192		0.0467	0.0500	-6.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-242577/39 Calibration Date: 08/15/2016 22:03

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 18:42

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 20:13

Lab File ID: P110815039.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	5.73	5.71	5.75
PCB-1016 Peak 2	6.26	6.24	6.28
PCB-1016 Peak 3	6.83	6.82	6.85
PCB-1016 Peak 4	7.00	6.98	7.02
PCB-1016 Peak 5	7.58	7.56	7.60
PCB-1260 Peak 1	9.09	9.07	9.11
PCB-1260 Peak 2	9.34	9.32	9.36
PCB-1260 Peak 3	9.75	9.73	9.77
PCB-1260 Peak 4	10.49	10.47	10.51
PCB-1260 Peak 5	10.87	10.85	10.89
Tetrachloro-m-xylene	5.03	5.01	5.05
DCB Decachlorobiphenyl	11.97	11.95	11.99

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-242577/40 Calibration Date: 08/15/2016 22:21

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 11:24

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 12:55

Lab File ID: P110815040.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1262 Peak 1	Lin1		0.0408		0.906	1.00	-9.4	20.0
PCB-1262 Peak 2	Lin1		0.0625		0.910	1.00	-9.0	20.0
PCB-1262 Peak 3	Lin1		0.0545		0.861	1.00	-13.9	20.0
PCB-1262 Peak 4	Lin1		0.1258		0.911	1.00	-8.9	20.0
PCB-1262 Peak 5	Lin1		0.0867		0.910	1.00	-9.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-242577/40 Calibration Date: 08/15/2016 22:21

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 11:24

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 12:55

Lab File ID: P110815040.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1262 Peak 1	9.34	9.32	9.36
PCB-1262 Peak 2	9.86	9.84	9.88
PCB-1262 Peak 3	10.20	10.18	10.22
PCB-1262 Peak 4	10.49	10.47	10.51
PCB-1262 Peak 5	10.87	10.85	10.89

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-242577/41 Calibration Date: 08/15/2016 22:39

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 13:13

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 14:45

Lab File ID: P110815041.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1268 Peak 1	Lin1		0.1521		1.00	1.00	0.3	20.0
PCB-1268 Peak 2	Lin1		0.1462		0.998	1.00	-0.2	20.0
PCB-1268 Peak 3	Lin1		0.1245		1.01	1.00	1.2	20.0
PCB-1268 Peak 4	Lin1		0.0498		1.01	1.00	0.6	20.0
PCB-1268 Peak 5	Lin1		0.4226		1.02	1.00	2.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-242577/41 Calibration Date: 08/15/2016 22:39

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 13:13

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 14:45

Lab File ID: P110815041.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1268 Peak 1	10.86	10.84	10.88
PCB-1268 Peak 2	10.91	10.89	10.93
PCB-1268 Peak 3	11.16	11.14	11.18
PCB-1268 Peak 4	11.44	11.42	11.46
PCB-1268 Peak 5	11.74	11.72	11.76

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248278/3 Calibration Date: 09/24/2016 11:38

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 18:42

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 20:13

Lab File ID: P110924003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		0.0165		0.503	0.500	0.5	20.0
PCB-1016 Peak 2	Lin1		0.0304		0.497	0.500	-0.7	20.0
PCB-1016 Peak 3	Lin1		0.0727		0.481	0.500	-3.8	20.0
PCB-1016 Peak 4	Lin1		0.0292		0.483	0.500	-3.5	20.0
PCB-1016 Peak 5	Lin1		0.0226		0.472	0.500	-5.6	20.0
PCB-1260 Peak 1	Lin1		0.0448		0.471	0.500	-5.7	20.0
PCB-1260 Peak 2	Lin1		0.0519		0.472	0.500	-5.5	20.0
PCB-1260 Peak 3	Lin1		0.0751		0.460	0.500	-8.0	20.0
PCB-1260 Peak 4	Lin1		0.0934		0.440	0.500	-11.9	20.0
PCB-1260 Peak 5	Lin1		0.0633		0.436	0.500	-12.7	20.0
Tetrachloro-m-xylene	Ave	1.074	1.047		0.0244	0.0250	-2.5	20.0
DCB Decachlorobiphenyl	Ave	0.8779	0.7469		0.0213	0.0250	-14.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248278/3 Calibration Date: 09/24/2016 11:38

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 18:42

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 20:13

Lab File ID: P110924003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	5.71	5.69	5.72
PCB-1016 Peak 2	6.24	6.22	6.26
PCB-1016 Peak 3	6.81	6.79	6.83
PCB-1016 Peak 4	6.98	6.96	6.99
PCB-1016 Peak 5	7.55	7.53	7.57
PCB-1260 Peak 1	9.06	9.04	9.08
PCB-1260 Peak 2	9.31	9.29	9.32
PCB-1260 Peak 3	9.72	9.70	9.73
PCB-1260 Peak 4	10.45	10.43	10.47
PCB-1260 Peak 5	10.83	10.82	10.85
Tetrachloro-m-xylene	5.02	5.00	5.04
DCB Decachlorobiphenyl	11.93	11.91	11.95

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248278/4 Calibration Date: 09/24/2016 11:56

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 11:24

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 12:55

Lab File ID: P110924004.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		0.0208		0.493	0.500	-1.5	20.0
PCB-1232 Peak 2	Lin1		0.0160		0.484	0.500	-3.1	20.0
PCB-1232 Peak 3	Lin1		0.0348		0.474	0.500	-5.2	20.0
PCB-1232 Peak 4	Lin1		0.0145		0.467	0.500	-6.5	20.0
PCB-1232 Peak 5	Lin1		0.0061		0.488	0.500	-2.5	20.0
PCB-1262 Peak 1	Lin1		0.0416		0.461	0.500	-7.8	20.0
PCB-1262 Peak 2	Lin1		0.0618		0.451	0.500	-9.8	20.0
PCB-1262 Peak 3	Lin1		0.0548		0.434	0.500	-13.1	20.0
PCB-1262 Peak 4	Lin1		0.1175		0.430	0.500	-14.0	20.0
PCB-1262 Peak 5	Lin1		0.0813		0.430	0.500	-14.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248278/4 Calibration Date: 09/24/2016 11:56

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 11:24

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 12:55

Lab File ID: P110924004.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	5.71	5.69	5.72
PCB-1232 Peak 2	6.24	6.22	6.26
PCB-1232 Peak 3	6.81	6.79	6.83
PCB-1232 Peak 4	6.98	6.96	6.99
PCB-1232 Peak 5	7.23	7.22	7.25
PCB-1262 Peak 1	9.31	9.29	9.33
PCB-1262 Peak 2	9.82	9.81	9.84
PCB-1262 Peak 3	10.17	10.15	10.19
PCB-1262 Peak 4	10.45	10.43	10.47
PCB-1262 Peak 5	10.83	10.81	10.85

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248278/5 Calibration Date: 09/24/2016 12:14

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 13:13

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 14:45

Lab File ID: P110924005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		0.0149		0.530	0.500	5.9	20.0
PCB-1242 Peak 2	Lin1		0.0272		0.515	0.500	3.0	20.0
PCB-1242 Peak 3	Lin1		0.0639		0.503	0.500	0.6	20.0
PCB-1242 Peak 4	Lin1		0.0261		0.500	0.500	-0.0	20.0
PCB-1242 Peak 5	Lin1		0.0205		0.492	0.500	-1.6	20.0
PCB-1268 Peak 1	Lin1		0.1416		0.466	0.500	-6.8	20.0
PCB-1268 Peak 2	Lin1		0.1375		0.467	0.500	-6.6	20.0
PCB-1268 Peak 3	Lin1		0.1166		0.473	0.500	-5.5	20.0
PCB-1268 Peak 4	Lin1		0.0449		0.450	0.500	-10.1	20.0
PCB-1268 Peak 5	Lin1		0.3547		0.432	0.500	-13.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248278/5 Calibration Date: 09/24/2016 12:14

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 13:13

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 14:45

Lab File ID: P110924005.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	5.70	5.69	5.72
PCB-1242 Peak 2	6.24	6.22	6.25
PCB-1242 Peak 3	6.81	6.79	6.83
PCB-1242 Peak 4	6.97	6.96	6.99
PCB-1242 Peak 5	7.55	7.53	7.57
PCB-1268 Peak 1	10.83	10.81	10.85
PCB-1268 Peak 2	10.88	10.86	10.89
PCB-1268 Peak 3	11.13	11.11	11.14
PCB-1268 Peak 4	11.41	11.39	11.42
PCB-1268 Peak 5	11.71	11.69	11.72

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248278/6 Calibration Date: 09/24/2016 12:32

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 15:03

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 16:34

Lab File ID: P110924006.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1		0.0147		0.537	0.500	7.4	20.0
PCB-1248 Peak 2	Lin1		0.0409		0.509	0.500	1.7	20.0
PCB-1248 Peak 3	Lin1		0.0316		0.502	0.500	0.3	20.0
PCB-1248 Peak 4	Lin1		0.0398		0.510	0.500	2.1	20.0
PCB-1248 Peak 5	Lin1		0.0202		0.479	0.500	-4.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248278/6 Calibration Date: 09/24/2016 12:32

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 15:03

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 16:34

Lab File ID: P110924006.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	6.24	6.22	6.25
PCB-1248 Peak 2	6.80	6.78	6.82
PCB-1248 Peak 3	7.55	7.53	7.57
PCB-1248 Peak 4	8.06	8.04	8.08
PCB-1248 Peak 5	8.83	8.81	8.85

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248278/7 Calibration Date: 09/24/2016 12:50

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 16:52

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 18:24

Lab File ID: P110924007.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0100		0.537	0.500	7.4	20.0
PCB-1221 Peak 2	Lin1		0.0066		0.541	0.500	8.3	20.0
PCB-1221 Peak 3	Lin1		0.0257		0.547	0.500	9.4	20.0
PCB-1254 Peak 1	Lin1		0.0381		0.536	0.500	7.3	20.0
PCB-1254 Peak 2	Lin1		0.0434		0.514	0.500	2.7	20.0
PCB-1254 Peak 3	Lin1		0.0710		0.536	0.500	7.2	20.0
PCB-1254 Peak 4	Lin1		0.0465		0.492	0.500	-1.6	20.0
PCB-1254 Peak 5	Lin1		0.0642		0.492	0.500	-1.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248278/7 Calibration Date: 09/24/2016 12:50

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 16:52

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 18:24

Lab File ID: P110924007.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	5.44	5.42	5.46
PCB-1221 Peak 2	5.63	5.61	5.65
PCB-1221 Peak 3	5.71	5.69	5.72
PCB-1254 Peak 1	8.06	8.04	8.08
PCB-1254 Peak 2	8.29	8.27	8.31
PCB-1254 Peak 3	8.83	8.81	8.85
PCB-1254 Peak 4	9.10	9.08	9.12
PCB-1254 Peak 5	9.72	9.70	9.74

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCVIS 240-248278/29 Calibration Date: 09/24/2016 20:29

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 18:42

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 20:13

Lab File ID: P110924029.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		0.0157		0.477	0.500	-4.5	20.0
PCB-1016 Peak 2	Lin1		0.0285		0.465	0.500	-6.9	20.0
PCB-1016 Peak 3	Lin1		0.0699		0.463	0.500	-7.5	20.0
PCB-1016 Peak 4	Lin1		0.0278		0.460	0.500	-8.0	20.0
PCB-1016 Peak 5	Lin1		0.0222		0.463	0.500	-7.4	20.0
PCB-1260 Peak 1	Lin1		0.0423		0.445	0.500	-11.1	20.0
PCB-1260 Peak 2	Lin1		0.0492		0.448	0.500	-10.3	20.0
PCB-1260 Peak 3	Lin1		0.0722		0.443	0.500	-11.5	20.0
PCB-1260 Peak 4	Lin1		0.0894		0.422	0.500	-15.7	20.0
PCB-1260 Peak 5	Lin1		0.0615		0.424	0.500	-15.3	20.0
Tetrachloro-m-xylene	Ave	1.074	0.997		0.0232	0.0250	-7.1	20.0
DCB Decachlorobiphenyl	Ave	0.8779	0.7460		0.0212	0.0250	-15.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCVIS 240-248278/29 Calibration Date: 09/24/2016 20:29

Instrument ID: A2HP11 Calib Start Date: 08/15/2016 18:42

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 08/15/2016 20:13

Lab File ID: P110924029.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	5.71	5.69	5.72
PCB-1016 Peak 2	6.24	6.22	6.26
PCB-1016 Peak 3	6.81	6.79	6.83
PCB-1016 Peak 4	6.97	6.96	6.99
PCB-1016 Peak 5	7.55	7.53	7.57
PCB-1260 Peak 1	9.06	9.04	9.08
PCB-1260 Peak 2	9.31	9.29	9.32
PCB-1260 Peak 3	9.71	9.70	9.73
PCB-1260 Peak 4	10.45	10.43	10.47
PCB-1260 Peak 5	10.83	10.81	10.85
Tetrachloro-m-xylene	5.02	5.00	5.04
DCB Decachlorobiphenyl	11.93	11.91	11.95

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/34 Calibration Date: 09/05/2016 20:54

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 17:23

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 18:51

Lab File ID: P120905034.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0094		1.08	1.00	8.2	20.0
PCB-1221 Peak 2	Lin1		0.0046		0.797	1.00	-20.3*	20.0
PCB-1221 Peak 3	Lin1		0.0204		0.923	1.00	-7.7	20.0

Average %D < 20%

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/34 Calibration Date: 09/05/2016 20:54

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 17:23

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 18:51

Lab File ID: P120905034.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	4.47	4.44	4.48
PCB-1221 Peak 2	4.68	4.66	4.69
PCB-1221 Peak 3	4.73	4.71	4.75

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/34 Calibration Date: 09/05/2016 20:54

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 17:23

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 18:51

Lab File ID: P120905034.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0084		0.776	1.00	-22.4*	20.0
PCB-1221 Peak 2	Lin1		0.0066		0.955	1.00	-4.5	20.0
PCB-1221 Peak 3	Lin1		0.0260		1.02	1.00	1.8	20.0

Average %D < 20% ✓

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/34 Calibration Date: 09/05/2016 20:54

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 17:23

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 18:51

Lab File ID: P120905034.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	5.51	5.49	5.52
PCB-1221 Peak 2	5.72	5.70	5.74
PCB-1221 Peak 3	5.80	5.78	5.82

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/35 Calibration Date: 09/05/2016 21:12

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 12:05

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 13:33

Lab File ID: P120905035.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		0.0160		0.848	1.00	-15.2	20.0
PCB-1232 Peak 2	Lin1		0.0146		0.976	1.00	-2.4	20.0
PCB-1232 Peak 3	Lin1		0.0347		0.989	1.00	-1.1	20.0
PCB-1232 Peak 4	Lin1		0.0136		1.00	1.00	0.4	20.0
PCB-1232 Peak 5	Lin1		0.0130		1.07	1.00	6.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/35 Calibration Date: 09/05/2016 21:12

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 12:05

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 13:33

Lab File ID: P120905035.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	4.73	4.71	4.75
PCB-1232 Peak 2	5.23	5.21	5.25
PCB-1232 Peak 3	5.85	5.83	5.87
PCB-1232 Peak 4	6.02	6.00	6.04
PCB-1232 Peak 5	6.55	6.53	6.57

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/35 Calibration Date: 09/05/2016 21:12

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 12:05

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 13:33

Lab File ID: P120905035.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		0.0205		1.02	1.00	1.8	20.0
PCB-1232 Peak 2	Lin1		0.0186		1.06	1.00	6.1	20.0
PCB-1232 Peak 3	Lin1		0.0387		1.06	1.00	5.5	20.0
PCB-1232 Peak 4	Lin1		0.0153		1.02	1.00	1.8	20.0
PCB-1232 Peak 5	Lin1		0.0120		1.09	1.00	9.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/35 Calibration Date: 09/05/2016 21:12

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 12:05

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 13:33

Lab File ID: P120905035.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	5.80	5.78	5.82
PCB-1232 Peak 2	6.38	6.37	6.40
PCB-1232 Peak 3	7.00	6.98	7.02
PCB-1232 Peak 4	7.17	7.16	7.19
PCB-1232 Peak 5	7.78	7.76	7.80

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/36 Calibration Date: 09/05/2016 21:29

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 13:51

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 15:19

Lab File ID: P120905036.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		0.0109		0.851	1.00	-14.9	20.0
PCB-1242 Peak 2	Lin1		0.0246		0.940	1.00	-6.0	20.0
PCB-1242 Peak 3	Lin1		0.0599		0.951	1.00	-4.9	20.0
PCB-1242 Peak 4	Lin1		0.0235		0.957	1.00	-4.3	20.0
PCB-1242 Peak 5	Lin1		0.0244		0.982	1.00	-1.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/36 Calibration Date: 09/05/2016 21:29

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 13:51

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 15:19

Lab File ID: P120905036.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	4.73	4.71	4.75
PCB-1242 Peak 2	5.23	5.21	5.25
PCB-1242 Peak 3	5.85	5.83	5.87
PCB-1242 Peak 4	6.02	6.00	6.04
PCB-1242 Peak 5	6.55	6.53	6.57

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/36 Calibration Date: 09/05/2016 21:29

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 13:51

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 15:19

Lab File ID: P120905036.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		0.0148		1.05	1.00	5.3	20.0
PCB-1242 Peak 2	Lin1		0.0293		1.01	1.00	0.9	20.0
PCB-1242 Peak 3	Lin1		0.0647		1.00	1.00	0.1	20.0
PCB-1242 Peak 4	Lin1		0.0255		1.00	1.00	0.0	20.0
PCB-1242 Peak 5	Lin1		0.0215		1.02	1.00	1.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/36 Calibration Date: 09/05/2016 21:29

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 13:51

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 15:19

Lab File ID: P120905036.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	5.80	5.78	5.82
PCB-1242 Peak 2	6.38	6.37	6.40
PCB-1242 Peak 3	7.00	6.98	7.02
PCB-1242 Peak 4	7.17	7.16	7.20
PCB-1242 Peak 5	7.78	7.76	7.80

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/37 Calibration Date: 09/05/2016 21:47

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 15:37

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 17:05

Lab File ID: P120905037.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1		0.0121		0.902	1.00	-9.8	20.0
PCB-1248 Peak 2	Lin1		0.0410		1.08	1.00	7.7	20.0
PCB-1248 Peak 3	Lin1		0.0431		1.09	1.00	9.4	20.0
PCB-1248 Peak 4	Lin1		0.0328		1.09	1.00	9.3	20.0
PCB-1248 Peak 5	Lin1		0.0211		1.10	1.00	10.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/37 Calibration Date: 09/05/2016 21:47

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 15:37

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 17:05

Lab File ID: P120905037.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	5.23	5.21	5.25
PCB-1248 Peak 2	6.55	6.53	6.57
PCB-1248 Peak 3	7.08	7.06	7.10
PCB-1248 Peak 4	7.34	7.32	7.36
PCB-1248 Peak 5	7.82	7.80	7.84

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/37 Calibration Date: 09/05/2016 21:47

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 15:37

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 17:05

Lab File ID: P120905037.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1		0.0162		0.928	1.00	-7.2	20.0
PCB-1248 Peak 2	Lin1		0.0451		0.959	1.00	-4.1	20.0
PCB-1248 Peak 3	Lin1		0.0353		0.977	1.00	-2.3	20.0
PCB-1248 Peak 4	Lin1		0.0464		1.03	1.00	3.1	20.0
PCB-1248 Peak 5	Lin1		0.0217		0.907	1.00	-9.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/37 Calibration Date: 09/05/2016 21:47

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 15:37

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 17:05

Lab File ID: P120905037.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	6.38	6.37	6.40
PCB-1248 Peak 2	6.99	6.97	7.01
PCB-1248 Peak 3	7.78	7.76	7.80
PCB-1248 Peak 4	8.31	8.29	8.33
PCB-1248 Peak 5	9.09	9.07	9.11

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/38 Calibration Date: 09/05/2016 22:04

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 17:23

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 18:51

Lab File ID: P120905038.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1254 Peak 1	Lin1		0.0313		0.959	1.00	-4.1	20.0
PCB-1254 Peak 2	Lin1		0.0451		0.964	1.00	-3.6	20.0
PCB-1254 Peak 3	Lin1		0.0630		0.944	1.00	-5.6	20.0
PCB-1254 Peak 4	Lin1		0.0485		0.975	1.00	-2.5	20.0
PCB-1254 Peak 5	Lin1		0.0690		1.03	1.00	2.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/38 Calibration Date: 09/05/2016 22:04

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 17:23

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 18:51

Lab File ID: P120905038.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1254 Peak 1	7.02	7.01	7.04
PCB-1254 Peak 2	7.35	7.33	7.37
PCB-1254 Peak 3	7.82	7.80	7.84
PCB-1254 Peak 4	8.15	8.13	8.17
PCB-1254 Peak 5	8.69	8.67	8.71

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/38 Calibration Date: 09/05/2016 22:04

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 17:23

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 18:51

Lab File ID: P120905038.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1254 Peak 1	Lin1		0.0376		0.924	1.00	-7.6	20.0
PCB-1254 Peak 2	Lin1		0.0444		0.948	1.00	-5.2	20.0
PCB-1254 Peak 3	Lin1		0.0544		0.807	1.00	-19.3	20.0
PCB-1254 Peak 4	Lin1		0.0334		0.681	1.00	-31.9*	20.0
PCB-1254 Peak 5	Lin1		0.0657		0.996	1.00	-0.4	20.0

Average %D < 20% ✓

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/38 Calibration Date: 09/05/2016 22:04

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 17:23

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 18:51

Lab File ID: P120905038.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1254 Peak 1	8.30	8.28	8.32
PCB-1254 Peak 2	8.54	8.52	8.56
PCB-1254 Peak 3	9.09	9.07	9.11
PCB-1254 Peak 4	9.36	9.35	9.38
PCB-1254 Peak 5	10.00	9.98	10.02

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/39 Calibration Date: 09/05/2016 22:22

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 19:08

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 20:36

Lab File ID: P120905039.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		0.0125		0.789	1.00	-21.1*	20.0
PCB-1016 Peak 2	Lin1		0.0290		0.902	1.00	-9.8	20.0
PCB-1016 Peak 3	Lin1		0.0718		0.906	1.00	-9.4	20.0
PCB-1016 Peak 4	Lin1		0.0283		0.918	1.00	-8.2	20.0
PCB-1016 Peak 5	Lin1		0.0272		0.887	1.00	-11.3	20.0
PCB-1260 Peak 1	Lin1		0.0431		0.883	1.00	-11.7	20.0
PCB-1260 Peak 2	Lin1		0.0701		0.800	1.00	-20.0	20.0
PCB-1260 Peak 3	Lin1		0.0735		0.833	1.00	-16.7	20.0
PCB-1260 Peak 4	Lin1		0.1046		0.950	1.00	-5.0	20.0
PCB-1260 Peak 5	Lin1		0.0522		0.910	1.00	-9.0	20.0
Tetrachloro-m-xylene	Ave	1.035	0.8988		0.0434	0.0500	-13.2	20.0
DCB Decachlorobiphenyl	Ave	0.9178	0.8385		0.0457	0.0500	-8.6	20.0

Average %D < 20% ✓

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/39 Calibration Date: 09/05/2016 22:22

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 19:08

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 20:36

Lab File ID: P120905039.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.73	4.71	4.75
PCB-1016 Peak 2	5.23	5.21	5.25
PCB-1016 Peak 3	5.85	5.83	5.87
PCB-1016 Peak 4	6.02	6.00	6.04
PCB-1016 Peak 5	6.55	6.53	6.57
PCB-1260 Peak 1	8.04	8.02	8.06
PCB-1260 Peak 2	8.37	8.35	8.39
PCB-1260 Peak 3	8.69	8.67	8.71
PCB-1260 Peak 4	9.47	9.45	9.49
PCB-1260 Peak 5	9.79	9.77	9.81
Tetrachloro-m-xylene	4.17	4.15	4.19
DCB Decachlorobiphenyl	10.97	10.95	10.99

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/39 Calibration Date: 09/05/2016 22:22

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 19:08

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 20:36

Lab File ID: P120905039.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		0.0174		0.970	1.00	-3.0	20.0
PCB-1016 Peak 2	Lin1		0.0345		0.929	1.00	-7.1	20.0
PCB-1016 Peak 3	Lin1		0.0783		0.932	1.00	-6.8	20.0
PCB-1016 Peak 4	Lin1		0.0323		0.956	1.00	-4.4	20.0
PCB-1016 Peak 5	Lin1		0.0250		0.928	1.00	-7.2	20.0
PCB-1260 Peak 1	Lin1		0.0333		0.629	1.00	-37.1*	20.0
PCB-1260 Peak 2	Lin1		0.0397		0.659	1.00	-34.1*	20.0
PCB-1260 Peak 3	Lin1		0.0710		0.832	1.00	-16.8	20.0
PCB-1260 Peak 4	Lin1		0.0966		0.959	1.00	-4.1	20.0
PCB-1260 Peak 5	Lin1		0.0652		0.925	1.00	-7.5	20.0
Tetrachloro-m-xylene	Ave	1.178	1.067		0.0453	0.0500	-9.4	20.0
DCB Decachlorobiphenyl	Ave	0.9255	0.8142		0.0440	0.0500	-12.0	20.0

Average %D < 20% ✓

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/39 Calibration Date: 09/05/2016 22:22

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 19:08

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 20:36

Lab File ID: P120905039.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	5.80	5.78	5.82
PCB-1016 Peak 2	6.39	6.37	6.40
PCB-1016 Peak 3	7.00	6.98	7.02
PCB-1016 Peak 4	7.17	7.16	7.19
PCB-1016 Peak 5	7.78	7.76	7.80
PCB-1260 Peak 1	9.33	9.31	9.34
PCB-1260 Peak 2	9.58	9.56	9.60
PCB-1260 Peak 3	10.00	9.98	10.02
PCB-1260 Peak 4	10.72	10.70	10.73
PCB-1260 Peak 5	11.09	11.07	11.11
Tetrachloro-m-xylene	5.02	5.00	5.03
DCB Decachlorobiphenyl	12.18	12.16	12.19

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/40 Calibration Date: 09/05/2016 22:40

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 12:05

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 13:33

Lab File ID: P120905040.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1262 Peak 1	Lin1		0.0542		0.987	1.00	-1.3	20.0
PCB-1262 Peak 2	Lin1		0.0551		0.836	1.00	-16.4	20.0
PCB-1262 Peak 3	Lin1		0.0618		0.997	1.00	-0.3	20.0
PCB-1262 Peak 4	Lin1		0.1319		0.952	1.00	-4.8	20.0
PCB-1262 Peak 5	Lin1		0.0474		0.903	1.00	-9.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/40 Calibration Date: 09/05/2016 22:40

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 12:05

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 13:33

Lab File ID: P120905040.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1262 Peak 1	8.37	8.35	8.39
PCB-1262 Peak 2	8.83	8.81	8.85
PCB-1262 Peak 3	9.11	9.09	9.13
PCB-1262 Peak 4	9.47	9.45	9.49
PCB-1262 Peak 5	9.83	9.82	9.85

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/40 Calibration Date: 09/05/2016 22:40

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 12:05

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 13:33

Lab File ID: P120905040.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1262 Peak 1	Lin1		0.0345		0.792	1.00	-20.8*	20.0
PCB-1262 Peak 2	Lin1		0.0638		1.03	1.00	3.1	20.0
PCB-1262 Peak 3	Lin1		0.0571		1.04	1.00	4.4	20.0
PCB-1262 Peak 4	Lin1		0.1153		1.02	1.00	1.9	20.0
PCB-1262 Peak 5	Lin1		0.0809		1.01	1.00	1.1	20.0

Average %D < 20% ✓

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/40 Calibration Date: 09/05/2016 22:40

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 12:05

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 13:33

Lab File ID: P120905040.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1262 Peak 1	9.58	9.56	9.60
PCB-1262 Peak 2	10.11	10.09	10.13
PCB-1262 Peak 3	10.44	10.42	10.46
PCB-1262 Peak 4	10.72	10.70	10.74
PCB-1262 Peak 5	11.09	11.07	11.11

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/41 Calibration Date: 09/05/2016 22:57

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 13:51

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 15:19

Lab File ID: P120905041.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1268 Peak 1	Lin1		0.1547		0.956	1.00	-4.4	20.0
PCB-1268 Peak 2	Lin1		0.1404		0.939	1.00	-6.1	20.0
PCB-1268 Peak 3	Lin1		0.1193		0.922	1.00	-7.8	20.0
PCB-1268 Peak 4	Lin1		0.0484		0.911	1.00	-8.9	20.0
PCB-1268 Peak 5	Lin1		0.4140		0.926	1.00	-7.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/41 Calibration Date: 09/05/2016 22:57

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 13:51

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 15:19

Lab File ID: P120905041.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1268 Peak 1	9.83	9.81	9.85
PCB-1268 Peak 2	9.88	9.86	9.90
PCB-1268 Peak 3	10.10	10.08	10.12
PCB-1268 Peak 4	10.49	10.47	10.51
PCB-1268 Peak 5	10.78	10.77	10.80

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/41 Calibration Date: 09/05/2016 22:57

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 13:51

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 15:19

Lab File ID: P120905041.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1268 Peak 1	Lin1		0.1306		1.03	1.00	3.1	20.0
PCB-1268 Peak 2	Lin1		0.1254		1.05	1.00	4.6	20.0
PCB-1268 Peak 3	Lin1		0.1079		1.04	1.00	4.0	20.0
PCB-1268 Peak 4	Lin1		0.0464		1.04	1.00	4.4	20.0
PCB-1268 Peak 5	Lin1		0.3349		1.06	1.00	6.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-245359/41 Calibration Date: 09/05/2016 22:57

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 13:51

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 15:19

Lab File ID: P120905041.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1268 Peak 1	11.08	11.07	11.10
PCB-1268 Peak 2	11.13	11.11	11.15
PCB-1268 Peak 3	11.38	11.36	11.40
PCB-1268 Peak 4	11.65	11.63	11.67
PCB-1268 Peak 5	11.95	11.93	11.97

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248312/3 Calibration Date: 09/25/2016 14:07

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 19:08

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 20:36

Lab File ID: P120925003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		0.0158		0.497	0.500	-0.6	20.0
PCB-1016 Peak 2	Lin1		0.0313		0.486	0.500	-2.8	20.0
PCB-1016 Peak 3	Lin1		0.0752		0.478	0.500	-4.4	20.0
PCB-1016 Peak 4	Lin1		0.0293		0.477	0.500	-4.6	20.0
PCB-1016 Peak 5	Lin1		0.0293		0.479	0.500	-4.1	20.0
PCB-1260 Peak 1	Lin1		0.0462		0.477	0.500	-4.6	20.0
PCB-1260 Peak 2	Lin1		0.0780		0.450	0.500	-10.0	20.0
PCB-1260 Peak 3	Lin1		0.0848		0.484	0.500	-3.2	20.0
PCB-1260 Peak 4	Lin1		0.1073		0.492	0.500	-1.6	20.0
PCB-1260 Peak 5	Lin1		0.0555		0.488	0.500	-2.4	20.0
Tetrachloro-m-xylene	Ave	1.035	1.027		0.0248	0.0250	-0.7	20.0
DCB Decachlorobiphenyl	Ave	0.9178	0.9151		0.0249	0.0250	-0.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248312/3 Calibration Date: 09/25/2016 14:07

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 19:08

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 20:36

Lab File ID: P120925003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.73	4.71	4.74
PCB-1016 Peak 2	5.22	5.21	5.24
PCB-1016 Peak 3	5.84	5.82	5.86
PCB-1016 Peak 4	6.02	6.00	6.03
PCB-1016 Peak 5	6.54	6.52	6.56
PCB-1260 Peak 1	8.03	8.01	8.05
PCB-1260 Peak 2	8.36	8.34	8.38
PCB-1260 Peak 3	8.68	8.66	8.70
PCB-1260 Peak 4	9.46	9.44	9.48
PCB-1260 Peak 5	9.78	9.76	9.80
Tetrachloro-m-xylene	4.16	4.14	4.18
DCB Decachlorobiphenyl	10.96	10.94	10.98

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248312/4 Calibration Date: 09/25/2016 14:25

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 12:05

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 13:33

Lab File ID: P120925004.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		0.0192		0.508	0.500	1.5	20.0
PCB-1232 Peak 2	Lin1		0.0148		0.495	0.500	-1.0	20.0
PCB-1232 Peak 3	Lin1		0.0338		0.486	0.500	-2.9	20.0
PCB-1232 Peak 4	Lin1		0.0131		0.483	0.500	-3.4	20.0
PCB-1232 Peak 5	Lin1		0.0117		0.482	0.500	-3.6	20.0
PCB-1262 Peak 1	Lin1		0.0532		0.487	0.500	-2.6	20.0
PCB-1262 Peak 2	Lin1		0.0627		0.479	0.500	-4.1	20.0
PCB-1262 Peak 3	Lin1		0.0614		0.497	0.500	-0.6	20.0
PCB-1262 Peak 4	Lin1		0.1351		0.492	0.500	-1.5	20.0
PCB-1262 Peak 5	Lin1		0.0497		0.478	0.500	-4.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248312/4 Calibration Date: 09/25/2016 14:25

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 12:05

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 13:33

Lab File ID: P120925004.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	4.72	4.71	4.74
PCB-1232 Peak 2	5.22	5.20	5.24
PCB-1232 Peak 3	5.84	5.82	5.86
PCB-1232 Peak 4	6.01	5.99	6.03
PCB-1232 Peak 5	6.54	6.52	6.56
PCB-1262 Peak 1	8.36	8.34	8.38
PCB-1262 Peak 2	8.82	8.80	8.84
PCB-1262 Peak 3	9.10	9.08	9.12
PCB-1262 Peak 4	9.46	9.44	9.48
PCB-1262 Peak 5	9.83	9.81	9.84

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248312/5 Calibration Date: 09/25/2016 14:42

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 13:51

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 15:19

Lab File ID: P120925005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		0.0136		0.527	0.500	5.5	20.0
PCB-1242 Peak 2	Lin1		0.0275		0.523	0.500	4.5	20.0
PCB-1242 Peak 3	Lin1		0.0650		0.516	0.500	3.3	20.0
PCB-1242 Peak 4	Lin1		0.0253		0.516	0.500	3.2	20.0
PCB-1242 Peak 5	Lin1		0.0256		0.515	0.500	2.9	20.0
PCB-1268 Peak 1	Lin1		0.1592		0.491	0.500	-1.8	20.0
PCB-1268 Peak 2	Lin1		0.1456		0.486	0.500	-2.8	20.0
PCB-1268 Peak 3	Lin1		0.1239		0.478	0.500	-4.4	20.0
PCB-1268 Peak 4	Lin1		0.0524		0.490	0.500	-2.0	20.0
PCB-1268 Peak 5	Lin1		0.4242		0.477	0.500	-4.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248312/5 Calibration Date: 09/25/2016 14:42

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 13:51

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 15:19

Lab File ID: P120925005.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	4.72	4.71	4.74
PCB-1242 Peak 2	5.22	5.20	5.24
PCB-1242 Peak 3	5.84	5.82	5.86
PCB-1242 Peak 4	6.01	5.99	6.03
PCB-1242 Peak 5	6.54	6.52	6.56
PCB-1268 Peak 1	9.83	9.81	9.85
PCB-1268 Peak 2	9.87	9.85	9.89
PCB-1268 Peak 3	10.09	10.07	10.11
PCB-1268 Peak 4	10.48	10.46	10.50
PCB-1268 Peak 5	10.78	10.76	10.79

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248312/6 Calibration Date: 09/25/2016 15:00

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 15:37

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 17:05

Lab File ID: P120925006.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1		0.0134		0.495	0.500	-1.0	20.0
PCB-1248 Peak 2	Lin1		0.0375		0.491	0.500	-1.7	20.0
PCB-1248 Peak 3	Lin1		0.0393		0.499	0.500	-0.1	20.0
PCB-1248 Peak 4	Lin1		0.0292		0.487	0.500	-2.5	20.0
PCB-1248 Peak 5	Lin1		0.0188		0.489	0.500	-2.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248312/6 Calibration Date: 09/25/2016 15:00

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 15:37

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 17:05

Lab File ID: P120925006.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	5.22	5.20	5.24
PCB-1248 Peak 2	6.54	6.52	6.56
PCB-1248 Peak 3	7.07	7.05	7.09
PCB-1248 Peak 4	7.34	7.32	7.36
PCB-1248 Peak 5	7.81	7.79	7.83

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248312/7 Calibration Date: 09/25/2016 15:18

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 17:23

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 18:51

Lab File ID: P120925007.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0090		0.512	0.500	2.3	20.0
PCB-1221 Peak 2	Lin1		0.0060		0.516	0.500	3.1	20.0
PCB-1221 Peak 3	Lin1		0.0231		0.517	0.500	3.3	20.0
PCB-1254 Peak 1	Lin1		0.0334		0.510	0.500	1.9	20.0
PCB-1254 Peak 2	Lin1		0.0479		0.510	0.500	2.0	20.0
PCB-1254 Peak 3	Lin1		0.0686		0.514	0.500	2.7	20.0
PCB-1254 Peak 4	Lin1		0.0512		0.515	0.500	2.9	20.0
PCB-1254 Peak 5	Lin1		0.0696		0.516	0.500	3.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248312/7 Calibration Date: 09/25/2016 15:18

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 17:23

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 18:51

Lab File ID: P120925007.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	4.46	4.44	4.48
PCB-1221 Peak 2	4.67	4.65	4.69
PCB-1221 Peak 3	4.72	4.70	4.74
PCB-1254 Peak 1	7.02	7.00	7.04
PCB-1254 Peak 2	7.34	7.32	7.36
PCB-1254 Peak 3	7.81	7.79	7.83
PCB-1254 Peak 4	8.14	8.12	8.16
PCB-1254 Peak 5	8.68	8.66	8.70

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCVIS 240-248312/28 Calibration Date: 09/25/2016 21:28

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 19:08

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 20:36

Lab File ID: P120925028.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		0.0152		0.478	0.500	-4.3	20.0
PCB-1016 Peak 2	Lin1		0.0307		0.477	0.500	-4.6	20.0
PCB-1016 Peak 3	Lin1		0.0742		0.472	0.500	-5.7	20.0
PCB-1016 Peak 4	Lin1		0.0287		0.467	0.500	-6.6	20.0
PCB-1016 Peak 5	Lin1		0.0283		0.464	0.500	-7.2	20.0
PCB-1260 Peak 1	Lin1		0.0449		0.463	0.500	-7.4	20.0
PCB-1260 Peak 2	Lin1		0.0746		0.431	0.500	-13.9	20.0
PCB-1260 Peak 3	Lin1		0.0805		0.459	0.500	-8.1	20.0
PCB-1260 Peak 4	Lin1		0.1001		0.460	0.500	-8.0	20.0
PCB-1260 Peak 5	Lin1		0.0515		0.453	0.500	-9.3	20.0
Tetrachloro-m-xylene	Ave	1.035	1.014		0.0245	0.0250	-2.1	20.0
DCB Decachlorobiphenyl	Ave	0.9178	0.7940		0.0216	0.0250	-13.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCVIS 240-248312/28 Calibration Date: 09/25/2016 21:28

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 19:08

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 20:36

Lab File ID: P120925028.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.73	4.71	4.75
PCB-1016 Peak 2	5.22	5.20	5.24
PCB-1016 Peak 3	5.84	5.82	5.86
PCB-1016 Peak 4	6.02	6.00	6.03
PCB-1016 Peak 5	6.54	6.52	6.56
PCB-1260 Peak 1	8.03	8.01	8.05
PCB-1260 Peak 2	8.36	8.34	8.38
PCB-1260 Peak 3	8.68	8.66	8.70
PCB-1260 Peak 4	9.46	9.44	9.48
PCB-1260 Peak 5	9.78	9.76	9.80
Tetrachloro-m-xylene	4.17	4.15	4.19
DCB Decachlorobiphenyl	10.96	10.94	10.98

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248519/3 Calibration Date: 09/27/2016 05:13

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 19:08

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 20:36

Lab File ID: P120927003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		0.0173		0.473	0.500	-5.4	20.0
PCB-1016 Peak 2	Lin1		0.0362		0.476	0.500	-4.7	20.0
PCB-1016 Peak 3	Lin1		0.0808		0.476	0.500	-4.8	20.0
PCB-1016 Peak 4	Lin1		0.0327		0.480	0.500	-4.1	20.0
PCB-1016 Peak 5	Lin1		0.0257		0.461	0.500	-7.7	20.0
PCB-1260 Peak 1	Lin1		0.0499		0.468	0.500	-6.3	20.0
PCB-1260 Peak 2	Lin1		0.0576		0.476	0.500	-4.8	20.0
PCB-1260 Peak 3	Lin1		0.0792		0.459	0.500	-8.2	20.0
PCB-1260 Peak 4	Lin1		0.0988		0.487	0.500	-2.6	20.0
PCB-1260 Peak 5	Lin1		0.0691		0.486	0.500	-2.7	20.0
Tetrachloro-m-xylene	Ave	1.178	1.064		0.0226	0.0250	-9.7	20.0
DCB Decachlorobiphenyl	Ave	0.9255	0.8375		0.0226	0.0250	-9.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248519/3 Calibration Date: 09/27/2016 05:13

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 19:08

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 20:36

Lab File ID: P120927003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	5.79	5.77	5.81
PCB-1016 Peak 2	6.37	6.36	6.39
PCB-1016 Peak 3	6.99	6.97	7.01
PCB-1016 Peak 4	7.16	7.15	7.18
PCB-1016 Peak 5	7.77	7.75	7.79
PCB-1260 Peak 1	9.31	9.29	9.33
PCB-1260 Peak 2	9.57	9.55	9.59
PCB-1260 Peak 3	9.99	9.97	10.01
PCB-1260 Peak 4	10.71	10.69	10.72
PCB-1260 Peak 5	11.08	11.06	11.10
Tetrachloro-m-xylene	5.01	4.99	5.03
DCB Decachlorobiphenyl	12.17	12.15	12.18

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248519/4 Calibration Date: 09/27/2016 05:31

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 12:05

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 13:33

Lab File ID: P120927004.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		0.0216		0.525	0.500	5.1	20.0
PCB-1232 Peak 2	Lin1		0.0185		0.516	0.500	3.1	20.0
PCB-1232 Peak 3	Lin1		0.0377		0.508	0.500	1.6	20.0
PCB-1232 Peak 4	Lin1		0.0155		0.509	0.500	1.7	20.0
PCB-1232 Peak 5	Lin1		0.0118		0.511	0.500	2.3	20.0
PCB-1262 Peak 1	Lin1		0.0450		0.513	0.500	2.5	20.0
PCB-1262 Peak 2	Lin1		0.0639		0.511	0.500	2.3	20.0
PCB-1262 Peak 3	Lin1		0.0574		0.518	0.500	3.7	20.0
PCB-1262 Peak 4	Lin1		0.1189		0.520	0.500	4.1	20.0
PCB-1262 Peak 5	Lin1		0.0841		0.520	0.500	4.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248519/4 Calibration Date: 09/27/2016 05:31

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 12:05

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 13:33

Lab File ID: P120927004.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	5.79	5.77	5.81
PCB-1232 Peak 2	6.37	6.36	6.39
PCB-1232 Peak 3	6.99	6.97	7.01
PCB-1232 Peak 4	7.16	7.15	7.18
PCB-1232 Peak 5	7.77	7.75	7.79
PCB-1262 Peak 1	9.57	9.55	9.58
PCB-1262 Peak 2	10.10	10.08	10.12
PCB-1262 Peak 3	10.43	10.41	10.45
PCB-1262 Peak 4	10.70	10.69	10.72
PCB-1262 Peak 5	11.08	11.06	11.09

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248519/5 Calibration Date: 09/27/2016 05:49

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 13:51

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 15:19

Lab File ID: P120927005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		0.0152		0.535	0.500	7.0	20.0
PCB-1242 Peak 2	Lin1		0.0314		0.533	0.500	6.5	20.0
PCB-1242 Peak 3	Lin1		0.0693		0.531	0.500	6.3	20.0
PCB-1242 Peak 4	Lin1		0.0268		0.521	0.500	4.3	20.0
PCB-1242 Peak 5	Lin1		0.0225		0.519	0.500	3.9	20.0
PCB-1268 Peak 1	Lin1		0.1391		0.542	0.500	8.5	20.0
PCB-1268 Peak 2	Lin1		0.1328		0.548	0.500	9.6	20.0
PCB-1268 Peak 3	Lin1		0.1142		0.545	0.500	9.1	20.0
PCB-1268 Peak 4	Lin1		0.0477		0.531	0.500	6.1	20.0
PCB-1268 Peak 5	Lin1		0.3461		0.544	0.500	8.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248519/5 Calibration Date: 09/27/2016 05:49

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 13:51

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 15:19

Lab File ID: P120927005.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	5.79	5.77	5.81
PCB-1242 Peak 2	6.37	6.36	6.39
PCB-1242 Peak 3	6.99	6.97	7.01
PCB-1242 Peak 4	7.16	7.15	7.18
PCB-1242 Peak 5	7.77	7.75	7.79
PCB-1268 Peak 1	11.07	11.06	11.09
PCB-1268 Peak 2	11.12	11.10	11.14
PCB-1268 Peak 3	11.37	11.35	11.39
PCB-1268 Peak 4	11.64	11.62	11.66
PCB-1268 Peak 5	11.94	11.92	11.95

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248519/6 Calibration Date: 09/27/2016 06:06

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 15:37

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 17:05

Lab File ID: P120927006.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1		0.0163		0.453	0.500	-9.4	20.0
PCB-1248 Peak 2	Lin1		0.0435		0.454	0.500	-9.3	20.0
PCB-1248 Peak 3	Lin1		0.0335		0.445	0.500	-11.1	20.0
PCB-1248 Peak 4	Lin1		0.0416		0.451	0.500	-9.8	20.0
PCB-1248 Peak 5	Lin1		0.0222		0.454	0.500	-9.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248519/6 Calibration Date: 09/27/2016 06:06

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 15:37

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 17:05

Lab File ID: P120927006.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	6.37	6.35	6.39
PCB-1248 Peak 2	6.98	6.96	7.00
PCB-1248 Peak 3	7.77	7.75	7.79
PCB-1248 Peak 4	8.30	8.28	8.31
PCB-1248 Peak 5	9.08	9.06	9.10

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248519/7 Calibration Date: 09/27/2016 06:24

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 17:23

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 18:51

Lab File ID: P120927007.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0107		0.480	0.500	-3.9	20.0
PCB-1221 Peak 2	Lin1		0.0070		0.491	0.500	-1.8	20.0
PCB-1221 Peak 3	Lin1		0.0257		0.489	0.500	-2.3	20.0
PCB-1254 Peak 1	Lin1		0.0395		0.474	0.500	-5.3	20.0
PCB-1254 Peak 2	Lin1		0.0462		0.481	0.500	-3.9	20.0
PCB-1254 Peak 3	Lin1		0.0665		0.485	0.500	-3.0	20.0
PCB-1254 Peak 4	Lin1		0.0483		0.487	0.500	-2.7	20.0
PCB-1254 Peak 5	Lin1		0.0656		0.485	0.500	-3.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248519/7 Calibration Date: 09/27/2016 06:24

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 17:23

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 18:51

Lab File ID: P120927007.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	5.50	5.48	5.52
PCB-1221 Peak 2	5.71	5.69	5.73
PCB-1221 Peak 3	5.79	5.77	5.81
PCB-1254 Peak 1	8.29	8.27	8.31
PCB-1254 Peak 2	8.53	8.51	8.55
PCB-1254 Peak 3	9.08	9.06	9.10
PCB-1254 Peak 4	9.35	9.33	9.37
PCB-1254 Peak 5	9.99	9.97	10.01

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCVIS 240-248519/29 Calibration Date: 09/27/2016 12:52

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 19:08

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 20:36

Lab File ID: P120927029.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		0.0172		0.469	0.500	-6.2	20.0
PCB-1016 Peak 2	Lin1		0.0359		0.473	0.500	-5.4	20.0
PCB-1016 Peak 3	Lin1		0.0807		0.476	0.500	-4.9	20.0
PCB-1016 Peak 4	Lin1		0.0325		0.477	0.500	-4.7	20.0
PCB-1016 Peak 5	Lin1		0.0260		0.467	0.500	-6.6	20.0
PCB-1260 Peak 1	Lin1		0.0479		0.449	0.500	-10.2	20.0
PCB-1260 Peak 2	Lin1		0.0571		0.472	0.500	-5.6	20.0
PCB-1260 Peak 3	Lin1		0.0821		0.477	0.500	-4.6	20.0
PCB-1260 Peak 4	Lin1		0.0986		0.486	0.500	-2.8	20.0
PCB-1260 Peak 5	Lin1		0.0691		0.487	0.500	-2.7	20.0
Tetrachloro-m-xylene	Ave	1.178	1.057		0.0224	0.0250	-10.3	20.0
DCB Decachlorobiphenyl	Ave	0.9255	0.8101		0.0219	0.0250	-12.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCVIS 240-248519/29 Calibration Date: 09/27/2016 12:52

Instrument ID: A2HP12 Calib Start Date: 09/05/2016 19:08

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/05/2016 20:36

Lab File ID: P120927029.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	5.79	5.77	5.81
PCB-1016 Peak 2	6.37	6.36	6.39
PCB-1016 Peak 3	6.99	6.97	7.01
PCB-1016 Peak 4	7.16	7.14	7.18
PCB-1016 Peak 5	7.77	7.75	7.79
PCB-1260 Peak 1	9.31	9.29	9.33
PCB-1260 Peak 2	9.57	9.55	9.59
PCB-1260 Peak 3	9.99	9.97	10.01
PCB-1260 Peak 4	10.71	10.69	10.73
PCB-1260 Peak 5	11.08	11.06	11.10
Tetrachloro-m-xylene	5.01	4.99	5.03
DCB Decachlorobiphenyl	12.17	12.15	12.19

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.: NA

Lab Sample ID: ICV 240-248056/34 Calibration Date: 09/23/2016 00:42

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 21:06

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/22/2016 22:36

Lab File ID: SIG10034.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0043		0.431	1.00	-56.9*	20.0
PCB-1221 Peak 2	Lin1		0.0061		1.01	1.00	1.1	20.0
PCB-1221 Peak 3	Lin1		0.0240		1.03	1.00	3.0	20.0

Average %D > 20%

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-248056/34 Calibration Date: 09/23/2016 00:42

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 21:06

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/22/2016 22:36

Lab File ID: SIG10034.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	4.32	4.31	4.34
PCB-1221 Peak 2	4.57	4.55	4.59
PCB-1221 Peak 3	4.67	4.66	4.69

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-248056/35 Calibration Date: 09/23/2016 01:00

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 15:34

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/22/2016 17:08

Lab File ID: SIG10035.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		0.0215		1.03	1.00	3.3	20.0
PCB-1232 Peak 2	Lin1		0.0194		1.10	1.00	9.6	20.0
PCB-1232 Peak 3	Lin1		0.0405		1.12	1.00	12.3	20.0
PCB-1232 Peak 4	Lin1		0.0151		1.07	1.00	7.1	20.0
PCB-1232 Peak 5	Lin1		0.0107		1.12	1.00	12.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-248056/35 Calibration Date: 09/23/2016 01:00

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 15:34

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/22/2016 17:08

Lab File ID: SIG10035.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	4.68	4.65	4.69
PCB-1232 Peak 2	5.35	5.33	5.37
PCB-1232 Peak 3	6.07	6.04	6.08
PCB-1232 Peak 4	6.26	6.24	6.28
PCB-1232 Peak 5	6.89	6.86	6.90

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-248056/36 Calibration Date: 09/23/2016 01:18

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 17:26

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/22/2016 18:59

Lab File ID: SIG10036.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		0.0151		1.08	1.00	8.4	20.0
PCB-1242 Peak 2	Lin1		0.0317		1.17	1.00	16.8	20.0
PCB-1242 Peak 3	Lin1		0.0702		1.16	1.00	16.2	20.0
PCB-1242 Peak 4	Lin1		0.0265		1.15	1.00	15.3	20.0
PCB-1242 Peak 5	Lin1		0.0154		1.17	1.00	17.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-248056/36 Calibration Date: 09/23/2016 01:18

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 17:26

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/22/2016 18:59

Lab File ID: SIG10036.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	4.67	4.66	4.70
PCB-1242 Peak 2	5.35	5.34	5.38
PCB-1242 Peak 3	6.06	6.04	6.08
PCB-1242 Peak 4	6.26	6.24	6.28
PCB-1242 Peak 5	6.60	6.59	6.63

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-248056/37 Calibration Date: 09/23/2016 01:36

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 19:17

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/22/2016 20:48

Lab File ID: SIG10037.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1		0.0149		0.967	1.00	-3.3	20.0
PCB-1248 Peak 2	Lin1		0.0414		1.02	1.00	2.5	20.0
PCB-1248 Peak 3	Lin1		0.0345		1.10	1.00	10.3	20.0
PCB-1248 Peak 4	Lin1		0.0393		1.14	1.00	14.0	20.0
PCB-1248 Peak 5	Lin1		0.0174		1.14	1.00	14.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-248056/37 Calibration Date: 09/23/2016 01:36

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 19:17

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/22/2016 20:48

Lab File ID: SIG10037.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	5.35	5.33	5.37
PCB-1248 Peak 2	6.06	6.03	6.07
PCB-1248 Peak 3	7.03	7.01	7.04
PCB-1248 Peak 4	7.38	7.35	7.39
PCB-1248 Peak 5	8.04	8.02	8.06

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-248056/39 Calibration Date: 09/23/2016 02:12

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 22:54

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/23/2016 00:25

Lab File ID: SIG10039.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		0.0160		0.885	1.00	-11.5	20.0
PCB-1016 Peak 2	Lin1		0.0348		0.947	1.00	-5.3	20.0
PCB-1016 Peak 3	Lin1		0.0773		0.957	1.00	-4.3	20.0
PCB-1016 Peak 4	Lin1		0.0289		0.937	1.00	-6.3	20.0
PCB-1016 Peak 5	Lin1		0.0221		0.931	1.00	-6.9	20.0
PCB-1260 Peak 1	Lin1		0.0372		0.908	1.00	-9.2	20.0
PCB-1260 Peak 2	Lin1		0.0408		0.944	1.00	-5.6	20.0
PCB-1260 Peak 3	Lin1		0.0513		0.888	1.00	-11.2	20.0
PCB-1260 Peak 4	Lin1		0.0668		1.02	1.00	2.0	20.0
PCB-1260 Peak 5	Lin1		0.0431		0.996	1.00	-0.4	20.0
Tetrachloro-m-xylene	Lin1		1.167		0.0454	0.0500	-9.2	20.0
DCB Decachlorobiphenyl	Lin1		0.5472		0.0496	0.0500	-0.8	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-248056/39 Calibration Date: 09/23/2016 02:12

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 22:54

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/23/2016 00:25

Lab File ID: SIG10039.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.68	4.66	4.69
PCB-1016 Peak 2	5.36	5.33	5.37
PCB-1016 Peak 3	6.07	6.04	6.08
PCB-1016 Peak 4	6.26	6.24	6.28
PCB-1016 Peak 5	6.89	6.87	6.91
PCB-1260 Peak 1	8.23	8.21	8.25
PCB-1260 Peak 2	8.42	8.40	8.44
PCB-1260 Peak 3	8.74	8.72	8.76
PCB-1260 Peak 4	9.29	9.27	9.31
PCB-1260 Peak 5	9.59	9.57	9.61
Tetrachloro-m-xylene	3.75	3.73	3.77
DCB Decachlorobiphenyl	10.52	10.50	10.54

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-248056/40 Calibration Date: 09/23/2016 02:30

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 15:34

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/22/2016 17:08

Lab File ID: SIG10040.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1262 Peak 1	Lin1		0.0384		1.19	1.00	18.9	20.0
PCB-1262 Peak 2	Lin1		0.0538		1.21	1.00	21.4*	20.0
PCB-1262 Peak 3	Lin1		0.0473		1.20	1.00	20.1*	20.0
PCB-1262 Peak 4	Lin1		0.0908		1.18	1.00	17.9	20.0
PCB-1262 Peak 5	Lin1		0.0614		1.18	1.00	18.4	20.0

Average %D < 20%

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-248056/40 Calibration Date: 09/23/2016 02:30

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 15:34

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/22/2016 17:08

Lab File ID: SIG10040.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1262 Peak 1	8.42	8.40	8.44
PCB-1262 Peak 2	8.82	8.80	8.84
PCB-1262 Peak 3	9.07	9.05	9.09
PCB-1262 Peak 4	9.28	9.27	9.31
PCB-1262 Peak 5	9.58	9.56	9.60

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-248056/41 Calibration Date: 09/23/2016 02:48

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 17:26

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/22/2016 18:59

Lab File ID: SIG10041.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1268 Peak 1	Lin1		0.0891		1.11	1.00	10.5	20.0
PCB-1268 Peak 2	Lin1		0.0883		1.09	1.00	9.2	20.0
PCB-1268 Peak 3	Lin1		0.0713		1.08	1.00	8.0	20.0
PCB-1268 Peak 4	Lin1		0.0274		1.02	1.00	2.3	20.0
PCB-1268 Peak 5	Lin1		0.2171		0.955	1.00	-4.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-248056/41 Calibration Date: 09/23/2016 02:48

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 17:26

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/22/2016 18:59

Lab File ID: SIG10041.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1268 Peak 1	9.58	9.56	9.60
PCB-1268 Peak 2	9.62	9.60	9.64
PCB-1268 Peak 3	9.83	9.81	9.85
PCB-1268 Peak 4	10.05	10.04	10.07
PCB-1268 Peak 5	10.31	10.30	10.34

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-248056/42 Calibration Date: 09/23/2016 07:26

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 21:06

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/22/2016 22:36

Lab File ID: SIG10042.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1254 Peak 1	Lin1		0.0335		0.996	1.00	-0.4	20.0
PCB-1254 Peak 2	Lin1		0.0364		1.01	1.00	1.4	20.0
PCB-1254 Peak 3	Lin1		0.0453		0.956	1.00	-4.4	20.0
PCB-1254 Peak 4	Lin1		0.0327		0.982	1.00	-1.8	20.0
PCB-1254 Peak 5	Lin1		0.0446		1.05	1.00	5.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-248056/42 Calibration Date: 09/23/2016 07:26

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 21:06

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/22/2016 22:36

Lab File ID: SIG10042.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1254 Peak 1	7.38	7.35	7.39
PCB-1254 Peak 2	7.59	7.56	7.60
PCB-1254 Peak 3	8.05	8.02	8.06
PCB-1254 Peak 4	8.26	8.24	8.28
PCB-1254 Peak 5	8.75	8.72	8.76

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248994/3 Calibration Date: 09/29/2016 05:55

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 22:54

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/23/2016 00:25

Lab File ID: SIG10003.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		0.0166		0.454	0.500	-9.3	20.0
PCB-1016 Peak 2	Lin1		0.0336		0.451	0.500	-9.9	20.0
PCB-1016 Peak 3	Lin1		0.0738		0.458	0.500	-8.4	20.0
PCB-1016 Peak 4	Lin1		0.0276		0.447	0.500	-10.7	20.0
PCB-1016 Peak 5	Lin1		0.0206		0.430	0.500	-14.0	20.0
PCB-1260 Peak 1	Lin1		0.0347		0.424	0.500	-15.2	20.0
PCB-1260 Peak 2	Lin1		0.0381		0.441	0.500	-11.8	20.0
PCB-1260 Peak 3	Lin1		0.0502		0.436	0.500	-12.8	20.0
PCB-1260 Peak 4	Lin1		0.0565		0.433	0.500	-13.3	20.0
PCB-1260 Peak 5	Lin1		0.0373		0.433	0.500	-13.5	20.0
Tetrachloro-m-xylene	Lin1		1.088		0.0214	0.0250	-14.5	20.0
DCB Decachlorobiphenyl	Lin1		0.5016		0.0224	0.0250	-10.3	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248994/3 Calibration Date: 09/29/2016 05:55

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 22:54

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/23/2016 00:25

Lab File ID: SIG10003.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.68	4.67	4.70
PCB-1016 Peak 2	5.36	5.34	5.38
PCB-1016 Peak 3	6.07	6.05	6.09
PCB-1016 Peak 4	6.27	6.25	6.29
PCB-1016 Peak 5	6.89	6.87	6.91
PCB-1260 Peak 1	8.23	8.21	8.25
PCB-1260 Peak 2	8.43	8.41	8.44
PCB-1260 Peak 3	8.74	8.72	8.76
PCB-1260 Peak 4	9.29	9.27	9.31
PCB-1260 Peak 5	9.59	9.57	9.61
Tetrachloro-m-xylene	3.76	3.74	3.78
DCB Decachlorobiphenyl	10.53	10.51	10.54

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248994/4 Calibration Date: 09/29/2016 06:12

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 15:34

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/22/2016 17:08

Lab File ID: SIG10004.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		0.0206		0.484	0.500	-3.2	20.0
PCB-1232 Peak 2	Lin1		0.0168		0.464	0.500	-7.1	20.0
PCB-1232 Peak 3	Lin1		0.0330		0.454	0.500	-9.1	20.0
PCB-1232 Peak 4	Lin1		0.0133		0.467	0.500	-6.6	20.0
PCB-1232 Peak 5	Lin1		0.0083		0.415	0.500	-16.9	20.0
PCB-1262 Peak 1	Lin1		0.0288		0.442	0.500	-11.6	20.0
PCB-1262 Peak 2	Lin1		0.0390		0.439	0.500	-12.3	20.0
PCB-1262 Peak 3	Lin1		0.0346		0.435	0.500	-13.1	20.0
PCB-1262 Peak 4	Lin1		0.0673		0.435	0.500	-13.0	20.0
PCB-1262 Peak 5	Lin1		0.0451		0.433	0.500	-13.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248994/4 Calibration Date: 09/29/2016 06:12

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 15:34

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/22/2016 17:08

Lab File ID: SIG10004.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	4.68	4.67	4.70
PCB-1232 Peak 2	5.36	5.35	5.38
PCB-1232 Peak 3	6.07	6.05	6.09
PCB-1232 Peak 4	6.27	6.25	6.29
PCB-1232 Peak 5	6.89	6.88	6.91
PCB-1262 Peak 1	8.43	8.41	8.45
PCB-1262 Peak 2	8.83	8.81	8.85
PCB-1262 Peak 3	9.08	9.06	9.10
PCB-1262 Peak 4	9.29	9.27	9.31
PCB-1262 Peak 5	9.59	9.57	9.61

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248994/5 Calibration Date: 09/29/2016 06:30

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 17:26

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/22/2016 18:59

Lab File ID: SIG10005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		0.0147		0.517	0.500	3.4	20.0
PCB-1242 Peak 2	Lin1		0.0299		0.535	0.500	7.0	20.0
PCB-1242 Peak 3	Lin1		0.0638		0.521	0.500	4.2	20.0
PCB-1242 Peak 4	Lin1		0.0236		0.505	0.500	1.1	20.0
PCB-1242 Peak 5	Lin1		0.0134		0.495	0.500	-1.1	20.0
PCB-1268 Peak 1	Lin1		0.0821		0.503	0.500	0.5	20.0
PCB-1268 Peak 2	Lin1		0.0827		0.503	0.500	0.6	20.0
PCB-1268 Peak 3	Lin1		0.0687		0.513	0.500	2.6	20.0
PCB-1268 Peak 4	Lin1		0.0265		0.485	0.500	-3.0	20.0
PCB-1268 Peak 5	Lin1		0.2054		0.451	0.500	-9.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248994/5 Calibration Date: 09/29/2016 06:30

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 17:26

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/22/2016 18:59

Lab File ID: SIG10005.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	4.69	4.67	4.71
PCB-1242 Peak 2	5.37	5.35	5.39
PCB-1242 Peak 3	6.08	6.06	6.10
PCB-1242 Peak 4	6.27	6.25	6.29
PCB-1242 Peak 5	6.62	6.60	6.63
PCB-1268 Peak 1	9.59	9.57	9.61
PCB-1268 Peak 2	9.63	9.61	9.65
PCB-1268 Peak 3	9.84	9.82	9.86
PCB-1268 Peak 4	10.06	10.04	10.08
PCB-1268 Peak 5	10.32	10.30	10.34

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248994/6 Calibration Date: 09/29/2016 06:48

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 19:17

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/22/2016 20:48

Lab File ID: SIG10006.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1		0.0149		0.478	0.500	-4.5	20.0
PCB-1248 Peak 2	Lin1		0.0387		0.478	0.500	-4.3	20.0
PCB-1248 Peak 3	Lin1		0.0288		0.457	0.500	-8.6	20.0
PCB-1248 Peak 4	Lin1		0.0320		0.463	0.500	-7.3	20.0
PCB-1248 Peak 5	Lin1		0.0139		0.455	0.500	-9.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248994/6 Calibration Date: 09/29/2016 06:48

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 19:17

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/22/2016 20:48

Lab File ID: SIG10006.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	5.37	5.35	5.38
PCB-1248 Peak 2	6.07	6.05	6.09
PCB-1248 Peak 3	7.04	7.02	7.06
PCB-1248 Peak 4	7.38	7.37	7.40
PCB-1248 Peak 5	8.05	8.03	8.07

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248994/7 Calibration Date: 09/29/2016 07:05

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 21:06

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/22/2016 22:36

Lab File ID: SIG10007.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		0.0098		0.494	0.500	-1.3	20.0
PCB-1221 Peak 2	Lin1		0.0061		0.495	0.500	-1.0	20.0
PCB-1221 Peak 3	Lin1		0.0239		0.503	0.500	0.7	20.0
PCB-1254 Peak 1	Lin1		0.0311		0.458	0.500	-8.5	20.0
PCB-1254 Peak 2	Lin1		0.0334		0.461	0.500	-7.9	20.0
PCB-1254 Peak 3	Lin1		0.0446		0.467	0.500	-6.5	20.0
PCB-1254 Peak 4	Lin1		0.0301		0.454	0.500	-9.2	20.0
PCB-1254 Peak 5	Lin1		0.0387		0.456	0.500	-8.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-248994/7 Calibration Date: 09/29/2016 07:05

Instrument ID: A2HP4 Calib Start Date: 09/22/2016 21:06

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/22/2016 22:36

Lab File ID: SIG10007.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	4.34	4.32	4.36
PCB-1221 Peak 2	4.59	4.57	4.61
PCB-1221 Peak 3	4.69	4.67	4.71
PCB-1254 Peak 1	7.38	7.36	7.40
PCB-1254 Peak 2	7.59	7.57	7.61
PCB-1254 Peak 3	8.05	8.03	8.07
PCB-1254 Peak 4	8.27	8.25	8.29
PCB-1254 Peak 5	8.75	8.73	8.77

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: MB 240-247989/23-A

Matrix: Solid Date Extracted: 09/22/2016 12:26

Lab File ID:(1) Lab File ID:(2) P100924027.D

Date Analyzed:(1) Date Analyzed:(2) 09/24/2016 19:59

Instrument ID:(1) Instrument ID:(2) A2HP10

GC Column:(1) ID: GC Column:(2) CLP-1 (0.53m ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
DR-SB-251-0-3	240-69767-8		09/24/2016 14:38
DR-SB-251-24-27	240-69767-9		09/24/2016 14:57
DR-SB-251-48-51	240-69767-10		09/24/2016 15:16
DR-SB-251-72-75	240-69767-11		09/24/2016 15:35
DR-SB-251-96-99	240-69767-12		09/24/2016 15:54
DR-SB-251-120-123	240-69767-13		09/24/2016 16:13
DR-SB-251-144-145	240-69767-14		09/24/2016 16:31
DR-SB-252-0-3	240-69767-15		09/24/2016 16:50
DR-SB-252-24-27	240-69767-16		09/24/2016 17:09
DR-SB-252-48-51	240-69767-17		09/24/2016 17:28
DR-SB-252-72-75	240-69767-18		09/24/2016 17:47
DR-SB-252-96-99	240-69767-19		09/24/2016 18:06
DR-SB-252-120-123	240-69767-20		09/24/2016 18:25
DR-SB-252-144-145	240-69767-21		09/24/2016 18:44
DR-SB-253-0-3	240-69767-22		09/24/2016 19:02
DR-SB-253-24-27	240-69767-23		09/24/2016 19:21
DR-SB-253-48-51	240-69767-24		09/24/2016 19:40
	LCS 240-247989/24-A		09/24/2016 20:18
DR-SB-253-72-75	240-69767-25		09/24/2016 20:56
DR-SB-253-96-99	240-69767-26		09/24/2016 21:15
DR-SB-253-120-123	240-69767-27		09/24/2016 21:34
DR-SB-253-120-123 MS	240-69767-27 MS		09/24/2016 21:53
DR-SB-253-120-123 MSD	240-69767-27 MSD		09/24/2016 22:11

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-247989/23-A

Matrix: Solid | Lab File ID: P100924027.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10(g) | Date Analyzed: 09/24/2016 19:59

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	24	U	50	24
11104-28-2	Aroclor-1221	23	U	50	23
11141-16-5	Aroclor-1232	16	U	50	16
53469-21-9	Aroclor-1242	20	U	50	20
12672-29-6	Aroclor-1248	17	U	50	17
11097-69-1	Aroclor-1254	14	U	50	14
11096-82-5	Aroclor-1260	18	U	50	18
37324-23-5	Aroclor-1262	8.0	U	50	8.0
11100-14-4	Aroclor-1268	20	U	50	20

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	83		14-128
2051-24-3	DCB Decachlorobiphenyl	75		10-132

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P100924028.D

Lab ID: LCS 240-247989/24-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor-1016	1000	864	86	47-120	
Aroclor-1260	1000	893	89	46-120	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P100924033.D

Lab ID: 240-69767-27 MS Client ID: DR-SB-253-120-123 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Aroclor-1016	1200	29 U	706	59	31-120	
Aroclor-1260	1200	22 U	630	52	21-122	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P100924034.D

Lab ID: 240-69767-27 MSD Client ID: DR-SB-253-120-123 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aroclor-1016	1210	673	56	5	30	31-120	
Aroclor-1260	1210	676	56	7	30	21-122	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: MB 240-247990/23-A

Matrix: Solid Date Extracted: 09/22/2016 12:31

Lab File ID:(1) P110924027.D Lab File ID:(2)

Date Analyzed:(1) 09/24/2016 19:52 Date Analyzed:(2)

Instrument ID:(1) A2HP11 Instrument ID:(2)

GC Column:(1) CLP-2 (0.53m ID: 0.53(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
DR-SB-250-0-3	240-69767-1	09/24/2016 14:43	
DR-SB-250-24-27	240-69767-2	09/24/2016 15:01	
DR-SB-250-48-51	240-69767-3	09/24/2016 15:19	
DR-SB-250-72-75	240-69767-4	09/24/2016 15:38	
DR-SB-250-96-99	240-69767-5	09/24/2016 15:56	
DR-SB-250-120-123	240-69767-6	09/24/2016 16:14	
DR-SB-250-144-145	240-69767-7	09/24/2016 16:32	
	LCS 240-247990/24-A	09/24/2016 20:10	
DR-SB-250-72-75 MS	240-69767-4 MS	09/24/2016 21:23	
DR-SB-250-72-75 MSD	240-69767-4 MSD	09/24/2016 21:41	

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-247990/23-A

Matrix: Solid | Lab File ID: P110924027.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:31

Sample wt/vol: 10(g) | Date Analyzed: 09/24/2016 19:52

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248278 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	24	U	50	24
11104-28-2	Aroclor-1221	23	U	50	23
11141-16-5	Aroclor-1232	16	U	50	16
53469-21-9	Aroclor-1242	20	U	50	20
12672-29-6	Aroclor-1248	17	U	50	17
11097-69-1	Aroclor-1254	14	U	50	14
11096-82-5	Aroclor-1260	18	U	50	18
37324-23-5	Aroclor-1262	8.0	U	50	8.0
11100-14-4	Aroclor-1268	20	U	50	20

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	93		14-128
2051-24-3	DCB Decachlorobiphenyl	84		10-132

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P110924028.D

Lab ID: LCS 240-247990/24-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor-1016	1000	820	82	47-120	
Aroclor-1260	1000	841	84	46-120	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P110924032.D

Lab ID: 240-69767-4 MS Client ID: DR-SB-250-72-75 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Aroclor-1016	1070	27 U	723	68	31-120	
Aroclor-1260	1070	20 U	810	76	21-122	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P110924033.D

Lab ID: 240-69767-4 MSD Client ID: DR-SB-250-72-75 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aroclor-1016	1050	702	67	5	30	31-120	
Aroclor-1260	1050	800	76	1	30	21-122	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: MB 240-248002/23-A

Matrix: Solid Date Extracted: 09/22/2016 12:46

Lab File ID:(1) Lab File ID:(2) P120925026.D

Date Analyzed:(1) Date Analyzed:(2) 09/25/2016 20:53

Instrument ID:(1) Instrument ID:(2) A2HP12

GC Column:(1) ID: GC Column:(2) CLP-1 (0.53m ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
DR-SB-253-144-145	240-69767-28		09/25/2016 15:53
DR-SB-254-0-3	240-69767-29		09/25/2016 16:11
DR-SB-254-24-27	240-69767-30		09/25/2016 16:28
DR-SB-254-48-51	240-69767-31		09/25/2016 16:46
DR-SB-254-72-75	240-69767-32		09/25/2016 17:04
DR-SB-255-0-3	240-69767-33		09/25/2016 17:21
DR-SB-255-24-27	240-69767-34		09/25/2016 17:39
DR-SB-255-48-51	240-69767-35		09/25/2016 17:56
DR-SB-255-72-75	240-69767-36		09/25/2016 18:14
DR-SB-255-72-75 MS	240-69767-36 MS		09/25/2016 18:32
DR-SB-255-72-75 MSD	240-69767-36 MSD		09/25/2016 18:49
DR-SB-255-120-123	240-69767-38		09/25/2016 19:07
DR-SB-255-144-145	240-69767-39		09/25/2016 19:25
DR-SB-256-0-3	240-69767-40		09/25/2016 19:42
DR-SB-256-24-27	240-69767-41		09/25/2016 20:00
DR-SB-256-48-51	240-69767-42		09/25/2016 20:17
DR-SB-256-72-75	240-69767-43		09/25/2016 20:35
	LCS 240-248002/24-A		09/25/2016 21:10
DR-SB-256-96-99	240-69767-44		09/25/2016 21:46
DR-SB-256-120-123	240-69767-45		09/25/2016 22:03
DR-SB-256-144-145	240-69767-46		09/25/2016 22:21
DR-SB-257-0-3	240-69767-47		09/25/2016 22:38

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-248002/23-A

Matrix: Solid | Lab File ID: P120925026.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10(g) | Date Analyzed: 09/25/2016 20:53

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	24	U	50	24
11104-28-2	Aroclor-1221	23	U	50	23
11141-16-5	Aroclor-1232	16	U	50	16
53469-21-9	Aroclor-1242	20	U	50	20
12672-29-6	Aroclor-1248	17	U	50	17
11097-69-1	Aroclor-1254	14	U	50	14
11096-82-5	Aroclor-1260	18	U	50	18
37324-23-5	Aroclor-1262	8.0	U	50	8.0
11100-14-4	Aroclor-1268	20	U	50	20

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	59		14-128
2051-24-3	DCB Decachlorobiphenyl	61		10-132

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P120925027.D

Lab ID: LCS 240-248002/24-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor-1016	1000	660	66	47-120	
Aroclor-1260	1000	725	73	46-120	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P120925018.D

Lab ID: 240-69767-36 MS Client ID: DR-SB-255-72-75 MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Aroclor-1016	1130	26 U	389	34	31-120	p
Aroclor-1260	1130	19 U	323	28	21-122	p

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P120925019.D

Lab ID: 240-69767-36 MSD Client ID: DR-SB-255-72-75 MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aroclor-1016	1130	708	63	58	30	31-120	F2
Aroclor-1260	1130	615	55	21	30	21-122	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: MB 240-248139/20-A

Matrix: Solid Date Extracted: 09/23/2016 09:05

Lab File ID:(1) P120927027.D Lab File ID:(2)

Date Analyzed:(1) 09/27/2016 12:17 Date Analyzed:(2)

Instrument ID:(1) A2HP12 Instrument ID:(2)

GC Column:(1) CLP-2 (0.53m ID: 0.53(mm) GC Column:(2) ID:

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 240-248139/21-A	09/27/2016 12:34	
DR-SB-255-96-99	240-69767-37	09/27/2016 13:27	

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-248139/20-A

Matrix: Solid | Lab File ID: P120927027.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3540C | Date Extracted: 09/23/2016 09:05

Sample wt/vol: 10(g) | Date Analyzed: 09/27/2016 12:17

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248519 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	24	U	50	24
11104-28-2	Aroclor-1221	23	U	50	23
11141-16-5	Aroclor-1232	16	U	50	16
53469-21-9	Aroclor-1242	20	U	50	20
12672-29-6	Aroclor-1248	17	U	50	17
11097-69-1	Aroclor-1254	14	U	50	14
11096-82-5	Aroclor-1260	18	U	50	18
37324-23-5	Aroclor-1262	8.0	U	50	8.0
11100-14-4	Aroclor-1268	20	U	50	20

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	96		14-128
2051-24-3	DCB Decachlorobiphenyl	102		10-132

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: P120927028.D

Lab ID: LCS 240-248139/21-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor-1016	1000	768	77	47-120	
Aroclor-1260	1000	845	85	46-120	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: MB 240-248570/17-A

Matrix: Solid Date Extracted: 09/27/2016 09:20

Lab File ID:(1) SIG10025.D Lab File ID:(2)

Date Analyzed:(1) 09/29/2016 14:50 Date Analyzed:(2)

Instrument ID:(1) A2HP4 Instrument ID:(2) A2HP4

GC Column:(1) CLP-2 (0.53m ID: 0.53(mm) GC Column:(2) CLP-1 (0.53m ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
DR-SB-257-24-27	240-69767-48	09/29/2016 10:03	
DR-SB-257-48-51	240-69767-49	09/29/2016 10:20	09/29/2016 10:20
DR-SB-257-120-123	240-69767-52	09/29/2016 11:13	
DR-SB-257-144-145	240-69767-53	09/29/2016 11:31	
DR-SB-258-0-3	240-69767-54	09/29/2016 11:49	
DR-SB-258-24-27	240-69767-55	09/29/2016 12:07	
DR-SB-258-48-51	240-69767-56	09/29/2016 12:24	
DR-SB-258-72-75	240-69767-57	09/29/2016 12:42	
DR-SB-258-96-99	240-69767-58	09/29/2016 13:01	
DR-SB-258-120-123	240-69767-59	09/29/2016 13:19	
DR-SB-258-144-145	240-69767-60	09/29/2016 13:37	
DR-TP-A64-PRE-EX	240-69767-61	09/29/2016 13:56	09/29/2016 13:56
DR-TP-A64-PRE-EX MS	240-69767-61 MS	09/29/2016 14:14	
DR-TP-A64-PRE-EX MSD	240-69767-61 MSD	09/29/2016 14:33	
	LCS 240-248570/18-A	09/29/2016 15:09	
DR-SB-257-72-75	240-69767-50	10/02/2016 11:25	
DR-SB-257-96-99	240-69767-51	10/02/2016 11:44	

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-248570/17-A

Matrix: Solid | Lab File ID: SIG10025.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 10(g) | Date Analyzed: 09/29/2016 14:50

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	24	U	50	24
11104-28-2	Aroclor-1221	23	U	50	23
11141-16-5	Aroclor-1232	16	U	50	16
53469-21-9	Aroclor-1242	20	U	50	20
12672-29-6	Aroclor-1248	17	U	50	17
11097-69-1	Aroclor-1254	14	U	50	14
11096-82-5	Aroclor-1260	18	U	50	18
37324-23-5	Aroclor-1262	8.0	U	50	8.0
11100-14-4	Aroclor-1268	20	U	50	20

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	48		14-128
2051-24-3	DCB Decachlorobiphenyl	71		10-132

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: SIG10026.D

Lab ID: LCS 240-248570/18-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Aroclor-1016	1000	530	53	47-120	
Aroclor-1260	1000	566	57	46-120	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: SIG10023.D

Lab ID: 240-69767-61 MS Client ID: DR-TP-A64-PRE-EX MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Aroclor-1016	1210	31 U	513	43	31-120	
Aroclor-1260	1210	23 U	629	52	21-122	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: SIG10024.D

Lab ID: 240-69767-61 MSD Client ID: DR-TP-A64-PRE-EX MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aroclor-1016	1290	454	35	12	30	31-120	
Aroclor-1260	1290	620	48	1	30	21-122	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): CLP-2 (0.53 ID: 0.53(mm) GC Column (2): ID:

Client Sample ID	Lab Sample ID	TCX2 #	TCX1 #	DCBP2 #	DCBP1 #
DR-SB-250-0-3	240-69767-1		79		74
DR-SB-250-24-27	240-69767-2		69		65
DR-SB-250-48-51	240-69767-3		71		87
DR-SB-250-72-75	240-69767-4		76		98
DR-SB-250-96-99	240-69767-5		82		79
DR-SB-250-120-123	240-69767-6		80		87
DR-SB-250-144-145	240-69767-7		60		70 p
DR-SB-251-0-3	240-69767-8	77		94	
DR-SB-251-24-27	240-69767-9	74		61	
DR-SB-251-48-51	240-69767-10	49		48	
DR-SB-251-72-75	240-69767-11	77		82	
DR-SB-251-96-99	240-69767-12	45		50	
DR-SB-251-120-123	240-69767-13	64		92	
DR-SB-251-144-145	240-69767-14	62		43	
DR-SB-252-0-3	240-69767-15	53		65	
DR-SB-252-24-27	240-69767-16	66		160 X	
DR-SB-252-48-51	240-69767-17	66		50	
DR-SB-252-72-75	240-69767-18	85		62	
DR-SB-252-96-99	240-69767-19	82		13	
DR-SB-252-120-123	240-69767-20	62		90	
DR-SB-252-144-145	240-69767-21	76		62	
DR-SB-253-0-3	240-69767-22	49		49	
DR-SB-253-24-27	240-69767-23	71		141 X	
DR-SB-253-48-51	240-69767-24	75		16	
DR-SB-253-72-75	240-69767-25	63		102	
DR-SB-253-96-99	240-69767-26	69		80	
DR-SB-253-120-123	240-69767-27	38		38	
DR-SB-253-144-145	240-69767-28	50		44	
DR-SB-254-0-3	240-69767-29	64		72	
DR-SB-254-24-27	240-69767-30	62		107	
DR-SB-254-48-51	240-69767-31	48		60	
DR-SB-254-72-75	240-69767-32	62		64 p	
DR-SB-255-0-3	240-69767-33	57		80	
DR-SB-255-24-27	240-69767-34	63		70	
DR-SB-255-48-51	240-69767-35	66		70	

	QC LIMITS
TCX = Tetrachloro-m-xylene	14-128
DCBP = DCB Decachlorobiphenyl	10-132

Column to be used to flag recovery values

FORM II 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): CLP-1 (0.53 ID: 0.53(mm) GC Column (2): CLP-1 (0.53 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX2	#	TCX1	#	DCBP2	#	DCBP1	#
DR-SB-255-72-75	240-69767-36	64				174	X		
DR-SB-255-96-99	240-69767-37			71				107	
DR-SB-255-120-123	240-69767-38	58				150	X		
DR-SB-255-144-145	240-69767-39	26	p			238	X		
DR-SB-256-0-3	240-69767-40	76				73			
DR-SB-256-24-27	240-69767-41	49				120			
DR-SB-256-48-51	240-69767-42	60				75			
DR-SB-256-72-75	240-69767-43	54				63			
DR-SB-256-96-99	240-69767-44	76				79			
DR-SB-256-120-123	240-69767-45	74				72			
DR-SB-256-144-145	240-69767-46	48				91			
DR-SB-257-0-3	240-69767-47	56				51			
DR-SB-257-24-27	240-69767-48			51				68	
DR-SB-257-48-51	240-69767-49	50		56		59		74	
DR-SB-257-72-75	240-69767-50			51				47	p
DR-SB-257-96-99	240-69767-51			62				57	p
DR-SB-257-120-123	240-69767-52			49				99	
DR-SB-257-144-145	240-69767-53			63				194	X
DR-SB-258-0-3	240-69767-54			50				94	
DR-SB-258-24-27	240-69767-55			49				82	
DR-SB-258-48-51	240-69767-56			46				57	
DR-SB-258-72-75	240-69767-57			46				61	
DR-SB-258-96-99	240-69767-58			60				92	
DR-SB-258-120-123	240-69767-59			43				77	
DR-SB-258-144-145	240-69767-60			50				65	
DR-TP-A64-PRE-EX	240-69767-61	45		48		62	p	96	
	MB 240-247989/23-A	83				75			
	MB 240-247990/23-A			93				84	
	MB 240-248002/23-A	59				61			
	MB 240-248139/20-A			96				102	
	MB 240-248570/17-A			48				71	
	LCS 240-247989/24-A	82				78			

	QC LIMITS
TCX = Tetrachloro-m-xylene	14-128
DCBP = DCB Decachlorobiphenyl	10-132

Column to be used to flag recovery values

FORM II 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): CLP-2 (0.53 ID: 0.53(mm) GC Column (2): ID:

Client Sample ID	Lab Sample ID	TCX2 #	TCX1 #	DCBP2 #	DCBP1 #
	LCS 240-247990/24-A		83		80
	LCS 240-248002/24-A	68		72	
	LCS 240-248139/21-A		77		85
	LCS 240-248570/18-A		52		82
DR-SB-250-72-75 MS	240-69767-4 MS		66		92
DR-SB-253-120-123 MS	240-69767-27 MS	60		70	
DR-SB-255-72-75 MS	240-69767-36 MS	37 p		116	
DR-TP-A64-PRE-EX MS	240-69767-61 MS		47		87
DR-SB-250-72-75 MSD	240-69767-4 MSD		67		85
DR-SB-253-120-123 MSD	240-69767-27 MSD	67		65	
DR-SB-255-72-75 MSD	240-69767-36 MSD	66		213 X	
DR-TP-A64-PRE-EX MSD	240-69767-61 MSD		38		88

	QC LIMITS
TCX = Tetrachloro-m-xylene	14-128
DCBP = DCB Decachlorobiphenyl	10-132

Column to be used to flag recovery values

FORM II 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: STD05 240-247657/31 Date Analyzed: 09/21/2016 02:50

Instrument ID: A2HP10 GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): P100920031.D Heated Purge: (Y/N) N

Calibration ID: 36126

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		303929501	2.80				
UPPER LIMIT		607859002	3.30				
LOWER LIMIT		151964751	2.30				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-247657/34		297400058	2.83				
ICV 240-247657/35		302518976	2.78				
ICV 240-247657/36		319248757	2.79				
ICV 240-247657/37		284563759	2.79				
ICV 240-247657/38		324170116	2.79				
ICV 240-247657/39		277563939	2.78				
ICV 240-247657/40		317526443	2.79				
ICV 240-247657/41		296530507	2.79				
CCV 240-248277/3 CCVIS		290294768	2.78				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: STD05 240-247657/31 Date Analyzed: 09/21/2016 02:50

Instrument ID: A2HP10 GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): P100920031.D Heated Purge: (Y/N) N

Calibration ID: 36127

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		169703918	3.37				
UPPER LIMIT		339407836	3.87				
LOWER LIMIT		84851959	2.87				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-247657/34		170855509	3.39				
ICV 240-247657/35		173995154	3.36				
ICV 240-247657/36		180681994	3.37				
ICV 240-247657/37		161223137	3.37				
ICV 240-247657/38		182920000	3.37				
ICV 240-247657/39		153341580	3.36				
ICV 240-247657/40		179558101	3.36				
ICV 240-247657/41		167489126	3.37				
CCV 240-249387/3 CCVIS		156269206	3.36				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: CCV 240-248277/3 Date Analyzed: 09/24/2016 11:42

Instrument ID: A2HP10 GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): P100924003.D Heated Purge: (Y/N) N

Calibration ID: 36126

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		290294768	2.78				
UPPER LIMIT		580589536	3.28				
LOWER LIMIT		145147384	2.28				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-248277/4		305131862	2.79				
CCV 240-248277/5		310307403	2.79				
CCV 240-248277/7		302207628	2.79				
CCV 240-248277/9		278497154	2.79				
240-69767-8	DR-SB-251-0-3	292602709	2.79				
240-69767-9	DR-SB-251-24-27	333327332	2.79				
240-69767-10	DR-SB-251-48-51	347457674	2.80				
240-69767-11	DR-SB-251-72-75	186127027	2.76				
240-69767-12	DR-SB-251-96-99	288355408	2.80				
240-69767-13	DR-SB-251-120-123	200089242	2.79				
240-69767-14	DR-SB-251-144-145	267645304	2.79				
240-69767-15	DR-SB-252-0-3	284908566	2.80				
240-69767-16	DR-SB-252-24-27	283485083	2.80				
240-69767-17	DR-SB-252-48-51	279436192	2.80				
240-69767-18	DR-SB-252-72-75	216361987	2.80				
240-69767-19	DR-SB-252-96-99	226747888	2.80				
240-69767-20	DR-SB-252-120-123	254101263	2.79				
240-69767-21	DR-SB-252-144-145	285265929	2.80				
240-69767-22	DR-SB-253-0-3	256277096	2.78				
240-69767-23	DR-SB-253-24-27	280336403	2.79				
240-69767-24	DR-SB-253-48-51	217253984	2.79				
MB 240-247989/23-A		300840122	2.79				
LCS 240-247989/24-A		289051036	2.78				

BNB = 1-Bromo-2-nitrobenzene
BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: CCVIS 240-248277/29 Date Analyzed: 09/24/2016 20:37

Instrument ID: A2HP10 GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): P100924029.D Heated Purge: (Y/N) N

Calibration ID: 36126

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		394625689	2.79				
UPPER LIMIT		789251378	3.29				
LOWER LIMIT		197312845	2.29				
LAB SAMPLE ID	CLIENT SAMPLE ID						
240-69767-25	DR-SB-253-72-75	281872935	2.79				
240-69767-26	DR-SB-253-96-99	291538878	2.78				
240-69767-27	DR-SB-253-120-123	312104833	2.80				
240-69767-27 MS	DR-SB-253-120-123 MS	281368984	2.79				
240-69767-27 MSD	DR-SB-253-120-123 MSD	296456869	2.79				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: CCV 240-249387/3 Date Analyzed: 10/02/2016 09:32

Instrument ID: A2HP10 GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): P100102003.D Heated Purge: (Y/N) N

Calibration ID: 36127

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		156269206	3.36				
UPPER LIMIT		312538412	3.86				
LOWER LIMIT		78134603	2.86				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-249387/4		165025931	3.36				
CCV 240-249387/5		156052194	3.36				
CCV 240-249387/6		172621167	3.37				
CCV 240-249387/7		163463658	3.37				
240-69767-50	DR-SB-257-72-75	167567096	3.37				
240-69767-51	DR-SB-257-96-99	157797679	3.36				

BNB = 1-Bromo-2-nitrobenzene
BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: STD05 240-242577/31 Date Analyzed: 08/15/2016 19:36

Instrument ID: A2HP11 GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): P110815031.D Heated Purge: (Y/N) N

Calibration ID: 35700

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		248041940	3.68				
UPPER LIMIT		496083880	4.18				
LOWER LIMIT		124020970	3.18				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-242577/34		312197950	3.69				
ICV 240-242577/35		308968857	3.69				
ICV 240-242577/36		254078848	3.68				
ICV 240-242577/37		303651288	3.69				
ICV 240-242577/38		295012594	3.68				
ICV 240-242577/39		293707750	3.68				
ICV 240-242577/40		324704038	3.68				
ICV 240-242577/41		315271604	3.68				
CCV 240-248278/3 CCVIS		250917784	3.68				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: CCV 240-248278/3 Date Analyzed: 09/24/2016 11:38

Instrument ID: A2HP11 GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): P110924003.D Heated Purge: (Y/N) N

Calibration ID: 35700

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		250917784	3.68				
UPPER LIMIT		501835568	4.18				
LOWER LIMIT		125458892	3.18				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-248278/4		247301601	3.67				
CCV 240-248278/5		241083449	3.66				
CCV 240-248278/6		244794078	3.66				
CCV 240-248278/7		232034848	3.66				
240-69767-1	DR-SB-250-0-3	242936724	3.66				
240-69767-2	DR-SB-250-24-27	232378642	3.66				
240-69767-3	DR-SB-250-48-51	237914076	3.67				
240-69767-4	DR-SB-250-72-75	228216570	3.67				
240-69767-5	DR-SB-250-96-99	251961607	3.67				
240-69767-6	DR-SB-250-120-123	206350621	3.66				
240-69767-7	DR-SB-250-144-145	211573051	3.67				
MB 240-247990/23-A		258486539	3.67				
LCS 240-247990/24-A		264908363	3.67				

BNB = 1-Bromo-2-nitrobenzene
BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: CCVIS 240-248278/29 Date Analyzed: 09/24/2016 20:29

Instrument ID: A2HP11 GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): P110924029.D Heated Purge: (Y/N) N

Calibration ID: 35700

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		301530989	3.67				
UPPER LIMIT		603061978	4.17				
LOWER LIMIT		150765495	3.17				
LAB SAMPLE ID	CLIENT SAMPLE ID						
240-69767-4 MS	DR-SB-250-72-75 MS	256491883	3.67				
240-69767-4 MSD	DR-SB-250-72-75 MSD	261323561	3.66				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: STD05 240-245359/31 Date Analyzed: 09/05/2016 20:01

Instrument ID: A2HP12 GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): P120905031.D Heated Purge: (Y/N) N

Calibration ID: 35909

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		282367314	2.88				
UPPER LIMIT		564734628	3.38				
LOWER LIMIT		141183657	2.38				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-245359/34		380409859	2.88				
ICV 240-245359/35		389588499	2.88				
ICV 240-245359/36		376210725	2.88				
ICV 240-245359/37		348994458	2.87				
ICV 240-245359/38		386688972	2.87				
ICV 240-245359/39		469504016	2.88				
ICV 240-245359/40		698054315*	2.87				
ICV 240-245359/41		390572844	2.88				
CCV 240-248312/3 CCVIS		323947258	2.87				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: STD05 240-245359/31 Date Analyzed: 09/05/2016 20:01

Instrument ID: A2HP12 GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): P120905031.D Heated Purge: (Y/N) N

Calibration ID: 35910

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		73297932	3.61				
UPPER LIMIT		146595864	4.11				
LOWER LIMIT		36648966	3.11				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-245359/34		97833662	3.61				
ICV 240-245359/35		100111862	3.61				
ICV 240-245359/36		96633496	3.61				
ICV 240-245359/37		90292919	3.60				
ICV 240-245359/38		99873216	3.61				
ICV 240-245359/39		119775196	3.61				
ICV 240-245359/40		174222366*	3.61				
ICV 240-245359/41		101940548	3.61				
CCV 240-248519/3 CCVIS		90838620	3.60				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: CCV 240-248312/3 Date Analyzed: 09/25/2016 14:07

Instrument ID: A2HP12 GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): P120925003.D Heated Purge: (Y/N) N

Calibration ID: 35909

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		323947258	2.87				
UPPER LIMIT		647894516	3.37				
LOWER LIMIT		161973629	2.37				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-248312/4		330021610	2.87				
CCV 240-248312/5		322514702	2.87				
CCV 240-248312/6		339065829	2.88				
CCV 240-248312/7		309223618	2.87				
240-69767-28	DR-SB-253-144-145	340518221	2.89				
240-69767-29	DR-SB-254-0-3	383284539	2.88				
240-69767-30	DR-SB-254-24-27	369419383	2.88				
240-69767-31	DR-SB-254-48-51	490890013	2.87				
240-69767-32	DR-SB-254-72-75	393926916	2.88				
240-69767-33	DR-SB-255-0-3	386111465	2.87				
240-69767-34	DR-SB-255-24-27	358669360	2.88				
240-69767-35	DR-SB-255-48-51	355294526	2.87				
240-69767-36	DR-SB-255-72-75	374073947	2.88				
240-69767-36 MS	DR-SB-255-72-75 MS	618570103	2.86				
240-69767-36 MSD	DR-SB-255-72-75 MSD	372589553	2.88				
240-69767-38	DR-SB-255-120-123	360871014	2.88				
240-69767-39	DR-SB-255-144-145	392099910	2.89				
240-69767-40	DR-SB-256-0-3	364236769	2.89				
240-69767-41	DR-SB-256-24-27	414270903	2.87				
240-69767-42	DR-SB-256-48-51	354033506	2.89				
240-69767-43	DR-SB-256-72-75	365268578	2.88				
MB 240-248002/23-A		363350796	2.88				
LCS 240-248002/24-A		362478915	2.88				

BNB = 1-Bromo-2-nitrobenzene
BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: CCVIS 240-248312/28 Date Analyzed: 09/25/2016 21:28

Instrument ID: A2HP12 GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): P120925028.D Heated Purge: (Y/N) N

Calibration ID: 35909

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		437665812	2.88				
UPPER LIMIT		875331624	3.38				
LOWER LIMIT		218832906	2.38				
LAB SAMPLE ID	CLIENT SAMPLE ID						
240-69767-44	DR-SB-256-96-99	381768872	2.88				
240-69767-45	DR-SB-256-120-123	367651028	2.87				
240-69767-46	DR-SB-256-144-145	422883634	2.89				
240-69767-47	DR-SB-257-0-3	390236287	2.88				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: CCV 240-248519/3 Date Analyzed: 09/27/2016 05:13

Instrument ID: A2HP12 GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): P120927003.D Heated Purge: (Y/N) N

Calibration ID: 35910

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		90838620	3.60				
UPPER LIMIT		181677240	4.10				
LOWER LIMIT		45419310	3.10				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-248519/4		93829596	3.61				
CCV 240-248519/5		95303487	3.61				
CCV 240-248519/6		94084055	3.60				
CCV 240-248519/7		91299368	3.60				
MB 240-248139/20-A		78360937	3.60				
LCS 240-248139/21-A		81260624	3.61				

BNB = 1-Bromo-2-nitrobenzene
BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: CCVIS 240-248519/29 Date Analyzed: 09/27/2016 12:52

Instrument ID: A2HP12 GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): P120927029.D Heated Purge: (Y/N) N

Calibration ID: 35910

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		107489729	3.60				
UPPER LIMIT		214979458	4.10				
LOWER LIMIT		53744865	3.10				
LAB SAMPLE ID	CLIENT SAMPLE ID						
240-69767-37	DR-SB-255-96-99	74916852	3.60				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: STD05 240-248056/31 Date Analyzed: 09/22/2016 23:48

Instrument ID: A2HP4 GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): SIG10031.D Heated Purge: (Y/N) N

Calibration ID: 36168

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		412536826	2.21				
UPPER LIMIT		825073652	2.71				
LOWER LIMIT		206268413	1.71				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-248056/34		387785144	2.21				
ICV 240-248056/35		473808307	2.21				
ICV 240-248056/36		488522663	2.21				
ICV 240-248056/37		407661490	2.21				
ICV 240-248056/39		419321418	2.21				
ICV 240-248056/40		435675048	2.21				
ICV 240-248056/41		381644116	2.22				
ICV 240-248056/42		360661824	2.21				
CCV 240-248994/3 CCVIS		454821493	2.22				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: CCV 240-248994/3 Date Analyzed: 09/29/2016 05:55

Instrument ID: A2HP4 GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): SIG10003.D Heated Purge: (Y/N) N

Calibration ID: 36168

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		454821493	2.22				
UPPER LIMIT		909642986	2.72				
LOWER LIMIT		227410747	1.72				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-248994/4		449605567	2.22				
CCV 240-248994/5		426417888	2.22				
CCV 240-248994/6		437070664	2.22				
CCV 240-248994/7		445952456	2.22				
240-69767-48	DR-SB-257-24-27	548033360	2.22				
240-69767-49	DR-SB-257-48-51	543071831	2.22				
240-69767-52	DR-SB-257-120-123	411709207	2.22				
240-69767-53	DR-SB-257-144-145	359358413	2.22				
240-69767-54	DR-SB-258-0-3	545278275	2.22				
240-69767-55	DR-SB-258-24-27	541775955	2.22				
240-69767-56	DR-SB-258-48-51	619195127	2.22				
240-69767-57	DR-SB-258-72-75	613719410	2.22				
240-69767-58	DR-SB-258-96-99	475137416	2.22				
240-69767-59	DR-SB-258-120-123	536699662	2.22				
240-69767-60	DR-SB-258-144-145	585278223	2.22				
240-69767-61	DR-TP-A64-PRE-EX	551934144	2.22				
240-69767-61 MS	DR-TP-A64-PRE-EX MS	576793313	2.22				
240-69767-61 MSD	DR-TP-A64-PRE-EX MSD	572132618	2.22				
MB 240-248570/17-A		619363938	2.22				
LCS 240-248570/18-A		618299255	2.22				

BNB = 1-Bromo-2-nitrobenzene
BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8082A

Method 8270C

Semivolatile Organic Compounds (GC/MS) by Method 8270C

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab File ID: 60929001.D DFTPP Injection Date: 09/29/2016

Instrument ID: A4HP9 DFTPP Injection Time: 08:19

Analysis Batch No.: 248966

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	39.5	
68	Less than 2.0% of mass 69	0.0	(0.0) 1
69	Mass 69 relative abundance	47.6	
70	Less than 2.0% of mass 69	0.0	(0.0) 1
127	25.0 - 75.0% of mass 198	46.5	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	6.5	
275	10.0- 30.0% of mass 198	24.4	
365	Greater than 0.75% of mass 198	3.4	
441	Present, but less than mass 443	12.7	
442	40.0 - 110.0% of mass 198	80.0	
443	15.0 - 24.0% of mass 442	15.8	(19.7) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD5 240-248966/2	60929002.D	09/29/2016	08:43
	STD4 240-248966/3	60929003.D	09/29/2016	09:09
	STD3 240-248966/4	60929004.D	09/29/2016	09:34
	STD2 240-248966/5	60929005.D	09/29/2016	09:59
	STD1 240-248966/6	60929006.D	09/29/2016	10:24
	STD6 240-248966/7	60929007.D	09/29/2016	10:50
	STD7 240-248966/8	60929008.D	09/29/2016	11:15
	STD8 240-248966/9	60929009.D	09/29/2016	11:40
	STD9 240-248966/10	60929010.D	09/29/2016	12:05
	ICV 240-248966/11	60929011.D	09/29/2016	12:31

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248966

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS/ ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2016 08:43 Calibration End Date: 09/29/2016 12:05 Calibration ID: 36223

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-248966/6	60929006.D
Level 2	STD2 240-248966/5	60929005.D
Level 3	STD3 240-248966/4	60929004.D
Level 4	STD4 240-248966/3	60929003.D
Level 5	STD5 240-248966/2	60929002.D
Level 6	STD6 240-248966/7	60929007.D
Level 7	STD7 240-248966/8	60929008.D
Level 8	STD8 240-248966/9	60929009.D
Level 9	STD9 240-248966/10	60929010.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.6235	0.6072 0.6744	0.6676 0.6486	0.5902 0.6767	0.6780	Ave		0.6458				5.4		15.0			
N-Nitrosodimethylamine	0.9883	0.9196 1.0356	0.9477 1.1025	0.9225 1.0469	1.0197	Ave		0.9978				6.5		15.0			
Pyridine	2.0555 1.7322	1.6362 1.7647	1.6385 1.8259	1.6430 1.7799	1.8304	Ave		1.7674				7.5		15.0			
Benzaldehyde	1.8218 1.5613	1.6827 1.5897	1.5953 1.5775	1.5540 1.4766	1.7270	Ave		1.6207				6.5		15.0			
Phenol	1.9582	1.9205 2.0405	1.9163 2.1545	1.9049 2.1294	2.0246	Ave		2.0061				4.9		15.0			
Aniline	2.3537	2.2551 2.4596	2.4435 2.5999	2.2350 2.5232	2.4610	Ave		2.4164				5.2		15.0			
Bis(2-chloroethyl)ether	1.5595	1.5062 1.6673	1.5872 1.6988	1.4743 1.6753	1.5612	Ave		1.5912				5.2		15.0			
2-Chlorophenol	1.3988	1.3772 1.4303	1.3533 1.5374	1.2720 1.4811	1.3881	Ave		1.4048				5.7		15.0			
n-Decane	1.5314	1.4823 1.5635	1.5781 1.6630	1.5127 1.6310	1.5890	Ave		1.5689				3.8		15.0			
1,3-Dichlorobenzene	1.5723	1.6788 1.6011	1.5064 1.6629	1.4497 1.6220	1.6063	Ave		1.5874				4.9		15.0			
1,4-Dichlorobenzene	1.5798	1.5837 1.6231	1.4820 1.7038	1.5666 1.6647	1.6756	Ave		1.6099				4.5		15.0			
Benzyl alcohol	1.0174	0.9836 1.0547	0.9527 1.1085	0.9208 1.0929	1.0103	Ave		1.0176				6.4		15.0			
1,2-Dichlorobenzene	1.4839	1.4275 1.5175	1.5175 1.6080	1.4172 1.5815	1.5125	Ave		1.5082				4.4		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248966

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS/ ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2016 08:43 Calibration End Date: 09/29/2016 12:05 Calibration ID: 36223

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2-Methylphenol	1.3872	1.5061 1.4721	1.3673 1.5625	1.3019 1.5242	1.5151	Ave		1.4546				6.3		15.0			
bis (2-chloroisopropyl) ether	1.5474	1.6585 1.6362	1.6266 1.7084	1.4581 1.6541	1.5972	Ave		1.6108				4.8		15.0			
Indene	2.8839	2.8004 3.0452	2.8948 3.2577	2.6824 3.1884	2.8806	Ave		2.9542				6.6		15.0			
3 & 4 Methylphenol	1.5030	1.4621 1.5838	1.4376 1.6745	1.3919 1.6444	1.4976	Ave		1.5244				6.6		15.0			
N-Nitrosodi-n-propylamine	1.3387	1.2272 1.3496	1.3405 1.4417	1.2245 1.3910	1.3944	Ave		1.3384			0.0500	5.8		15.0			
Acetophenone	2.2989	2.3611 2.4154	2.3643 2.5827	2.2221 2.5140	2.4399	Ave		2.3998				4.8		15.0			
Hexachloroethane	0.7379	0.7306 0.7503	0.6764 0.7806	0.6536 0.7673	0.7237	Ave		0.7275				6.0		15.0			
Nitrobenzene	0.5885	0.5650 0.5926	0.5537 0.5992	0.5468 0.5622	0.5498	Ave		0.5697				3.6		15.0			
Isophorone	0.9878	0.8958 1.0105	0.8568 1.0240	0.9207 0.9852	0.9131	Ave		0.9492				6.4		15.0			
2-Nitrophenol	0.2094	0.1738 0.2205	0.1763 0.2273	0.1852 0.2221	0.1876	Ave		0.2003				10.9		15.0			
2,4-Dimethylphenol	0.4913	0.4657 0.5184	0.4573 0.5157	0.4756 0.4940	0.4747	Ave		0.4866				4.6		15.0			
Benzoic acid	0.2122	+++++ 0.2357	0.1192 0.2498	0.1696 0.2394	0.1909	Lin1	-0.306	0.2452							0.9970		0.9900
Bis(2-chloroethoxy)methane	0.5033	0.4839 0.5123	0.4648 0.5304	0.4766 0.5106	0.4636	Ave		0.4932				5.0		15.0			
2,4-Dichlorophenol	0.3356	0.2599 0.3397	0.3028 0.3509	0.2949 0.3409	0.3054	Ave		0.3163				9.8		15.0			
1,2,4-Trichlorobenzene	0.3905	0.3814 0.4037	0.3757 0.4112	0.3575 0.3969	0.3648	Ave		0.3852				4.9		15.0			
Naphthalene	1.1314 1.1118	1.0683 1.1882	1.0471 1.1942	1.0742 1.1885	1.0711	Ave		1.1194				5.2		15.0			
4-Chloroaniline	0.4573	0.4237 0.4739	0.4361 0.4999	0.4710 0.5082	0.4616	Ave		0.4665				6.2		15.0			
2,6-Dichlorophenol	0.3222	0.2866 0.3371	0.3216 0.3446	0.3232 0.3371	0.2967	Ave		0.3211				6.3		15.0			
Hexachlorobutadiene	0.2451	0.2494 0.2528	0.2405 0.2559	0.2403 0.2391	0.2234	Ave		0.2433				4.2		15.0			
Caprolactam	0.1235	0.0949 0.1319	0.1138 0.1295	0.1156 0.1246	0.1095	Ave		0.1179				10.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248966

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS/ ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2016 08:43 Calibration End Date: 09/29/2016 12:05 Calibration ID: 36223

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	0.4310	0.3947 0.4334	0.3837 0.4454	0.3839 0.4264	0.3940	Ave		0.4116				6.1		15.0			
2-Methylnaphthalene	0.7195 0.7452	0.6599 0.7611	0.6758 0.7942	0.6892 0.7619	0.6768	Ave		0.7204				6.6		15.0			
1-Methylnaphthalene	0.5799 0.6835	0.6301 0.7169	0.6446 0.7446	0.6574 0.7302	0.6273	Ave		0.6683				8.2		15.0			
Hexachlorocyclopentadiene	0.4040	0.3399 0.4073	0.3181 0.4203	0.3526 0.3910	0.3944	Ave		0.3784			0.0500	9.7		15.0			
1,2,4,5-Tetrachlorobenzene	0.6410	0.6785 0.6476	0.5892 0.6602	0.6186 0.6478	0.6252	Ave		0.6385				4.3		15.0			
2,4,6-Trichlorophenol	0.3972	0.3618 0.4156	0.3853 0.4249	0.3881 0.4203	0.3862	Ave		0.3974				5.4		15.0			
2,4,5-Trichlorophenol	0.4192	0.3661 0.4240	0.4179 0.4160	0.3841 0.4066	0.3917	Ave		0.4032				5.1		15.0			
1,1'-Biphenyl	1.4886 1.5460	1.5049 1.5963	1.4538 1.6699	1.4740 1.6306	1.5282	Ave		1.5436				4.8		15.0			
2-Chloronaphthalene	1.2444 1.1768	1.1436 1.2402	1.1397 1.2794	1.1563 1.2405	1.1666	Ave		1.1986				4.4		15.0			
2-Nitroaniline	0.5100	0.3553 0.5068	0.4234 0.4992	0.4250 0.4797	0.4632	Ave		0.4578				11.7		15.0			
Dimethyl phthalate	1.4674	1.4678 1.4292	1.3816 1.4423	1.3860 1.3989	1.3591	Ave		1.4165				2.9		15.0			
1,3-Dinitrobenzene	0.2259	0.1742 0.2262	0.1841 0.2369	0.1904 0.2263	0.2213	Ave		0.2106				11.3		15.0			
2,6-Dinitrotoluene	0.3244	0.2832 0.3391	0.2682 0.3340	0.3064 0.3209	0.3093	Ave		0.3107				7.9		15.0			
Acenaphthylene	1.6539 1.7528	1.6004 1.7905	1.5687 1.8480	1.6137 1.7823	1.6825	Ave		1.6992				5.8		15.0			
3-Nitroaniline	0.3094	0.2242 0.3190	0.2610 0.3190	0.2674 0.3197	0.3026	Ave		0.2903				12.2		15.0			
2,4-Dinitrophenol	0.1833	+++++ 0.2006	0.0907 0.2131	0.1355 0.2149	0.1700	Lin1	-0.301	0.2146			0.0500				0.9970		0.9900
Acenaphthene	1.4127 1.1809	1.1545 1.2210	1.0713 1.2674	1.0809 1.2464	1.1293	Ave		1.1960				8.9		15.0			
4-Nitrophenol	0.3317	0.2385 0.3382	0.3080 0.3307	0.2838 0.3085	0.3082	Ave		0.3059			0.0500	10.6		15.0			
2,4-Dinitrotoluene	0.4315	0.3167 0.4371	0.3877 0.4586	0.4074 0.4506	0.4150	Ave		0.4131				11.0		15.0			
Dibenzofuran	1.9690 1.7366	1.5832 1.7762	1.6005 1.8258	1.6411 1.7695	1.6435	Ave		1.7272				7.2		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248966

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS/ ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2016 08:43 Calibration End Date: 09/29/2016 12:05 Calibration ID: 36223

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
2,3,4,6-Tetrachlorophenol	0.3423	0.3067 0.3372	0.2662 0.3596	0.3442 0.3503	0.3232	Ave		0.3287				9.2		15.0			
Diethyl phthalate	1.3957	1.4533 1.4048	1.3124 1.4813	1.4496 1.4686	1.3991	Ave		1.4206				3.9		15.0			
Hexadecane	0.8667	0.8367 0.8905	0.7995 0.9199	0.7927 0.8901	0.8226	Ave		0.8523				5.5		15.0			
4-Chlorophenyl phenyl ether	0.7426	0.7027 0.7661	0.6895 0.7696	0.7042 0.7402	0.7206	Ave		0.7294				4.1		15.0			
4-Nitroaniline	0.2719	0.2171 0.3027	0.2603 0.3311	0.2612 0.3258	0.2394	Ave		0.2762				14.7		15.0			
Fluorene	1.3986 1.4164	1.2783 1.4465	1.3823 1.4868	1.3170 1.4400	1.3450	Ave		1.3901				4.8		15.0			
4,6-Dinitro-2-methylphenol	0.1641	+++++ 0.1815	0.0862 0.1881	0.1117 0.1787	0.1388	Lin1	-0.258	0.1859							0.9970		0.9900
Diphenylamine	0.6660	0.5652 0.6674	0.6126 0.6912	0.5852 0.6506	0.6556	Ave		0.6367				6.9		15.0			
N-Nitrosodiphenylamine	0.5665	0.4808 0.5678	0.5212 0.5880	0.4979 0.5535	0.5577	Ave		0.5417				6.9		15.0			
1,2-Diphenylhydrazine	1.1772	0.9646 1.1762	1.0323 1.1302	0.9887 1.0269	1.0903	Ave		1.0740				7.6		15.0			
Azobenzene	1.1768	0.9646 1.1769	1.0344 1.1300	0.9927 1.0270	1.0899	Ave		1.0740				7.6		15.0			
4-Bromophenyl phenyl ether	0.2572	0.1845 0.2504	0.2209 0.2379	0.2246 0.2247	0.2301	Ave		0.2288				9.7		15.0			
Atrazine	0.2835 0.2943	0.2084 0.2928	0.2218 0.2763	0.2157 0.2618	0.2480	Ave		0.2558				13.2		15.0			
Hexachlorobenzene	0.2804 0.2784	0.1931 0.2742	0.2513 0.2709	0.2200 0.2540	0.2462	Ave		0.2520				11.6		15.0			
n-Octadecane	0.4832	0.4892 0.4667	0.4655 0.4479	0.4483 0.4112	0.5012	Ave		0.4642				6.1		15.0			
Pentachlorophenol	0.1754	0.1118 0.1920	0.1217 0.2002	0.1386 0.1891	0.1533	Lin1	-0.130	0.1924							0.9960		0.9900
Phenanthrene	1.2582 1.1538	1.1230 1.2338	1.1143 1.2881	1.0975 1.2363	1.1051	Ave		1.1789				6.3		15.0			
Anthracene	1.2716 1.1661	1.0304 1.2618	1.1246 1.3180	1.0943 1.2666	1.1517	Ave		1.1872				8.2		15.0			
Carbazole	1.0811	0.8658 1.1305	0.9206 1.0975	0.8942 1.0161	0.9016	Ave		0.9884				10.6		15.0			
Di-n-butyl phthalate	1.4578	1.1709 1.4274	1.0561 1.3843	1.0514 1.3170	1.2223	Ave		1.2609				12.7		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248966

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS/ ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2016 08:43 Calibration End Date: 09/29/2016 12:05 Calibration ID: 36223

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Fluoranthene	1.2743 1.4667	1.1591 1.4676	1.1286 1.4911	1.0945 1.4114	1.2320	Ave		1.3028				12.2		15.0			
Benzidine	 0.6048	+++++ 0.6977	0.2809 0.7035	0.2713 0.6657	0.4717	Lin1	-1.247	0.7022							0.9930		0.9900
Pyrene	1.2764 1.2037	1.0949 1.3236	1.1100 1.3414	1.0518 1.3132	1.1472	Ave		1.2069				9.1		15.0			
Butyl benzyl phthalate	 0.5447	0.4323 0.6008	0.4913 0.6024	0.4933 0.5807	0.5143	Ave		0.5325				11.4		15.0			
Bis(2-ethylhexyl) phthalate	 0.7104	0.5895 0.7960	0.6522 0.8027	0.6511 0.7673	0.6999	Ave		0.7086				10.8		15.0			
3,3'-Dichlorobenzidine	 0.3706	0.2610 0.4326	0.3009 0.4458	0.3253 0.4425	0.3591	Lin1	-0.274	0.4350							0.9950		0.9900
Benzo[a]anthracene	1.2379 1.0873	1.0540 1.2086	1.1261 1.2193	1.0312 1.1875	1.0436	Ave		1.1328				7.2		15.0			
Chrysene	1.2518 1.0173	1.0071 1.1575	1.0195 1.1431	0.9903 1.1185	1.0138	Ave		1.0799				8.4		15.0			
Di-n-octyl phthalate	 1.8213	1.2331 2.0561	1.5035 2.0257	1.5634 2.0176	1.6644	Lin1	-0.562	2.0137							0.9970		0.9900
Benzo[b]fluoranthene	1.3787 1.5148	1.2154 1.7863	1.3556 1.7033	1.4142 1.6723	1.4234	Ave		1.4960				12.6		15.0			
Benzo[k]fluoranthene	1.4125 1.6262	1.3980 1.7563	1.5042 1.8464	1.3950 1.8051	1.5170	Ave		1.5845				11.4		15.0			
Benzo[a]pyrene	1.4278 1.4830	1.1277 1.6631	1.3029 1.6529	1.3293 1.6132	1.3797	Ave		1.4422				12.5		15.0			
Indeno[1,2,3-cd]pyrene	1.2829 1.5735	1.1829 1.7222	1.2629 1.7239	1.4189 1.6862	1.4619	Ave		1.4795				14.1		15.0			
Dibenz(a,h)anthracene	1.0646 1.2858	0.9565 1.4570	1.1263 1.4697	1.1571 1.4234	1.2050	Ave		1.2384				14.8		15.0			
Benzo[g,h,i]perylene	1.1036 1.2408	1.1395 1.4047	1.1520 1.3558	1.1595 1.3277	1.2551	Ave		1.2376				8.6		15.0			
2-Fluorophenol (Surr)	 1.3919	1.3154 1.4146	1.4778 1.4841	1.3751 1.4231	1.4062	Ave		1.4110				3.9		15.0			
Phenol-d5 (Surr)	 1.8511	1.6963 1.9083	1.7460 1.9714	1.8024 1.9562	1.8677	Ave		1.8499				5.3		15.0			
Nitrobenzene-d5 (Surr)	0.6521 0.6225	0.5836 0.6379	0.5781 0.6276	0.5605 0.6002	0.5732	Ave		0.6040				5.3		15.0			
2-Fluorobiphenyl (Surr)	1.5147 1.3306	1.2586 1.3452	1.2892 1.4056	1.2778 1.3677	1.2987	Ave		1.3431				5.9		15.0			
2,4,6-Tribromophenol (Surr)	 0.1599	0.1839 0.1665	0.1534 0.1750	0.1688 0.1740	0.1679	Ave		0.1687				5.6		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248966

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS/ ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2016 08:43 Calibration End Date: 09/29/2016 12:05 Calibration ID: 36223

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Terphenyl-d14 (Surr)	1.0198 0.7482	0.6647 0.8404	0.7142 0.8530	0.6751 0.8357	0.7302	Ave		0.7868				14.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248966

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS/ ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2016 08:43 Calibration End Date: 09/29/2016 12:05 Calibration ID: 36223

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-248966/6	60929006.D
Level 2	STD2 240-248966/5	60929005.D
Level 3	STD3 240-248966/4	60929004.D
Level 4	STD4 240-248966/3	60929003.D
Level 5	STD5 240-248966/2	60929002.D
Level 6	STD6 240-248966/7	60929007.D
Level 7	STD7 240-248966/8	60929008.D
Level 8	STD8 240-248966/9	60929009.D
Level 9	STD9 240-248966/10	60929010.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCBd 4	Ave	189622	8654 329054	20029 423326	35405 563133	91330	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodimethylamine	DCBd 4	Ave	300536	13106 505289	28430 719546	55339 871180	137354	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pyridine	DCBd 4	Ave	6306 526760	23320 861078	49157 1191618	98562 1481172	246560	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzaldehyde	DCBd 4	Ave	11178 949621	47965 1551324	95721 2059095	186441 2457490	465280	0.200 20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Phenol	DCBd 4	Ave	595492	27372 995631	57491 1406095	114271 1772042	272726	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Aniline	DCBd 4	Ave	715785	32140 1200122	73307 1696782	134076 2099721	331508	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Bis(2-chloroethyl)ether	DCBd 4	Ave	474244	21467 813530	47616 1108709	88439 1394134	210299	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chlorophenol	DCBd 4	Ave	425370	19629 697875	40599 1003354	76308 1232490	186979	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
n-Decane	DCBd 4	Ave	465706	21127 762869	47343 1085328	90745 1357285	214047	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dichlorobenzene	DCBd 4	Ave	478137	23927 781247	45192 1085260	86968 1349788	216372	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,4-Dichlorobenzene	DCBd 4	Ave	480410	22571 791943	44462 1111944	93975 1385349	225718	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzyl alcohol	DCBd 4	Ave	309393	14018 514627	28582 723420	55237 909516	136096	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Dichlorobenzene	DCBd 4	Ave	451275	20345 740464	45525 1049461	85013 1316086	203740	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylphenol	DCBd 4	Ave	421868	21465 718277	41020 1019743	78102 1268384	204089	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248966

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS/ ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2016 08:43 Calibration End Date: 09/29/2016 12:05 Calibration ID: 36223

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
bis (2-chloroisopropyl) ether	DCBd 4	Ave	470565	23637 798383	48799 1114984	87467 1376510	215156	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Indene	DCBd 4	Ave	1753997	79824 2971709	173692 4252187	321830 5306617	776064	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
3 & 4 Methylphenol	DCBd 4	Ave	457060	20838 772806	43130 1092860	83497 1368417	201728	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
N-Nitrosodi-n-propylamine	DCBd 4	Ave	407099	17491 658513	40215 940887	73454 1157588	187830	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acetophenone	DCBd 4	Ave	699094	33651 1178544	70929 1685552	133302 2092090	328665	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachloroethane	DCBd 4	Ave	224390	10413 366078	20293 509444	39207 638493	97484	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene	NPT	Ave	664395	31247 1078746	63893 1522845	120859 1847811	298989	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Isophorone	NPT	Ave	1115182	49544 1839385	98873 2602369	203511 3238216	496511	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitrophenol	NPT	Ave	236378	9613 401328	20340 577590	40946 730038	102006	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dimethylphenol	NPT	Ave	554662	25758 943589	52774 1310518	105134 1623889	258154	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzoic acid	NPT	Lin1	479154	+++++ 858160	27521 1269778	74979 1574095	207601	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	568190	26764 932515	53636 1348058	105358 1678268	252071	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dichlorophenol	NPT	Ave	378928	14373 618451	34940 891903	65179 1120624	166084	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,4-Trichlorobenzene	NPT	Ave	440868	21095 734834	43352 1045010	79028 1304643	198384	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Naphthalene	NPT	Ave	13211 1255199	59081 2162962	120835 3034936	237442 3906596	582439	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Chloroaniline	NPT	Ave	516262	23435 862683	50327 1270477	104119 1670311	251007	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,6-Dichlorophenol	NPT	Ave	363707	15849 613568	37116 875813	71448 1107990	161336	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorobutadiene	NPT	Ave	276679	13793 460234	27750 650468	53127 785912	121486	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Caprolactam	NPT	Ave	278798	10496 480349	26274 658117	51110 819305	119085	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
4-Chloro-3-methylphenol	NPT	Ave	486617	21831 789009	44285 1131960	84858 1401520	214220	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Methylnaphthalene	NPT	Ave	8401 841351	36498 1385391	77985 2018533	152342 2504371	368049	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248966

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS/ ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2016 08:43 Calibration End Date: 09/29/2016 12:05 Calibration ID: 36223

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1-Methylnaphthalene	NPT	Ave	6771 771626	34846 1304954	74387 1892449	145308 2400257	341107	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexachlorocyclopentadiene	ANT	Ave	 281640	11158 461554	22286 669088	47034 802184	123840	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	 446897	22276 733827	41279 1051015	82513 1329077	196327	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Trichlorophenol	ANT	Ave	 276916	11877 470953	26992 676511	51769 862420	121284	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,5-Trichlorophenol	ANT	Ave	 292288	12019 480483	29274 662346	51236 834130	123006	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,1'-Biphenyl	ANT	Ave	10362 1077835	49409 1809023	101845 2658533	196595 3345471	479907	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Chloronaphthalene	ANT	Ave	8662 820469	37545 1405405	79843 2036884	154219 2545223	366347	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Nitroaniline	ANT	Ave	 355551	11664 574341	29663 794700	56684 984272	145470	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dimethyl phthalate	ANT	Ave	 1023071	48190 1619667	96785 2296176	184854 2870204	426813	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,3-Dinitrobenzene	ANT	Ave	 157487	5718 256323	12894 377075	25391 464354	69487	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,6-Dinitrotoluene	ANT	Ave	 226201	9297 384291	18790 531705	40873 658416	97141	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Acenaphthylene	ANT	Ave	11513 1222026	52543 2029099	109894 2942012	215229 3656810	528374	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3-Nitroaniline	ANT	Ave	 215723	7362 361447	18285 507867	35659 656038	95041	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4-Dinitrophenol	ANT	Lin1	 255604	+++++ 454543	12701 678601	36147 881676	106791	 20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
Acenaphthene	ANT	Ave	9834 823309	37903 1383703	75047 2017807	144162 2557191	354639	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitrophenol	ANT	Ave	 462533	15664 766487	43154 1052833	75693 1266001	193565	 20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
2,4-Dinitrotoluene	ANT	Ave	 300863	10399 495282	27162 730060	54336 924574	130315	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenzofuran	ANT	Ave	13706 1210710	51978 2012815	112121 2906650	218880 3630458	516108	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,3,4,6-Tetrachlorophenol	ANT	Ave	 238667	10069 382111	18652 572568	45910 718759	101500	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Diethyl phthalate	ANT	Ave	 973064	47714 1591944	91941 2358313	193342 3013216	439363	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Hexadecane	ANT	Ave	 604263	27469 1009180	56009 1464457	105731 1826202	258330	 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248966

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS/ ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2016 08:43 Calibration End Date: 09/29/2016 12:05 Calibration ID: 36223

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chlorophenyl phenyl ether	ANT	Ave	517727	23072 868144	48301 1225236	93923 1518768	226294	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Nitroaniline	ANT	Ave	189551	7127 343080	18238 527171	34838 668411	75169	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluorene	ANT	Ave	9736 987518	41970 1639252	96839 2367019	175654 2954535	422363	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4,6-Dinitro-2-methylphenol	PHN	Lin1	371018	+++++ 656930	20802 970569	52482 1239522	143115	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
Diphenylamine	PHN	Ave	640367	28080 1027543	62909 1517221	116974 1919860	287507	8.51	0.425 12.8	0.851 17.0	1.70 21.3	4.25
N-Nitrosodiphenylamine	PHN	Ave	640367	28080 1027543	62909 1517221	116974 1919860	287507	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
1,2-Diphenylhydrazine	PHN	Ave	1330626	56335 2128577	124611 2916358	232293 3562148	562047	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Azobenzene	PHN	Ave	1330091	56335 2129886	124856 2915605	233230 3562417	561823	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
4-Bromophenyl phenyl ether	PHN	Ave	290721	10774 453076	26661 613861	52774 779455	118620	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Atrazine	PHN	Ave	6990 665352	24346 1059724	53546 1425770	101347 1816069	255649	0.200 20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Hexachlorobenzene	PHN	Ave	3457 314647	11279 496142	30329 698903	51680 881196	126919	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
n-Octadecane	PHN	Ave	546179	28569 844594	56194 1155731	105333 1426354	258356	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Pentachlorophenol	PHN	Lin1	396446	13063 694800	29387 1033026	65151 1311709	158055	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Phenanthrene	PHN	Ave	15510 1304156	65583 2232828	134509 3323774	257858 4288516	569672	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Anthracene	PHN	Ave	15675 1318063	60174 2283495	135754 3400808	257096 4393616	593677	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Carbazole	PHN	Ave	1221977	50560 2045960	111126 2831849	210098 3524853	464774	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-butyl phthalate	PHN	Ave	1647714	68378 2583153	127482 3571998	247039 4568598	630095	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Fluoranthene	PHN	Ave	15708 1657842	67690 2655864	136227 3847491	257156 4895935	635057	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzidine	CRY	Lin1	1661577	+++++ 2828616	71522 4073703	135408 5010058	534852	20.0	+++++ 30.0	2.00 40.0	4.00 50.0	10.0
Pyrene	CRY	Ave	16180 1653339	65982 2682867	141317 3883547	262453 4941632	650409	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Butyl benzyl phthalate	CRY	Ave	748164	26050 1217749	62554 1743953	123096 2185311	291576	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 248966

SDG No.:

Instrument ID: A4HP9 GC Column: RXI-5SILMS/ ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/29/2016 08:43 Calibration End Date: 09/29/2016 12:05 Calibration ID: 36223

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Bis(2-ethylhexyl) phthalate	CRY	Ave	975735	35525 1613532	83034 2324048	162459 2887620	396778	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
3,3'-Dichlorobenzidine	CRY	Lin1	1018096	31462 1753809	76622 2581256	162330 3330348	407189	20.0	1.00 30.0	2.00 40.0	4.00 50.0	10.0
Benzo[a]anthracene	CRY	Ave	15692 1493477	63519 2449707	143373 3530093	257307 4468782	591690	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Chrysene	CRY	Ave	15868 1397254	60694 2346286	129792 3309267	247119 4209055	574783	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Di-n-octyl phthalate	PRY	Lin1	1623327	51101 2647210	132683 3833378	262586 4852763	632646	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[b]fluoranthene	PRY	Ave	11432 1350090	50366 2299877	119633 3223221	237532 4022174	541046	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[k]fluoranthene	PRY	Ave	11712 1449429	57931 2261266	132743 3493913	234297 4341741	576597	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[a]pyrene	PRY	Ave	11839 1321794	46731 2141297	114984 3127896	223270 3880075	524402	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	10638 1402460	49020 2217362	111451 3262235	238312 4055777	555664	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Dibenz(a,h)anthracene	PRY	Ave	8828 1145980	39637 1875898	99396 2781114	194344 3423663	458014	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Benzo[g,h,i]perylene	PRY	Ave	9151 1105871	47219 1808590	101665 2565662	194746 3193500	477059	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorophenol (Surr)	DCBd 4	Ave	423277	18747 690249	44336 968547	82493 1184254	189417	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Phenol-d5 (Surr)	DCBd 4	Ave	562924	24176 931139	52381 1286586	108122 1627894	251588	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Nitrobenzene-d5 (Surr)	NPT	Ave	7614 702754	32277 1161215	66709 1594878	123904 1972835	311663	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2-Fluorobiphenyl (Surr)	ANT	Ave	10544 927715	41321 1524473	90318 2237693	170429 2806173	407835	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	111453	6038 188732	10746 278592	22513 357035	52715	10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00
Terphenyl-d14 (Surr)	CRY	Ave	12927 1027666	40056 1703543	90930 2469586	168453 3145062	414001	0.100 10.0	0.500 15.0	1.00 20.0	2.00 25.0	5.00

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-248966/11 Calibration Date: 09/29/2016 12:31

Instrument ID: A4HP9 Calib Start Date: 09/29/2016 08:43

GC Column: RXI-5SILMS/IIG ID: 0.25(mm) Calib End Date: 09/29/2016 12:05

Lab File ID: 60929011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6458	0.5856		9.07	10.0	-9.3	50.0
N-Nitrosodimethylamine	Ave	0.998	0.8403		8.42	10.0	-15.8	50.0
Pyridine	Ave	1.767	1.683		9.52	10.0	-4.8	50.0
Benzaldehyde	Ave	1.621	1.432		17.7	20.0	-11.7	50.0
Phenol	Ave	2.006	1.925		9.60	10.0	-4.0	20.0
Aniline	Ave	2.416	2.321		9.60	10.0	-4.0	50.0
Bis(2-chloroethyl)ether	Ave	1.591	1.493		9.38	10.0	-6.2	50.0
2-Chlorophenol	Ave	1.405	1.334		9.49	10.0	-5.1	50.0
1,3-Dichlorobenzene	Ave	1.587	1.477		9.30	10.0	-7.0	50.0
1,4-Dichlorobenzene	Ave	1.610	1.520		9.44	10.0	-5.6	20.0
Benzyl alcohol	Ave	1.018	1.014		9.96	10.0	-0.4	50.0
1,2-Dichlorobenzene	Ave	1.508	1.455		9.65	10.0	-3.5	50.0
2-Methylphenol	Ave	1.455	1.437		9.88	10.0	-1.2	50.0
bis (2-chloroisopropyl) ether	Ave	1.611	1.535		9.53	10.0	-4.7	50.0
Indene	Ave	2.954	2.506		17.0	20.0	-15.2	50.0
3 & 4 Methylphenol	Ave	1.524	1.471		9.65	10.0	-3.5	50.0
N-Nitrosodi-n-propylamine	Ave	1.338	1.289	0.0500	9.63	10.0	-3.7	50.0
Acetophenone	Ave	2.400	2.229		9.29	10.0	-7.1	50.0
Hexachloroethane	Ave	0.7275	0.7067		9.71	10.0	-2.9	50.0
Nitrobenzene	Ave	0.5697	0.5361		9.41	10.0	-5.9	50.0
Isophorone	Ave	0.9492	0.9501		10.0	10.0	0.0	50.0
2,4-Dimethylphenol	Ave	0.4866	0.4569		9.39	10.0	-6.1	50.0
2-Nitrophenol	Ave	0.2003	0.1991		9.94	10.0	-0.6	20.0
Benzoic acid	Lin1		0.2223		19.4	20.0	-3.1	50.0
Bis(2-chloroethoxy)methane	Ave	0.4932	0.4751		9.63	10.0	-3.7	50.0
2,4-Dichlorophenol	Ave	0.3163	0.3187		10.1	10.0	0.8	20.0
1,2,4-Trichlorobenzene	Ave	0.3852	0.3624		9.41	10.0	-5.9	50.0
Naphthalene	Ave	1.119	1.085		9.69	10.0	-3.1	50.0
4-Chloroaniline	Ave	0.4665	0.4681		10.0	10.0	0.4	50.0
2,6-Dichlorophenol	Ave	0.3211	0.3122		9.72	10.0	-2.8	50.0
Hexachlorobutadiene	Ave	0.2433	0.2234		9.18	10.0	-8.2	20.0
Caprolactam	Ave	0.1179	0.1161		19.7	20.0	-1.6	50.0
4-Chloro-3-methylphenol	Ave	0.4116	0.4127		10.0	10.0	0.3	20.0
2-Methylnaphthalene	Ave	0.7204	0.6928		9.62	10.0	-3.8	50.0
1-Methylnaphthalene	Ave	0.6683	0.6483		9.70	10.0	-3.0	50.0
Hexachlorocyclopentadiene	Ave	0.3784	0.3645	0.0500	9.63	10.0	-3.7	50.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6385	0.6085		9.53	10.0	-4.7	50.0
2,4,6-Trichlorophenol	Ave	0.3974	0.3905		9.82	10.0	-1.8	20.0
2,4,5-Trichlorophenol	Ave	0.4032	0.4092		10.1	10.0	1.5	50.0
1,1'-Biphenyl	Ave	1.544	1.481		9.59	10.0	-4.1	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-248966/11 Calibration Date: 09/29/2016 12:31

Instrument ID: A4HP9 Calib Start Date: 09/29/2016 08:43

GC Column: RXI-5SILMS/IIG ID: 0.25(mm) Calib End Date: 09/29/2016 12:05

Lab File ID: 60929011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.199	1.146		9.56	10.0	-4.4	50.0
2-Nitroaniline	Ave	0.4578	0.4822		10.5	10.0	5.3	50.0
Dimethyl phthalate	Ave	1.417	1.375		9.70	10.0	-3.0	50.0
1,3-Dinitrobenzene	Ave	0.2106	0.2184		10.4	10.0	3.7	50.0
2,6-Dinitrotoluene	Ave	0.3107	0.3136		10.1	10.0	0.9	50.0
Acenaphthylene	Ave	1.699	1.745		10.3	10.0	2.7	50.0
3-Nitroaniline	Ave	0.2903	0.2998		10.3	10.0	3.3	50.0
2,4-Dinitrophenol	Lin1		0.1771	0.0500	17.9	20.0	-10.5	50.0
Acenaphthene	Ave	1.196	1.164		9.74	10.0	-2.6	20.0
4-Nitrophenol	Ave	0.3059	0.3087	0.0500	20.2	20.0	0.9	50.0
2,4-Dinitrotoluene	Ave	0.4131	0.4058		9.82	10.0	-1.8	50.0
Dibenzofuran	Ave	1.727	1.620		9.38	10.0	-6.2	50.0
2,3,4,6-Tetrachlorophenol	Ave	0.3287	0.3326		10.1	10.0	1.2	50.0
Diethyl phthalate	Ave	1.421	1.292		9.09	10.0	-9.1	50.0
4-Chlorophenyl phenyl ether	Ave	0.7294	0.7018		9.62	10.0	-3.8	50.0
4-Nitroaniline	Ave	0.2762	0.2732		9.89	10.0	-1.1	50.0
Fluorene	Ave	1.390	1.341		9.65	10.0	-3.5	50.0
4,6-Dinitro-2-methylphenol	Lin1		0.1493		17.5	20.0	-12.7	50.0
Diphenylamine	Ave	0.6367	0.6451		8.61	8.50	1.3	50.0
N-Nitrosodiphenylamine	Ave	0.5417	0.5483		10.1	10.0	1.2	20.0
1,2-Diphenylhydrazine	Ave	1.073	1.139		10.6	10.0	6.1	50.0
4-Bromophenyl phenyl ether	Ave	0.2288	0.2381		10.4	10.0	4.1	50.0
Atrazine	Ave	0.2558	0.2590		20.2	20.0	1.2	50.0
Hexachlorobenzene	Ave	0.2520	0.2696		10.7	10.0	7.0	50.0
Pentachlorophenol	Lin1		0.1850		19.9	20.0	-0.5	20.0
Phenanthrene	Ave	1.179	1.120		9.50	10.0	-5.0	50.0
Anthracene	Ave	1.187	1.129		9.51	10.0	-4.9	50.0
Carbazole	Ave	0.9884	1.050		10.6	10.0	6.3	50.0
Di-n-butyl phthalate	Ave	1.261	1.380		10.9	10.0	9.5	50.0
Fluoranthene	Ave	1.303	1.394		10.7	10.0	7.0	20.0
Benzidine	Lin1		0.5132		16.4	20.0	-18.0	50.0
Pyrene	Ave	1.207	1.219		10.1	10.0	1.0	50.0
Butyl benzyl phthalate	Ave	0.5325	0.5544		10.4	10.0	4.1	50.0
Bis(2-ethylhexyl) phthalate	Ave	0.7086	0.7345		10.4	10.0	3.6	50.0
3,3'-Dichlorobenzidine	Lin1		0.3469		16.6	20.0	-17.1	50.0
Benzo[a]anthracene	Ave	1.133	1.118		9.87	10.0	-1.3	50.0
Chrysene	Ave	1.080	1.041		9.64	10.0	-3.6	50.0
Di-n-octyl phthalate	Lin1		1.867		9.55	10.0	-4.5	20.0
Benzo[b]fluoranthene	Ave	1.496	1.537		10.3	10.0	2.8	50.0
Benzo[k]fluoranthene	Ave	1.585	1.669		10.5	10.0	5.4	50.0
Benzo[a]pyrene	Ave	1.442	1.436		9.96	10.0	-0.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-248966/11 Calibration Date: 09/29/2016 12:31

Instrument ID: A4HP9 Calib Start Date: 09/29/2016 08:43

GC Column: RXI-5SILMS/IIG ID: 0.25(mm) Calib End Date: 09/29/2016 12:05

Lab File ID: 60929011.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Indeno[1,2,3-cd]pyrene	Ave	1.479	1.526		10.3	10.0	3.1	50.0
Dibenz(a,h)anthracene	Ave	1.238	1.297		10.5	10.0	4.7	50.0
Benzo[g,h,i]perylene	Ave	1.238	1.328		10.7	10.0	7.3	50.0
2-Fluorophenol (Surr)	Ave	1.411	1.359		9.63	10.0	-3.7	50.0
Phenol-d5 (Surr)	Ave	1.850	1.871		10.1	10.0	1.1	50.0
Nitrobenzene-d5 (Surr)	Ave	0.6040	0.5951		9.85	10.0	-1.5	50.0
2-Fluorobiphenyl (Surr)	Ave	1.343	1.302		9.69	10.0	-3.1	50.0
2,4,6-Tribromophenol (Surr)	Ave	0.1687	0.1586		9.40	10.0	-6.0	50.0
Terphenyl-d14 (Surr)	Ave	0.7868	0.7922		10.1	10.0	0.7	50.0

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab File ID: 60930001.D DFTPP Injection Date: 09/30/2016

Instrument ID: A4HP9 DFTPP Injection Time: 09:43

Analysis Batch No.: 249137

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0- 80.0% of mass 198	43.4	
68	Less than 2.0% of mass 69	0.0	(0.0) 1
69	Mass 69 relative abundance	51.4	
70	Less than 2.0% of mass 69	0.2	(0.3) 1
127	25.0 - 75.0% of mass 198	49.3	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	7.0	
275	10.0- 30.0% of mass 198	23.5	
365	Greater than 0.75% of mass 198	3.8	
441	Present, but less than mass 443	12.6	
442	40.0 - 110.0% of mass 198	77.7	
443	15.0 - 24.0% of mass 442	15.6	(20.1) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 240-249137/2	60930002.D	09/30/2016	10:03
	MB 240-248892/6-A	60930003.D	09/30/2016	10:34
	LCS 240-248892/7-A	60930004.D	09/30/2016	10:59
DR-TP-A64-PRE-EX	240-69767-61	60930021.D	09/30/2016	17:18

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249137/2 Calibration Date: 09/30/2016 10:03

Instrument ID: A4HP9 Calib Start Date: 09/29/2016 08:43

GC Column: RXI-5SILMS/IIG ID: 0.25(mm) Calib End Date: 09/29/2016 12:05

Lab File ID: 60930002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6458	0.6436		9.97	10.0	-0.3	50.0
N-Nitrosodimethylamine	Ave	0.998	1.020		10.2	10.0	2.2	50.0
Pyridine	Ave	1.767	1.814		10.3	10.0	2.6	50.0
Benzaldehyde	Ave	1.621	1.547		19.1	20.0	-4.6	50.0
Phenol	Ave	2.006	2.056		10.2	10.0	2.5	20.0
Aniline	Ave	2.416	2.445		10.1	10.0	1.2	50.0
Bis(2-chloroethyl)ether	Ave	1.591	1.640		10.3	10.0	3.1	50.0
2-Chlorophenol	Ave	1.405	1.435		10.2	10.0	2.1	50.0
1,3-Dichlorobenzene	Ave	1.587	1.569		9.88	10.0	-1.2	50.0
1,4-Dichlorobenzene	Ave	1.610	1.613		10.0	10.0	0.2	50.0
Benzyl alcohol	Ave	1.018	1.045		10.3	10.0	2.7	50.0
1,2-Dichlorobenzene	Ave	1.508	1.474		9.77	10.0	-2.3	50.0
2-Methylphenol	Ave	1.455	1.463		10.1	10.0	0.6	50.0
bis (2-chloroisopropyl) ether	Ave	1.611	1.583		9.83	10.0	-1.7	50.0
Indene	Ave	2.954	2.870		19.4	20.0	-2.8	50.0
3 & 4 Methylphenol	Ave	1.524	1.518		9.96	10.0	-0.4	50.0
N-Nitrosodi-n-propylamine	Ave	1.338	1.304	0.0500	9.75	10.0	-2.5	50.0
Acetophenone	Ave	2.400	2.319		9.66	10.0	-3.4	50.0
Hexachloroethane	Ave	0.7275	0.6843		9.41	10.0	-5.9	50.0
Nitrobenzene	Ave	0.5697	0.5226		9.17	10.0	-8.3	50.0
Isophorone	Ave	0.9492	0.9054		9.54	10.0	-4.6	50.0
2-Nitrophenol	Ave	0.2003	0.1984		9.91	10.0	-0.9	20.0
2,4-Dimethylphenol	Ave	0.4866	0.4593		9.44	10.0	-5.6	50.0
Benzoic acid	Lin1		0.2361		20.5	20.0	2.5	50.0
Bis(2-chloroethoxy)methane	Ave	0.4932	0.4725		9.58	10.0	-4.2	50.0
2,4-Dichlorophenol	Ave	0.3163	0.3195		10.1	10.0	1.0	20.0
1,2,4-Trichlorobenzene	Ave	0.3852	0.3667		9.52	10.0	-4.8	50.0
Naphthalene	Ave	1.119	1.043		9.32	10.0	-6.8	50.0
4-Chloroaniline	Ave	0.4665	0.4421		9.48	10.0	-5.2	50.0
2,6-Dichlorophenol	Ave	0.3211	0.3040		9.47	10.0	-5.3	50.0
Hexachlorobutadiene	Ave	0.2433	0.2152		8.84	10.0	-11.6	20.0
Caprolactam	Ave	0.1179	0.1169		19.8	20.0	-0.9	50.0
4-Chloro-3-methylphenol	Ave	0.4116	0.3913		9.51	10.0	-4.9	20.0
2-Methylnaphthalene	Ave	0.7204	0.6905		9.58	10.0	-4.2	50.0
1-Methylnaphthalene	Ave	0.6683	0.6456		9.66	10.0	-3.4	50.0
Hexachlorocyclopentadiene	Ave	0.3784	0.3914	0.0500	10.3	10.0	3.4	50.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6385	0.5898		9.24	10.0	-7.6	50.0
2,4,6-Trichlorophenol	Ave	0.3974	0.3956		9.95	10.0	-0.5	20.0
2,4,5-Trichlorophenol	Ave	0.4032	0.3867		9.59	10.0	-4.1	50.0
1,1'-Biphenyl	Ave	1.544	1.484		9.61	10.0	-3.9	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249137/2 Calibration Date: 09/30/2016 10:03

Instrument ID: A4HP9 Calib Start Date: 09/29/2016 08:43

GC Column: RXI-5SILMS/IIG ID: 0.25(mm) Calib End Date: 09/29/2016 12:05

Lab File ID: 60930002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Chloronaphthalene	Ave	1.199	1.159		9.67	10.0	-3.3	50.0
2-Nitroaniline	Ave	0.4578	0.4567		9.98	10.0	-0.2	50.0
Dimethyl phthalate	Ave	1.417	1.361		9.61	10.0	-3.9	50.0
1,3-Dinitrobenzene	Ave	0.2106	0.2205		10.5	10.0	4.7	50.0
2,6-Dinitrotoluene	Ave	0.3107	0.3215		10.3	10.0	3.5	50.0
Acenaphthylene	Ave	1.699	1.694		9.97	10.0	-0.3	50.0
3-Nitroaniline	Ave	0.2903	0.3031		10.4	10.0	4.4	50.0
2,4-Dinitrophenol	Lin1		0.2047	0.0500	20.5	20.0	2.4	50.0
Acenaphthene	Ave	1.196	1.100		9.20	10.0	-8.0	20.0
4-Nitrophenol	Ave	0.3059	0.2840	0.0500	18.6	20.0	-7.2	50.0
2,4-Dinitrotoluene	Ave	0.4131	0.4130		10.0	10.0	-0.0	50.0
Dibenzofuran	Ave	1.727	1.613		9.34	10.0	-6.6	50.0
2,3,4,6-Tetrachlorophenol	Ave	0.3287	0.3129		9.52	10.0	-4.8	50.0
Diethyl phthalate	Ave	1.421	1.292		9.09	10.0	-9.1	50.0
4-Chlorophenyl phenyl ether	Ave	0.7294	0.6601		9.05	10.0	-9.5	50.0
4-Nitroaniline	Ave	0.2762	0.3172		11.5	10.0	14.8	50.0
Fluorene	Ave	1.390	1.271		9.14	10.0	-8.6	50.0
4,6-Dinitro-2-methylphenol	Lin1		0.1500		17.5	20.0	-12.4	50.0
Diphenylamine	Ave	0.6367	0.6641		8.87	8.51	4.3	50.0
N-Nitrosodiphenylamine	Ave	0.5417	0.5650		10.4	10.0	4.3	20.0
1,2-Diphenylhydrazine	Ave	1.073	1.033		9.61	10.0	-3.8	50.0
4-Bromophenyl phenyl ether	Ave	0.2288	0.2211		9.66	10.0	-3.4	50.0
Hexachlorobenzene	Ave	0.2520	0.2303		9.14	10.0	-8.6	50.0
Atrazine	Ave	0.2558	0.2705		21.1	20.0	5.7	50.0
Pentachlorophenol	Lin1		0.1585		17.1	20.0	-14.3	20.0
Phenanthrene	Ave	1.179	1.152		9.77	10.0	-2.3	50.0
Anthracene	Ave	1.187	1.186		9.99	10.0	-0.0	50.0
Carbazole	Ave	0.9884	1.054		10.7	10.0	6.6	50.0
Di-n-butyl phthalate	Ave	1.261	1.319		10.5	10.0	4.6	50.0
Fluoranthene	Ave	1.303	1.299		9.97	10.0	-0.3	20.0
Benzidine	Lin1		0.6147		19.3	20.0	-3.6	50.0
Pyrene	Ave	1.207	1.267		10.5	10.0	4.9	50.0
Butyl benzyl phthalate	Ave	0.5325	0.5807		10.9	10.0	9.0	50.0
Bis(2-ethylhexyl) phthalate	Ave	0.7086	0.7608		10.7	10.0	7.4	50.0
3,3'-Dichlorobenzidine	Lin1		0.4091		19.4	20.0	-2.8	50.0
Benzo[a]anthracene	Ave	1.133	1.099		9.70	10.0	-3.0	50.0
Chrysene	Ave	1.080	1.052		9.74	10.0	-2.6	50.0
Di-n-octyl phthalate	Lin1		1.856		9.50	10.0	-5.0	20.0
Benzo[b]fluoranthene	Ave	1.496	1.519		10.2	10.0	1.5	50.0
Benzo[k]fluoranthene	Ave	1.585	1.483		9.36	10.0	-6.4	50.0
Benzo[a]pyrene	Ave	1.442	1.385		9.60	10.0	-4.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249137/2 Calibration Date: 09/30/2016 10:03

Instrument ID: A4HP9 Calib Start Date: 09/29/2016 08:43

GC Column: RXI-5SILMS/IIG ID: 0.25(mm) Calib End Date: 09/29/2016 12:05

Lab File ID: 60930002.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Indeno[1,2,3-cd]pyrene	Ave	1.479	1.623		11.0	10.0	9.7	50.0
Dibenz(a,h)anthracene	Ave	1.238	1.343		10.8	10.0	8.5	50.0
Benzo[g,h,i]perylene	Ave	1.238	1.359		11.0	10.0	9.8	50.0
2-Fluorophenol (Surr)	Ave	1.411	1.451		10.3	10.0	2.8	50.0
Phenol-d5 (Surr)	Ave	1.850	1.948		10.5	10.0	5.3	50.0
Nitrobenzene-d5 (Surr)	Ave	0.6040	0.5501		9.11	10.0	-8.9	50.0
2-Fluorobiphenyl (Surr)	Ave	1.343	1.262		9.39	10.0	-6.1	50.0
2,4,6-Tribromophenol (Surr)	Ave	0.1687	0.1564		9.27	10.0	-7.3	50.0
Terphenyl-d14 (Surr)	Ave	0.7868	0.7580		9.63	10.0	-3.7	50.0

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID (1): CCV 240-249137/2 CCVIS Instrument ID (1): A4HP9

GC Column (1): RXI-5SILMS/II ID: 0.25(mm) Date Analyzed (1): 09/30/2016 10:03

ANALYTE	RT	RESOLUTION (%)
Pyridine	3.42	100.0
2-Fluorophenol (Surr)	5.09	100.0
Phenol-d5 (Surr)	5.96	100.0
1,4-Dichlorobenzene	6.34	100.0
2-Methylphenol	6.52	100.0
3 & 4 Methylphenol	6.65	100.0
Hexachloroethane	6.80	100.0
Nitrobenzene-d5 (Surr)	6.81	100.0
Nitrobenzene	6.83	100.0
Hexachlorobutadiene	7.57	100.0
2,4,6-Trichlorophenol	8.28	100.0
2,4,5-Trichlorophenol	8.32	100.0
2-Fluorobiphenyl (Surr)	8.35	100.0
2,4-Dinitrotoluene	9.07	100.0
2,4,6-Tribromophenol (Surr)	9.61	100.0
Hexachlorobenzene	9.90	100.0
Pentachlorophenol	10.05	100.0
Terphenyl-d14 (Surr)	11.53	100.0

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab File ID: 60930003.D Lab Sample ID: MB 240-248892/6-A

Matrix: Water Date Extracted: 09/28/2016 13:53

Instrument ID: A4HP9 Date Analyzed: 09/30/2016 10:34

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 240-248892/7-A	60930004.D	09/30/2016 10:59
DR-TP-A64-PRE-EX	240-69767-61	60930021.D	09/30/2016 17:18

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-248892/6-A

Matrix: Solid | Lab File ID: 60930003.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 09/28/2016 13:53

Sample wt/vol: 250(mL) | Date Analyzed: 09/30/2016 10:34

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 249137 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
106-46-7	1,4-Dichlorobenzene	0.00034	U	0.0040	0.00034
95-95-4	2,4,5-Trichlorophenol	0.00030	U	0.0040	0.00030
88-06-2	2,4,6-Trichlorophenol	0.00024	U	0.0040	0.00024
121-14-2	2,4-Dinitrotoluene	0.00025	U	0.0040	0.00025
118-74-1	Hexachlorobenzene	0.000085	U	0.00080	0.000085
87-68-3	Hexachlorobutadiene	0.00027	U	0.0040	0.00027
67-72-1	Hexachloroethane	0.00019	U	0.0040	0.00019
15831-10-4	3 & 4 Methylphenol	0.00080	U	0.0040	0.00080
95-48-7	2-Methylphenol	0.00017	U	0.0040	0.00017
98-95-3	Nitrobenzene	0.000040	U	0.0040	0.000040
87-86-5	Pentachlorophenol	0.00027	U	0.016	0.00027
110-86-1	Pyridine	0.00035	U	0.0040	0.00035

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl (Surr)	70		42-120
367-12-4	2-Fluorophenol (Surr)	68		10-120
118-79-6	2,4,6-Tribromophenol (Surr)	69		35-125
4165-60-0	Nitrobenzene-d5 (Surr)	67		36-120
4165-62-2	Phenol-d5 (Surr)	53		10-120
1718-51-0	Terphenyl-d14 (Surr)	80		17-120

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 60930004.D

Lab ID: LCS 240-248892/7-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
1,4-Dichlorobenzene	0.0800	0.0556	70	48-120	
2,4,5-Trichlorophenol	0.0800	0.0562	70	57-120	
2,4,6-Trichlorophenol	0.0800	0.0584	73	60-120	
2,4-Dinitrotoluene	0.0800	0.0591	74	65-120	
Hexachlorobenzene	0.0800	0.0520	65	47-127	
Hexachlorobutadiene	0.0800	0.0497	62	50-120	
Hexachloroethane	0.0800	0.0545	68	50-120	
3 & 4 Methylphenol	0.0800	0.0550	69	46-120	
2-Methylphenol	0.0800	0.0555	69	52-120	
Nitrobenzene	0.0800	0.0575	72	58-120	
Pentachlorophenol	0.160	0.0924	58	35-121	
Pyridine	0.0800	0.0497	62	10-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): RXI-5SILMS/ ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHL #
DR-TP-A64-PRE-EX	240-69767-61	61	47	63	64	67	87
	MB 240-248892/6-A	68	53	67	70	69	80
	LCS 240-248892/7-A	63	50	73	71	74	82

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	10-120
PHL = Phenol-d5 (Surr)	10-120
NBZ = Nitrobenzene-d5 (Surr)	36-120
FBP = 2-Fluorobiphenyl (Surr)	42-120
TBP = 2,4,6-Tribromophenol (Surr)	35-125
TPHL = Terphenyl-d14 (Surr)	17-120

Column to be used to flag recovery values

FORM II 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: STD6 240-248966/7 Date Analyzed: 09/29/2016 10:50

Instrument ID: A4HP9 GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

Lab File ID (Standard): 60929007.D Heated Purge: (Y/N) N

Calibration ID: 36223

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		121642	6.46	451599	7.57	278876	9.08
UPPER LIMIT		243284	6.96	903198	8.07	557752	9.58
LOWER LIMIT		60821	5.96	225800	7.07	139438	8.58
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-248966/11		150605	6.46	570142	7.57	345847	9.08
CCV 240-249137/2 CCVIS		106699	6.33	418011	7.45	246731	8.95

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: STD6 240-248966/7 Date Analyzed: 09/29/2016 10:50

Instrument ID: A4HP9 GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

Lab File ID (Standard): 60929007.D Heated Purge: (Y/N) N

Calibration ID: 36223

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		452119	10.35	549421	12.67	356512	14.51
UPPER LIMIT		904238	10.85	1098842	13.17	713024	15.01
LOWER LIMIT		226060	9.85	274711	12.17	178256	14.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-248966/11		546043	10.35	632512	12.67	406030	14.51
CCV 240-249137/2 CCVIS		402613	10.22	412764	12.50	286320	14.24

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: CCV 240-249137/2 Date Analyzed: 09/30/2016 10:03

Instrument ID: A4HP9 GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

Lab File ID (Standard): 60930002.D Heated Purge: (Y/N) N

Calibration ID: 36226

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		106699	6.33	418011	7.45	246731	8.95
UPPER LIMIT		213398	6.83	836022	7.95	493462	9.45
LOWER LIMIT		53350	5.83	209006	6.95	123366	8.45
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 240-248892/6-A		99934	6.33	401360	7.45	255300	8.95
LCS 240-248892/7-A		106787	6.33	412812	7.44	256344	8.95
240-69767-61	DR-TP-A64-PRE-EX	106370	6.33	437373	7.45	274995	8.95

DCBd4 = 1,4-Dichlorobenzene-d4
DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
NPT = Naphthalene-d8
ANT = Acenaphthene-d10
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: CCV 240-249137/2 Date Analyzed: 09/30/2016 10:03

Instrument ID: A4HP9 GC Column: RXI-5SILMS/IIG ID: 0.25(mm)

Lab File ID (Standard): 60930002.D Heated Purge: (Y/N) N

Calibration ID: 36226

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		402613	10.22	412764	12.50	286320	14.24
UPPER LIMIT		805226	10.72	825528	13.00	572640	14.74
LOWER LIMIT		201307	9.72	206382	12.00	143160	13.74
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 240-248892/6-A		436551	10.22	437500	12.50	298447	14.24
LCS 240-248892/7-A		441195	10.21	444432	12.49	306342	14.23
240-69767-61	DR-TP-A64-PRE-EX	460196	10.21	473677	12.49	324987	14.23

PHN = Phenanthrene-d10
PHN = Phenanthrene-d10
CRY = Chrysene-d12
CRY = Chrysene-d12
PRY = Perylene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C

Method 8081A

Organochlorine Pesticides (GC) by Method 8081A

PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP3 Start Date: 09/12/2016 16:46

Analysis Batch Number: 246384 End Date: 09/13/2016 00:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 240-246384/7		09/12/2016 16:46	1		CLP-1 (0.53mm) 0.53(mm)
PEM 240-246384/7		09/12/2016 16:46	1		CLP-2 (0.53mm) 0.53(mm)
STD 240-246384/8 IC		09/12/2016 17:12	1	P3091208.D	CLP-1 (0.53mm) 0.53(mm)
STD 240-246384/8 IC		09/12/2016 17:12	1	P3091208.D	CLP-2 (0.53mm) 0.53(mm)
STD 240-246384/9 IC		09/12/2016 17:38	1	P3091209.D	CLP-1 (0.53mm) 0.53(mm)
STD 240-246384/9 IC		09/12/2016 17:38	1	P3091209.D	CLP-2 (0.53mm) 0.53(mm)
STD 240-246384/10 ICIS		09/12/2016 18:03	1	P3091210.D	CLP-1 (0.53mm) 0.53(mm)
STD 240-246384/10 ICIS		09/12/2016 18:03	1	P3091210.D	CLP-2 (0.53mm) 0.53(mm)
STD 240-246384/11 IC		09/12/2016 18:29	1	P3091211.D	CLP-1 (0.53mm) 0.53(mm)
STD 240-246384/11 IC		09/12/2016 18:29	1	P3091211.D	CLP-2 (0.53mm) 0.53(mm)
STD 240-246384/12 IC		09/12/2016 18:54	1	P3091212.D	CLP-1 (0.53mm) 0.53(mm)
STD 240-246384/12 IC		09/12/2016 18:54	1	P3091212.D	CLP-2 (0.53mm) 0.53(mm)
STD 240-246384/13 IC		09/12/2016 19:20	1	P3091213.D	CLP-1 (0.53mm) 0.53(mm)
STD 240-246384/13 IC		09/12/2016 19:20	1	P3091213.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-246384/14		09/12/2016 19:45	1	P3091214.D	CLP-1 (0.53mm) 0.53(mm)
ICV 240-246384/14		09/12/2016 19:45	1	P3091214.D	CLP-2 (0.53mm) 0.53(mm)
STD 240-246384/15 IC		09/12/2016 20:10	1	P3091215.D	CLP-1 (0.53mm) 0.53(mm)
STD 240-246384/15 IC		09/12/2016 20:10	1	P3091215.D	CLP-2 (0.53mm) 0.53(mm)
STD 240-246384/16 IC		09/12/2016 20:34	1	P3091216.D	CLP-1 (0.53mm) 0.53(mm)
STD 240-246384/16 IC		09/12/2016 20:34	1	P3091216.D	CLP-2 (0.53mm) 0.53(mm)
STD 240-246384/17 IC		09/12/2016 20:59	1	P3091217.D	CLP-1 (0.53mm) 0.53(mm)
STD 240-246384/17 IC		09/12/2016 20:59	1	P3091217.D	CLP-2 (0.53mm) 0.53(mm)
STD 240-246384/18 IC		09/12/2016 21:24	1	P3091218.D	CLP-1 (0.53mm) 0.53(mm)
STD 240-246384/18 IC		09/12/2016 21:24	1	P3091218.D	CLP-2 (0.53mm) 0.53(mm)
STD 240-246384/19 IC		09/12/2016 21:49	1	P3091219.D	CLP-1 (0.53mm) 0.53(mm)
STD 240-246384/19 IC		09/12/2016 21:49	1	P3091219.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-246384/20		09/12/2016 22:13	1		CLP-1 (0.53mm) 0.53(mm)
ICV 240-246384/20		09/12/2016 22:13	1		CLP-2 (0.53mm) 0.53(mm)
STD 240-246384/21 IC		09/12/2016 22:38	1	P3091221.D	CLP-1 (0.53mm) 0.53(mm)
STD 240-246384/21 IC		09/12/2016 22:38	1	P3091221.D	CLP-2 (0.53mm) 0.53(mm)
STD 240-246384/22 IC		09/12/2016 23:03	1	P3091222.D	CLP-1 (0.53mm) 0.53(mm)
STD 240-246384/22 IC		09/12/2016 23:03	1	P3091222.D	CLP-2 (0.53mm) 0.53(mm)
STD 240-246384/23 IC		09/12/2016 23:27	1	P3091223.D	CLP-1 (0.53mm) 0.53(mm)
STD 240-246384/23 IC		09/12/2016 23:27	1	P3091223.D	CLP-2 (0.53mm) 0.53(mm)
STD 240-246384/24 IC		09/12/2016 23:51	1	P3091224.D	CLP-1 (0.53mm) 0.53(mm)
STD 240-246384/24 IC		09/12/2016 23:51	1	P3091224.D	CLP-2 (0.53mm) 0.53(mm)
STD 240-246384/25 IC		09/13/2016 00:15	1	P3091225.D	CLP-1 (0.53mm) 0.53(mm)
STD 240-246384/25 IC		09/13/2016 00:15	1	P3091225.D	CLP-2 (0.53mm) 0.53(mm)
ICV 240-246384/26		09/13/2016 00:40	1		CLP-1 (0.53mm) 0.53(mm)
ICV 240-246384/26		09/13/2016 00:40	1		CLP-2 (0.53mm) 0.53(mm)

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 246384

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2016 17:12 Calibration End Date: 09/12/2016 19:20 Calibration ID: 35977

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-246384/8	P3091208.D
Level 2	STD 240-246384/9	P3091209.D
Level 3	STD 240-246384/10	P3091210.D
Level 4	STD 240-246384/11	P3091211.D
Level 5	STD 240-246384/12	P3091212.D
Level 6	STD 240-246384/13	P3091213.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
alpha-BHC	1.1449 1.2622	1.4756	1.3471	1.2109	1.2637	Ave		1.2841				9.0		20.0			
gamma-BHC (Lindane)	1.0778 1.1475	1.3544	1.2336	1.1002	1.1452	Ave		1.1764				8.7		20.0			
beta-BHC	0.5167 0.4435	0.6133	0.5226	0.4516	0.4566	Ave		0.5007				13.0		20.0			
delta-BHC	1.0762 1.1594	1.3778	1.2436	1.1217	1.1683	Ave		1.1912				9.0		20.0			
Heptachlor	1.0898 1.0156	1.3469	1.1818	1.0498	1.0629	Ave		1.1245				10.9		20.0			
Aldrin	1.0294 1.0330	1.2772	1.1498	1.0183	1.0542	Ave		1.0937				9.3		20.0			
Heptachlor epoxide	0.9525 0.8587	1.1689	1.0194	0.8924	0.9020	Ave		0.9657				11.8		20.0			
gamma-Chlordane	0.9495 0.9394	1.1791	1.0443	0.9211	0.9541	Ave		0.9979				9.9		20.0			
alpha-Chlordane	0.9457 0.9019	1.1671	1.0243	0.9003	0.9249	Ave		0.9774				10.6		20.0			
Endosulfan I	0.8392 0.7335	0.9840	0.8935	0.7719	0.8001	Ave		0.8370				10.8		20.0			
4,4'-DDE	0.8716 0.9304	1.1700	1.0221	0.9231	0.9309	Ave		0.9747				11.0		20.0			
Dieldrin	0.9027 0.8817	1.1344	1.0123	0.8934	0.9152	Ave		0.9566				10.3		20.0			
Endrin	0.7575 0.7294	0.9590	0.8297	0.7338	0.7541	Ave		0.7939				11.2		20.0			
4,4'-DDD	0.6551 0.6646	0.8319	0.7390	0.6613	0.6790	Ave		0.7051				9.8		20.0			
Endosulfan II	0.8223 0.7447	1.0110	0.8733	0.7686	0.7762	Ave		0.8327				11.8		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 246384

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2016 17:12 Calibration End Date: 09/12/2016 19:20 Calibration ID: 35977

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
4,4'-DDT	0.7167 0.7188	0.9054	0.8038	0.7137	0.7326	Ave		0.7652				10.0		20.0			
Endrin aldehyde	0.6489 0.5877	0.7919	0.6897	0.6015	0.6132	Ave		0.6555				11.6		20.0			
Methoxychlor	0.3936 0.3232	0.4770	0.4063	0.3435	0.3428	Ave		0.3811				15.0		20.0			
Endosulfan sulfate	0.7133 0.6624	0.8744	0.7667	0.6675	0.6755	Ave		0.7266				11.3		20.0			
Endrin ketone	0.7891 0.7239	0.9705	0.8571	0.7401	0.7512	Ave		0.8053				11.7		20.0			
Tetrachloro-m-xylene	0.8312 0.7825	1.0397	0.8932	0.7848	0.8049	Ave		0.8560				11.5		20.0			
DCB Decachlorobiphenyl	0.6131 0.5193	0.7285	0.6293	0.5299	0.5345	Ave		0.5924				13.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 246384

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2016 17:12 Calibration End Date: 09/12/2016 19:20 Calibration ID: 35977

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-246384/8	P3091208.D
Level 2	STD 240-246384/9	P3091209.D
Level 3	STD 240-246384/10	P3091210.D
Level 4	STD 240-246384/11	P3091211.D
Level 5	STD 240-246384/12	P3091212.D
Level 6	STD 240-246384/13	P3091213.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	BNB	Ave	25797080 1148618532	65704172	149636030	290452111	565434728	5.00 200	10.0	25.0	50.0	100
gamma-BHC (Lindane)	BNB	Ave	24283372 1044213025	60306970	137031843	263892198	512406565	5.00 200	10.0	25.0	50.0	100
beta-BHC	BNB	Ave	11642846 403551263	27310004	58048565	108314664	204280133	5.00 200	10.0	25.0	50.0	100
delta-BHC	BNB	Ave	24248481 1055018712	61349836	138141510	269048524	522738102	5.00 200	10.0	25.0	50.0	100
Heptachlor	BNB	Ave	24555743 924199490	59973709	131276970	251808283	475565299	5.00 200	10.0	25.0	50.0	100
Aldrin	BNB	Ave	23194487 940053000	56871019	127722039	244245852	471702579	5.00 200	10.0	25.0	50.0	100
Heptachlor epoxide	BNB	Ave	21462166 781440702	52046692	113234644	214050258	403597823	5.00 200	10.0	25.0	50.0	100
gamma-Chlordane	BNB	Ave	21392671 854826172	52502313	116008148	220930465	426897373	5.00 200	10.0	25.0	50.0	100
alpha-Chlordane	BNB	Ave	21308630 820726288	51965195	113788476	215952689	413815582	5.00 200	10.0	25.0	50.0	100
Endosulfan I	BNB	Ave	18908945 667467997	43813081	99258679	185156078	357984595	5.00 200	10.0	25.0	50.0	100
4,4'-DDE	BNB	Ave	19637220 846699877	52095873	113540151	221433219	416517534	5.00 200	10.0	25.0	50.0	100
Dieldrin	BNB	Ave	20338156 802303044	50509258	112448217	214288617	409486176	5.00 200	10.0	25.0	50.0	100
Endrin	BNB	Ave	17068296 663708640	42701640	92163826	176006832	337396745	5.00 200	10.0	25.0	50.0	100
4,4'-DDD	BNB	Ave	14759163 604828849	37040442	82087689	158618257	303805993	5.00 200	10.0	25.0	50.0	100
Endosulfan II	BNB	Ave	18526463 677668100	45017872	97007652	184362938	347303079	5.00 200	10.0	25.0	50.0	100
4,4'-DDT	BNB	Ave	16147939 654060463	40312997	89294671	171188253	327787649	5.00 200	10.0	25.0	50.0	100

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 246384

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2016 17:12 Calibration End Date: 09/12/2016 19:20 Calibration ID: 35977

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	BNB	Ave	14619488 534767173	35259433	76619407	144277151	274367850	5.00 200	10.0	25.0	50.0	100
Methoxychlor	BNB	Ave	8869012 294071462	21240966	45134539	82391576	153369579	5.00 200	10.0	25.0	50.0	100
Endosulfan sulfate	BNB	Ave	16072596 602744862	38933241	85168501	160112691	302262581	5.00 200	10.0	25.0	50.0	100
Endrin ketone	BNB	Ave	17779013 658754222	43211072	95213955	177515054	336122404	5.00 200	10.0	25.0	50.0	100
Tetrachloro-m-xylene	BNB	Ave	18728528 712080129	46292509	99216775	188239382	360123759	5.00 200	10.0	25.0	50.0	100
DCB Decachlorobiphenyl	BNB	Ave	13813355 472581136	32439391	69905081	127096790	239172547	5.00 200	10.0	25.0	50.0	100

Curve Type Legend:
Ave = Average ISTD

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 246384

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2016 17:12 Calibration End Date: 09/12/2016 19:20 Calibration ID: 35978

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-246384/8	P3091208.D
Level 2	STD 240-246384/9	P3091209.D
Level 3	STD 240-246384/10	P3091210.D
Level 4	STD 240-246384/11	P3091211.D
Level 5	STD 240-246384/12	P3091212.D
Level 6	STD 240-246384/13	P3091213.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
alpha-BHC	1.0309 1.2575	1.3792	1.3080	1.2045	1.2676	Ave		1.2413				9.5		20.0			
gamma-BHC (Lindane)	0.9855 1.1463	1.2869	1.2029	1.1044	1.1563	Ave		1.1471				8.8		20.0			
beta-BHC	0.4951 0.4584	0.5977	0.5245	0.4632	0.4729	Ave		0.5020				10.5		20.0			
delta-BHC	0.9498 1.1422	1.2674	1.1848	1.0981	1.1544	Ave		1.1328				9.3		20.0			
Heptachlor	0.9839 1.0416	1.2587	1.1390	1.0479	1.0760	Ave		1.0912				8.8		20.0			
Aldrin	0.8502 0.9721	1.0949	1.0261	0.9453	0.9866	Ave		0.9792				8.4		20.0			
Heptachlor epoxide	0.7794 0.8052	0.9834	0.8794	0.7993	0.8250	Ave		0.8453				9.0		20.0			
gamma-Chlordane	0.7619 0.8041	0.9538	0.8553	0.7803	0.8124	Ave		0.8280				8.4		20.0			
alpha-Chlordane	0.7230 0.7536	0.9081	0.8104	0.7359	0.7617	Ave		0.7821				8.8		20.0			
Endosulfan I	0.6962 0.7232	0.8786	0.7879	0.7140	0.7381	Ave		0.7563				8.9		20.0			
4,4'-DDE	0.6333 0.7492	0.8383	0.7715	0.7172	0.7521	Ave		0.7436				9.1		20.0			
Dieldrin	0.6917 0.7905	0.9019	0.8260	0.7627	0.7966	Ave		0.7949				8.7		20.0			
Endrin	0.5682 0.6494	0.7440	0.6680	0.6193	0.6467	Ave		0.6493				8.9		20.0			
4,4'-DDD	0.4908 0.5802	0.6497	0.5943	0.5480	0.5738	Ave		0.5728				9.2		20.0			
Endosulfan II	0.6087 0.6299	0.7654	0.6814	0.6134	0.6335	Ave		0.6554				9.1		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 246384

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2016 17:12 Calibration End Date: 09/12/2016 19:20 Calibration ID: 35978

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
4,4'-DDT	0.5403 0.6161	0.7024	0.6358	0.5869	0.6102	Ave		0.6153				8.7		20.0			
Endrin aldehyde	0.5064 0.5080	0.6238	0.5514	0.4959	0.5113	Ave		0.5328				9.1		20.0			
Endosulfan sulfate	0.5885 0.5976	0.7303	0.6475	0.5799	0.5979	Ave		0.6236				9.2		20.0			
Methoxychlor	0.3143 0.2973	0.3839	0.3354	0.2929	0.2978	Ave		0.3203				10.9		20.0			
Endrin ketone	0.6209 0.6426	0.7721	0.6996	0.6251	0.6442	Ave		0.6674				8.8		20.0			
Tetrachloro-m-xylene	0.7213 0.7311	0.8953	0.8108	0.7244	0.7491	Ave		0.7720				8.9		20.0			
DCB Decachlorobiphenyl	0.5748 0.4796	0.6770	0.5778	0.4911	0.4935	Ave		0.5490				13.9		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 246384

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2016 17:12 Calibration End Date: 09/12/2016 19:20 Calibration ID: 35978

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-246384/8	P3091208.D
Level 2	STD 240-246384/9	P3091209.D
Level 3	STD 240-246384/10	P3091210.D
Level 4	STD 240-246384/11	P3091211.D
Level 5	STD 240-246384/12	P3091212.D
Level 6	STD 240-246384/13	P3091213.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
alpha-BHC	BNB	Ave	15690073 761217105	41562691	98287817	192249149	378309010	5.00 200	10.0	25.0	50.0	100
gamma-BHC (Lindane)	BNB	Ave	14999457 693903001	38781875	90393498	176275182	345097706	5.00 200	10.0	25.0	50.0	100
beta-BHC	BNB	Ave	7534852 277507444	18011182	39415109	73935061	141148547	5.00 200	10.0	25.0	50.0	100
delta-BHC	BNB	Ave	14456327 691413122	38193683	89026926	175259652	344536038	5.00 200	10.0	25.0	50.0	100
Heptachlor	BNB	Ave	14974433 630530643	37930949	85590271	167254900	321141667	5.00 200	10.0	25.0	50.0	100
Aldrin	BNB	Ave	12939678 588412637	32996581	77102675	150882286	294457132	5.00 200	10.0	25.0	50.0	100
Heptachlor epoxide	BNB	Ave	11861899 487400293	29635892	66080569	127567243	246204786	5.00 200	10.0	25.0	50.0	100
gamma-Chlordane	BNB	Ave	11596456 486719396	28742183	64271327	124545659	242469727	5.00 200	10.0	25.0	50.0	100
alpha-Chlordane	BNB	Ave	11004318 456160543	27365496	60893879	117452878	227319596	5.00 200	10.0	25.0	50.0	100
Endosulfan I	BNB	Ave	10596212 437779786	26476507	59207396	113960552	220297539	5.00 200	10.0	25.0	50.0	100
4,4'-DDE	BNB	Ave	9638763 453535459	25263047	57971716	114466961	224458036	5.00 200	10.0	25.0	50.0	100
Dieldrin	BNB	Ave	10526951 478513171	27180498	62068849	121728407	237727798	5.00 200	10.0	25.0	50.0	100
Endrin	BNB	Ave	8647835 393114684	22421911	50194445	98844398	193013566	5.00 200	10.0	25.0	50.0	100
4,4'-DDD	BNB	Ave	7469455 351204461	19580297	44660061	87461615	171240863	5.00 200	10.0	25.0	50.0	100
Endosulfan II	BNB	Ave	9264332 381273507	23064557	51205457	97900663	189064511	5.00 200	10.0	25.0	50.0	100
4,4'-DDT	BNB	Ave	8223825 372969099	21168452	47777112	93675830	182126329	5.00 200	10.0	25.0	50.0	100

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 246384

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2016 17:12 Calibration End Date: 09/12/2016 19:20 Calibration ID: 35978

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endrin aldehyde	BNB	Ave	7707255 307493638	18799891	41432332	79151354	152593952	5.00 200	10.0	25.0	50.0	100
Endosulfan sulfate	BNB	Ave	8956630 361749026	22009126	48654844	92555990	178448587	5.00 200	10.0	25.0	50.0	100
Methoxychlor	BNB	Ave	4783319 179935867	11567955	25205716	46756215	88864394	5.00 200	10.0	25.0	50.0	100
Endrin ketone	BNB	Ave	9449729 389009896	23266743	52567004	99766205	192246758	5.00 200	10.0	25.0	50.0	100
Tetrachloro-m-xylene	BNB	Ave	10978365 442536391	26980125	60927809	115621469	223560075	5.00 200	10.0	25.0	50.0	100
DCB Decachlorobiphenyl	BNB	Ave	8748953 290286433	20400645	43421668	78382132	147280742	5.00 200	10.0	25.0	50.0	100

Curve Type Legend:
Ave = Average ISTD

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 246384

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2016 20:10 Calibration End Date: 09/12/2016 21:49 Calibration ID: 35983

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-246384/15	P3091215.D
Level 2	STD 240-246384/16	P3091216.D
Level 3	STD 240-246384/17	P3091217.D
Level 4	STD 240-246384/18	P3091218.D
Level 5	STD 240-246384/19	P3091219.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Toxaphene Peak 1	0.0316	0.0303	0.0307	0.0290	0.0302	Ave		0.0304				3.0		20.0			
Toxaphene Peak 2	0.0336	0.0318	0.0313	0.0306	0.0310	Ave		0.0317				3.8		20.0			
Toxaphene Peak 3	0.0342	0.0328	0.0334	0.0317	0.0325	Ave		0.0329				2.8		20.0			
Toxaphene Peak 4	0.0239	0.0265	0.0260	0.0249	0.0254	Ave		0.0253				3.9		20.0			
Toxaphene Peak 5	0.0293	0.0296	0.0294	0.0276	0.0281	Ave		0.0288				3.1		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 246384

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2016 20:10 Calibration End Date: 09/12/2016 21:49 Calibration ID: 35983

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-246384/15	P3091215.D
Level 2	STD 240-246384/16	P3091216.D
Level 3	STD 240-246384/17	P3091217.D
Level 4	STD 240-246384/18	P3091218.D
Level 5	STD 240-246384/19	P3091219.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	BNB	Ave	9971760	50662904	107004099	186679825	498684661	100	500	1000	2000	5000
Toxaphene Peak 2	BNB	Ave	10627392	53249390	108891248	196722691	511153436	100	500	1000	2000	5000
Toxaphene Peak 3	BNB	Ave	10794455	54933824	116225962	204124940	535284107	100	500	1000	2000	5000
Toxaphene Peak 4	BNB	Ave	7553517	44324437	90542628	160439869	418710595	100	500	1000	2000	5000
Toxaphene Peak 5	BNB	Ave	9262829	49440226	102260264	177189376	462853008	100	500	1000	2000	5000

Curve Type Legend:
Ave = Average ISTD

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 246384

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2016 20:10 Calibration End Date: 09/12/2016 21:49 Calibration ID: 35984

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-246384/15	P3091215.D
Level 2	STD 240-246384/16	P3091216.D
Level 3	STD 240-246384/17	P3091217.D
Level 4	STD 240-246384/18	P3091218.D
Level 5	STD 240-246384/19	P3091219.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Toxaphene Peak 1	0.0219	0.0220	0.0228	0.0218	0.0225	Ave		0.0222				1.9		20.0			
Toxaphene Peak 2	0.0372	0.0360	0.0373	0.0354	0.0366	Ave		0.0365				2.2		20.0			
Toxaphene Peak 3	0.0237	0.0242	0.0254	0.0246	0.0257	Ave		0.0247				3.4		20.0			
Toxaphene Peak 4	0.0209	0.0202	0.0210	0.0202	0.0208	Ave		0.0206				2.0		20.0			
Toxaphene Peak 5	0.0117	0.0116	0.0122	0.0121	0.0127	Ave		0.0121				3.6		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 246384

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2016 20:10 Calibration End Date: 09/12/2016 21:49 Calibration ID: 35984

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-246384/15	P3091215.D
Level 2	STD 240-246384/16	P3091216.D
Level 3	STD 240-246384/17	P3091217.D
Level 4	STD 240-246384/18	P3091218.D
Level 5	STD 240-246384/19	P3091219.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	BNB	Ave	4662615	24730187	53469745	92008245	238218842	100	500	1000	2000	5000
Toxaphene Peak 2	BNB	Ave	7923224	40513730	87643850	149494160	388198070	100	500	1000	2000	5000
Toxaphene Peak 3	BNB	Ave	5034805	27182973	59567779	103854175	272283697	100	500	1000	2000	5000
Toxaphene Peak 4	BNB	Ave	4440281	22695348	49329344	85134564	220736077	100	500	1000	2000	5000
Toxaphene Peak 5	BNB	Ave	2494486	12994334	28676019	51218231	134446108	100	500	1000	2000	5000

Curve Type Legend:
Ave = Average ISTD

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 246384

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2016 22:38 Calibration End Date: 09/13/2016 00:15 Calibration ID: 35989

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-246384/21	P3091221.D
Level 2	STD 240-246384/22	P3091222.D
Level 3	STD 240-246384/23	P3091223.D
Level 4	STD 240-246384/24	P3091224.D
Level 5	STD 240-246384/25	P3091225.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlordane (technical) Peak 1	0.0599	0.0546	0.0531	0.0492	0.0496	Ave		0.0533				8.2		20.0			
Chlordane (technical) Peak 2	0.0729	0.0693	0.0654	0.0598	0.0577	Ave		0.0650				9.8		20.0			
Chlordane (technical) Peak 3	0.1927	0.1740	0.1688	0.1641	0.1658	Ave		0.1731				6.7		20.0			
Chlordane (technical) Peak 4	0.2541	0.2247	0.2188	0.2117	0.2129	Ave		0.2244				7.7		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 246384

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2016 22:38 Calibration End Date: 09/13/2016 00:15 Calibration ID: 35989

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-246384/21	P3091221.D
Level 2	STD 240-246384/22	P3091222.D
Level 3	STD 240-246384/23	P3091223.D
Level 4	STD 240-246384/24	P3091224.D
Level 5	STD 240-246384/25	P3091225.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Chlordane (technical) Peak 1	BNB	Ave	4253718	10153706	19790157	36499268	89628112	20.0	50.0	100	200	500
Chlordane (technical) Peak 2	BNB	Ave	5173236	12897792	24361996	44329393	104242335	20.0	50.0	100	200	500
Chlordane (technical) Peak 3	BNB	Ave	13678840	32359000	62893281	121640129	299637607	20.0	50.0	100	200	500
Chlordane (technical) Peak 4	BNB	Ave	18035904	41790397	81498302	156895431	384827586	20.0	50.0	100	200	500

Curve Type Legend:
Ave = Average ISTD

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 246384

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2016 22:38 Calibration End Date: 09/13/2016 00:15 Calibration ID: 35990

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-246384/21	P3091221.D
Level 2	STD 240-246384/22	P3091222.D
Level 3	STD 240-246384/23	P3091223.D
Level 4	STD 240-246384/24	P3091224.D
Level 5	STD 240-246384/25	P3091225.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlordane (technical) Peak 1	0.0551	0.0498	0.0486	0.0471	0.0490	Ave		0.0499				6.1		20.0			
Chlordane (technical) Peak 2	0.0661	0.0563	0.0510	0.0482	0.0472	Ave		0.0538				14.4		20.0			
Chlordane (technical) Peak 3	0.1492	0.1378	0.1309	0.1307	0.1355	Ave		0.1368				5.5		20.0			
Chlordane (technical) Peak 4	0.1153	0.1083	0.1020	0.1012	0.1043	Ave		0.1062				5.4		20.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
PESTICIDES BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 246384

SDG No.:

Instrument ID: A2HP3 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/12/2016 22:38 Calibration End Date: 09/13/2016 00:15 Calibration ID: 35990

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD 240-246384/21	P3091221.D
Level 2	STD 240-246384/22	P3091222.D
Level 3	STD 240-246384/23	P3091223.D
Level 4	STD 240-246384/24	P3091224.D
Level 5	STD 240-246384/25	P3091225.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Chlordane (technical) Peak 1	BNB	Ave	2632588	6189231	12403058	23611411	59517033	20.0	50.0	100	200	500
Chlordane (technical) Peak 2	BNB	Ave	3156628	6994543	13029820	24138164	57364667	20.0	50.0	100	200	500
Chlordane (technical) Peak 3	BNB	Ave	7125832	17121099	33403168	65447076	164672541	20.0	50.0	100	200	500
Chlordane (technical) Peak 4	BNB	Ave	5505461	13461031	26037932	50691383	126845529	20.0	50.0	100	200	500

Curve Type Legend:
Ave = Average ISTD

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-246384/14 Calibration Date: 09/12/2016 19:45

Instrument ID: A2HP3 Calib Start Date: 09/12/2016 17:12

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/12/2016 19:20

Lab File ID: P3091214.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1.284	1.216		23.7	25.0	-5.3	20.0
gamma-BHC (Lindane)	Ave	1.176	1.087		23.1	25.0	-7.6	20.0
beta-BHC	Ave	0.5007	0.4664		23.3	25.0	-6.8	20.0
delta-BHC	Ave	1.191	1.120		23.5	25.0	-6.0	20.0
Heptachlor	Ave	1.124	1.014		22.5	25.0	-9.8	20.0
Aldrin	Ave	1.094	1.067		24.4	25.0	-2.5	20.0
Heptachlor epoxide	Ave	0.9657	0.9192		23.8	25.0	-4.8	20.0
gamma-Chlordane	Ave	0.998	0.9673		24.2	25.0	-3.1	20.0
alpha-Chlordane	Ave	0.9774	0.9689		24.8	25.0	-0.9	20.0
Endosulfan I	Ave	0.8370	0.8255		24.7	25.0	-1.4	20.0
4,4'-DDE	Ave	0.9747	0.9075		23.3	25.0	-6.9	20.0
Dieldrin	Ave	0.9566	0.8961		23.4	25.0	-6.3	20.0
Endrin	Ave	0.7939	0.7504		23.6	25.0	-5.5	20.0
4,4'-DDD	Ave	0.7051	0.6606		23.4	25.0	-6.3	20.0
Endosulfan II	Ave	0.8327	0.8049		24.2	25.0	-3.3	20.0
4,4'-DDT	Ave	0.7652	0.7097		23.2	25.0	-7.3	20.0
Endrin aldehyde	Ave	0.6555	0.6262		23.9	25.0	-4.5	20.0
Methoxychlor	Ave	0.3811	0.3659		24.0	25.0	-4.0	20.0
Endosulfan sulfate	Ave	0.7266	0.6825		23.5	25.0	-6.1	20.0
Endrin ketone	Ave	0.8053	0.7497		23.3	25.0	-6.9	20.0
Tetrachloro-m-xylene	Ave	0.8560	0.7750		22.6	25.0	-9.5	20.0
DCB Decachlorobiphenyl	Ave	0.5924	0.5447		23.0	25.0	-8.1	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-246384/14 Calibration Date: 09/12/2016 19:45

Instrument ID: A2HP3 Calib Start Date: 09/12/2016 17:12

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/12/2016 19:20

Lab File ID: P3091214.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.96	4.95	4.98
gamma-BHC (Lindane)	5.46	5.44	5.48
beta-BHC	5.63	5.61	5.65
delta-BHC	5.93	5.91	5.94
Heptachlor	6.32	6.30	6.33
Aldrin	6.95	6.94	6.97
Heptachlor epoxide	8.45	8.43	8.46
gamma-Chlordane	8.72	8.70	8.74
alpha-Chlordane	9.00	8.99	9.02
Endosulfan I	9.25	9.23	9.27
4,4'-DDE	9.28	9.27	9.30
Dieldrin	9.73	9.71	9.74
Endrin	10.14	10.12	10.15
4,4'-DDD	10.40	10.39	10.42
Endosulfan II	10.54	10.52	10.56
4,4'-DDT	10.88	10.86	10.89
Endrin aldehyde	11.27	11.25	11.28
Methoxychlor	11.74	11.72	11.75
Endosulfan sulfate	11.95	11.93	11.97
Endrin ketone	12.35	12.33	12.36
Tetrachloro-m-xylene	4.19	4.18	4.21
DCB Decachlorobiphenyl	13.86	13.84	13.88

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-246384/14 Calibration Date: 09/12/2016 19:45

Instrument ID: A2HP3 Calib Start Date: 09/12/2016 17:12

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/12/2016 19:20

Lab File ID: P3091214.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1.241	1.166		23.5	25.0	-6.1	20.0
gamma-BHC (Lindane)	Ave	1.147	1.044		22.8	25.0	-9.0	20.0
beta-BHC	Ave	0.5020	0.4586		22.8	25.0	-8.7	20.0
delta-BHC	Ave	1.133	1.047		23.1	25.0	-7.6	20.0
Heptachlor	Ave	1.091	0.9732		22.3	25.0	-10.8	20.0
Aldrin	Ave	0.9792	0.9445		24.1	25.0	-3.5	20.0
Heptachlor epoxide	Ave	0.8453	0.7912		23.4	25.0	-6.4	20.0
gamma-Chlordane	Ave	0.8280	0.7958		24.0	25.0	-3.9	20.0
alpha-Chlordane	Ave	0.7821	0.7707		24.6	25.0	-1.5	20.0
Endosulfan I	Ave	0.7563	0.7180		23.7	25.0	-5.1	20.0
4,4'-DDE	Ave	0.7436	0.7021		23.6	25.0	-5.6	20.0
Dieldrin	Ave	0.7949	0.7376		23.2	25.0	-7.2	20.0
Endrin	Ave	0.6493	0.6081		23.4	25.0	-6.3	20.0
4,4'-DDD	Ave	0.5728	0.5327		23.3	25.0	-7.0	20.0
Endosulfan II	Ave	0.6554	0.6278		23.9	25.0	-4.2	20.0
4,4'-DDT	Ave	0.6153	0.5664		23.0	25.0	-8.0	20.0
Endrin aldehyde	Ave	0.5328	0.4986		23.4	25.0	-6.4	20.0
Endosulfan sulfate	Ave	0.6236	0.5771		23.1	25.0	-7.5	20.0
Methoxychlor	Ave	0.3203	0.3042		23.7	25.0	-5.0	20.0
Endrin ketone	Ave	0.6674	0.6127		22.9	25.0	-8.2	20.0
Tetrachloro-m-xylene	Ave	0.7720	0.6967		22.6	25.0	-9.8	20.0
DCB Decachlorobiphenyl	Ave	0.5490	0.5036		22.9	25.0	-8.3	20.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-246384/14 Calibration Date: 09/12/2016 19:45

Instrument ID: A2HP3 Calib Start Date: 09/12/2016 17:12

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/12/2016 19:20

Lab File ID: P3091214.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	6.10	6.08	6.11
gamma-BHC (Lindane)	6.93	6.92	6.95
beta-BHC	7.19	7.18	7.21
delta-BHC	7.97	7.96	7.99
Heptachlor	8.08	8.06	8.10
Aldrin	8.83	8.81	8.85
Heptachlor epoxide	10.06	10.04	10.07
gamma-Chlordane	10.41	10.39	10.43
alpha-Chlordane	10.68	10.67	10.70
Endosulfan I	10.76	10.74	10.78
4,4'-DDE	11.04	11.02	11.06
Dieldrin	11.24	11.22	11.25
Endrin	11.73	11.71	11.75
4,4'-DDD	11.98	11.96	12.00
Endosulfan II	12.08	12.06	12.09
4,4'-DDT	12.45	12.44	12.47
Endrin aldehyde	12.61	12.59	12.62
Endosulfan sulfate	13.02	13.00	13.04
Methoxychlor	13.47	13.46	13.49
Endrin ketone	13.77	13.75	13.79
Tetrachloro-m-xylene	4.95	4.93	4.96
DCB Decachlorobiphenyl	15.46	15.44	15.47

PESTICIDES ANALYSIS RUN LOG

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: A2HP3 Start Date: 10/02/2016 17:59

Analysis Batch Number: 249394 End Date: 10/03/2016 01:37

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 240-249394/5		10/02/2016 17:59	1	P3100205.D	CLP-1 (0.53mm) 0.53(mm)
PEM 240-249394/5		10/02/2016 17:59	1	P3100205.D	CLP-2 (0.53mm) 0.53(mm)
CCV 240-249394/6 CCVIS		10/02/2016 18:23	1	P3100206.D	CLP-1 (0.53mm) 0.53(mm)
CCV 240-249394/6 CCVIS		10/02/2016 18:23	1	P3100206.D	CLP-2 (0.53mm) 0.53(mm)
CCV 240-249394/7		10/02/2016 18:47	1	P3100207.D	CLP-1 (0.53mm) 0.53(mm)
CCV 240-249394/7		10/02/2016 18:47	1	P3100207.D	CLP-2 (0.53mm) 0.53(mm)
CCV 240-249394/8		10/02/2016 19:11	1	P3100208.D	CLP-1 (0.53mm) 0.53(mm)
CCV 240-249394/8		10/02/2016 19:11	1	P3100208.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		10/02/2016 19:35	5		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		10/02/2016 19:35	5		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		10/02/2016 19:59	5		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		10/02/2016 19:59	5		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		10/02/2016 20:23	5		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		10/02/2016 20:23	5		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		10/02/2016 20:48	5		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		10/02/2016 20:48	5		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		10/02/2016 21:12	5		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		10/02/2016 21:12	5		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		10/02/2016 22:48	10		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		10/02/2016 22:48	10		CLP-2 (0.53mm) 0.53(mm)
240-69767-61		10/02/2016 23:12	1	P3100218.D	CLP-1 (0.53mm) 0.53(mm)
240-69767-61		10/02/2016 23:12	1	P3100218.D	CLP-2 (0.53mm) 0.53(mm)
MB 240-248893/6-A		10/02/2016 23:37	1	P3100219.D	CLP-1 (0.53mm) 0.53(mm)
MB 240-248893/6-A		10/02/2016 23:37	1	P3100219.D	CLP-2 (0.53mm) 0.53(mm)
LCS 240-248893/7-A		10/03/2016 00:01	1	P3100220.D	CLP-1 (0.53mm) 0.53(mm)
LCS 240-248893/7-A		10/03/2016 00:01	1	P3100220.D	CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		10/03/2016 00:25	20		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		10/03/2016 00:25	20		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		10/03/2016 00:49	20		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		10/03/2016 00:49	20		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		10/03/2016 01:13	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		10/03/2016 01:13	1		CLP-2 (0.53mm) 0.53(mm)
ZZZZZ		10/03/2016 01:37	1		CLP-1 (0.53mm) 0.53(mm)
ZZZZZ		10/03/2016 01:37	1		CLP-2 (0.53mm) 0.53(mm)

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID (1): PEM 240-249394/5 Instrument ID (1): A2HP3

GC Column (1): CLP-1 (0.53mm ID: 0.53(mm) Date Analyzed (1): 10/02/2016 17:59

ANALYTE	RT	RESOLUTION (%)
Methoxychlor		100.0
Tetrachloro-m-xylene	4.05	100.0
alpha-BHC	4.79	100.0
gamma-BHC (Lindane)	5.26	100.0
beta-BHC	5.42	100.0
4,4'-DDE	9.03	100.0
Endrin	9.87	100.0
4,4'-DDD	10.17	100.0
4,4'-DDT	10.64	100.0
Endrin aldehyde	11.02	100.0

FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID (2): PEM 240-249394/5 Instrument ID (2): A2HP3

GC Column (2): CLP-2 (0.53mm ID: 0.53(mm) Date Analyzed (2): 10/02/2016 17:59

ANALYTE	RT	RESOLUTION (%)
Methoxychlor		100.0
Tetrachloro-m-xylene	4.79	100.0
alpha-BHC	5.87	100.0
gamma-BHC (Lindane)	6.65	100.0
beta-BHC	6.90	100.0
4,4'-DDE	10.82	100.0
Endrin	11.50	100.0
4,4'-DDD	11.77	100.0
4,4'-DDT	12.24	100.0
Endrin aldehyde	12.39	100.0

FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: PEM 240-249394/5 Calibration Date: 10/02/2016 17:59

Instrument ID: A2HP3 Calib Start Date: 09/12/2016 17:12

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/12/2016 19:20

Lab File ID: P3100205.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	9.87	194446148	3.33	15	
Endrin aldehyde	11.02	1934682			
Endrin ketone	12.11	4758102			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	10.64	349560654	0.33	15	
4,4'-DDD	10.17	659538			
4,4'-DDE	9.03	482276			

FORM VII
PESTICIDES PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: PEM 240-249394/5 Calibration Date: 10/02/2016 17:59

Instrument ID: A2HP3 Calib Start Date: 09/12/2016 17:12

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/12/2016 19:20

Lab File ID: P3100205.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	11.50	102936040	3.19	15	
Endrin aldehyde	12.39	1223570			
Endrin ketone	13.55	2167966			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	12.24	187756916	0.38	15	
4,4'-DDD	11.77	361657			
4,4'-DDE	10.82	349244			

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249394/6 Calibration Date: 10/02/2016 18:23

Instrument ID: A2HP3 Calib Start Date: 09/12/2016 17:12

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/12/2016 19:20

Lab File ID: P3100206.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1.284	1.381		26.9	25.0	7.6	15.0
gamma-BHC (Lindane)	Ave	1.176	1.260		26.8	25.0	7.1	15.0
beta-BHC	Ave	0.5007	0.5407		27.0	25.0	8.0	15.0
delta-BHC	Ave	1.191	1.297		27.2	25.0	8.9	15.0
Heptachlor	Ave	1.124	1.198		26.6	25.0	6.5	15.0
Aldrin	Ave	1.094	1.135		25.9	25.0	3.8	15.0
Heptachlor epoxide	Ave	0.9657	1.011		26.2	25.0	4.7	15.0
gamma-Chlordane	Ave	0.998	1.043		26.1	25.0	4.6	15.0
alpha-Chlordane	Ave	0.9774	1.037		26.5	25.0	6.1	15.0
Endosulfan I	Ave	0.8370	0.9307		27.8	25.0	11.2	15.0
4,4'-DDE	Ave	0.9747	0.9619		24.7	25.0	-1.3	15.0
Dieldrin	Ave	0.9566	1.007		26.3	25.0	5.3	15.0
Endrin	Ave	0.7939	0.8922		28.1	25.0	12.4	15.0
4,4'-DDD	Ave	0.7051	0.7198		25.5	25.0	2.1	15.0
Endosulfan II	Ave	0.8327	0.8755		26.3	25.0	5.1	15.0
4,4'-DDT	Ave	0.7652	0.7966		26.0	25.0	4.1	15.0
Endrin aldehyde	Ave	0.6555	0.6687		25.5	25.0	2.0	15.0
Methoxychlor	Ave	0.3811	0.3872		25.4	25.0	1.6	15.0
Endosulfan sulfate	Ave	0.7266	0.7470		25.7	25.0	2.8	15.0
Endrin ketone	Ave	0.8053	0.8001		24.8	25.0	-0.6	15.0
Tetrachloro-m-xylene	Ave	0.8560	0.8489		24.8	25.0	-0.8	15.0
DCB Decachlorobiphenyl	Ave	0.5924	0.5866		24.8	25.0	-1.0	15.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249394/6 Calibration Date: 10/02/2016 18:23

Instrument ID: A2HP3 Calib Start Date: 09/12/2016 17:12

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/12/2016 19:20

Lab File ID: P3100206.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.79	4.77	4.80
gamma-BHC (Lindane)	5.26	5.24	5.27
beta-BHC	5.42	5.40	5.44
delta-BHC	5.70	5.68	5.72
Heptachlor	6.06	6.04	6.08
Aldrin	6.65	6.64	6.67
Heptachlor epoxide	8.15	8.13	8.16
gamma-Chlordane	8.43	8.41	8.45
alpha-Chlordane	8.72	8.71	8.74
Endosulfan I	8.97	8.95	8.99
4,4'-DDE	9.02	9.01	9.04
Dieldrin	9.46	9.44	9.47
Endrin	9.87	9.86	9.89
4,4'-DDD	10.16	10.15	10.18
Endosulfan II	10.29	10.27	10.30
4,4'-DDT	10.64	10.63	10.66
Endrin aldehyde	11.02	11.00	11.04
Methoxychlor	11.52	11.50	11.53
Endosulfan sulfate	11.71	11.70	11.73
Endrin ketone	12.11	12.09	12.12
Tetrachloro-m-xylene	4.05	4.03	4.06
DCB Decachlorobiphenyl	13.64	13.62	13.66

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249394/6 Calibration Date: 10/02/2016 18:23

Instrument ID: A2HP3 Calib Start Date: 09/12/2016 17:12

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/12/2016 19:20

Lab File ID: P3100206.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Ave	1.241	1.282		25.8	25.0	3.3	15.0
gamma-BHC (Lindane)	Ave	1.147	1.170		25.5	25.0	2.0	15.0
beta-BHC	Ave	0.5020	0.5074		25.3	25.0	1.1	15.0
delta-BHC	Ave	1.133	1.166		25.7	25.0	3.0	15.0
Heptachlor	Ave	1.091	1.204		27.6	25.0	10.4	15.0
Aldrin	Ave	0.9792	1.002		25.6	25.0	2.3	15.0
Heptachlor epoxide	Ave	0.8453	0.8847		26.2	25.0	4.7	15.0
gamma-Chlordane	Ave	0.8280	0.8775		26.5	25.0	6.0	15.0
alpha-Chlordane	Ave	0.7821	0.8010		25.6	25.0	2.4	15.0
Endosulfan I	Ave	0.7563	0.7593		25.1	25.0	0.4	15.0
4,4'-DDE	Ave	0.7436	0.7463		25.1	25.0	0.4	15.0
Dieldrin	Ave	0.7949	0.8096		25.5	25.0	1.8	15.0
Endrin	Ave	0.6493	0.7006		27.0	25.0	7.9	15.0
4,4'-DDD	Ave	0.5728	0.5603		24.5	25.0	-2.2	15.0
Endosulfan II	Ave	0.6554	0.6702		25.6	25.0	2.3	15.0
4,4'-DDT	Ave	0.6153	0.6127		24.9	25.0	-0.4	15.0
Endrin aldehyde	Ave	0.5328	0.5265		24.7	25.0	-1.2	15.0
Endosulfan sulfate	Ave	0.6236	0.6188		24.8	25.0	-0.8	15.0
Methoxychlor	Ave	0.3203	0.3212		25.1	25.0	0.3	15.0
Endrin ketone	Ave	0.6674	0.6456		24.2	25.0	-3.3	15.0
Tetrachloro-m-xylene	Ave	0.7720	0.7454		24.1	25.0	-3.4	15.0
DCB Decachlorobiphenyl	Ave	0.5490	0.5453		24.8	25.0	-0.7	15.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249394/6 Calibration Date: 10/02/2016 18:23

Instrument ID: A2HP3 Calib Start Date: 09/12/2016 17:12

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/12/2016 19:20

Lab File ID: P3100206.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	5.87	5.85	5.89
gamma-BHC (Lindane)	6.65	6.64	6.67
beta-BHC	6.90	6.88	6.91
delta-BHC	7.68	7.66	7.69
Heptachlor	7.78	7.76	7.80
Aldrin	8.55	8.54	8.57
Heptachlor epoxide	9.81	9.79	9.83
gamma-Chlordane	10.17	10.15	10.19
alpha-Chlordane	10.45	10.43	10.46
Endosulfan I	10.52	10.51	10.54
4,4'-DDE	10.82	10.80	10.84
Dieldrin	11.01	10.99	11.02
Endrin	11.50	11.48	11.52
4,4'-DDD	11.77	11.75	11.78
Endosulfan II	11.85	11.83	11.87
4,4'-DDT	12.24	12.22	12.26
Endrin aldehyde	12.39	12.37	12.40
Endosulfan sulfate	12.80	12.78	12.82
Methoxychlor	13.27	13.25	13.29
Endrin ketone	13.55	13.53	13.57
Tetrachloro-m-xylene	4.79	4.77	4.80
DCB Decachlorobiphenyl	15.24	15.22	15.26

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249394/7 Calibration Date: 10/02/2016 18:47

Instrument ID: A2HP3 Calib Start Date: 09/12/2016 20:10

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/12/2016 21:49

Lab File ID: P3100207.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	0.0304	0.0314		1030	1000	3.5	15.0
Toxaphene Peak 2	Ave	0.0317	0.0328		1040	1000	3.7	15.0
Toxaphene Peak 3	Ave	0.0329	0.0335		1020	1000	1.8	15.0
Toxaphene Peak 4	Ave	0.0253	0.0225		888	1000	-11.2	15.0
Toxaphene Peak 5	Ave	0.0288	0.0299		1040	1000	4.0	15.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249394/7 Calibration Date: 10/02/2016 18:47

Instrument ID: A2HP3 Calib Start Date: 09/12/2016 20:10

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/12/2016 21:49

Lab File ID: P3100207.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	9.95	9.93	9.97
Toxaphene Peak 2	10.28	10.26	10.30
Toxaphene Peak 3	10.90	10.88	10.91
Toxaphene Peak 4	11.20	11.19	11.22
Toxaphene Peak 5	11.53	11.51	11.55

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249394/7 Calibration Date: 10/02/2016 18:47

Instrument ID: A2HP3 Calib Start Date: 09/12/2016 20:10

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/12/2016 21:49

Lab File ID: P3100207.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Ave	0.0222	0.0230		1040	1000	3.6	15.0
Toxaphene Peak 2	Ave	0.0365	0.0339		929	1000	-7.1	15.0
Toxaphene Peak 3	Ave	0.0247	0.0241		974	1000	-2.6	15.0
Toxaphene Peak 4	Ave	0.0206	0.0204		989	1000	-1.1	15.0
Toxaphene Peak 5	Ave	0.0121	0.0111		922	1000	-7.8	15.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249394/7 Calibration Date: 10/02/2016 18:47

Instrument ID: A2HP3 Calib Start Date: 09/12/2016 20:10

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/12/2016 21:49

Lab File ID: P3100207.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	11.83	11.82	11.85
Toxaphene Peak 2	11.99	11.97	12.01
Toxaphene Peak 3	12.40	12.38	12.41
Toxaphene Peak 4	13.13	13.12	13.15
Toxaphene Peak 5	13.22	13.20	13.23

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249394/8 Calibration Date: 10/02/2016 19:11

Instrument ID: A2HP3 Calib Start Date: 09/12/2016 22:38

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/13/2016 00:15

Lab File ID: P3100208.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (technical) Peak 1	Ave	0.0533	0.0520		97.6	100	-2.4	15.0
Chlordane (technical) Peak 2	Ave	0.0650	0.0606		93.2	100	-6.8	15.0
Chlordane (technical) Peak 3	Ave	0.1731	0.1667		96.3	100	-3.7	15.0
Chlordane (technical) Peak 4	Ave	0.2244	0.2219		98.9	100	-1.1	15.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249394/8 Calibration Date: 10/02/2016 19:11

Instrument ID: A2HP3 Calib Start Date: 09/12/2016 22:38

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/13/2016 00:15

Lab File ID: P3100208.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (technical) Peak 1	5.91	5.90	5.93
Chlordane (technical) Peak 2	7.03	7.02	7.05
Chlordane (technical) Peak 3	8.43	8.41	8.45
Chlordane (technical) Peak 4	8.72	8.70	8.74

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249394/8 Calibration Date: 10/02/2016 19:11

Instrument ID: A2HP3 Calib Start Date: 09/12/2016 22:38

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/13/2016 00:15

Lab File ID: P3100208.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlordane (technical) Peak 1	Ave	0.0499	0.0496		99.3	100	-0.7	15.0
Chlordane (technical) Peak 2	Ave	0.0538	0.0498		92.7	100	-7.3	15.0
Chlordane (technical) Peak 3	Ave	0.1368	0.1282		93.7	100	-6.3	15.0
Chlordane (technical) Peak 4	Ave	0.1062	0.0974		91.7	100	-8.3	15.0

FORM VII
PESTICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249394/8 Calibration Date: 10/02/2016 19:11

Instrument ID: A2HP3 Calib Start Date: 09/12/2016 22:38

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/13/2016 00:15

Lab File ID: P3100208.D

Analyte	RT	RT WINDOW	
		FROM	TO
Chlordane (technical) Peak 1	7.40	7.38	7.41
Chlordane (technical) Peak 2	8.96	8.94	8.98
Chlordane (technical) Peak 3	10.17	10.15	10.19
Chlordane (technical) Peak 4	10.45	10.43	10.46

FORM IV
PESTICIDES METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: MB 240-248893/6-A

Matrix: Water Date Extracted: 09/28/2016 13:55

Lab File ID:(1) P3100219.D Lab File ID:(2) P3100219.D

Date Analyzed:(1) 10/02/2016 23:37 Date Analyzed:(2) 10/02/2016 23:37

Instrument ID:(1) A2HP3 Instrument ID:(2) A2HP3

GC Column:(1) CLP-1 (0.53m ID: 0.53(mm) GC Column:(2) CLP-2 (0.53m ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
DR-TP-A64-PRE-EX	240-69767-61	10/02/2016 23:12	10/02/2016 23:12
	LCS 240-248893/7-A	10/03/2016 00:01	10/03/2016 00:01

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-248893/6-A

Matrix: Solid | Lab File ID: P3100219.D

Analysis Method: 8081A | Date Collected:

Extraction Method: 3520C | Date Extracted: 09/28/2016 13:55

Sample wt/vol: 250(mL) | Date Analyzed: 10/02/2016 23:37

Con. Extract Vol.: 3(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 249394 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
57-74-9	Chlordane (technical)	0.00014	U	0.0050	0.00014
72-20-8	Endrin	0.000013	U	0.00050	0.000013
76-44-8	Heptachlor	0.000014	U	0.00050	0.000014
1024-57-3	Heptachlor epoxide	0.000015	U	0.00050	0.000015
58-89-9	gamma-BHC (Lindane)	0.000013	U	0.00050	0.000013
72-43-5	Methoxychlor	0.000013	U	0.0010	0.000013
8001-35-2	Toxaphene	0.00020	U	0.020	0.00020

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	46		33-123
2051-24-3	DCB Decachlorobiphenyl	68		21-135

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-248893/6-A

Matrix: Solid | Lab File ID: P3100219.D

Analysis Method: 8081A | Date Collected:

Extraction Method: 3520C | Date Extracted: 09/28/2016 13:55

Sample wt/vol: 250(mL) | Date Analyzed: 10/02/2016 23:37

Con. Extract Vol.: 3(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 249394 | Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	55		33-123
2051-24-3	DCB Decachlorobiphenyl	83		21-135

FORM III
PESTICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P3100220.D

Lab ID: LCS 240-248893/7-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
Endrin	0.000800	0.000544	68	36-124	
Heptachlor	0.000800	0.000525	66	37-120	
Heptachlor epoxide	0.000800	0.000545	68	44-120	
gamma-BHC (Lindane)	0.000800	0.000536	67	23-120	
Methoxychlor	0.000800	0.000466 J	58	36-120	

Column to be used to flag recovery and RPD values

FORM III 8081A

FORM II
PESTICIDES SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): CLP-1 (0.53 ID: 0.53(mm) GC Column (2): CLP-2 (0.53 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCBP1 #	DCBP2 #
DR-TP-A64-PRE-EX	240-69767-61	76	72	75	97
	MB 240-248893/6-A	46	55	68	83
	LCS 240-248893/7-A	68	75	79	104

	QC LIMITS
TCX = Tetrachloro-m-xylene	33-123
DCBP = DCB Decachlorobiphenyl	21-135

Column to be used to flag recovery values

FORM II 8081A

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: STD 240-246384/10 Date Analyzed: 09/12/2016 18:03

Instrument ID: A2HP3 GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): P3091210.D Heated Purge: (Y/N) N

Calibration ID: 35977

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		222168161	3.14				
UPPER LIMIT		444336322	3.64				
LOWER LIMIT		111084081	2.64				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-246384/14		230529765	3.14				
CCV 240-249394/6 CCVIS		267413913	3.01				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8081A

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: STD 240-246384/10 Date Analyzed: 09/12/2016 18:03

Instrument ID: A2HP3 GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): P3091210.D Heated Purge: (Y/N) N

Calibration ID: 35978

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		150287704	3.63				
UPPER LIMIT		300575408	4.13				
LOWER LIMIT		75143852	3.13				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 240-246384/14		155845103	3.62				
CCV 240-249394/6 CCVIS		172933992	3.50				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8081A

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: CCV 240-249394/6 Date Analyzed: 10/02/2016 18:23

Instrument ID: A2HP3 GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): P3100206.D Heated Purge: (Y/N) N

Calibration ID: 36246

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		267413913	3.01				
UPPER LIMIT		534827826	3.51				
LOWER LIMIT		133706957	2.51				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-249394/7		185604661	3.01				
CCV 240-249394/8		197827498	3.01				
240-69767-61	DR-TP-A64-PRE-EX	198084488	3.01				
MB 240-248893/6-A		216645892	3.01				
LCS 240-248893/7-A		207686557	3.01				

BNB = 1-Bromo-2-nitrobenzene
BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8081A

FORM VIII
PESTICIDES INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: CCV 240-249394/6 Date Analyzed: 10/02/2016 18:23

Instrument ID: A2HP3 GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): P3100206.D Heated Purge: (Y/N) N

Calibration ID: 36247

		BNB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		172933992	3.50				
UPPER LIMIT		345867984	4.00				
LOWER LIMIT		86466996	3.00				
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCV 240-249394/7		116903985	3.50				
CCV 240-249394/8		126415855	3.50				
240-69767-61	DR-TP-A64-PRE-EX	101614079	3.49				
MB 240-248893/6-A		114468977	3.50				
LCS 240-248893/7-A		111307526	3.50				

BNB = 1-Bromo-2-nitrobenzene
BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8081A

Method 8151A

Herbicides (GC) by Method 8151A

FORM VIII
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: STD3 240-247218/8 Date Analyzed: 09/16/2016 18:04

Instrument ID: A2HP1 GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): P1091608.D Heated Purge: (Y/N) N

Calibration ID: 36077

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPAA RT #		
INITIAL CALIBRATION SURROGATE				8.71		
UPPER LIMIT				8.73		
LOWER LIMIT				8.69		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
STD3 240-247218/8 ICRT		09/16/2016 18:04	P1091608.D	8.71		
ICV 240-247218/13		09/16/2016 20:04	P1091613.D	8.70		

DCPAA = 2,4-Dichlorophenylacetic acid

DCPAA RT Limit = ± 0.02 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8151A

FORM VIII
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: STD3 240-247218/8 Date Analyzed: 09/16/2016 18:04

Instrument ID: A2HP1 GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): P1091608.D Heated Purge: (Y/N) N

Calibration ID: 36078

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPAA RT #		
INITIAL CALIBRATION SURROGATE				9.62		
UPPER LIMIT				9.64		
LOWER LIMIT				9.60		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
STD3 240-247218/8 ICRT		09/16/2016 18:04	P1091608.D	9.62		
ICV 240-247218/13		09/16/2016 20:04	P1091613.D	9.62		

DCPAA = 2,4-Dichlorophenylacetic acid

DCPAA RT Limit = ± 0.02 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8151A

FORM VIII
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: CCV 240-249285/5 Date Analyzed: 09/30/2016 18:53

Instrument ID: A2HP1 GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): P1093005.D Heated Purge: (Y/N) N

Calibration ID: 36077

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPAA RT #		
CONTINUING CALIBRATION SURROGATE				8.69		
UPPER LIMIT				8.71		
LOWER LIMIT				8.67		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-249285/5 CCVRT		09/30/2016 18:53	P1093005.D	8.69		
MB 240-248894/6-A		09/30/2016 19:17	P1093006.D	8.68		
LCS 240-248894/7-A		09/30/2016 19:42	P1093007.D	8.68		
240-69767-61	DR-TP-A64-PRE-EX	09/30/2016 21:18	P1093011.D	8.68		
CCV 240-249285/13		09/30/2016 22:06	P1093013.D	8.69		

DCPAA = 2,4-Dichlorophenylacetic acid

DCPAA RT Limit = ± 0.02 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8151A

FORM VIII
HERBICIDES ANALYTICAL SEQUENCE

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Sample No.: CCV 240-249285/5 Date Analyzed: 09/30/2016 18:53

Instrument ID: A2HP1 GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

Lab File ID (Standard): P1093005.D Heated Purge: (Y/N) N

Calibration ID: 36078

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				DCPAA RT #		
CONTINUING CALIBRATION SURROGATE				9.60		
UPPER LIMIT				9.62		
LOWER LIMIT				9.58		
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCV 240-249285/5 CCVRT		09/30/2016 18:53	P1093005.D	9.60		
MB 240-248894/6-A		09/30/2016 19:17	P1093006.D	9.61		
LCS 240-248894/7-A		09/30/2016 19:42	P1093007.D	9.61		
240-69767-61	DR-TP-A64-PRE-EX	09/30/2016 21:18	P1093011.D	9.61		
CCV 240-249285/13		09/30/2016 22:06	P1093013.D	9.60		

DCPAA = 2,4-Dichlorophenylacetic acid

DCPAA RT Limit = ± 0.02 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8151A

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247218

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2016 17:15 Calibration End Date: 09/16/2016 19:40 Calibration ID: 36077

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-247218/6	P1091606.D
Level 2	STD2 240-247218/7	P1091607.D
Level 3	STD3 240-247218/8	P1091608.D
Level 4	STD4 240-247218/9	P1091609.D
Level 5	STD5 240-247218/10	P1091610.D
Level 6	STD6 240-247218/11	P1091611.D
Level 7	STD7 240-247218/12	P1091612.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Dalapon	1.211	1.212	1.216	1.208	1.208	1.209	1.209				1.198 - 1.234	1.210
Dicamba	8.900	8.898	8.903	8.888	8.889	8.889	8.886				8.885 - 8.921	8.893
MCPP	9.255	9.252	9.258	9.244	9.244	+++++	+++++				9.240 - 9.276	9.251
MCPA	9.447	9.445	9.449	9.435	9.437	+++++	+++++				9.431 - 9.467	9.443
Dichlorprop	9.871	9.869	9.873	9.860	9.861	9.859	9.855				9.855 - 9.891	9.864
2,4-D	10.133	10.132	10.136	10.121	10.122	10.120	10.116				10.118 - 10.154	10.126
Silvex (2,4,5-TP)	10.975	10.974	10.979	10.967	10.967	10.966	10.964				10.961 - 10.997	10.970
2,4,5-T	11.248	11.246	11.252	11.238	11.239	11.237	11.237				11.234 - 11.270	11.242
2,4-DB	11.751	11.750	11.756	11.741	11.741	11.741	11.740				11.738 - 11.774	11.746
Dinoseb	12.626	12.625	12.631	12.620	12.619	12.619	12.621				12.613 - 12.649	12.623
2,4-Dichlorophenylacetic acid	8.708	8.706	8.710	8.692	8.694	8.694	8.692				8.692 - 8.728	8.699

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247218

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2016 17:15 Calibration End Date: 09/16/2016 19:40 Calibration ID: 36077

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-247218/6	P1091606.D
Level 2	STD2 240-247218/7	P1091607.D
Level 3	STD3 240-247218/8	P1091608.D
Level 4	STD4 240-247218/9	P1091609.D
Level 5	STD5 240-247218/10	P1091610.D
Level 6	STD6 240-247218/11	P1091611.D
Level 7	STD7 240-247218/12	P1091612.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
Dalapon	265292300 217588510	244552800 214013285	234712800 205133303	223103000	Ave		229199428				9.0		20.0			
Dicamba	322962300 287649070	306793700 261943575	296176200 255196793	286548275	Ave		288181416				8.3		20.0			
MCPP	194882 235344	247302 +++++	253547 +++++	241986	Ave		234612.100				9.9		20.0			
MCPA	1001784 896404	921604 +++++	948646 +++++	913446	Ave		936376.800				4.4		20.0			
Dichlorprop	64966600 58762775	63029500 54399428	60737125 52517686	59822563	Ave		59176525.2				7.5		20.0			
2,4-D	59441600 63413850	58791375 60253290	60529588 59251308	61625319	Ave		60472332.7				2.7		20.0			
Silvex (2,4,5-TP)	326802000 355513600	327913900 345811530	331984050 343268910	347917950	Ave		339887420				3.3		20.0			
2,4,5-T	228745000 257310160	224173400 261254110	228929300 277433180	238800600	Ave		245235107				8.3		20.0			
2,4-DB	25713950 29714215	26180600 29865110	26450038 31337233	27735606	Ave		28142393.0				7.7		20.0			
Dinoseb	598571000 466530467	542261833 414290033	510933417 403132817	458562625	Ave		484897456				14.5		20.0			
2,4-Dichlorophenylacetic acid	70458600 61910840	67427175 56781398	64903813 55251706	62349213	Ave		62726106.3				8.7		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247218

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2016 17:15 Calibration End Date: 09/16/2016 19:40 Calibration ID: 36077

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-247218/6	P1091606.D
Level 2	STD2 240-247218/7	P1091607.D
Level 3	STD3 240-247218/8	P1091608.D
Level 4	STD4 240-247218/9	P1091609.D
Level 5	STD5 240-247218/10	P1091610.D
Level 6	STD6 240-247218/11	P1091611.D
Level 7	STD7 240-247218/12	P1091612.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dalapon	Ave	2652923 42802657	4891056 82053321	9388512	17848240	21758851	0.0100 0.200	0.0200 0.400	0.0400	0.0800	0.100
Dicamba	Ave	3229623 52388715	6135874 102078717	11847048	22923862	28764907	0.0100 0.200	0.0200 0.400	0.0400	0.0800	0.100
MCPP	Ave	389764 +++++	989207 +++++	2028379	3871774	4706870	2.00 +++++	4.00 +++++	8.00	16.0	20.0
MCPA	Ave	2003568 +++++	3686415 +++++	7589168	14615140	17928080	2.00 +++++	4.00 +++++	8.00	16.0	20.0
Dichlorprop	Ave	1299332 21759771	2521180 42014149	4858970	9571610	11752555	0.0200 0.400	0.0400 0.800	0.0800	0.160	0.200
2,4-D	Ave	1188832 24101316	2351655 47401046	4842367	9860051	12682770	0.0200 0.400	0.0400 0.800	0.0800	0.160	0.200
Silvex (2,4,5-TP)	Ave	1634010 34581153	3279139 68653782	6639681	13916718	17775680	0.00500 0.100	0.0100 0.200	0.0200	0.0400	0.0500
2,4,5-T	Ave	1143725 26125411	2241734 55486636	4578586	9552024	12865508	0.00500 0.100	0.0100 0.200	0.0200	0.0400	0.0500
2,4-DB	Ave	514279 11946044	1047224 25069786	2116003	4437697	5942843	0.0200 0.400	0.0400 0.800	0.0800	0.160	0.200
Dinoseb	Ave	1795713 24857402	3253571 48375938	6131201	11005503	13995914	0.00300 0.0600	0.00600 0.120	0.0120	0.0240	0.0300
2,4-Dichlorophenylacetic acid	Ave	1409172 22712559	2697087 44201365	5192305	9975874	12382168	0.0200 0.400	0.0400 0.800	0.0800	0.160	0.200

Curve Type Legend:
Ave = Average by Height

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247218

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2016 17:15 Calibration End Date: 09/16/2016 19:40 Calibration ID: 36078

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-247218/6	P1091606.D
Level 2	STD2 240-247218/7	P1091607.D
Level 3	STD3 240-247218/8	P1091608.D
Level 4	STD4 240-247218/9	P1091609.D
Level 5	STD5 240-247218/10	P1091610.D
Level 6	STD6 240-247218/11	P1091611.D
Level 7	STD7 240-247218/12	P1091612.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
Dalapon	1.415	1.415	1.419	1.411	1.412	1.411	1.411				1.401 - 1.437	1.413
Dicamba	9.802	9.800	9.807	9.793	9.793	9.793	9.792				9.789 - 9.825	9.797
MCPP	10.021	10.019	10.023	10.010	10.012	+++++	+++++				10.005 - 10.041	10.017
MCPA	10.293	10.292	10.297	10.284	10.285	+++++	+++++				10.279 - 10.315	10.290
Dichlorprop	10.656	10.655	10.659	10.647	10.648	10.646	10.645				10.641 - 10.677	10.651
2,4-D	10.986	10.985	10.990	10.980	10.980	10.978	10.978				10.972 - 11.008	10.982
Silvex (2,4,5-TP)	11.765	11.764	11.770	11.758	11.759	11.758	11.759				11.752 - 11.788	11.762
2,4,5-T	12.124	12.123	12.128	12.116	12.118	12.118	12.118				12.110 - 12.146	12.121
2,4-DB	12.581	12.581	12.587	12.574	12.575	12.574	12.576				12.569 - 12.605	12.578
Dinoseb	12.841	12.840	12.846	12.835	12.836	12.835	12.838				12.828 - 12.864	12.839
2,4-Dichlorophenylacetic acid	9.618	9.615	9.622	9.608	9.610	9.609	9.608				9.604 - 9.640	9.613

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247218

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2016 17:15 Calibration End Date: 09/16/2016 19:40 Calibration ID: 36078

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-247218/6	P1091606.D
Level 2	STD2 240-247218/7	P1091607.D
Level 3	STD3 240-247218/8	P1091608.D
Level 4	STD4 240-247218/9	P1091609.D
Level 5	STD5 240-247218/10	P1091610.D
Level 6	STD6 240-247218/11	P1091611.D
Level 7	STD7 240-247218/12	P1091612.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
Dalapon	116990700 102530790	109423150 101536290	106239850 101568240	103441263	Ave		105961469				5.3		20.0			
Dicamba	190508800 190386970	188807250 183383495	187562675 181014213	189381888	Ave		187292184				2.0		20.0			
MCPP	108212 146897	146609 +++++	152780 +++++	150914	Ave		141082.210				13.2		20.0			
MCPA	543952 544375	588369 +++++	611800 +++++	544747	Ave		566648.440				5.6		20.0			
Dichlorprop	35711600 38087340	36405800 36256898	37303638 37406108	37680375	Ave		36978822.5				2.3		20.0			
2,4-D	33492650 40082655	34227625 40461143	36759075 41660944	38398050	Ave		37868877.3				8.3		20.0			
Silvex (2,4,5-TP)	164174400 208412340	167743400 215977020	183852050 228032070	198163175	Ave		195193494				12.4		20.0			
2,4,5-T	120285200 149667000	115980900 159502090	126570900 179645550	136660300	Ave		141187420				16.3		20.0			
2,4-DB	12627700 15495810	13082500 16655973	13737400 19114221	13659169	Ave		14910396.1				15.6		20.0			
Dinoseb	272809667 244572967	256558167 232210883	250692250 236117517	233179458	Ave		246591558				6.0		20.0			
2,4-Dichlorophenylacetic acid	41372100 40223390	40843625 39048080	40847500 39783611	40257200	Ave		40339358.0				1.9		20.0			

Note: The m1 coefficient is the same as Ave CF for an Ave curve type.

FORM VI
HERBICIDES BY EXTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 247218

SDG No.:

Instrument ID: A2HP1 GC Column: CLP-2 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/16/2016 17:15 Calibration End Date: 09/16/2016 19:40 Calibration ID: 36078

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 240-247218/6	P1091606.D
Level 2	STD2 240-247218/7	P1091607.D
Level 3	STD3 240-247218/8	P1091608.D
Level 4	STD4 240-247218/9	P1091609.D
Level 5	STD5 240-247218/10	P1091610.D
Level 6	STD6 240-247218/11	P1091611.D
Level 7	STD7 240-247218/12	P1091612.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/UL)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dalapon	Ave	1169907 20307258	2188463 40627296	4249594	8275301	10253079	0.0100 0.200	0.0200 0.400	0.0400	0.0800	0.100
Dicamba	Ave	1905088 36676699	3776145 72405685	7502507	15150551	19038697	0.0100 0.200	0.0200 0.400	0.0400	0.0800	0.100
MCPP	Ave	216424 +++++	586437 +++++	1222238	2414616	2937931	2.00 +++++	4.00 +++++	8.00	16.0	20.0
MCPA	Ave	1087903 +++++	2353474 +++++	4894397	8715958	10887504	2.00 +++++	4.00 +++++	8.00	16.0	20.0
Dichlorprop	Ave	714232 14502759	1456232 29924886	2984291	6028860	7617468	0.0200 0.400	0.0400 0.800	0.0800	0.160	0.200
2,4-D	Ave	669853 16184457	1369105 33328755	2940726	6143688	8016531	0.0200 0.400	0.0400 0.800	0.0800	0.160	0.200
Silvex (2,4,5-TP)	Ave	820872 21597702	1677434 45606414	3677041	7926527	10420617	0.00500 0.100	0.0100 0.200	0.0200	0.0400	0.0500
2,4,5-T	Ave	601426 15950209	1159809 35929110	2531418	5466412	7483350	0.00500 0.100	0.0100 0.200	0.0200	0.0400	0.0500
2,4-DB	Ave	252554 6662389	523300 15291377	1098992	2185467	3099162	0.0200 0.400	0.0400 0.800	0.0800	0.160	0.200
Dinoseb	Ave	818429 13932653	1539349 28334102	3008307	5596307	7337189	0.00300 0.0600	0.00600 0.120	0.0120	0.0240	0.0300
2,4-Dichlorophenylacetic acid	Ave	827442 15619232	1633745 31826889	3267800	6441152	8044678	0.0200 0.400	0.0400 0.800	0.0800	0.160	0.200

Curve Type Legend:
Ave = Average by Height

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247218/13 Calibration Date: 09/16/2016 20:04

Instrument ID: A2HP1 Calib Start Date: 09/16/2016 17:15

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/16/2016 19:40

Lab File ID: P1091613.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	229199428	204440600		0.0357	0.0400	-10.8	20.0
Dicamba	Ave	288181416	287526575		0.0399	0.0400	-0.2	20.0
MCPP	Ave	234612	237365		8.10	8.00	1.2	20.0
MCPA	Ave	936377	881288		7.53	8.00	-5.9	20.0
Dichlorprop	Ave	59176525	60778950		0.0822	0.0800	2.7	20.0
2,4-D	Ave	60472333	53935488		0.0714	0.0800	-10.8	20.0
Silvex (2,4,5-TP)	Ave	339887420	318538550		0.0187	0.0200	-6.3	20.0
2,4,5-T	Ave	245235107	208845400		0.0170	0.0200	-14.8	20.0
2,4-DB	Ave	28142393	25987800		0.0739	0.0800	-7.7	20.0
Dinoseb	Ave	484897456	504511167		0.0125	0.0120	4.0	20.0
2,4-Dichlorophenylacetic acid	Ave	62726106	61696675		0.0787	0.0800	-1.6	20.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247218/13 Calibration Date: 09/16/2016 20:04

Instrument ID: A2HP1 Calib Start Date: 09/16/2016 17:15

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/16/2016 19:40

Lab File ID: P1091613.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.21	1.20	1.23
Dicamba	8.90	8.89	8.92
MCPP	9.25	9.24	9.28
MCPA	9.45	9.43	9.47
Dichlorprop	9.87	9.86	9.89
2,4-D	10.13	10.12	10.15
Silvex (2,4,5-TP)	10.97	10.96	11.00
2,4,5-T	11.24	11.23	11.27
2,4-DB	11.75	11.74	11.77
Dinoseb	12.63	12.61	12.65
2,4-Dichlorophenylacetic acid	8.70	8.69	8.73

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247218/13 Calibration Date: 09/16/2016 20:04

Instrument ID: A2HP1 Calib Start Date: 09/16/2016 17:15

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/16/2016 19:40

Lab File ID: P1091613.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	105961469	94341825		0.0356	0.0400	-11.0	20.0
Dicamba	Ave	187292184	186627650		0.0399	0.0400	-0.4	20.0
MCPP	Ave	141082	144059		8.17	8.00	2.1	20.0
MCPA	Ave	566648	542481		7.66	8.00	-4.3	20.0
Dichlorprop	Ave	36978823	39064838		0.0845	0.0800	5.6	20.0
2,4-D	Ave	37868877	36156213		0.0764	0.0800	-4.5	20.0
Silvex (2,4,5-TP)	Ave	195193494	180891000		0.0185	0.0200	-7.3	20.0
2,4,5-T	Ave	141187420	119508750		0.0169	0.0200	-15.4	20.0
2,4-DB	Ave	14910396	13925888		0.0747	0.0800	-6.6	20.0
Dinoseb	Ave	246591558	234722750		0.0114	0.0120	-4.8	20.0
2,4-Dichlorophenylacetic acid	Ave	40339358	40410663		0.0801	0.0800	0.2	20.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICV 240-247218/13 Calibration Date: 09/16/2016 20:04

Instrument ID: A2HP1 Calib Start Date: 09/16/2016 17:15

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/16/2016 19:40

Lab File ID: P1091613.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.42	1.40	1.44
Dicamba	9.80	9.79	9.83
MCPP	10.02	10.01	10.04
MCPA	10.29	10.28	10.32
Dichlorprop	10.65	10.64	10.68
2,4-D	10.99	10.97	11.01
Silvex (2,4,5-TP)	11.76	11.75	11.79
2,4,5-T	12.12	12.11	12.15
2,4-DB	12.58	12.57	12.61
Dinoseb	12.84	12.83	12.86
2,4-Dichlorophenylacetic acid	9.62	9.60	9.64

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249285/5 Calibration Date: 09/30/2016 18:53

Instrument ID: A2HP1 Calib Start Date: 09/16/2016 17:15

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/16/2016 19:40

Lab File ID: P1093005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	229199428	225014200		0.0393	0.0400	-1.8	20.0
Dicamba	Ave	288181416	264476925		0.0367	0.0400	-8.2	20.0
MCPP	Ave	234612	248398		8.47	8.00	5.9	20.0
MCPA	Ave	936377	1021876		8.73	8.00	9.1	20.0
Dichlorprop	Ave	59176525	58364388		0.0789	0.0800	-1.4	20.0
2,4-D	Ave	60472333	59644500		0.0789	0.0800	-1.4	20.0
Silvex (2,4,5-TP)	Ave	339887420	343022300		0.0202	0.0200	0.9	20.0
2,4,5-T	Ave	245235107	245100100		0.0200	0.0200	-0.0	20.0
2,4-DB	Ave	28142393	25360675		0.0721	0.0800	-9.9	20.0
Dinoseb	Ave	484897456	469417250		0.0116	0.0120	-3.2	20.0
2,4-Dichlorophenylacetic acid	Ave	62726106	56300150		0.0718	0.0800	-10.2	20.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249285/5 Calibration Date: 09/30/2016 18:53

Instrument ID: A2HP1 Calib Start Date: 09/16/2016 17:15

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/16/2016 19:40

Lab File ID: P1093005.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.20	1.19	1.22
Dicamba	8.88	8.86	8.90
MCPP	9.24	9.22	9.26
MCPA	9.43	9.41	9.45
Dichlorprop	9.85	9.84	9.87
2,4-D	10.12	10.10	10.14
Silvex (2,4,5-TP)	10.96	10.94	10.98
2,4,5-T	11.23	11.21	11.25
2,4-DB	11.74	11.72	11.76
Dinoseb	12.61	12.59	12.63
2,4-Dichlorophenylacetic acid	8.69	8.67	8.71

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249285/5 Calibration Date: 09/30/2016 18:53

Instrument ID: A2HP1 Calib Start Date: 09/16/2016 17:15

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/16/2016 19:40

Lab File ID: P1093005.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	105961469	107329400		0.0405	0.0400	1.3	20.0
Dicamba	Ave	187292184	178408575		0.0381	0.0400	-4.7	20.0
MCPP	Ave	141082	164144		9.31	8.00	16.3	20.0
MCPA	Ave	566648	644264		9.10	8.00	13.7	20.0
Dichlorprop	Ave	36978823	37848313		0.0819	0.0800	2.4	20.0
2,4-D	Ave	37868877	40248050		0.0850	0.0800	6.3	20.0
Silvex (2,4,5-TP)	Ave	195193494	203823450		0.0209	0.0200	4.4	20.0
2,4,5-T	Ave	141187420	156829300		0.0222	0.0200	11.1	20.0
2,4-DB	Ave	14910396	15492813		0.0831	0.0800	3.9	20.0
Dinoseb	Ave	246591558	221077917		0.0108	0.0120	-10.3	20.0
2,4-Dichlorophenylacetic acid	Ave	40339358	38523713		0.0764	0.0800	-4.5	20.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249285/5 Calibration Date: 09/30/2016 18:53

Instrument ID: A2HP1 Calib Start Date: 09/16/2016 17:15

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/16/2016 19:40

Lab File ID: P1093005.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.41	1.39	1.42
Dicamba	9.79	9.77	9.80
MCPP	10.01	9.99	10.03
MCPA	10.28	10.26	10.30
Dichlorprop	10.64	10.62	10.66
2,4-D	10.97	10.96	10.99
Silvex (2,4,5-TP)	11.75	11.73	11.77
2,4,5-T	12.11	12.09	12.13
2,4-DB	12.57	12.55	12.59
Dinoseb	12.83	12.81	12.85
2,4-Dichlorophenylacetic acid	9.60	9.58	9.62

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249285/13 Calibration Date: 09/30/2016 22:06

Instrument ID: A2HP1 Calib Start Date: 09/16/2016 17:15

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/16/2016 19:40

Lab File ID: P1093013.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	229199428	235532575		0.0411	0.0400	2.8	20.0
Dicamba	Ave	288181416	279500550		0.0388	0.0400	-3.0	20.0
MCPP	Ave	234612	249294		8.50	8.00	6.3	20.0
MCPA	Ave	936377	916253		7.83	8.00	-2.1	20.0
Dichlorprop	Ave	59176525	63091525		0.0853	0.0800	6.6	20.0
2,4-D	Ave	60472333	71093913		0.0941	0.0800	17.6	20.0
Silvex (2,4,5-TP)	Ave	339887420	396361800		0.0233	0.0200	16.6	20.0
2,4,5-T	Ave	245235107	317593450		0.0259	0.0200	29.5*	20.0
2,4-DB	Ave	28142393	32015438		0.0910	0.0800	13.8	20.0
Dinoseb	Ave	484897456	620099667		0.0153	0.0120	27.9*	20.0
2,4-Dichlorophenylacetic acid	Ave	62726106	63611025		0.0811	0.0800	1.4	20.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249285/13 Calibration Date: 09/30/2016 22:06

Instrument ID: A2HP1 Calib Start Date: 09/16/2016 17:15

GC Column: CLP-1 (0.53mm) ID: 0.53(mm) Calib End Date: 09/16/2016 19:40

Lab File ID: P1093013.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.20	1.19	1.22
Dicamba	8.88	8.86	8.90
MCPP	9.24	9.22	9.26
MCPA	9.43	9.41	9.45
Dichlorprop	9.85	9.84	9.87
2,4-D	10.11	10.10	10.13
Silvex (2,4,5-TP)	10.96	10.94	10.98
2,4,5-T	11.23	11.21	11.25
2,4-DB	11.73	11.72	11.75
Dinoseb	12.61	12.59	12.63
2,4-Dichlorophenylacetic acid	8.69	8.67	8.71

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249285/13 Calibration Date: 09/30/2016 22:06

Instrument ID: A2HP1 Calib Start Date: 09/16/2016 17:15

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/16/2016 19:40

Lab File ID: P1093013.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Ave	105961469	131277050		0.0496	0.0400	23.9*	20.0
Dicamba	Ave	187292184	217074375		0.0464	0.0400	15.9	20.0
MCPP	Ave	141082	170671		9.68	8.00	21.0*	20.0
MCPA	Ave	566648	593525		8.38	8.00	4.7	20.0
Dichlorprop	Ave	36978823	49556325		0.107	0.0800	34.0*	20.0
2,4-D	Ave	37868877	57587588		0.122	0.0800	52.1*	20.0
Silvex (2,4,5-TP)	Ave	195193494	304065000		0.0312	0.0200	55.8*	20.0
2,4,5-T	Ave	141187420	248348600		0.0352	0.0200	75.9*	20.0
2,4-DB	Ave	14910396	23247563		0.125	0.0800	55.9*	20.0
Dinoseb	Ave	246591558	409497667		0.0199	0.0120	66.1*	20.0
2,4-Dichlorophenylacetic acid	Ave	40339358	52116425		0.103	0.0800	29.2*	20.0

FORM VII
HERBICIDES CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: CCV 240-249285/13 Calibration Date: 09/30/2016 22:06

Instrument ID: A2HP1 Calib Start Date: 09/16/2016 17:15

GC Column: CLP-2 (0.53mm) ID: 0.53(mm) Calib End Date: 09/16/2016 19:40

Lab File ID: P1093013.D

Analyte	RT	RT WINDOW	
		FROM	TO
Dalapon	1.41	1.39	1.42
Dicamba	9.79	9.77	9.80
MCPP	10.01	9.99	10.02
MCPA	10.28	10.26	10.30
Dichlorprop	10.64	10.62	10.66
2,4-D	10.97	10.95	10.99
Silvex (2,4,5-TP)	11.75	11.73	11.77
2,4,5-T	12.11	12.09	12.13
2,4-DB	12.57	12.55	12.59
Dinoseb	12.83	12.81	12.85
2,4-Dichlorophenylacetic acid	9.60	9.58	9.62

FORM IV
HERBICIDES METHOD BLANK SUMMARY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: MB 240-248894/6-A

Matrix: Water Date Extracted: 09/28/2016 13:56

Lab File ID:(1) P1093006.D Lab File ID:(2) P1093006.D

Date Analyzed:(1) 09/30/2016 19:17 Date Analyzed:(2) 09/30/2016 19:17

Instrument ID:(1) A2HP1 Instrument ID:(2) A2HP1

GC Column:(1) CLP-1 (0.53m ID: 0.53(mm) GC Column:(2) CLP-2 (0.53m ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 240-248894/7-A	09/30/2016 19:42	09/30/2016 19:42
DR-TP-A64-PRE-EX	240-69767-61	09/30/2016 21:18	09/30/2016 21:18

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-248894/6-A

Matrix: Solid | Lab File ID: P1093006.D

Analysis Method: 8151A | Date Collected:

Extraction Method: 8151A | Date Extracted: 09/28/2016 13:56

Sample wt/vol: 100(mL) | Date Analyzed: 09/30/2016 19:17

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 249285 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
94-75-7	2,4-D	0.0019	U	0.0040	0.0019
93-72-1	Silvex (2,4,5-TP)	0.00027	U	0.0010	0.00027

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	55		41-130

FORM I
HERBICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 240-248894/6-A

Matrix: Solid | Lab File ID: P1093006.D

Analysis Method: 8151A | Date Collected:

Extraction Method: 8151A | Date Extracted: 09/28/2016 13:56

Sample wt/vol: 100(mL) | Date Analyzed: 09/30/2016 19:17

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 249285 | Units: mg/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
19719-28-9	2,4-Dichlorophenylacetic acid	73		41-130

FORM III
HERBICIDES LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P1093007.D

Lab ID: LCS 240-248894/7-A Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
2,4-D	0.0200	0.0113	57	42-120	p
Silvex (2,4,5-TP)	0.00500	0.00276	55	41-120	

Column to be used to flag recovery and RPD values

FORM III 8151A

FORM II
HERBICIDES SURROGATE RECOVERY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid (TCLP) Level: Low

GC Column (1): CLP-1 (0.53 ID: 0.53(mm) GC Column (2): CLP-2 (0.53 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	DCPAA1 #	DCPAA2 #
DR-TP-A64-PRE-EX	240-69767-61	55	75
	MB 240-248894/6-A	55	73
	LCS 240-248894/7-A	52	76

	QC LIMITS
DCPAA = 2,4-Dichlorophenylacetic acid	41-130

Column to be used to flag recovery values

FORM II 8151A

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Canton Job Number: 240-69767-1

SDG No.:

Project: MSA Dump Road PCB Investigation

Client Sample ID	Lab Sample ID
DR-TP-A64-PRE-EX	240-69767-61

Comments:

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

ICV Source: MT6500ICV_00032 Concentration Units: ug/L

CCV Source: MTICPCCV_00079

Analyte	ICV 240-249055/4 09/29/2016 09:53				CCV 240-249055/59 09/29/2016 13:59				CCV 240-249055/71 09/29/2016 15:33			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	392		375	105	498		500	100	513		500	103
Barium	1480		1500	99	1960		2000	98	2000		2000	100
Cadmium	382		375	102	492		500	98	505		500	101
Chromium	1470		1500	98	1960		2000	98	1990		2000	99
Lead	377		375	100	477		500	95	491		500	98
Selenium	387		375	103	499		500	100	511		500	102
Silver	747		750	100	999		1000	100	1010		1000	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

ICV Source: MTHgICV_00001_00075 Concentration Units: ug/L

CCV Source: MTHGCALW_01322

Analyte	ICV 240-248755/7-A 09/29/2016 06:41				CCV 240-248755/10-A 09/29/2016 09:21				CCV 240-248755/10-A 09/29/2016 09:37			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.98		5.00	100	5.02		5.00	100	5.06		5.00	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Method: 6010C Instrument ID: I9

Lab Sample ID: CRI 240-249055/6 Concentration Units: ug/L

CRQL Check Standard Source: MTTRCRIC_00040

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	15.0	14.9		99	70-130
Barium	200	198	J	99	70-130
Cadmium	5.00	5.24		105	70-130
Chromium	10.0	9.85		98	70-130
Lead	10.0	9.69		97	70-130
Selenium	20.0	18.9		95	70-130
Silver	10.0	10.8		108	70-130

Lab Sample ID: CRI 240-249055/100 Concentration Units: ug/L

CRQL Check Standard Source: MTTRCRIC_00040

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	15.0	14.9		99	70-130
Barium	200	198	J	99	70-130
Cadmium	5.00	5.11		102	70-130
Chromium	10.0	9.81		98	70-130
Lead	10.0	8.73		87	70-130
Selenium	20.0	17.4		87	70-130
Silver	10.0	9.40		94	70-130

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Method: 7470A Instrument ID: H2

Lab Sample ID: CRA 240-248755/9-A Concentration Units: ug/L

CRQL Check Standard Source: MTHGCALW_01322

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.162	J	81	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-249055/5 09/29/2016 09:57		CCB 240-249055/60 09/29/2016 14:03		CCB 240-249055/72 09/29/2016 15:37			
		Found	C	Found	C	Found	C	Found	C
Arsenic	10	3.3	U	3.3	U	3.3	U		
Barium	200	2.4	U	2.4	U	2.4	U		
Cadmium	2.0	0.29	U	0.29	U	0.29	U		
Chromium	5.0	0.55	U	0.55	U	0.55	U		
Lead	5.0	1.9	U	1.9	U	1.9	U		
Selenium	15	5.1	U	5.1	U	5.1	U		
Silver	5.0	0.92	U	0.92	U	0.92	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 240-248755/8-A 09/29/2016 06:43		CCB 240-248755/11-A 09/29/2016 09:23		CCB 240-248755/11-A 09/29/2016 09:39			
		Found	C	Found	C	Found	C	Found	C
Mercury	2.0	0.090	U	0.090	U	0.090	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: MB 240-248831/2-A

Instrument Code: I9 Batch No.: 249055

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	0.0033	U		6010C
7440-39-3	Barium	0.0024	U		6010C
7440-43-9	Cadmium	0.00029	U		6010C
7440-47-3	Chromium	0.00055	U		6010C
7439-92-1	Lead	0.0019	U		6010C
7782-49-2	Selenium	0.0051	U		6010C
7440-22-4	Silver	0.00092	U		6010C

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: LB 240-248715/1-B

Instrument Code: I9 Batch No.: 249055

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	0.0033	U		6010C
7440-39-3	Barium	0.0024	U		6010C
7440-43-9	Cadmium	0.00029	U		6010C
7440-47-3	Chromium	0.000714	J		6010C
7439-92-1	Lead	0.0019	U		6010C
7782-49-2	Selenium	0.0051	U		6010C
7440-22-4	Silver	0.00092	U		6010C

FORM III-IN

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: MB 240-248835/2-A

Instrument Code: H2 Batch No.: 249045

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.000090	U		7470A

FORM III-IN

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Concentration Units: mg/L Lab Sample ID: LB 240-248715/1-C

Instrument Code: H2 Batch No.: 249045

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.000090	U		7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICSA 240-249055/8 Instrument ID: I9

Lab File ID: I9092916A.asc ICS Source: MTTRICSAW_00031

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**0.547**	
Barium		**0.0414**	
Cadmium		**0.394**	
Chromium		**3.54**	
Lead		**4.35**	
Selenium		**-1.14**	
Silver		**-0.799**	
Aluminum	*500000*	*510260*	*102*
Antimony		*0.179*	
Beryllium		*-0.170*	
Boron		*-9.06*	
Calcium	*500000*	*479960*	*96*
Cobalt		*-0.852*	
Copper		*-0.136*	
Iron	*200000*	*192730*	*96*
Lithium		*7.33*	
Magnesium	*500000*	*507100*	*101*
Manganese		*1.63*	
Molybdenum		*-4.08*	
Nickel		*4.03*	
Potassium		*141*	
Silicon		*9.22*	
Sodium		*95.2*	
Strontium		*4.42*	
Thallium		*2.69*	
Tin		*0.396*	
Titanium		*-1.76*	
Vanadium		*1.03*	
Zinc		*4.78*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Lab Sample ID: ICSAB 240-249055/9 Instrument ID: I9

Lab File ID: I9092916A.asc ICS Source: MTICPICSABW_00011

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Arsenic	**1000**	**1042**	**104**
Barium	**500**	**499**	**100**
Cadmium	**1000**	**1033**	**103**
Chromium	**500**	**491**	**98**
Lead	**1000**	**910**	**91**
Selenium	**1000**	**1012**	**101**
Silver	**1000**	**1086**	**109**
Aluminum	*500000*	*506190*	*101*
Antimony	*1000*	*1020*	*102*
Beryllium	*500*	*484*	*97*
Boron	*500*	*493*	*99*
Calcium	*500000*	*489050*	*98*
Cobalt	*500*	*503*	*101*
Copper	*500*	*526*	*105*
Iron	*200000*	*192880*	*96*
Lithium	*500*	*533*	*107*
Magnesium	*500000*	*503090*	*101*
Manganese	*500*	*501*	*100*
Molybdenum	*1000*	*942*	*94*
Nickel	*1000*	*961*	*96*
Potassium	*10000*	*10442*	*104*
Silicon	*10000*	*9930*	*99*
Sodium	*10000*	*10436*	*104*
Strontium	*1500*	*1464*	*98*
Thallium	*1000*	*964*	*96*
Tin	*500*	*512*	*102*
Titanium	*500*	*510*	*102*
Vanadium	*500*	*484*	*97*
Zinc	*1000*	*1031*	*103*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TCLP

Client ID: DR-TP-A64-PRE-EX MS Lab ID: 240-69767-61 MS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid Concentration Units: mg/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	5.36		0.011	J	5.00	107	75-125		6010C
Barium	50.2		0.66		50.0	99	75-125		6010C
Cadmium	1.08		0.045	J	1.00	103	75-125		6010C
Chromium	5.08		0.018	J	5.00	101	75-125		6010C
Lead	5.17		0.21		5.00	99	75-125		6010C
Selenium	1.06		0.0051	U	1.00	106	75-125		6010C
Silver	1.02		0.00092	U	1.00	102	75-125		6010C
Mercury	0.00520		0.000090	U	0.00500	104	80-120		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - TCLP

Client ID: DR-TP-A64-PRE-EX MSD
Lab ID: 240-69767-61 MSD
Lab Name: TestAmerica Canton
Job No.: 240-69767-1
SDG No.:
Matrix: Solid
Concentration Units: mg/L
% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	5.16		5.00	103	75-125	4	20		6010C
Barium	47.7		50.0	94	75-125	5	20		6010C
Cadmium	1.03		1.00	99	75-125	4	20		6010C
Chromium	4.88		5.00	97	75-125	4	20		6010C
Lead	4.93		5.00	94	75-125	5	20		6010C
Selenium	1.01		1.00	101	75-125	4	20		6010C
Silver	0.981		1.00	98	75-125	4	20		6010C
Mercury	0.00529		0.00500	106	80-120	2	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-248831/3-A

Lab Name: TestAmerica Canton Job No.: 240-69767-1

Sample Matrix: Water LCS Source: MTICP1_00055

Analyte	Water(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	2.00	2.17		108	50	150		6010C
Barium	2.00	1.95		97	50	150		6010C
Cadmium	0.0500	0.0512		102	50	150		6010C
Chromium	0.200	0.200		100	50	150		6010C
Lead	0.500	0.456		91	50	150		6010C
Selenium	2.00	2.18		109	50	150		6010C
Silver	0.0500	0.0529		106	50	150		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 240-248835/3-A

Lab Name: TestAmerica Canton Job No.: 240-69767-1

Sample Matrix: Water LCS Source: MTHGCALW_01322

Analyte	Water(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.00500	0.00489		98	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TCLP

Lab ID: 240-69767-61

SDG No:

Lab Name: TestAmerica Canton Job No: 240-69767-1

Matrix: Solid Concentration Units: mg/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	0.011	J	0.017	U	NC		6010C
Barium	0.66		0.668	J	1.9		6010C
Cadmium	0.045	J	0.0439	J	2.3		6010C
Chromium	0.018	J	0.0181	J	NC		6010C
Lead	0.21		0.213	J	0.89		6010C
Selenium	0.0051	U	0.026	U	NC		6010C
Silver	0.00092	U	0.0046	U	NC		6010C

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Canton Job Number: 240-69767-1

SDG Number:

Matrix: Solid Instrument ID: I9

Method: 6010C MDL Date: 05/09/2016 09:01

Prep Method: 3010A

Leach Method: 1311

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Arsenic	189.042	0.05	0.0033
Barium	493.409	0.5	0.0024
Cadmium	226.502	0.05	0.00029
Chromium	267.716	0.05	0.00055
Lead	220.353	0.05	0.0019
Selenium	196.026	0.05	0.0051
Silver	328.068	0.05	0.00092

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Canton Job Number: 240-69767-1

SDG Number:

Matrix: Solid Instrument ID: I9

Method: 6010C XMDL Date: 05/09/2016 09:02

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (mg/L)
Arsenic	189.042	10	0.0033
Barium	493.409	200	0.0024
Cadmium	226.502	2	0.00029
Chromium	267.716	5	0.00055
Lead	220.353	5	0.0019
Selenium	196.026	15	0.0051
Silver	328.068	5	0.00092

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Canton Job Number: 240-69767-1

SDG Number:

Matrix: Solid Instrument ID: H2

Method: 7470A MDL Date: 09/17/2014 14:10

Prep Method: 7470A

Leach Method: 1311

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Mercury	253.7	0.002	0.00009

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Canton Job Number: 240-69767-1

SDG Number:

Matrix: Solid Instrument ID: H2

Method: 7470A XMDL Date: 09/17/2014 14:11

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (mg/L)
Mercury	253.7	2	0.00009

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Canton Job Number: 240-69767-1

SDG No.:

ICP-AES Instrument ID: I9 Date: 08/17/2016

Analyte	Wave Length	Al	As	Ca	Co	Cr	Cu	Fe	Mn	Mo	Ni	Si	Ti	Tl	V
Aluminum										0.007305					0.060500
Antimony		-0.000085			0.000076			-0.000034							0.002703
Arsenic		0.000042			-0.000108	0.000538			-0.000355	0.001291					
Barium															
Beryllium															0.0000105
Boron															
Cadmium			0.007382					0.000000							
Calcium															
Chromium															
Cobalt													0.001997		
Copper				0.000018	0.000453			-0.000030							
Iron													-0.000463		
Lead		-0.000110					0.000101	0.000045			0.000199	0.000064			
Lithium															
Magnesium															
Manganese															
Molybdenum															
Nickel					0.000799			0.000056							
Potassium															
Selenium		-0.000016							0.000643						
Silver															
Sodium															
Strontium															
Thallium		0.000010			0.003996			0.000007	0.001101						-0.000501
Tin															
Titanium															
Vanadium								0.000045							
Zinc						-0.000286									

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Canton Job No: 240-69767-1

SDG No.:

Instrument ID: I9 Date: 08/22/2016 11:36

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic		5000	6010C
Barium		20000	6010C
Cadmium		2000	6010C
Chromium		20000	6010C
Lead		15000	6010C
Selenium		10000	6010C
Silver		2000	6010C

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LB 240-248715/1-B	09/28/2016 14:00	248831		50	50
MB 240-248831/2-A	09/28/2016 14:00	248831		50	50
LCS 240-248831/3-A	09/28/2016 14:00	248831		50	50
240-69767-61	09/28/2016 14:00	248831		50	50
240-69767-61 MS	09/28/2016 14:00	248831		50	50
240-69767-61 MSD	09/28/2016 14:00	248831		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LB 240-248715/1-C	09/28/2016 14:00	248835		50	50
MB 240-248835/2-A	09/28/2016 14:00	248835		50	50
LCS 240-248835/3-A	09/28/2016 14:00	248835		50	50
240-69767-61	09/28/2016 14:00	248835		50	50
240-69767-61 MS	09/28/2016 14:00	248835		50	50
240-69767-61 MSD	09/28/2016 14:00	248835		50	50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 09/29/2016 09:40 End Date: 09/30/2016 02:27

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Ba	Cd	Cr	Pb	Se																		
ICIS 240-249055/1	1		09:40	X	X	X	X	X	X	X																		
CALSTD 240-249055/2 IC			09:44	X	X	X	X	X	X	X																		
CALSTD 240-249055/3 IC			09:48	X	X	X	X	X	X	X																		
ICV 240-249055/4	1		09:53	X	X	X	X	X	X	X																		
ICB 240-249055/5	1		09:57	X	X	X	X	X	X	X																		
CRI 240-249055/6	1		10:01	X	X	X	X	X	X	X																		
ZZZZZZ			10:05																									
ICSA 240-249055/8	1		10:10	X	X	X	X	X	X	X																		
ICSAB 240-249055/9	1		10:14	X	X	X	X	X	X	X																		
CCV 240-249055/10			10:18																									
CCB 240-249055/11			10:22																									
ZZZZZZ			10:26																									
ZZZZZZ			10:30																									
ZZZZZZ			10:35																									
ZZZZZZ			10:39																									
ZZZZZZ			10:43																									
ZZZZZZ			10:48																									
CCV 240-249055/18			10:52																									
CCB 240-249055/19			10:56																									
ZZZZZZ			11:00																									
ZZZZZZ			11:05																									
ZZZZZZ			11:09																									
ZZZZZZ			11:13																									
ZZZZZZ			11:18																									
ZZZZZZ			11:22																									
ZZZZZZ			11:26																									
ZZZZZZ			11:31																									
ZZZZZZ			11:35																									
ZZZZZZ			11:39																									
CCV 240-249055/30			11:43																									
CCB 240-249055/31			11:47																									
ZZZZZZ			11:52																									
ZZZZZZ			11:56																									
ZZZZZZ			12:00																									
CRI 240-249055/35			12:04																									
ZZZZZZ			12:09																									
ZZZZZZ			12:13																									
ZZZZZZ			12:17																									
CCV 240-249055/39			12:21																									
CCB 240-249055/40			12:25																									
ZZZZZZ			12:41																									
ZZZZZZ			12:46																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 09/29/2016 09:40 End Date: 09/30/2016 02:27

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Ba	Cd	Cr	Pb	Se																		
ZZZZZZ			12:50																									
ZZZZZZ			12:54																									
ZZZZZZ			12:58																									
ZZZZZZ			13:02																									
ZZZZZZ			13:06																									
ZZZZZZ			13:10																									
ZZZZZZ			13:15																									
ZZZZZZ			13:19																									
CCV 240-249055/51			13:24																									
CCB 240-249055/52			13:28																									
ZZZZZZ			13:32																									
ZZZZZZ			13:37																									
ZZZZZZ			13:41																									
ZZZZZZ			13:46																									
ZZZZZZ			13:50																									
ZZZZZZ			13:55																									
CCV 240-249055/59	1		13:59	X	X	X	X	X	X	X																		
CCB 240-249055/60	1		14:03	X	X	X	X	X	X	X																		
ZZZZZZ			14:50																									
LB 240-248715/1-B	1	P	14:54	X	X	X	X	X	X	X																		
MB 240-248831/2-A	1	T	14:59	X	X	X	X	X	X	X																		
LCS 240-248831/3-A	1	T	15:03	X	X	X	X	X	X	X																		
240-69767-61	1	P	15:07	X	X	X	X	X	X	X																		
240-69767-61 SD	5	P	15:11	X	X	X	X	X	X	X																		
240-69767-61 MS	5	P	15:16	X	X	X	X	X	X	X																		
240-69767-61 MSD	5	P	15:20	X	X	X	X	X	X	X																		
ZZZZZZ			15:25																									
ZZZZZZ			15:29																									
CCV 240-249055/71	1		15:33	X	X	X	X	X	X	X																		
CCB 240-249055/72	1		15:37	X	X	X	X	X	X	X																		
ZZZZZZ			15:41																									
ZZZZZZ			15:46																									
ZZZZZZ			15:50																									
ZZZZZZ			15:55																									
ZZZZZZ			15:58																									
ZZZZZZ			16:03																									
ZZZZZZ			16:07																									
ZZZZZZ			16:11																									
ZZZZZZ			16:16																									
ZZZZZZ			16:20																									
CCV 240-249055/83			16:24																									
CCB 240-249055/84			16:28																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 09/29/2016 09:40 End Date: 09/30/2016 02:27

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Ba	Cd	Cr	Pb	Se																		
ZZZZZZ			16:32																									
ZZZZZZ			16:36																									
ZZZZZZ			16:41																									
ZZZZZZ			16:45																									
ZZZZZZ			16:49																									
ZZZZZZ			16:53																									
ZZZZZZ			16:57																									
ZZZZZZ			17:01																									
ZZZZZZ			17:05																									
ZZZZZZ			17:10																									
CCV 240-249055/95			17:14																									
CCB 240-249055/96			17:18																									
ZZZZZZ			17:22																									
ZZZZZZ			17:26																									
ZZZZZZ			17:31																									
CRI 240-249055/100	1		17:35	X	X	X	X	X	X	X																		
ZZZZZZ			17:39																									
ZZZZZZ			17:44																									
ZZZZZZ			17:48																									
ZZZZZZ			17:53																									
ZZZZZZ			17:57																									
ZZZZZZ			18:02																									
CCV 240-249055/107			18:06																									
CCB 240-249055/108			18:10																									
ZZZZZZ			18:15																									
ZZZZZZ			18:19																									
ZZZZZZ			18:23																									
ZZZZZZ			18:28																									
ZZZZZZ			18:32																									
ZZZZZZ			18:36																									
ZZZZZZ			18:40																									
ZZZZZZ			18:45																									
ZZZZZZ			18:49																									
ZZZZZZ			18:53																									
CCV 240-249055/119			18:58																									
CCB 240-249055/120			19:02																									
ZZZZZZ			19:06																									
ZZZZZZ			19:10																									
ZZZZZZ			19:14																									
ZZZZZZ			19:18																									
ZZZZZZ			19:23																									
ZZZZZZ			19:27																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 09/29/2016 09:40 End Date: 09/30/2016 02:27

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Ba	Cd	Cr	Pb	Se																		
ZZZZZZ			19:32																									
ZZZZZZ			19:36																									
ZZZZZZ			19:40																									
ZZZZZZ			19:44																									
CCV 240-249055/131			19:48																									
CCB 240-249055/132			19:52																									
ZZZZZZ			19:57																									
ZZZZZZ			20:01																									
ZZZZZZ			20:05																									
ZZZZZZ			20:10																									
ZZZZZZ			20:14																									
ZZZZZZ			20:18																									
ZZZZZZ			20:22																									
ZZZZZZ			20:26																									
ZZZZZZ			20:30																									
ZZZZZZ			20:35																									
CCV 240-249055/143			20:39																									
CCB 240-249055/144			20:42																									
ZZZZZZ			20:47																									
ZZZZZZ			20:51																									
ZZZZZZ			20:55																									
ZZZZZZ			20:59																									
ZZZZZZ			21:03																									
ZZZZZZ			21:08																									
ZZZZZZ			21:12																									
ZZZZZZ			21:16																									
ZZZZZZ			21:21																									
ZZZZZZ			21:25																									
CCV 240-249055/155			21:29																									
CCB 240-249055/156			21:33																									
ZZZZZZ			21:37																									
ZZZZZZ			21:42																									
ZZZZZZ			21:46																									
ZZZZZZ			21:50																									
ZZZZZZ			21:55																									
ZZZZZZ			21:59																									
ZZZZZZ			22:03																									
ZZZZZZ			22:08																									
ZZZZZZ			22:12																									
ZZZZZZ			22:16																									
CCV 240-249055/167			22:21																									
CCB 240-249055/168			22:24																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 09/29/2016 09:40 End Date: 09/30/2016 02:27

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Ba	Cd	Cr	Pb	Se																		
ZZZZZZ			22:29																									
ZZZZZZ			22:33																									
ZZZZZZ			22:37																									
ZZZZZZ			22:41																									
ZZZZZZ			22:45																									
ZZZZZZ			22:50																									
ZZZZZZ			22:54																									
ZZZZZZ			22:58																									
ZZZZZZ			23:02																									
ZZZZZZ			23:06																									
CCV 240-249055/179			23:10																									
CCB 240-249055/180			23:14																									
ZZZZZZ			23:19																									
ZZZZZZ			23:23																									
ZZZZZZ			23:27																									
ZZZZZZ			23:31																									
ZZZZZZ			23:35																									
ZZZZZZ			23:39																									
ZZZZZZ			23:43																									
ZZZZZZ			23:47																									
ZZZZZZ			23:51																									
ZZZZZZ			23:55																									
CCV 240-249055/191			23:59																									
CCB 240-249055/192			00:03																									
ZZZZZZ			00:08																									
ZZZZZZ			00:12																									
ZZZZZZ			00:16																									
ZZZZZZ			00:20																									
ZZZZZZ			00:24																									
ZZZZZZ			00:28																									
ZZZZZZ			00:33																									
ZZZZZZ			00:37																									
ZZZZZZ			00:40																									
ZZZZZZ			00:44																									
CCV 240-249055/203			00:49																									
CCB 240-249055/204			00:52																									
ZZZZZZ			00:57																									
ZZZZZZ			01:01																									
ZZZZZZ			01:06																									
ZZZZZZ			01:10																									
ZZZZZZ			01:14																									
ZZZZZZ			01:19																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: I9 Analysis Method: 6010C

Start Date: 09/29/2016 09:40 End Date: 09/30/2016 02:27

Lab Sample Id	D/F	Type	Time	Analytes																								
				Ag	As	Ba	Cd	Cr	Pb	Se																		
ZZZZZZ			01:23																									
ZZZZZZ			01:27																									
ZZZZZZ			01:31																									
ZZZZZZ			01:36																									
CCV 240-249055/215			01:40																									
CCB 240-249055/216			01:44																									
ZZZZZZ			01:48																									
ZZZZZZ			01:52																									
ZZZZZZ			01:57																									
ZZZZZZ			02:01																									
ZZZZZZ			02:05																									
ZZZZZZ			02:10																									
ZZZZZZ			02:14																									
ZZZZZZ			02:18																									
CCV 240-249055/225			02:23																									
CCB 240-249055/226			02:27																									

Prep Types:
P = TCLP
T = Total/NA

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: H2 Analysis Method: 7470A

Start Date: 09/29/2016 06:28 End Date: 09/29/2016 12:55

Lab Sample Id	D/F	Type	Time	Analytes
				Hg
IC 240-248755/1-A			06:28	X
IC 240-248755/2-A			06:30	X
IC 240-248755/3-A			06:32	X
IC 240-248755/4-A			06:34	X
IC 240-248755/5-A			06:36	X
IC 240-248755/6-A			06:38	X
ICV 240-248755/7-A	1		06:41	X
ICB 240-248755/8-A	1		06:43	X
CRA 240-248755/9-A	1		06:45	X
CCV 240-248755/10-A			06:47	
CCB 240-248755/11-A			06:49	
CCV 240-248755/10-A			06:51	
CCB 240-248755/11-A			06:53	
CCV 240-248755/10-A			08:30	
CCB 240-248755/11-A			08:32	
ZZZZZZ			08:34	
ZZZZZZ			08:36	
ZZZZZZ			08:38	
ZZZZZZ			08:40	
ZZZZZZ			08:42	
ZZZZZZ			08:44	
ZZZZZZ			08:46	
ZZZZZZ			08:48	
ZZZZZZ			08:50	
ZZZZZZ			08:52	
CCV 240-248755/10-A			08:54	
CCB 240-248755/11-A			08:56	
ZZZZZZ			08:58	
ZZZZZZ			09:00	
ZZZZZZ			09:02	
ZZZZZZ			09:04	
CCV 240-248755/10-A			09:06	
CCB 240-248755/11-A			09:08	
CCV 240-248755/10-A	1		09:21	X
CCB 240-248755/11-A	1		09:23	X
LB 240-248715/1-C	1	P	09:25	X
MB 240-248835/2-A	1	T	09:27	X
LCS 240-248835/3-A	1	T	09:29	X
240-69767-61	1	P	09:31	X
240-69767-61 MS	1	P	09:33	X
240-69767-61 MSD	1	P	09:35	X
CCV 240-248755/10-A	1		09:37	X

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: H2 Analysis Method: 7470A

Start Date: 09/29/2016 06:28 End Date: 09/29/2016 12:55

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
CCB 240-248755/11-A	1		09:39	X																								
ZZZZZZ			09:42																									
ZZZZZZ			09:44																									
ZZZZZZ			09:45																									
ZZZZZZ			09:47																									
ZZZZZZ			09:49																									
ZZZZZZ			09:51																									
ZZZZZZ			09:53																									
ZZZZZZ			09:55																									
ZZZZZZ			09:57																									
ZZZZZZ			09:59																									
CCV 240-248755/10-A			10:02																									
CCB 240-248755/11-A			10:04																									
ZZZZZZ			10:06																									
ZZZZZZ			10:08																									
ZZZZZZ			10:10																									
ZZZZZZ			10:12																									
ZZZZZZ			10:14																									
ZZZZZZ			10:16																									
ZZZZZZ			10:18																									
ZZZZZZ			10:20																									
ZZZZZZ			10:22																									
ZZZZZZ			10:24																									
CCV 240-248755/10-A			10:26																									
CCB 240-248755/11-A			10:28																									
ZZZZZZ			10:30																									
ZZZZZZ			10:32																									
ZZZZZZ			10:34																									
ZZZZZZ			10:35																									
ZZZZZZ			10:37																									
ZZZZZZ			10:39																									
ZZZZZZ			10:41																									
ZZZZZZ			10:43																									
ZZZZZZ			10:45																									
ZZZZZZ			10:47																									
CCV 240-248755/10-A			10:49																									
CCB 240-248755/11-A			10:51																									
ZZZZZZ			10:53																									
ZZZZZZ			10:55																									
ZZZZZZ			10:57																									
ZZZZZZ			10:59																									
ZZZZZZ			11:01																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: H2 Analysis Method: 7470A

Start Date: 09/29/2016 06:28 End Date: 09/29/2016 12:55

Lab Sample Id	D/F	Type	Time	Analytes																								
				Hg																								
ZZZZZZ			11:03																									
ZZZZZZ			11:05																									
ZZZZZZ			11:07																									
ZZZZZZ			11:09																									
ZZZZZZ			11:11																									
CCV 240-248755/10-A			11:13																									
CCB 240-248755/11-A			11:15																									
ZZZZZZ			11:17																									
ZZZZZZ			11:19																									
ZZZZZZ			11:21																									
ZZZZZZ			11:23																									
ZZZZZZ			11:25																									
ZZZZZZ			11:27																									
ZZZZZZ			11:29																									
ZZZZZZ			11:30																									
ZZZZZZ			11:32																									
ZZZZZZ			11:34																									
CCV 240-248755/10-A			11:36																									
CCB 240-248755/11-A			11:38																									
ZZZZZZ			11:40																									
ZZZZZZ			11:42																									
ZZZZZZ			11:44																									
ZZZZZZ			11:46																									
ZZZZZZ			11:48																									
ZZZZZZ			11:50																									
ZZZZZZ			11:52																									
ZZZZZZ			11:54																									
ZZZZZZ			11:56																									
ZZZZZZ			11:58																									
CCV 240-248755/10-A			12:00																									
CCB 240-248755/11-A			12:02																									
ZZZZZZ			12:04																									
ZZZZZZ			12:06																									
ZZZZZZ			12:08																									
ZZZZZZ			12:10																									
ZZZZZZ			12:12																									
ZZZZZZ			12:14																									
ZZZZZZ			12:16																									
ZZZZZZ			12:18																									
ZZZZZZ			12:20																									
ZZZZZZ			12:22																									
CCV 240-248755/10-A			12:24																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: H2 Analysis Method: 7470A

Start Date: 09/29/2016 06:28 End Date: 09/29/2016 12:55

Lab Sample Id	D/F	Type	Time	Analytes
				Hg
CCB 240-248755/11-A			12:26	
ZZZZZZ			12:28	
ZZZZZZ			12:30	
ZZZZZZ			12:32	
ZZZZZZ			12:34	
ZZZZZZ			12:35	
ZZZZZZ			12:37	
ZZZZZZ			12:39	
ZZZZZZ			12:41	
ZZZZZZ			12:43	
ZZZZZZ			12:45	
ZZZZZZ			12:47	
CCV 240-248755/10-A			12:49	
CCB 240-248755/11-A			12:51	
CCV 240-248755/10-A			12:53	
CCB 240-248755/11-A			12:55	

Prep Types:
P = TCLP
T = Total/NA

FORM XIII-IN

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Batch Number: 248715 Batch Start Date: 09/27/16 17:25 Batch Analyst: Jones, Diane

Batch Method: 1311 Batch End Date: 09/28/16 09:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	EXPESTBUFF1 00113	EXPESTBUFF1 00114	EXpH(0-14) 00011	EXTCLPFILTERS 00031	EXTCLPHCLW 00052	AnalysisComment
LB 240-248715/1		1311, 3010A, 6010C		1 mL	1 mL	1 mL	1	1 mL	Buffer 1 - Pest
240-69767-E-61	DR-TP-A64-PRE-EX	1311, 3010A, 6010C	P	1 mL	1 mL	1 mL	1	1 mL	MS/MSD for Metals

Batch Notes	
Tumbler Rotations per Minute	A, B, C, E = 31rpm

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Batch Number: 248831 Batch Start Date: 09/28/16 14:00 Batch Analyst: Colosi, Alexander J

Batch Method: 3010A Batch End Date: 09/28/16 22:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	MT1to1HCL 00066	MTAGSPIKEW 00062	MTICP1 00055	MTICP2A 00063
LB 240-248715/1-A		3010A, 6010C		50 mL	50 mL	5 mL			
MB 240-248831/2		3010A, 6010C		50 mL	50 mL	5 mL			
LCS 240-248831/3		3010A, 6010C		50 mL	50 mL	5 mL	1 mL	1 mL	1 mL
240-69767-E-61-B	DR-TP-A64-PRE-EX	3010A, 6010C	P	50 mL	50 mL	5 mL			
240-69767-E-61-B MS	DR-TP-A64-PRE-EX	3010A, 6010C	P	50 mL	50 mL	5 mL			1 mL
240-69767-E-61-B MSD	DR-TP-A64-PRE-EX	3010A, 6010C	P	50 mL	50 mL	5 mL			1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTNONRCRA+ODD 00006	MTRCRA 00011	MTTMHNO3 00098			
LB 240-248715/1-A		3010A, 6010C				3 mL			
MB 240-248831/2		3010A, 6010C				3 mL			
LCS 240-248831/3		3010A, 6010C				3 mL			
240-69767-E-61-B	DR-TP-A64-PRE-EX	3010A, 6010C	P			3 mL			
240-69767-E-61-B MS	DR-TP-A64-PRE-EX	3010A, 6010C	P	1 mL	0.5 mL	3 mL			
240-69767-E-61-B MSD	DR-TP-A64-PRE-EX	3010A, 6010C	P	1 mL	0.5 mL	3 mL			

Batch Notes	
Filter Paper ID	9715194
Hot Block ID	HB0
Pipette ID	MP1-MP3-MP5
Digestion Tube/Cup ID	1512329

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Batch Number: 248715 Batch Start Date: 09/27/16 17:25 Batch Analyst: Jones, Diane

Batch Method: 1311 Batch End Date: 09/28/16 09:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	EXPESTBUFF1 00113	EXPESTBUFF1 00114	EXpH(0-14) 00011	EXTCLPFILTERS 00031	EXTCLPHCLW 00052	AnalysisComment
LB 240-248715/1		1311, 7470A, 7470A		1 mL	1 mL	1 mL	1	1 mL	Buffer 1 - Pest
240-69767-E-61	DR-TP-A64-PRE-EX	1311, 7470A, 7470A	P	1 mL	1 mL	1 mL	1	1 mL	MS/MSD for Metals

Batch Notes	
Tumbler Rotations per Minute	A, B, C, E = 31rpm

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Batch Number: 248755 Batch Start Date: 09/28/16 08:00 Batch Analyst: Dillon, William K

Batch Method: 7470A Batch End Date: 09/28/16 10:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	K2S2O8 00049	MTH2S04 00034	MTHGCALW 01322	MTHgICV_00001 00075
ICV 240-248755/7		7470A, 7470A		50 mL	50 mL	4 mL	2.5 mL		2.5 mL
ICB 240-248755/8		7470A, 7470A		50 mL	50 mL	4 mL	2.5 mL		
CRA 240-248755/9		7470A, 7470A		50 mL	50 mL	4 mL	2.5 mL	0.1 mL	
CCV 240-248755/10		7470A, 7470A		50 mL	50 mL	4 mL	2.5 mL	2.5 mL	
CCB 240-248755/11		7470A, 7470A		50 mL	50 mL	4 mL	2.5 mL		

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTKMN04W 00116	MTTMHNO3 00098				
ICV 240-248755/7		7470A, 7470A		7.5 mL	1.25 mL				
ICB 240-248755/8		7470A, 7470A		7.5 mL	1.25 mL				
CRA 240-248755/9		7470A, 7470A		7.5 mL	1.25 mL				
CCV 240-248755/10		7470A, 7470A		7.5 mL	1.25 mL				
CCB 240-248755/11		7470A, 7470A		7.5 mL	1.25 mL				

Batch Notes	
Batch Comment	take out temp in range
Hot Block ID	A2
Pipette ID	A6, MP1, MP2

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Batch Number: 248835 Batch Start Date: 09/28/16 14:00 Batch Analyst: Colosi, Alexander J

Batch Method: 7470A Batch End Date: 09/28/16 16:00

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	K2S2O8 00049	MTH2S04 00034	MTHGCALW 01322	MTKMN04W 00116
LB 240-248715/1-A		7470A, 7470A		50 mL	50 mL	4 mL	2.5 mL		7.5 mL
MB 240-248835/2		7470A, 7470A		50 mL	50 mL	4 mL	2.5 mL		7.5 mL
LCS 240-248835/3		7470A, 7470A		50 mL	50 mL	4 mL	2.5 mL	2.5 mL	7.5 mL
240-69767-E-61-B	DR-TP-A64-PRE-EX	7470A, 7470A	P	50 mL	50 mL	4 mL	2.5 mL		7.5 mL
240-69767-E-61-B MS	DR-TP-A64-PRE-EX	7470A, 7470A	P	50 mL	50 mL	4 mL	2.5 mL	2.5 mL	7.5 mL
240-69767-E-61-B MSD	DR-TP-A64-PRE-EX	7470A, 7470A	P	50 mL	50 mL	4 mL	2.5 mL	2.5 mL	7.5 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	MTTMHNO3 00098					
LB 240-248715/1-A		7470A, 7470A		1.25 mL					
MB 240-248835/2		7470A, 7470A		1.25 mL					
LCS 240-248835/3		7470A, 7470A		1.25 mL					
240-69767-E-61-B	DR-TP-A64-PRE-EX	7470A, 7470A	P	1.25 mL					
240-69767-E-61-B MS	DR-TP-A64-PRE-EX	7470A, 7470A	P	1.25 mL					
240-69767-E-61-B MSD	DR-TP-A64-PRE-EX	7470A, 7470A	P	1.25 mL					

Batch Notes	
Batch Comment	Take out temps within range
Hot Block ID	C1
Pipette ID	MP1-MP2
Digestion Tube/Cup ID	1512329

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-69767-1

SDG No.:

Project: MSA Dump Road PCB Investigation

Client Sample ID	Lab Sample ID
DR-SB-250-0-3	240-69767-1
DR-SB-250-24-27	240-69767-2
DR-SB-250-48-51	240-69767-3
DR-SB-250-72-75	240-69767-4
DR-SB-250-96-99	240-69767-5
DR-SB-250-120-123	240-69767-6
DR-SB-250-144-145	240-69767-7
DR-SB-251-0-3	240-69767-8
DR-SB-251-24-27	240-69767-9
DR-SB-251-48-51	240-69767-10
DR-SB-251-72-75	240-69767-11
DR-SB-251-96-99	240-69767-12
DR-SB-251-120-123	240-69767-13
DR-SB-251-144-145	240-69767-14
DR-SB-252-0-3	240-69767-15
DR-SB-252-24-27	240-69767-16
DR-SB-252-48-51	240-69767-17
DR-SB-252-72-75	240-69767-18
DR-SB-252-96-99	240-69767-19
DR-SB-252-120-123	240-69767-20
DR-SB-252-144-145	240-69767-21
DR-SB-253-0-3	240-69767-22
DR-SB-253-24-27	240-69767-23
DR-SB-253-48-51	240-69767-24
DR-SB-253-72-75	240-69767-25
DR-SB-253-96-99	240-69767-26
DR-SB-253-120-123	240-69767-27
DR-SB-253-144-145	240-69767-28
DR-SB-254-0-3	240-69767-29
DR-SB-254-24-27	240-69767-30
DR-SB-254-48-51	240-69767-31
DR-SB-254-72-75	240-69767-32
DR-SB-255-0-3	240-69767-33
DR-SB-255-24-27	240-69767-34
DR-SB-255-48-51	240-69767-35
DR-SB-255-72-75	240-69767-36
DR-SB-255-96-99	240-69767-37
DR-SB-255-120-123	240-69767-38
DR-SB-255-144-145	240-69767-39
DR-SB-256-0-3	240-69767-40
DR-SB-256-24-27	240-69767-41
DR-SB-256-48-51	240-69767-42
DR-SB-256-72-75	240-69767-43
DR-SB-256-96-99	240-69767-44
DR-SB-256-120-123	240-69767-45

Comments:

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-69767-1

SDG No.:

Project: MSA Dump Road PCB Investigation

Client Sample ID	Lab Sample ID
DR-SB-256-144-145	240-69767-46
DR-SB-257-0-3	240-69767-47
DR-SB-257-24-27	240-69767-48
DR-SB-257-48-51	240-69767-49
DR-SB-257-72-75	240-69767-50
DR-SB-257-96-99	240-69767-51
DR-SB-257-120-123	240-69767-52
DR-SB-257-144-145	240-69767-53
DR-SB-258-0-3	240-69767-54
DR-SB-258-24-27	240-69767-55
DR-SB-258-48-51	240-69767-56
DR-SB-258-72-75	240-69767-57
DR-SB-258-96-99	240-69767-58
DR-SB-258-120-123	240-69767-59
DR-SB-258-144-145	240-69767-60
DR-TP-A64-PRE-EX	240-69767-61

Comments:

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Matrix: Solid

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 248962 Date: 09/29/2016 05:00											
						LCS Source: WCP-XYLENE_00019					
1010A	LCS 240-248962/1	Flashpoint	81.00		Degrees F	81.0	100	97-103			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-69767-1

SDG Number:

Matrix: Solid Instrument ID: WHITEY

Method: 1010A RL Date: 01/28/2010 09:55

Analyte	Wavelength/ Mass	RL (Degrees F)	
Flashpoint		1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-69767-1

SDG Number:

Matrix: Solid Instrument ID: WHITEY

Method: 1010A XRL Date: 01/28/2010 09:55

Analyte	Wavelength/ Mass	XRL (Degrees F)	
Flashpoint		1	

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-69767-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job Number: 240-69767-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 01/28/2010 09:24

Analyte	Wavelength/ Mass	XRL (mg/L)	
Percent Moisture		10	
Percent Solids		10	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: WHITEY Analysis Method: 1010A

Start Date: 09/29/2016 05:00 End Date: 09/29/2016 12:22

Lab Sample Id	D/F	Type	Time	Analytes																								
				FP																								
LCS 240-248962/1	1	T	05:00	X																								
ZZZZZZ			05:27																									
ZZZZZZ			05:55																									
ZZZZZZ			06:22																									
ZZZZZZ			06:50																									
ZZZZZZ			07:18																									
ZZZZZZ			07:45																									
ZZZZZZ			08:13																									
ZZZZZZ			08:41																									
ZZZZZZ			09:08																									
ZZZZZZ			09:36																									
240-69767-61	1	T	10:04	X																								
ZZZZZZ			10:31																									
ZZZZZZ			10:59																									
ZZZZZZ			11:27																									
ZZZZZZ			11:54																									
ZZZZZZ			12:22																									

Prep Types:
T = Total/NA

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: NOEQUIP Analysis Method: Moisture

Start Date: 09/22/2016 13:56 End Date: 09/22/2016 14:50

Lab Sample Id	D/F	Type	Time	Analytes																										
				%Sol	Moist																									
ZZZZZZ			13:56																											
ZZZZZZ			13:56																											
ZZZZZZ			13:56																											
ZZZZZZ			13:56																											
ZZZZZZ			13:56																											
ZZZZZZ			13:56																											
ZZZZZZ			13:56																											
ZZZZZZ			13:56																											
ZZZZZZ			13:56																											
240-69767-1	1	T	13:56	X	X																									
240-69767-2 DU	1	T	13:56	X	X																									
240-69767-2	1	T	13:56	X	X																									
240-69767-3	1	T	13:56	X	X																									
240-69767-4	1	T	13:56	X	X																									
240-69767-5	1	T	13:56	X	X																									
240-69767-6	1	T	13:56	X	X																									
240-69767-7	1	T	13:56	X	X																									
240-69767-8	1	T	13:56	X	X																									
240-69767-9	1	T	13:56	X	X																									
240-69767-10	1	T	13:56	X	X																									
240-69767-11 DU	1	T	14:50	X	X																									
240-69767-11	1	T	14:50	X	X																									
240-69767-12	1	T	14:50	X	X																									
240-69767-13	1	T	14:50	X	X																									
240-69767-14	1	T	14:50	X	X																									
240-69767-15	1	T	14:50	X	X																									
240-69767-16	1	T	14:50	X	X																									
240-69767-17	1	T	14:50	X	X																									
240-69767-18	1	T	14:50	X	X																									
240-69767-19	1	T	14:50	X	X																									
240-69767-20 DU	1	T	14:50	X	X																									
240-69767-20	1	T	14:50	X	X																									
240-69767-21	1	T	14:50	X	X																									
240-69767-22	1	T	14:50	X	X																									
240-69767-23	1	T	14:50	X	X																									
240-69767-24	1	T	14:50	X	X																									
240-69767-25	1	T	14:50	X	X																									
240-69767-26	1	T	14:50	X	X																									
240-69767-27	1	T	14:50	X	X																									

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: NOEQUIP Analysis Method: Moisture

Start Date: 09/22/2016 13:56 End Date: 09/22/2016 14:50

Lab Sample Id	D/F	Type	Time	Analytes																									
				% Sol	Moist																								
240-69767-28	1	T	14:50	X	X																								
240-69767-29 DU	1	T	14:50	X	X																								
240-69767-29	1	T	14:50	X	X																								
240-69767-30	1	T	14:50	X	X																								
240-69767-31	1	T	14:50	X	X																								
240-69767-32	1	T	14:50	X	X																								
240-69767-33	1	T	14:50	X	X																								
240-69767-34	1	T	14:50	X	X																								
240-69767-35	1	T	14:50	X	X																								
240-69767-36	1	T	14:50	X	X																								
240-69767-37	1	T	14:50	X	X																								
240-69767-38 DU	1	T	14:50	X	X																								
240-69767-38	1	T	14:50	X	X																								
240-69767-39	1	T	14:50	X	X																								
240-69767-40	1	T	14:50	X	X																								
240-69767-41	1	T	14:50	X	X																								
240-69767-42	1	T	14:50	X	X																								
240-69767-43	1	T	14:50	X	X																								
240-69767-44	1	T	14:50	X	X																								
240-69767-45	1	T	14:50	X	X																								
240-69767-46	1	T	14:50	X	X																								
240-69767-47 DU	1	T	14:50	X	X																								
240-69767-47	1	T	14:50	X	X																								
240-69767-48	1	T	14:50	X	X																								
240-69767-49	1	T	14:50	X	X																								
240-69767-50	1	T	14:50	X	X																								
240-69767-51	1	T	14:50	X	X																								
240-69767-52	1	T	14:50	X	X																								
240-69767-53	1	T	14:50	X	X																								
240-69767-54	1	T	14:50	X	X																								
240-69767-55	1	T	14:50	X	X																								
240-69767-56 DU	1	T	14:50	X	X																								
240-69767-56	1	T	14:50	X	X																								
240-69767-57	1	T	14:50	X	X																								
240-69767-58	1	T	14:50	X	X																								
240-69767-59	1	T	14:50	X	X																								
240-69767-60	1	T	14:50	X	X																								
240-69767-61	1	T	14:50	X	X																								
ZZZZZZ			14:50																										

FORM XIII-IN

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Instrument ID: NOEQUIP Analysis Method: Moisture

Start Date: 09/22/2016 13:56 End Date: 09/22/2016 14:50

Lab Sample Id	D/F	Type	Time	Analytes																										
				% Sol	Moist																									
ZZZZZZ			14:50																											
ZZZZZZ			14:50																											
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Prep Types:
T = Total/NA

FORM XIII-IN

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Batch Number: 248962 Batch Start Date: 09/29/16 05:00 Batch Analyst: Harshman, Tom

Batch Method: 1010A Batch End Date: 09/29/16 12:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	FinalAmount	InitialTemp	WCP-XYLENE 00019			
LCS 240-248962/1		1010A		70 mL	68 Degrees F	70 mL			
240-69767-E-61	DR-TP-A64-PRE-EX	1010A	T	70 g	72 Degrees F				

Batch Notes	
Equipment ID	Whitey

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Batch Number: 248039 Batch Start Date: 09/22/16 13:56 Batch Analyst: Weimer, Joshua W

Batch Method: Moisture Batch End Date: 09/23/16 10:53

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-69767-A-1	DR-SB-250-0-3	Moisture	T	4.3080 g	14.6150 g	12.4470 g			
240-69767-A-2 DU	DR-SB-250-24-27	Moisture	T	4.3080 g	9.1090 g	8.5662 g			
240-69767-A-2	DR-SB-250-24-27	Moisture	T	4.3080 g	12.1794 g	11.2450 g			
240-69767-A-3	DR-SB-250-48-51	Moisture	T	4.3080 g	16.0044 g	14.3591 g			
240-69767-A-4	DR-SB-250-72-75	Moisture	T	4.3080 g	16.5721 g	15.4516 g			
240-69767-A-5	DR-SB-250-96-99	Moisture	T	4.3080 g	14.5037 g	12.8460 g			
240-69767-A-6	DR-SB-250-120-123	Moisture	T	4.3080 g	15.6599 g	13.5328 g			
240-69767-A-7	DR-SB-250-144-145	Moisture	T	4.3080 g	13.8778 g	11.0046 g			
240-69767-A-8	DR-SB-251-0-3	Moisture	T	4.3080 g	15.7771 g	13.3191 g			
240-69767-A-9	DR-SB-251-24-27	Moisture	T	4.3080 g	20.6431 g	18.3481 g			
240-69767-A-10	DR-SB-251-48-51	Moisture	T	4.3080 g	18.6689 g	16.5261 g			
240-69767-A-11 DU	DR-SB-251-72-75	Moisture	T	4.3080 g	9.2280 g	8.4658 g			
240-69767-A-11	DR-SB-251-72-75	Moisture	T	4.3080 g	10.8101 g	9.8694 g			
240-69767-A-12	DR-SB-251-96-99	Moisture	T	4.3080 g	15.0889 g	14.3129 g			
240-69767-A-13	DR-SB-251-120-123	Moisture	T	4.3080 g	21.4465 g	17.0218 g			
240-69767-A-14	DR-SB-251-144-145	Moisture	T	4.3080 g	30.1086 g	26.3176 g			
240-69767-A-15	DR-SB-252-0-3	Moisture	T	4.3080 g	17.2247 g	15.7795 g			
240-69767-A-16	DR-SB-252-24-27	Moisture	T	4.3080 g	15.4918 g	14.3488 g			
240-69767-A-17	DR-SB-252-48-51	Moisture	T	4.3080 g	13.4063 g	12.1083 g			
240-69767-A-18	DR-SB-252-72-75	Moisture	T	4.3080 g	17.1204 g	15.4093 g			
240-69767-A-19	DR-SB-252-96-99	Moisture	T	4.3080 g	17.0684 g	16.1460 g			
240-69767-A-20 DU	DR-SB-252-120-123	Moisture	T	4.3080 g	12.1861 g	10.5118 g			
240-69767-A-20	DR-SB-252-120-123	Moisture	T	4.3080 g	12.7522 g	10.9757 g			
240-69767-A-21	DR-SB-252-144-145	Moisture	T	4.3080 g	21.8216 g	19.5737 g			
240-69767-A-22	DR-SB-253-0-3	Moisture	T	4.3080 g	12.6365 g	11.4914 g			
240-69767-A-23	DR-SB-253-24-27	Moisture	T	4.3080 g	16.5196 g	15.2203 g			
240-69767-A-24	DR-SB-253-48-51	Moisture	T	4.3080 g	26.5237 g	23.7838 g			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Batch Number: 248039 Batch Start Date: 09/22/16 13:56 Batch Analyst: Weimer, Joshua W

Batch Method: Moisture Batch End Date: 09/23/16 10:53

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-69767-A-25	DR-SB-253-72-75	Moisture	T	4.3080 g	16.2943 g	15.0883 g			
240-69767-A-26	DR-SB-253-96-99	Moisture	T	4.3080 g	23.5317 g	20.5567 g			
240-69767-A-27	DR-SB-253-120-123	Moisture	T	4.3080 g	15.4454 g	13.3837 g			
240-69767-A-28	DR-SB-253-144-145	Moisture	T	4.3080 g	19.9771 g	15.0898 g			
240-69767-A-29 DU	DR-SB-254-0-3	Moisture	T	4.3080 g	8.2597 g	7.8073 g			
240-69767-A-29	DR-SB-254-0-3	Moisture	T	4.3080 g	10.0907 g	9.3888 g			
240-69767-A-30	DR-SB-254-24-27	Moisture	T	4.3080 g	17.7842 g	15.3011 g			
240-69767-A-31	DR-SB-254-48-51	Moisture	T	4.3080 g	18.7064 g	16.7784 g			
240-69767-A-32	DR-SB-254-72-75	Moisture	T	4.3080 g	16.1831 g	14.4656 g			
240-69767-A-33	DR-SB-255-0-3	Moisture	T	4.3080 g	15.6966 g	13.1021 g			
240-69767-A-34	DR-SB-255-24-27	Moisture	T	4.3080 g	16.7896 g	14.6812 g			
240-69767-A-35	DR-SB-255-48-51	Moisture	T	4.3080 g	27.7034 g	24.0934 g			
240-69767-A-36	DR-SB-255-72-75	Moisture	T	4.3080 g	15.6821 g	14.7115 g			
240-69767-A-37	DR-SB-255-96-99	Moisture	T	4.3080 g	17.5084 g	15.0323 g			
240-69767-A-38 DU	DR-SB-255-120-123	Moisture	T	4.3080 g	10.1766 g	8.6035 g			
240-69767-A-38	DR-SB-255-120-123	Moisture	T	4.3080 g	12.7790 g	10.6070 g			
240-69767-A-39	DR-SB-255-144-145	Moisture	T	4.3080 g	24.5291 g	20.5375 g			
240-69767-A-40	DR-SB-256-0-3	Moisture	T	4.3080 g	12.0845 g	10.9198 g			
240-69767-A-41	DR-SB-256-24-27	Moisture	T	4.3080 g	16.6771 g	14.9131 g			
240-69767-A-42	DR-SB-256-48-51	Moisture	T	4.3080 g	16.0783 g	14.4879 g			
240-69767-A-43	DR-SB-256-72-75	Moisture	T	4.3080 g	15.4246 g	14.0908 g			
240-69767-A-44	DR-SB-256-96-99	Moisture	T	4.3080 g	25.0404 g	23.2193 g			
240-69767-A-45	DR-SB-256-120-123	Moisture	T	4.3080 g	15.9515 g	14.2206 g			
240-69767-A-46	DR-SB-256-144-145	Moisture	T	4.3080 g	28.1772 g	23.7631 g			
240-69767-A-47 DU	DR-SB-257-0-3	Moisture	T	4.3080 g	8.8887 g	7.9681 g			
240-69767-A-47	DR-SB-257-0-3	Moisture	T	4.3080 g	10.2811 g	9.0474 g			
240-69767-A-48	DR-SB-257-24-27	Moisture	T	4.3080 g	19.2272 g	17.2745 g			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Canton Job No.: 240-69767-1

SDG No.:

Batch Number: 248039 Batch Start Date: 09/22/16 13:56 Batch Analyst: Weimer, Joshua W

Batch Method: Moisture Batch End Date: 09/23/16 10:53

Lab Sample ID	Client Sample ID	Method Chain	Basis	DishWeight	SampleMassWet	SampleMassDry			
240-69767-A-49	DR-SB-257-48-51	Moisture	T	4.3080 g	23.0443 g	19.6026 g			
240-69767-A-50	DR-SB-257-72-75	Moisture	T	4.3080 g	11.1167 g	8.5321 g			
240-69767-A-51	DR-SB-257-96-99	Moisture	T	4.3080 g	12.6917 g	8.9501 g			
240-69767-A-52	DR-SB-257-120-123	Moisture	T	4.3080 g	17.6718 g	15.3753 g			
240-69767-A-53	DR-SB-257-144-145	Moisture	T	4.3080 g	15.4724 g	12.5419 g			
240-69767-A-54	DR-SB-258-0-3	Moisture	T	4.3080 g	19.1138 g	17.3394 g			
240-69767-A-55	DR-SB-258-24-27	Moisture	T	4.3080 g	22.2182 g	19.8708 g			
240-69767-A-56 DU	DR-SB-258-48-51	Moisture	T	4.3080 g	11.5192 g	10.3795 g			
240-69767-A-56	DR-SB-258-48-51	Moisture	T	4.3080 g	13.4366 g	11.9649 g			
240-69767-A-57	DR-SB-258-72-75	Moisture	T	4.3080 g	23.6939 g	20.2005 g			
240-69767-A-58	DR-SB-258-96-99	Moisture	T	4.3080 g	22.0474 g	18.1801 g			
240-69767-A-59	DR-SB-258-120-123	Moisture	T	4.3080 g	21.7984 g	18.5042 g			
240-69767-A-60	DR-SB-258-144-145	Moisture	T	4.3080 g	36.6062 g	31.2973 g			
240-69767-A-61	DR-TP-A64-PRE-EX	Moisture	T	4.3080 g	25.0255 g	20.6711 g			

Batch Notes	
Balance ID	B47 No Unit
Date samples were placed in the oven	09/22/16
Oven Temp In	104.7 Degrees C
Time samples were place in the oven	15:39
Date samples were removed from oven	9/23/16
Oven Temp Out	103.6 Degrees C
Time Samples were removed from oven	04:20
Oven ID	002
Thermometer ID	Tempguard Box-C #6

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

SAMPLE IDENTIFICATION	DR-SB-255-120-123
COMPOUND	AROCLOR-1254
AVERAGE CONCENTRATION	0.4390
DILUTION FACTOR	10
VOLUME FINAL EXTRACT (ml)	10
WEIGHT OF SAMPLE (g)	10.28
PERCENT SOLIDS	0.744
CONCENTRATION =	**5739.6** µg/Kg
GC COLUMN 1	
RESPONSE 1	95552878
RESPONSE 2	138592016
RESPONSE 3	215294606
RESPONSE 4	170496060
RESPONSE 5	224438426
RESPONSE FACTOR 1	0.0325
RESPONSE FACTOR 2	0.0466
RESPONSE FACTOR 3	0.0666
RESPONSE FACTOR 4	0.0497
RESPONSE FACTOR 5	0.067
INTERNAL STANDARD RESPONSE	360871014
INTERNAL STANDARD CONCENTRATION	0.05
SLOPE 1	0.0001
SLOPE 2	0.0002
SLOPE 3	0.0001
SLOPE 4	0
SLOPE 5	0.0002
CONCENTRATION 1	0.4043
CONCENTRATION 2	0.4078
CONCENTRATION 3	0.4464
CONCENTRATION 4	0.4753
CONCENTRATION 5	0.4611
AVERAGE (µg/L)	0.4390

Sample Calculation - Page 2

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-255-120-123 | Lab Sample ID: 240-69767-38

Matrix: Solid | Lab File ID: P120925020.D

Analysis Method: 8082A | Date Collected: 09/20/2016 10:45

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.28(g) | Date Analyzed: 09/25/2016 19:07

Con. Extract Vol.: 10(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 25.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	310	U	650	310
11104-28-2	Aroclor-1221	300	U	650	300
11141-16-5	Aroclor-1232	210	U	650	210
53469-21-9	Aroclor-1242	260	U	650	260
12672-29-6	Aroclor-1248	220	U	650	220
11097-69-1	Aroclor-1254	5700		650	180
11096-82-5	Aroclor-1260	240	U	650	240
37324-23-5	Aroclor-1262	100	U	650	100
11100-14-4	Aroclor-1268	260	U	650	260

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	58		14-128
2051-24-3	DCB Decachlorobiphenyl	150	X	10-132

Sample Calculation - Page 3

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925020.D
Lims ID: 240-69767-B-38-A
Client ID: DR-SB-255-120-123
Sample Type: Client
Inject. Date: 25-Sep-2016 19:07:23 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 1.0 uL Dil. Factor: 10.0000
Sample Info: 240-0058326-020
Operator ID: Instrument ID: A2HP12

Method: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\PCB12IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 11:49:29 Calib Date: 05-Sep-2016 20:36:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP12\20160902-57717.b\P120905033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 11:18:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.875	2.867	0.009	360871014	0.0500	
2	3.604	3.599	0.004	86933066	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.165	4.163	0.002	8720456	0.001167	
2	5.010	5.007	0.003	3148826	0.001537	
					RPD = 27.34	
3 PCB-1221						
1		4.457			ND	
1		4.667				
1		4.722				
2		5.495				
2		5.705				
2		5.791				

Sample Calculation - Page 4

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.724			ND	
1		5.221				
1		5.842				
1		6.013				
1		6.541				
2		5.791				
2		6.373				
2		6.986				
2		7.163				
2		7.765				
5 PCB-1242						
1		4.724			ND	
1		5.222				
1		5.842				
1		6.013				
1		6.542				
2		5.792				
2		6.373				
2		6.987				
2		7.163				
2		7.767				
6 PCB-1016						
1		4.725			ND	
1		5.224				
1		5.842				
1		6.015				
1		6.543				
2		5.792				
2		6.375				
2		6.987				
2		7.164				
2		7.767				
7 PCB-1248						
1		5.222			ND	
1		6.542				
1		7.071				
1		7.336				
1		7.809				
2		6.374				
2		6.984				
2		7.767				
2		8.295				
2		9.079				

Sample Calculation - Page 5

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	7.017	7.016	0.001	95552878	0.4027	
1	7.340	7.342	-0.002	138592016	0.4080	
1	7.808	7.809	-0.001	215294606	0.4463	
1	8.139	8.139	0.000	170496060	0.4751	
1	8.680	8.680	0.000	224438426	0.4611	
		Average of Peak Amounts =			0.4386	
2	8.290	8.289	0.001	38286937	0.5304	
2	8.529	8.529	0.000	38640127	0.4612	
2	9.078	9.078	0.000	55340103	0.4636	
2	9.351	9.351	0.000	42722522	0.4956	
2	9.986	9.986	0.000	60632247	0.5177	
		Average of Peak Amounts =			0.4937	
					RPD = 11.81	
10 PCB-1260						
1		8.030			ND	
1		8.361				
1		8.680				
1		9.461				
1		9.777				
2		9.313				
2		9.565				
2		9.985				
2		10.704				
2		11.078				
9 PCB-1262						
1		8.361			ND	
1		8.820				
1		9.098				
1		9.460				
1		9.825				
2		9.565				
2		10.095				
2		10.428				
2		10.704				
2		11.075				
11 PCB-1268						
1		9.826			ND	
1		9.868				
1		10.091				
1		10.482				
1		10.775				
2		11.072				
2		11.119				
2		11.365				
2		11.637				
2		11.936				
$ 12 DCB Decachlorobiphenyl						
1	10.972	10.960	0.012	19920356	0.003007	
2	12.165	12.164	0.001	3390886	0.002107	
					RPD = 35.19	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

Sample Calculation - Page 6

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: TestAmerica Canton Job No.: 240-69767-1 Analy Batch No.: 245359

SDG No.:

Instrument ID: A2HP12 GC Column: CLP-1 (0.53 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 09/05/2016 17:23 Calibration End Date: 09/05/2016 18:51 Calibration ID: 35903

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD005 240-245359/22	P120905022.D
Level 2	STD01 240-245359/23	P120905023.D
Level 3	STD02 240-245359/24	P120905024.D
Level 4	STD05 240-245359/25	P120905025.D
Level 5	STD1 240-245359/26	P120905026.D
Level 6	STD2 240-245359/27	P120905027.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1221 Peak 1	0.0099 0.0086	0.0093	0.0090	0.0090	0.0085	Lin1	0.0001	0.0086							1.0000		0.9900
PCB-1221 Peak 2	0.0072 0.0057	0.0064	0.0061	0.0059	0.0056	Lin1	0.0001	0.0056							1.0000		0.9900
PCB-1221 Peak 3	0.0267 0.0218	0.0238	0.0237	0.0232	0.0219	Lin1	0.0003	0.0218							1.0000		0.9900
PCB-1254 Peak 1	0.0365 0.0329	0.0327	0.0331	0.0335	0.0318	Lin1	0.0001	0.0325							1.0000		0.9900
PCB-1254 Peak 2	0.0520 0.0471	0.0467	0.0473	0.0480	0.0456	Lin1	0.0002	0.0466							1.0000		0.9900
PCB-1254 Peak 3	0.0717 0.0673	0.0647	0.0665	0.0683	0.0649	Lin1	0.0001	0.0666							0.9990		0.9900
PCB-1254 Peak 4	0.0525 0.0503	0.0479	0.0491	0.0506	0.0482	Lin1	0	0.0497							0.9990		0.9900
PCB-1254 Peak 5	0.0742 0.0679	0.0663	0.0670	0.0688	0.0653	Lin1	0.0002	0.0670							0.9990		0.9900

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-250-120-123 | Lab Sample ID: 240-69767-6

Matrix: Solid | Lab File ID: P110924015.D

Analysis Method: 8082A | Date Collected: 09/19/2016 09:47

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:31

Sample wt/vol: 9.51(g) | Date Analyzed: 09/24/2016 16:14

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 18.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248278 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	31	U	65	31
11104-28-2	Aroclor-1221	30	U	65	30
11141-16-5	Aroclor-1232	21	U	65	21
53469-21-9	Aroclor-1242	26	U	65	26
12672-29-6	Aroclor-1248	22	U	65	22
11097-69-1	Aroclor-1254	320		65	18
11096-82-5	Aroclor-1260	23	U	65	23
37324-23-5	Aroclor-1262	10	U	65	10
11100-14-4	Aroclor-1268	26	U	65	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	80		14-128
2051-24-3	DCB Decachlorobiphenyl	87		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\P110924015.D
Lims ID: 240-69767-B-6-A
Client ID: DR-SB-250-120-123
Sample Type: Client
Inject. Date: 24-Sep-2016 16:14:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058310-015
Operator ID: Instrument ID: A2HP11

Method: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\PCB11 IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 09:51:57 Calib Date: 15-Aug-2016 20:13:30
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP11\20160815-57106.b\P110815033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK050

First Level Reviewer: coastc Date: 26-Sep-2016 06:39:20

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						s
1	2.873	2.881	-0.008	516965761	0.0500	
2	3.663	3.657	0.005	206350621	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.368	4.370	-0.002	66158709	0.005779	
2	5.015	5.016	-0.001	70998061	0.0160	
					RPD = 93.97	
3 PCB-1221						
1		4.620			ND	
1		4.797				
1		4.844				
2		5.441				
2		5.627				
2		5.705				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.845			ND	
1		5.280				
1		5.837				
1		5.996				
1		6.295				
2		5.705				
2		6.237				
2		6.808				
2		6.975				
2		7.234				
5 PCB-1242						
1		4.845			ND	
1		5.279				
1		5.838				
1		5.996				
1		6.295				
2		5.704				
2		6.235				
2		6.807				
2		6.974				
2		7.551				
6 PCB-1016						
1		4.847			ND	
1		5.280				
1		5.840				
1		6.070				
1		6.490				
2		5.705				
2		6.236				
2		6.807				
2		6.975				
2		7.551				
7 PCB-1248						
1		5.278			ND	
1		5.836				
1		6.489				
1		6.995				
1		7.710				
2		6.235				
2		6.803				
2		7.550				
2		8.061				
2		8.827				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						M
1	6.942	6.941	0.001	33020582	0.0842	M
1	7.253	7.255	-0.002	54189977	0.0967	M
1	7.708	7.709	-0.001	64965201	0.0825	M
1	8.031	8.035	-0.004	55978425	0.0887	M
1	8.565	8.570	-0.005	70464806	0.0850	
		Average of Peak Amounts =			0.0874	
2	0.000	8.056	-8.056	0	0	
2	8.291	8.291	0.000	45521126	0.2577	M
2	8.827	8.826	0.001	64028608	0.2324	M
2	9.096	9.097	-0.001	47421265	0.2421	M
2	9.717	9.717	0.000	65506527	0.2423	M
		Average of Peak Amounts =			0.2436	
					RPD = 94.38	
10 PCB-1260						M
1		7.925			ND	
1		8.251				
1		8.567				
1		9.344				
1		9.660				
2		9.056				
2		9.305				
2		9.715				
2		10.452				
2		10.834				
9 PCB-1262						
1		8.253			ND	
1		8.705				
1		8.982				
1		9.345				
1		9.707				
2		9.307				
2		9.824				
2		10.166				
2		10.453				
2		10.832				
11 PCB-1268						
1		9.705			ND	
1		9.748				
1		9.968				
1		10.372				
1		10.674				
2		10.828				
2		10.875				
2		11.125				
2		11.405				
2		11.705				
$ 12 DCB Decachlorobiphenyl						
1	10.869	10.865	0.004	178008363	0.0149	
2	11.936	11.933	0.003	63212034	0.0174	
					RPD = 15.55	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

SGPCBISTD_00005	Amount Added:	5.00	Units: uL	Run Reagent

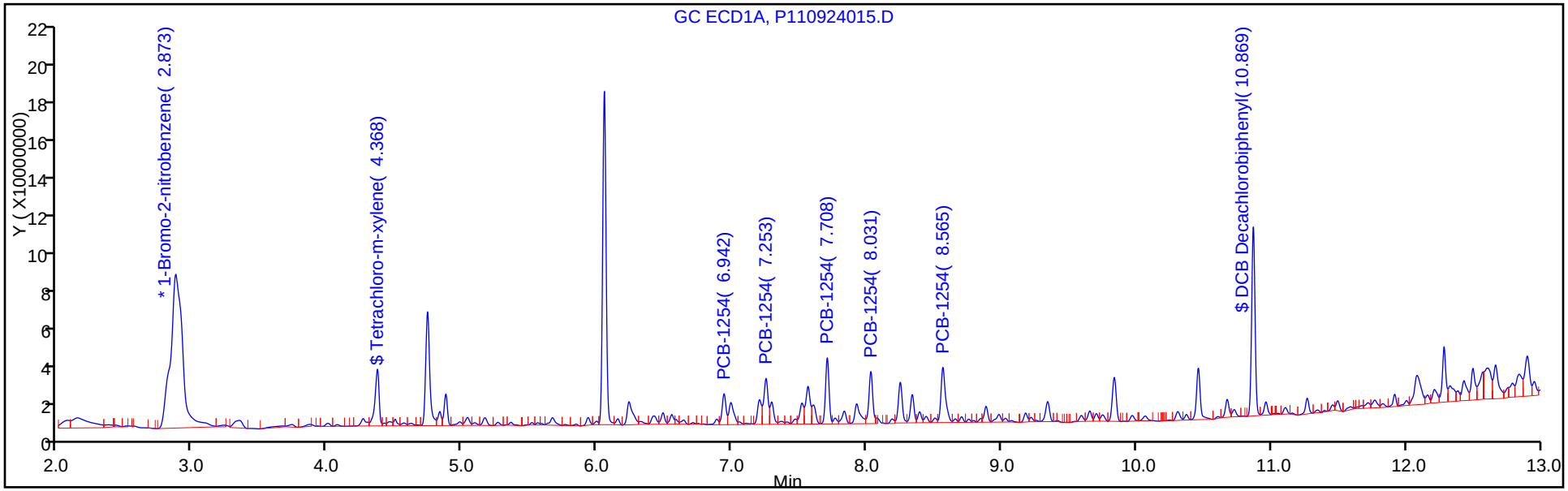
Report Date: 26-Sep-2016 09:52:32 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

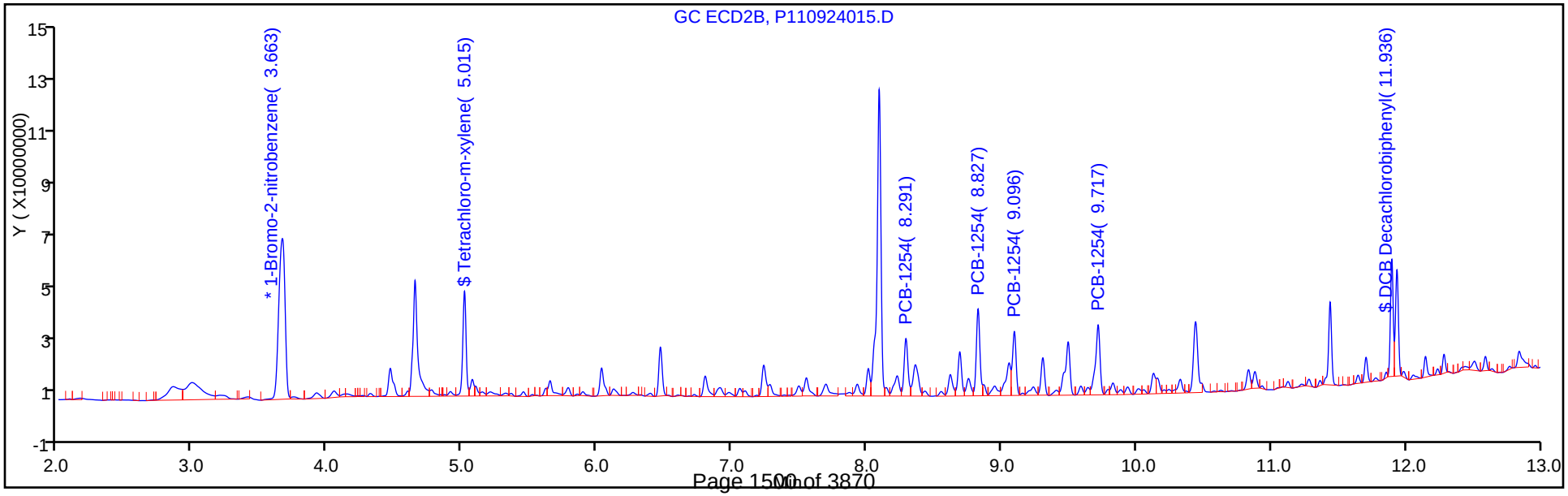
Data File: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\P110924015.D

Injection Date:	24-Sep-2016 16:14:30	Instrument ID:	A2HP11	Operator ID:	
Lims ID:	240-69767-B-6-A	Lab Sample ID:	240-69767-6	Worklist Smp#:	15
Client ID:	DR-SB-250-120-123				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	PCB11 IS	Limit Group:	GC 8082A and DoD IS		

User Set Y Scaling: User entered sample plot scaling



User Set Y Scaling: User entered sample plot scaling



Report Date: 26-Sep-2016 09:52:33 Chrom Revision: 2.2 08-Sep-2016 14:45:52

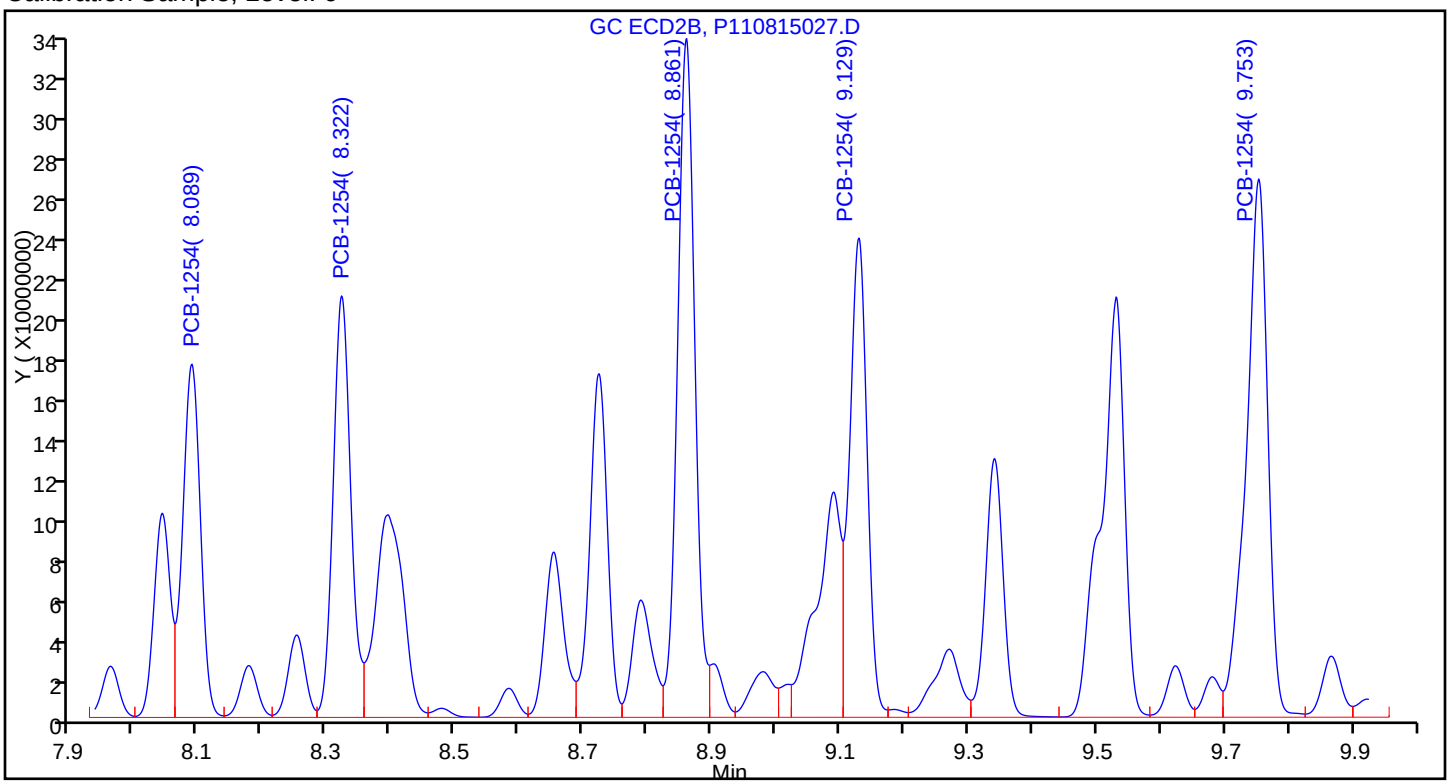
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\P110924015.D

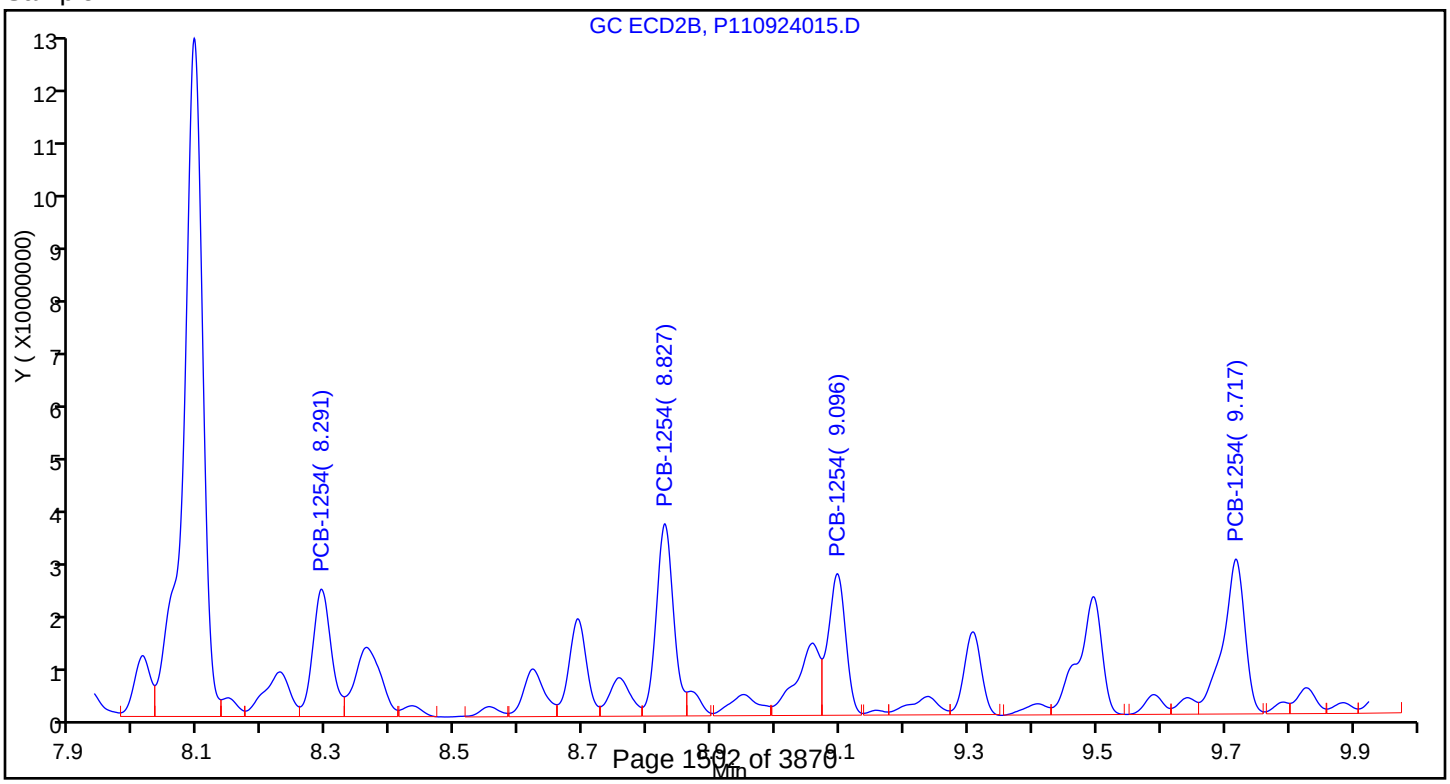
Injection Date:	24-Sep-2016 16:14:30	Instrument ID:	A2HP11		
Lims ID:	240-69767-B-6-A	Lab Sample ID:	240-69767-6		
Client ID:	DR-SB-250-120-123				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB11 IS	Limit Group:	GC 8082A and DoD IS		
Column:		Detector	GC ecd2b		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



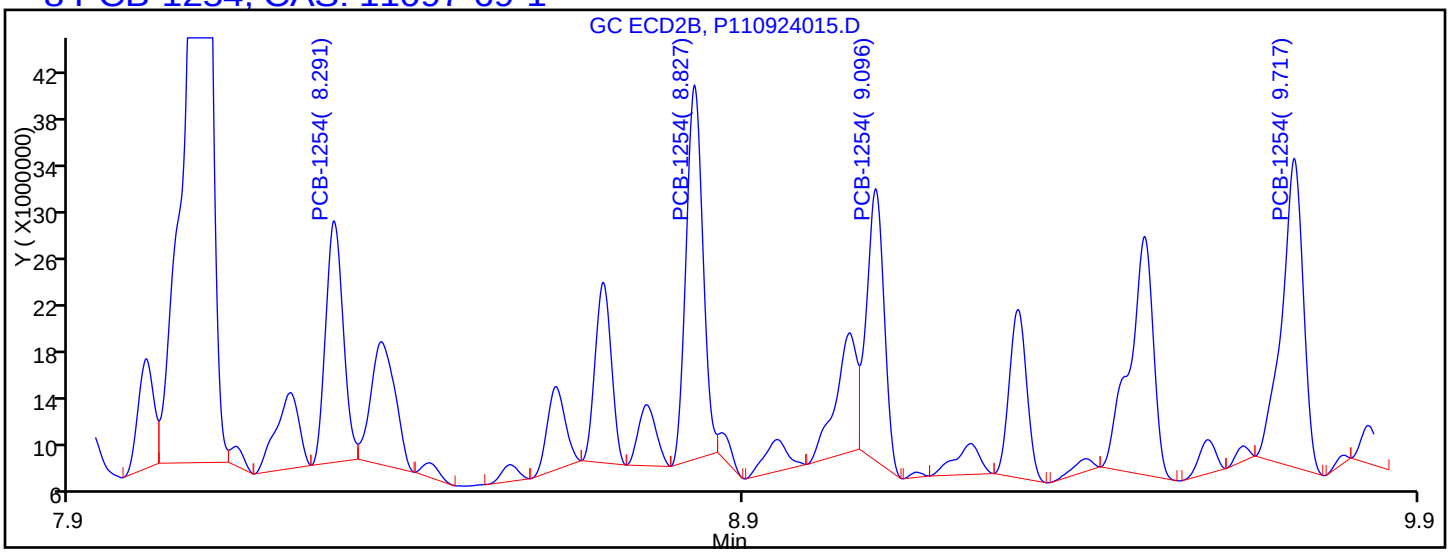
Report Date: 26-Sep-2016 09:52:33 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\P110924015.D

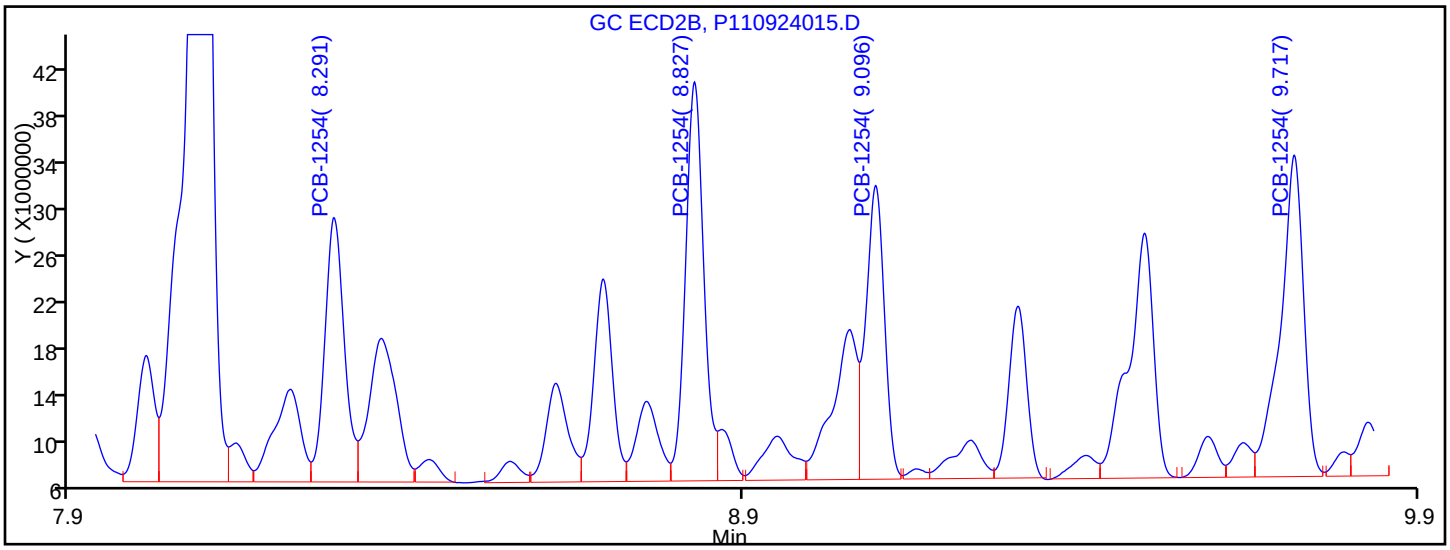
Injection Date:	24-Sep-2016 16:14:30	Instrument ID:	A2HP11		
Lims ID:	240-69767-B-6-A	Lab Sample ID:	240-69767-6		
Client ID:	DR-SB-250-120-123				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB11 IS	Limit Group:	GC 8082A and DoD IS		
Column:		Detector	GC ecd2b		

8 PCB-1254, CAS: 11097-69-1



Processing Integration Results

8.056	Response = 0
8.291	Response = 37335689
8.827	Response = 55303100
9.096	Response = 41595193
9.717	Response = 58214958



Manual Integration Results

8.056	Response = 0	
8.291	Response = 45521126	M
8.827	Response = 64028608	M
9.096	Response = 47421265	M
9.717	Response = 65506527	M

Reviewer: coastc, 26-Sep-2016 06:39:20

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-250-144-145 | Lab Sample ID: 240-69767-7

Matrix: Solid | Lab File ID: P110924016.D

Analysis Method: 8082A | Date Collected: 09/19/2016 09:50

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:31

Sample wt/vol: 10.10(g) | Date Analyzed: 09/24/2016 16:32

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 30.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248278 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	34	U	71	34
11104-28-2	Aroclor-1221	33	U	71	33
11141-16-5	Aroclor-1232	23	U	71	23
53469-21-9	Aroclor-1242	28	U	71	28
12672-29-6	Aroclor-1248	24	U	71	24
11097-69-1	Aroclor-1254	62	J	71	20
11096-82-5	Aroclor-1260	25	U	71	25
37324-23-5	Aroclor-1262	11	U	71	11
11100-14-4	Aroclor-1268	28	U	71	28

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	60		14-128
2051-24-3	DCB Decachlorobiphenyl	70	p	10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\P110924016.D
Lims ID: 240-69767-B-7-A
Client ID: DR-SB-250-144-145
Sample Type: Client
Inject. Date: 24-Sep-2016 16:32:39 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058310-016
Operator ID: Instrument ID: A2HP11

Method: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\PCB11 IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 09:51:57 Calib Date: 15-Aug-2016 20:13:30
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP11\20160815-57106.b\P110815033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK050

First Level Reviewer: coastc Date: 26-Sep-2016 06:41:27

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.903	2.881	0.022	229367245	0.0500	
2	3.665	3.657	0.008	211573051	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.366	4.370	-0.004	56592012	0.0111	
2	5.014	5.016	-0.002	54086977	0.0119	
					RPD = 6.62	
3 PCB-1221						
1		4.620			ND	
1		4.797				
1		4.844				
2		5.441				
2		5.627				
2		5.705				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.845			ND	
1		5.280				
1		5.837				
1		5.996				
1		6.295				
2		5.705				
2		6.237				
2		6.808				
2		6.975				
2		7.234				
5 PCB-1242						
1		4.845			ND	
1		5.279				
1		5.838				
1		5.996				
1		6.295				
2		5.704				
2		6.235				
2		6.807				
2		6.974				
2		7.551				
6 PCB-1016						
1		4.847			ND	
1		5.280				
1		5.840				
1		6.070				
1		6.490				
2		5.705				
2		6.236				
2		6.807				
2		6.975				
2		7.551				
7 PCB-1248						
1		5.278			ND	
1		5.836				
1		6.489				
1		6.995				
1		7.710				
2		6.235				
2		6.803				
2		7.550				
2		8.061				
2		8.827				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	6.939	6.941	-0.002	6039423	0.0280	
1	7.248	7.255	-0.007	16054230	0.0615	
1	7.705	7.709	-0.004	16056821	0.0434	
1	8.028	8.035	-0.007	10763638	0.0354	
1	8.555	8.570	-0.015	21008740	0.0559	
		Average of Peak Amounts =			0.0448	
2	0.000	8.056	-8.056	0	0	
2	8.291	8.291	0.000	10627533	0.0533	
2	8.825	8.826	-0.001	12346089	0.0410	
2	9.093	9.097	-0.004	9534192	0.0455	
2	9.715	9.717	-0.002	10223435	0.0352	
		Average of Peak Amounts =			0.0438	
					RPD = 2.43	√
10 PCB-1260						
1		7.925			ND	
1		8.251				
1		8.567				
1		9.344				
1		9.660				
2		9.056				
2		9.305				
2		9.715				
2		10.452				
2		10.834				
9 PCB-1262						
1		8.253			ND	
1		8.705				
1		8.982				
1		9.345				
1		9.707				
2		9.307				
2		9.824				
2		10.166				
2		10.453				
2		10.832				
11 PCB-1268						
1		9.705			ND	
1		9.748				
1		9.968				
1		10.372				
1		10.674				
2		10.828				
2		10.875				
2		11.125				
2		11.405				
2		11.705				
$ 12 DCB Decachlorobiphenyl						
1	10.864	10.865	-0.001	129444563	0.0245	
2	11.932	11.933	-0.001	52308571	0.0141	
					RPD = 53.89	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

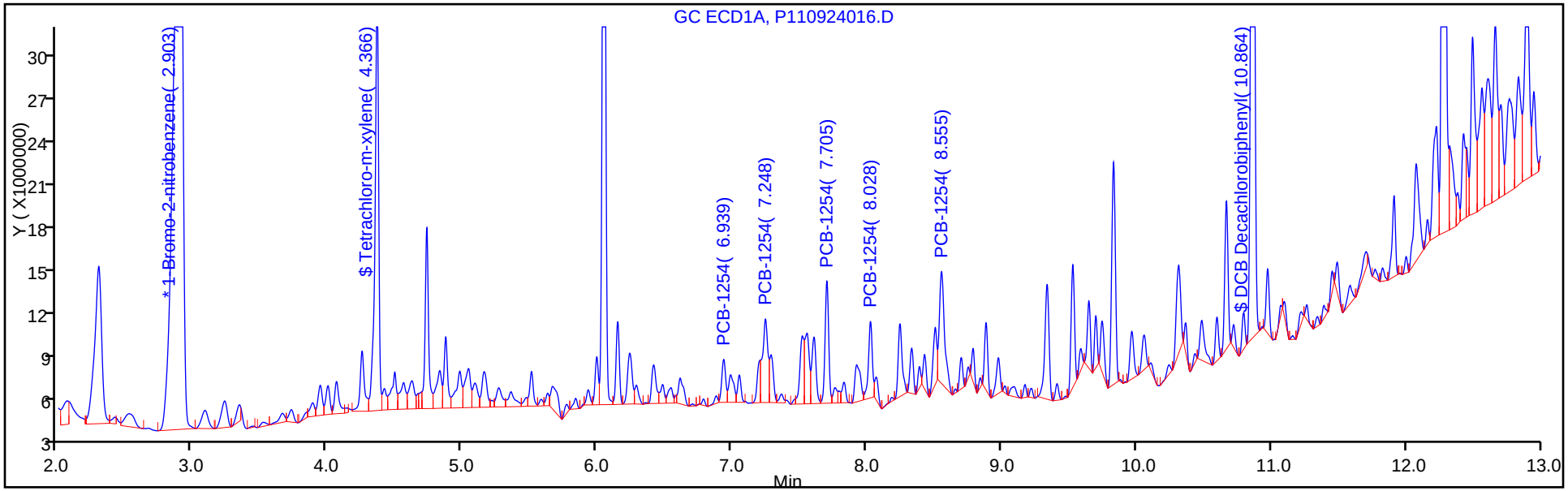
Report Date: 26-Sep-2016 09:52:36 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

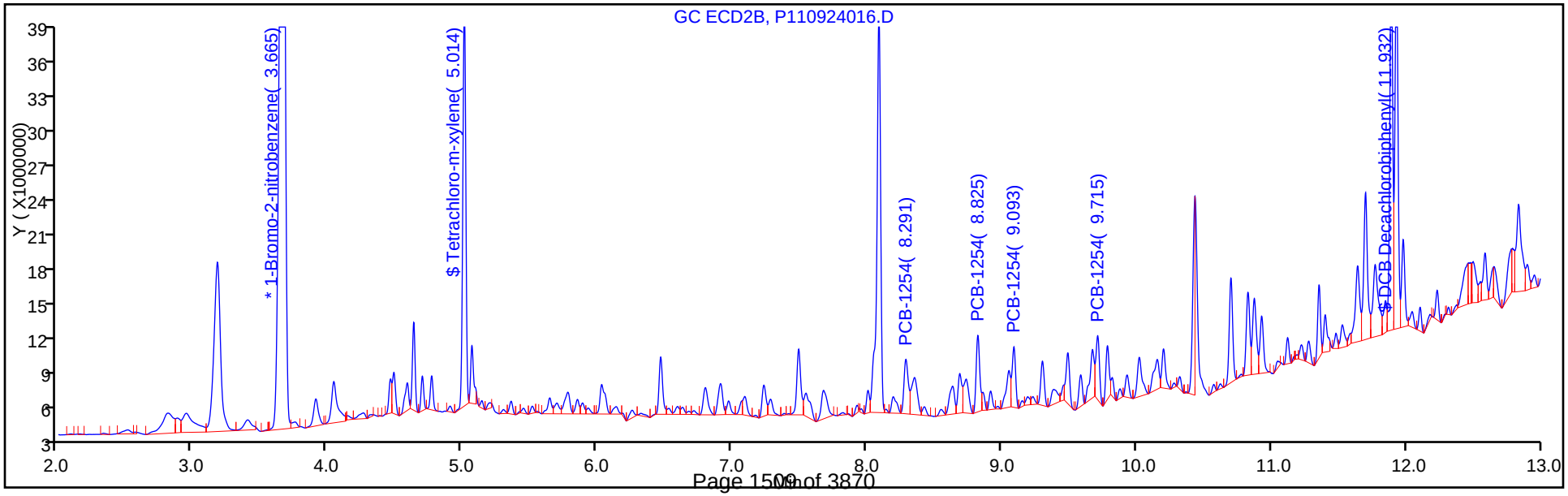
Data File: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\P110924016.D

Injection Date:	24-Sep-2016 16:32:39	Instrument ID:	A2HP11	Operator ID:	
Lims ID:	240-69767-B-7-A	Lab Sample ID:	240-69767-7	Worklist Smp#:	16
Client ID:	DR-SB-250-144-145				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	PCB11 IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 09:52:36 Chrom Revision: 2.2 08-Sep-2016 14:45:52

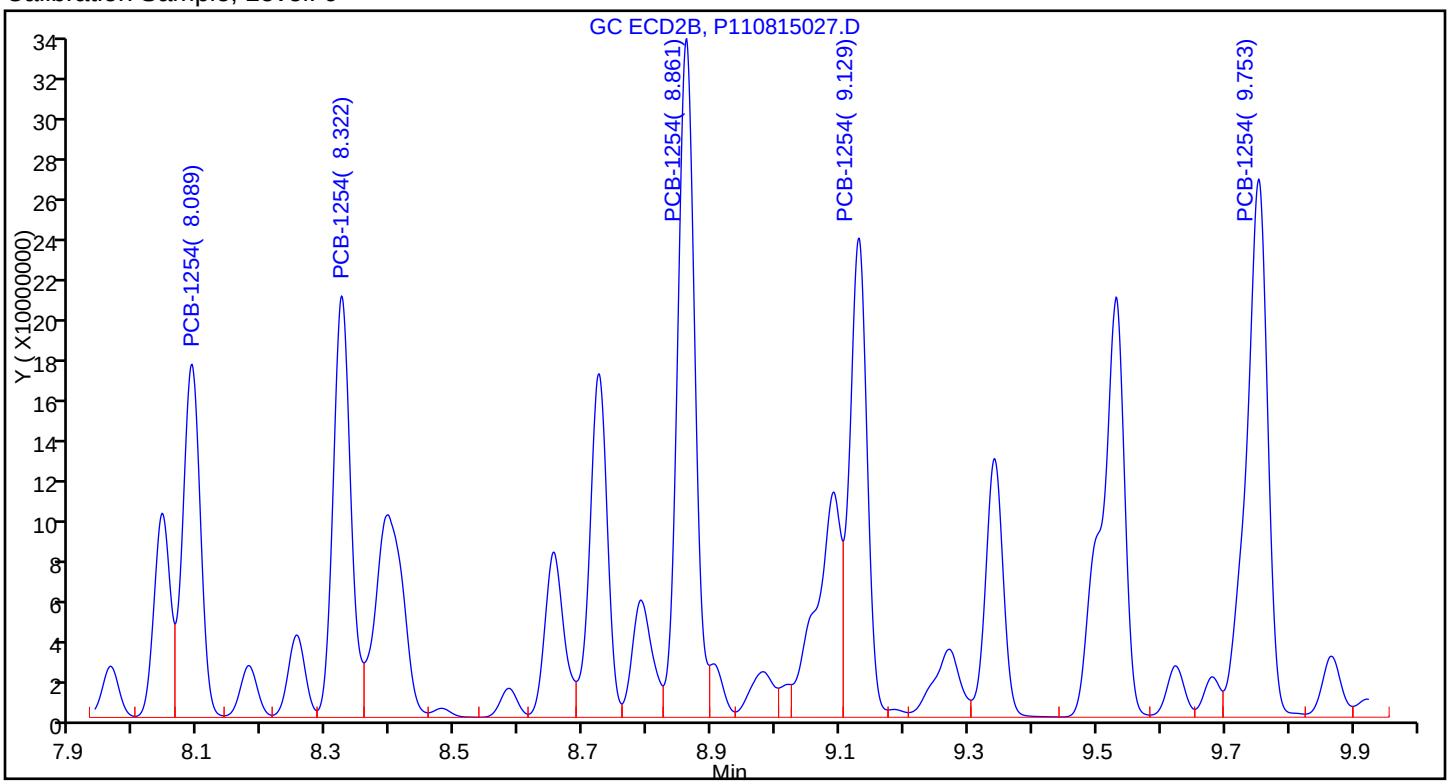
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\P110924016.D

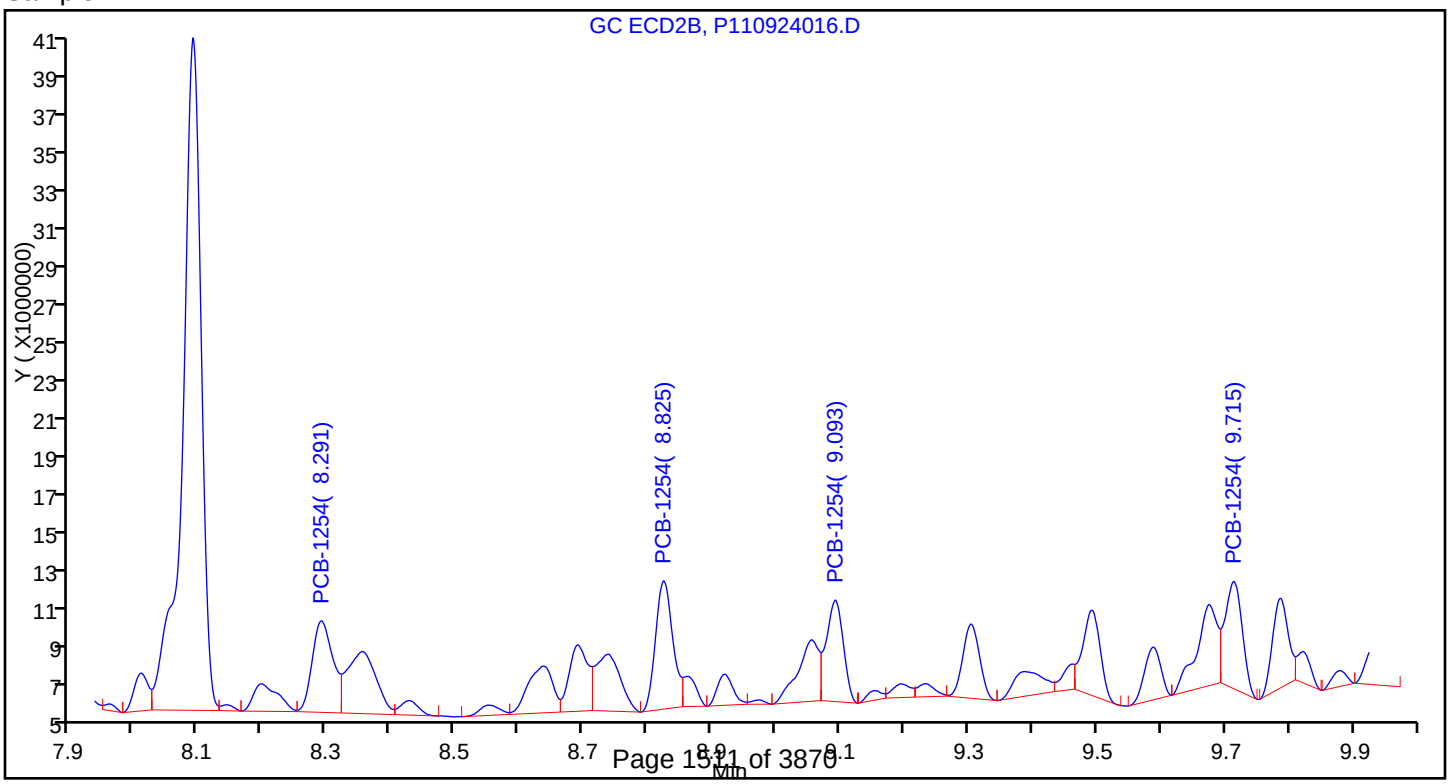
Injection Date:	24-Sep-2016 16:32:39	Instrument ID:	A2HP11		
Lims ID:	240-69767-B-7-A	Lab Sample ID:	240-69767-7		
Client ID:	DR-SB-250-144-145				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB11 IS	Limit Group:	GC 8082A and DoD IS		
Column:		Detector	GC ecd2b		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-251-24-27 | Lab Sample ID: 240-69767-9

Matrix: Solid | Lab File ID: P100924011.D

Analysis Method: 8082A | Date Collected: 09/19/2016 14:03

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.09(g) | Date Analyzed: 09/24/2016 14:57

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 14.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	28	U	58	28
11104-28-2	Aroclor-1221	27	U	58	27
11141-16-5	Aroclor-1232	18	U	58	18
53469-21-9	Aroclor-1242	23	U	58	23
12672-29-6	Aroclor-1248	20	U	58	20
11097-69-1	Aroclor-1254	17	J	58	16
11096-82-5	Aroclor-1260	21	U	58	21
37324-23-5	Aroclor-1262	9.2	U	58	9.2
11100-14-4	Aroclor-1268	23	U	58	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	74		14-128
2051-24-3	DCB Decachlorobiphenyl	61		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924011.D
Lims ID: 240-69767-B-9-A
Client ID: DR-SB-251-24-27
Sample Type: Client
Inject. Date: 24-Sep-2016 14:57:29 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058309-011
Operator ID: Instrument ID: A2HP10

Method: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\PCB10 IS.m
Limit Group: GC 8082A IS
Last Update: 26-Sep-2016 14:07:19 Calib Date: 21-Sep-2016 03:28:26
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 13:42:22

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.793	2.794	-0.001	333327332	0.0500	
2	3.366	3.356	0.011	148813553	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.095	4.092	0.003	110157324	0.0148	
2	4.681	4.679	0.002	53062566	0.0162	
					RPD = 9.39	
3 PCB-1221						
1		4.363			ND	
1		4.554				
1		4.606				
2		5.134				
2		5.330				
2		5.410				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
5 PCB-1242						
1		4.605			ND	
1		5.071				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.553				
2		6.724				
2		7.313				
4 PCB-1232						
1		4.606			ND	
1		5.071				
1		5.664				
1		5.833				
1		6.347				
2		5.410				
2		5.963				
2		6.553				
2		6.725				
2		7.314				
6 PCB-1016						
1		4.603			ND	
1		5.070				
1		5.663				
1		5.830				
1		6.345				
2		5.408				
2		5.961				
2		6.551				
2		6.723				
2		7.313				
7 PCB-1248						
1		5.078			ND	
1		5.669				
1		6.354				
1		7.141				
1		7.609				
2		5.960				
2		6.548				
2		7.314				
2		7.834				
2		8.608				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	6.808	6.813	-0.005	7119756	0.005939	
1	7.132	7.134	-0.002	6657649	0.002261	
1	0.000	7.599	0.000	0	0	
1	7.921	7.931	-0.010	10934030	0.0215	
1	8.465	8.473	-0.008	17053389	0.0307	
		Average of Peak Amounts =			0.0151	
2	0.000	7.826	0.000	0	0	
2	8.064	8.065	-0.001	4000573	0.006501	
2	0.000	8.605	0.000	0	0	
2	8.876	8.880	-0.004	5243714	0.0232	
2	9.501	9.504	-0.003	8260171	0.0227	
		Average of Peak Amounts =			0.0175	
					RPD = 14.52 ✓	
10 PCB-1260						
1		7.818			ND	
1		8.148				
1		8.469				
1		9.250				
1		9.568				
2		8.838				
2		9.093				
2		9.502				
2		10.249				
2		10.639				
9 PCB-1262						
1		7.819			ND	
1		8.608				
1		8.889				
1		9.251				
1		9.616				
2		8.838				
2		9.613				
2		9.954				
2		10.251				
2		10.638				
11 PCB-1268						
1		9.615			ND	
1		9.659				
1		9.879				
1		10.285				
1		10.589				
2		10.635				
2		10.682				
2		10.936				
2		11.222				
2		11.525				
$ 12 DCB Decachlorobiphenyl						
1	10.779	10.779	0.000	79531122	0.0122	
2	11.756	11.758	-0.002	46642321	0.0161	
					RPD = 27.74	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

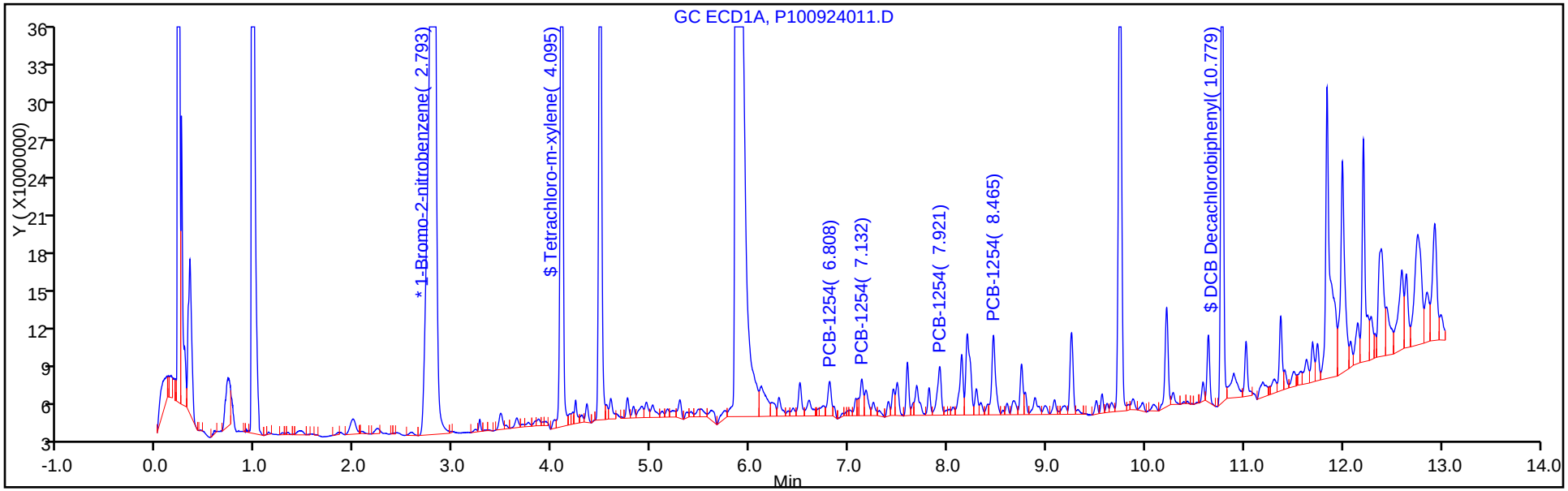
Report Date: 26-Sep-2016 14:08:25 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

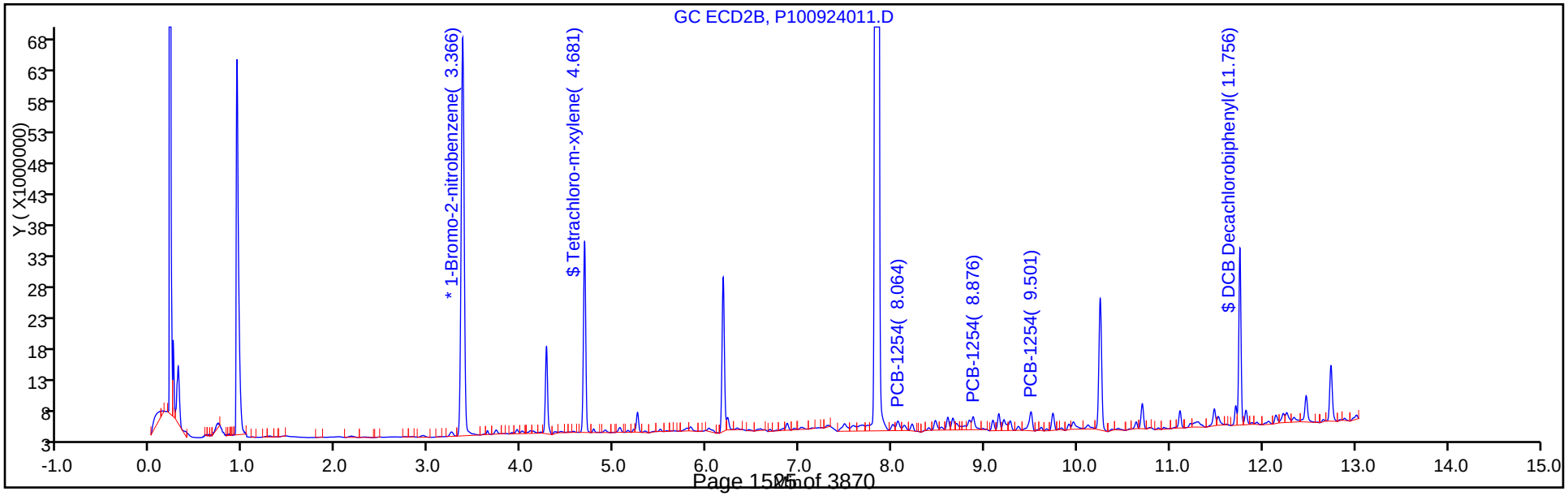
Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924011.D

Injection Date:	24-Sep-2016 14:57:29	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	240-69767-B-9-A	Lab Sample ID:	240-69767-9	Worklist Smp#:	11
Client ID:	DR-SB-251-24-27				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 14:08:26 Chrom Revision: 2.2 08-Sep-2016 14:45:52

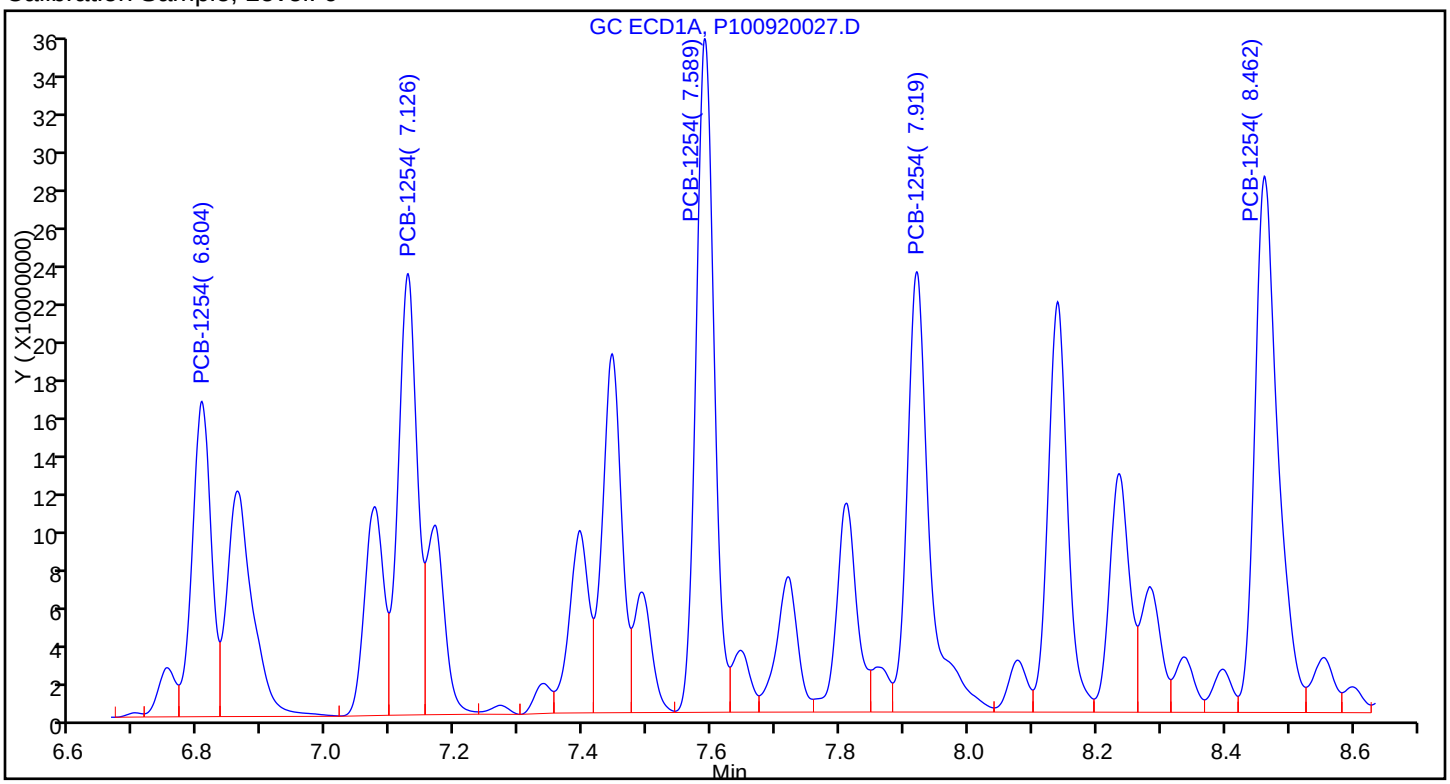
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924011.D

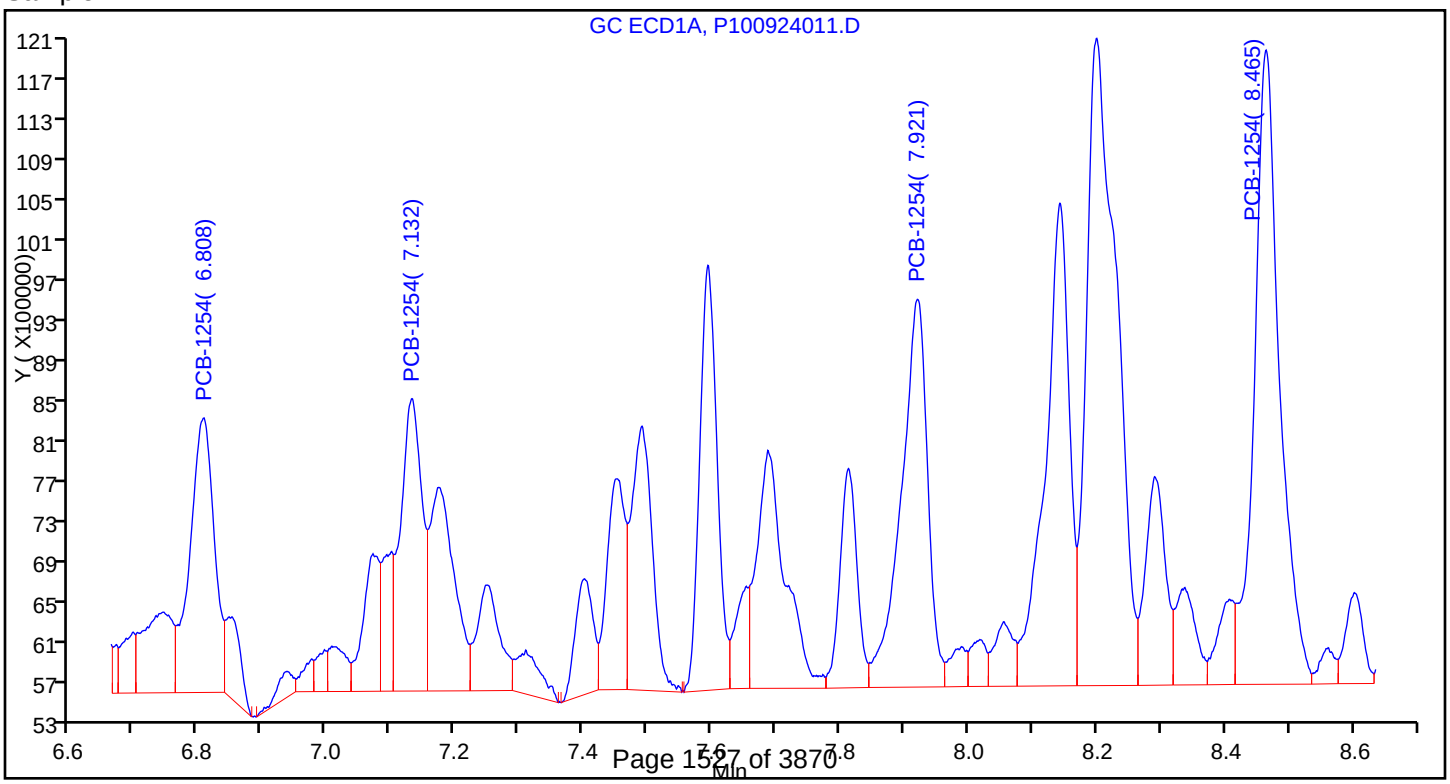
Injection Date:	24-Sep-2016 14:57:29	Instrument ID:	A2HP10		
Lims ID:	240-69767-B-9-A	Lab Sample ID:	240-69767-9		
Client ID:	DR-SB-251-24-27				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB10 IS	Limit Group:	GC 8082A IS		
Column:		Detector	GC ECD1A		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-251-120-123 | Lab Sample ID: 240-69767-13

Matrix: Solid | Lab File ID: P100924015.D

Analysis Method: 8082A | Date Collected: 09/19/2016 14:12

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.07(g) | Date Analyzed: 09/24/2016 16:13

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 25.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	32	U	67	32
11104-28-2	Aroclor-1221	31	U	67	31
11141-16-5	Aroclor-1232	21	U	67	21
53469-21-9	Aroclor-1242	27	U	67	27
12672-29-6	Aroclor-1248	23	U	67	23
11097-69-1	Aroclor-1254	61	J	67	19
11096-82-5	Aroclor-1260	24	U	67	24
37324-23-5	Aroclor-1262	11	U	67	11
11100-14-4	Aroclor-1268	27	U	67	27

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	64		14-128
2051-24-3	DCB Decachlorobiphenyl	92		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924015.D
Lims ID: 240-69767-B-13-A
Client ID: DR-SB-251-120-123
Sample Type: Client
Inject. Date: 24-Sep-2016 16:13:04 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058309-015
Operator ID: Instrument ID: A2HP10

Method: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\PCB10 IS.m
Limit Group: GC 8082A IS
Last Update: 26-Sep-2016 14:07:19 Calib Date: 21-Sep-2016 03:28:26
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 13:45:47

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.792	2.794	-0.002	200089242	0.0500	
2	3.366	3.356	0.010	114992840	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.097	4.092	0.005	57656503	0.0129	
2	4.683	4.679	0.004	31169327	0.0123	
					RPD = 4.32	
3 PCB-1221						
1		4.363			ND	
1		4.554				
1		4.606				
2		5.134				
2		5.330				
2		5.410				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
5 PCB-1242						
1		4.605			ND	
1		5.071				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.553				
2		6.724				
2		7.313				
4 PCB-1232						
1		4.606			ND	
1		5.071				
1		5.664				
1		5.833				
1		6.347				
2		5.410				
2		5.963				
2		6.553				
2		6.725				
2		7.314				
6 PCB-1016						
1		4.603			ND	
1		5.070				
1		5.663				
1		5.830				
1		6.345				
2		5.408				
2		5.961				
2		6.551				
2		6.723				
2		7.313				
7 PCB-1248						
1		5.078			ND	
1		5.669				
1		6.354				
1		7.141				
1		7.609				
2		5.960				
2		6.548				
2		7.314				
2		7.834				
2		8.608				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	6.808	6.813	-0.005	7508041	0.0335	
1	7.127	7.134	-0.007	11206179	0.0459	
1	7.591	7.599	-0.008	14064607	0.0370	
1	7.921	7.931	-0.010	15520686	0.0675	
1	8.461	8.473	-0.012	13261020	0.0431	
		Average of Peak Amounts =			0.0454	
2	7.824	7.826	-0.002	5148917	0.0259	
2	8.063	8.065	-0.002	5836240	0.0376	
2	8.602	8.605	-0.003	8712426	0.0390	
2	8.875	8.880	-0.005	5294235	0.0368	
2	9.501	9.504	-0.003	10071129	0.0514	
		Average of Peak Amounts =			0.0381	
					RPD = 17.43	√
10 PCB-1260						
1		7.818			ND	
1		8.148				
1		8.469				
1		9.250				
1		9.568				
2		8.838				
2		9.093				
2		9.502				
2		10.249				
2		10.639				
9 PCB-1262						
1		7.819			ND	
1		8.608				
1		8.889				
1		9.251				
1		9.616				
2		8.838				
2		9.613				
2		9.954				
2		10.251				
2		10.638				
11 PCB-1268						
1		9.615			ND	
1		9.659				
1		9.879				
1		10.285				
1		10.589				
2		10.635				
2		10.682				
2		10.936				
2		11.222				
2		11.525				
$ 12 DCB Decachlorobiphenyl						
1	10.781	10.779	0.002	71617637	0.0183	
2	11.759	11.758	0.001	4309068	0.001929	
					RPD = 161.87	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

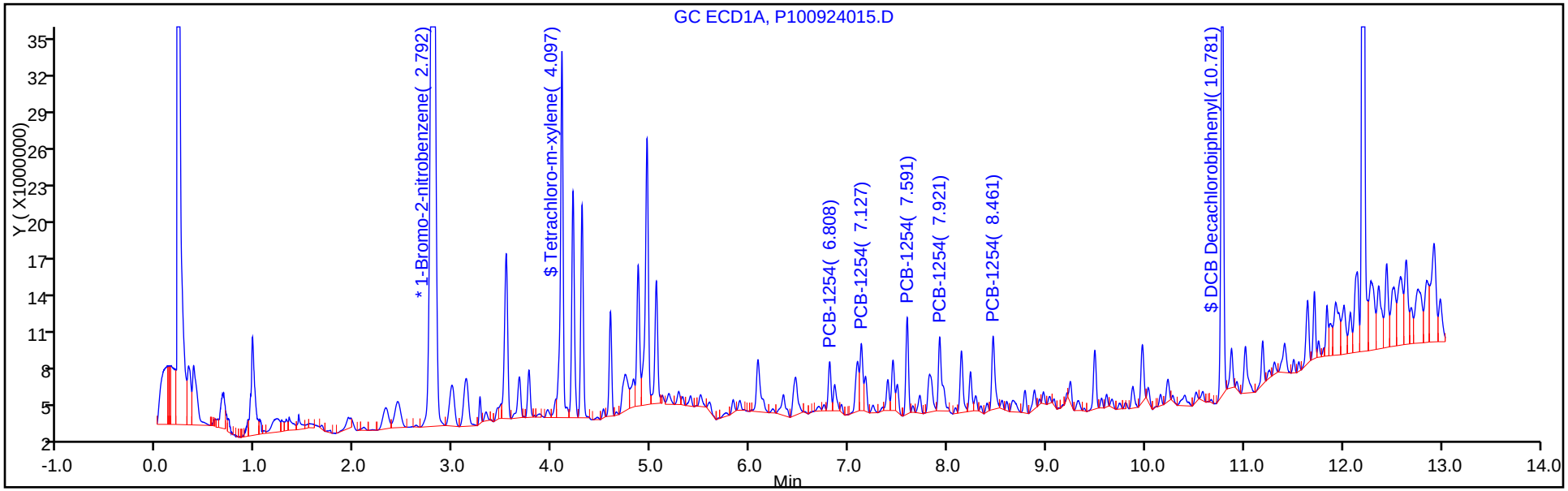
Report Date: 26-Sep-2016 14:08:13 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

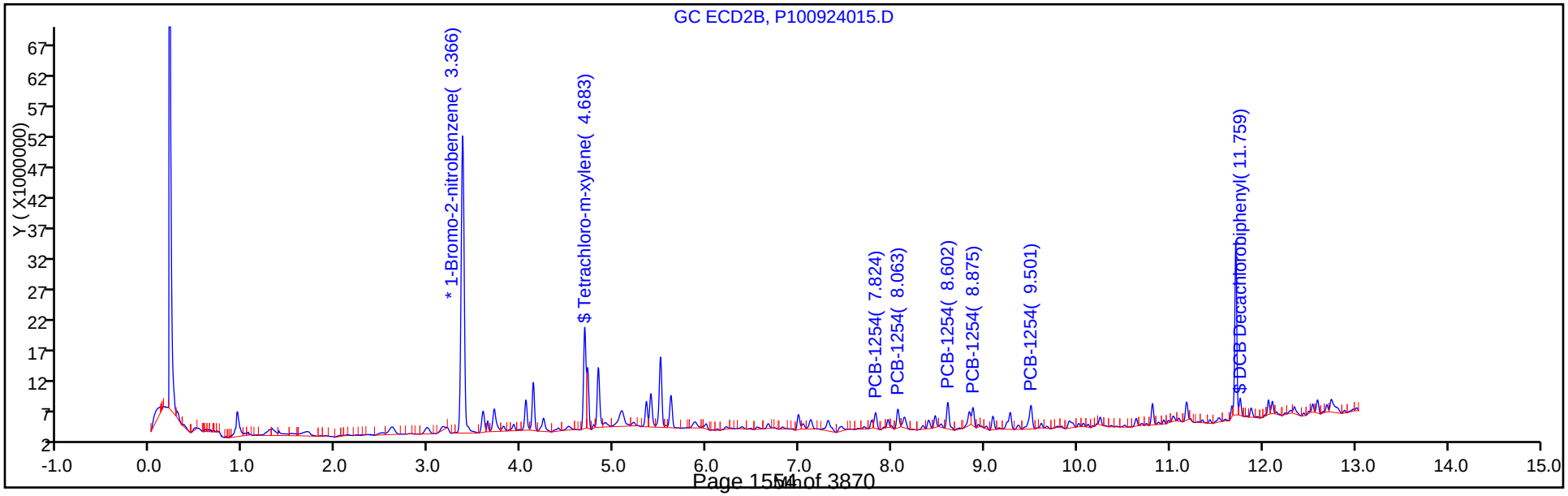
Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924015.D

Injection Date:	24-Sep-2016 16:13:04	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	240-69767-B-13-A	Lab Sample ID:	240-69767-13	Worklist Smp#:	15
Client ID:	DR-SB-251-120-123				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 14:08:14 Chrom Revision: 2.2 08-Sep-2016 14:45:52

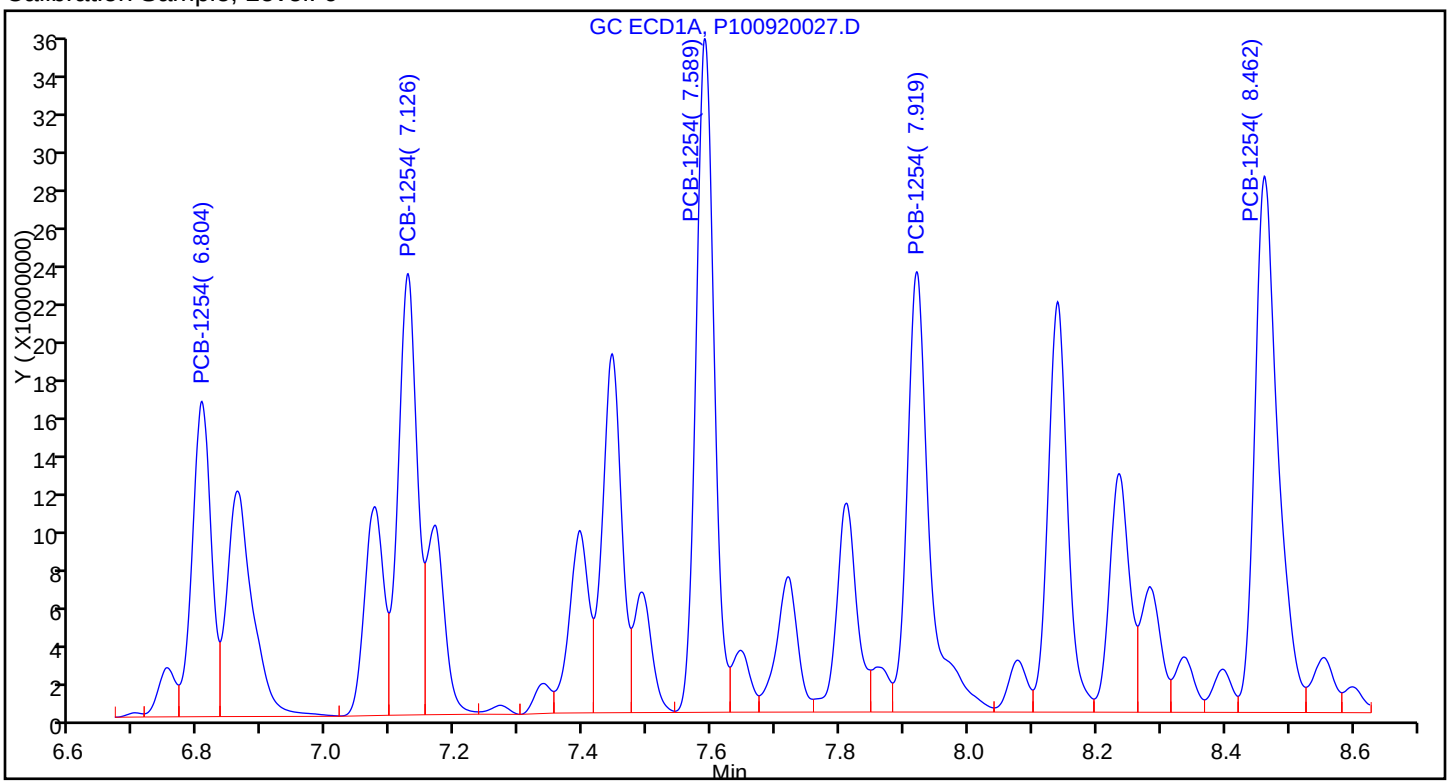
TestAmerica Canton

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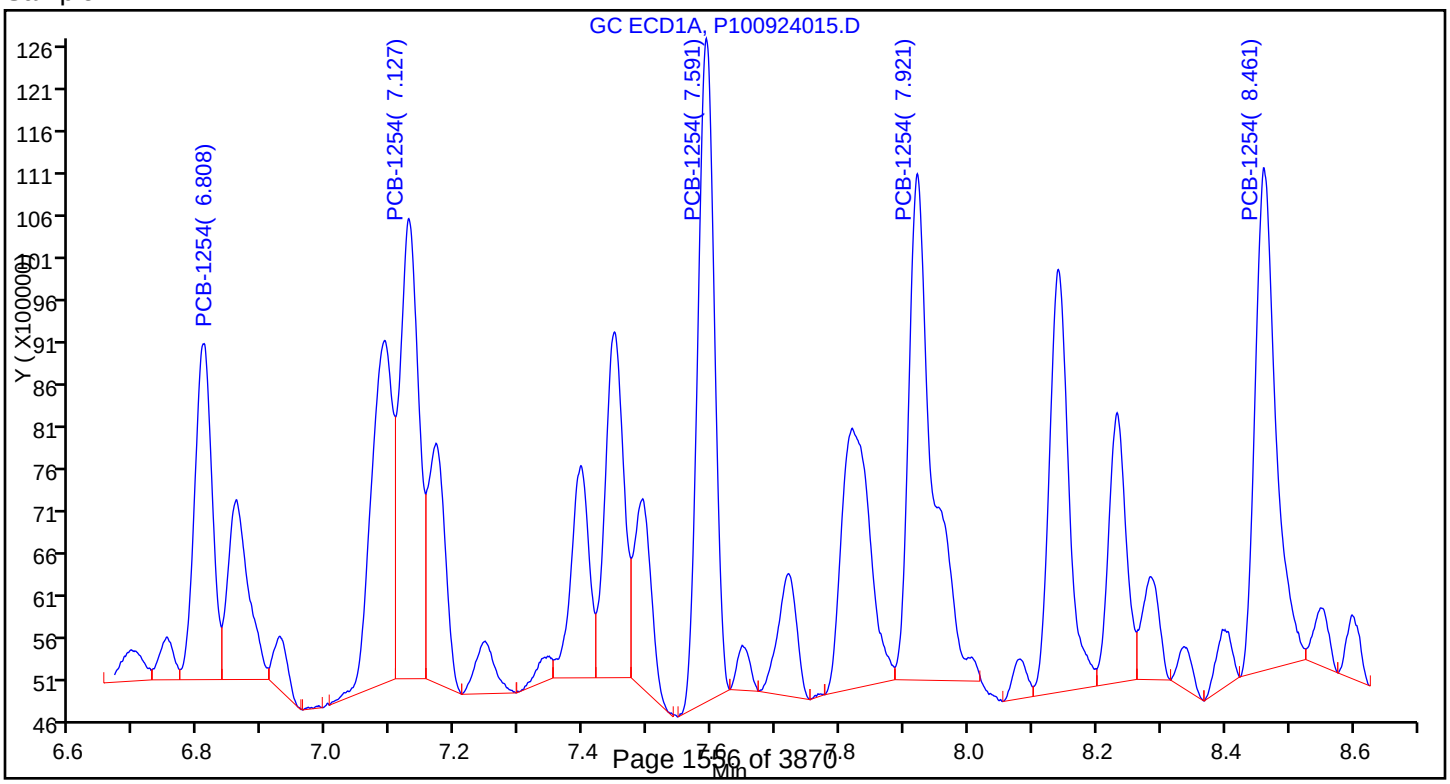
Injection Date:	24-Sep-2016 16:13:04	Instrument ID:	A2HP10
Lims ID:	240-69767-B-13-A	Lab Sample ID:	240-69767-13
Client ID:	DR-SB-251-120-123		
Operator ID:		ALS Bottle#:	15 Worklist Smp#: 15
Injection Vol:	1.0 uL	Dil. Factor:	1.0000
Method:	PCB10 IS	Limit Group:	GC 8082A IS
Column:		Detector	GC ECD1A

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-252-24-27 | Lab Sample ID: 240-69767-16

Matrix: Solid | Lab File ID: P100924018.D

Analysis Method: 8082A | Date Collected: 09/20/2016 09:51

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.08(g) | Date Analyzed: 09/24/2016 17:09

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 10.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	55	27
11104-28-2	Aroclor-1221	25	U	55	25
11141-16-5	Aroclor-1232	18	U	55	18
53469-21-9	Aroclor-1242	22	U	55	22
12672-29-6	Aroclor-1248	19	U	55	19
11097-69-1	Aroclor-1254	130		55	15
11096-82-5	Aroclor-1260	20	U	55	20
37324-23-5	Aroclor-1262	8.8	U	55	8.8
11100-14-4	Aroclor-1268	22	U	55	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	66		14-128
2051-24-3	DCB Decachlorobiphenyl	160	X	10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924018.D
Lims ID: 240-69767-B-16-A
Client ID: DR-SB-252-24-27
Sample Type: Client
Inject. Date: 24-Sep-2016 17:09:43 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058309-018
Operator ID: Instrument ID: A2HP10

Method: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\PCB10 IS.m
Limit Group: GC 8082A IS
Last Update: 26-Sep-2016 14:07:19 Calib Date: 21-Sep-2016 03:28:26
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 13:48:14

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.796	2.794	0.002	283485083	0.0500	
2	3.368	3.356	0.012	153699702	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.096	4.092	0.004	83368634	0.0131	
2	4.683	4.679	0.004	44555911	0.0132	
					RPD = 0.36	
3 PCB-1221						
1		4.363			ND	
1		4.554				
1		4.606				
2		5.134				
2		5.330				
2		5.410				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
5 PCB-1242						
1		4.605			ND	
1		5.071				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.553				
2		6.724				
2		7.313				
4 PCB-1232						
1		4.606			ND	
1		5.071				
1		5.664				
1		5.833				
1		6.347				
2		5.410				
2		5.963				
2		6.553				
2		6.725				
2		7.314				
6 PCB-1016						
1		4.603			ND	
1		5.070				
1		5.663				
1		5.830				
1		6.345				
2		5.408				
2		5.961				
2		6.551				
2		6.723				
2		7.313				
7 PCB-1248						
1		5.078			ND	
1		5.669				
1		6.354				
1		7.141				
1		7.609				
2		5.960				
2		6.548				
2		7.314				
2		7.834				
2		8.608				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	6.806	6.813	-0.007	23626846	0.1118	
1	7.130	7.134	-0.004	23853726	0.0800	
1	7.591	7.599	-0.008	40807597	0.0997	
1	7.919	7.931	-0.012	38935494	0.1289	
1	8.461	8.473	-0.012	57310859	0.1548	
		Average of Peak Amounts =			0.1150	
2	7.823	7.826	-0.003	11554676	0.0697	
2	8.062	8.065	-0.003	14353038	0.0930	
2	8.602	8.605	-0.003	15605176	0.0604	
2	8.874	8.880	-0.006	9931771	0.0602	
2	9.499	9.504	-0.005	28655580	0.1396	
		Average of Peak Amounts =			0.0846	
					RPD = 30.51	✓
10 PCB-1260						
1		7.818			ND	
1		8.148				
1		8.469				
1		9.250				
1		9.568				
2		8.838				
2		9.093				
2		9.502				
2		10.249				
2		10.639				
9 PCB-1262						
1		7.819			ND	
1		8.608				
1		8.889				
1		9.251				
1		9.616				
2		8.838				
2		9.613				
2		9.954				
2		10.251				
2		10.638				
11 PCB-1268						
1		9.615			ND	
1		9.659				
1		9.879				
1		10.285				
1		10.589				
2		10.635				
2		10.682				
2		10.936				
2		11.222				
2		11.525				
$ 12 DCB Decachlorobiphenyl						
1	10.778	10.779	-0.001	176923048	0.0319	
2	11.756	11.758	-0.002	46916347	0.0157	
					RPD = 68.05	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

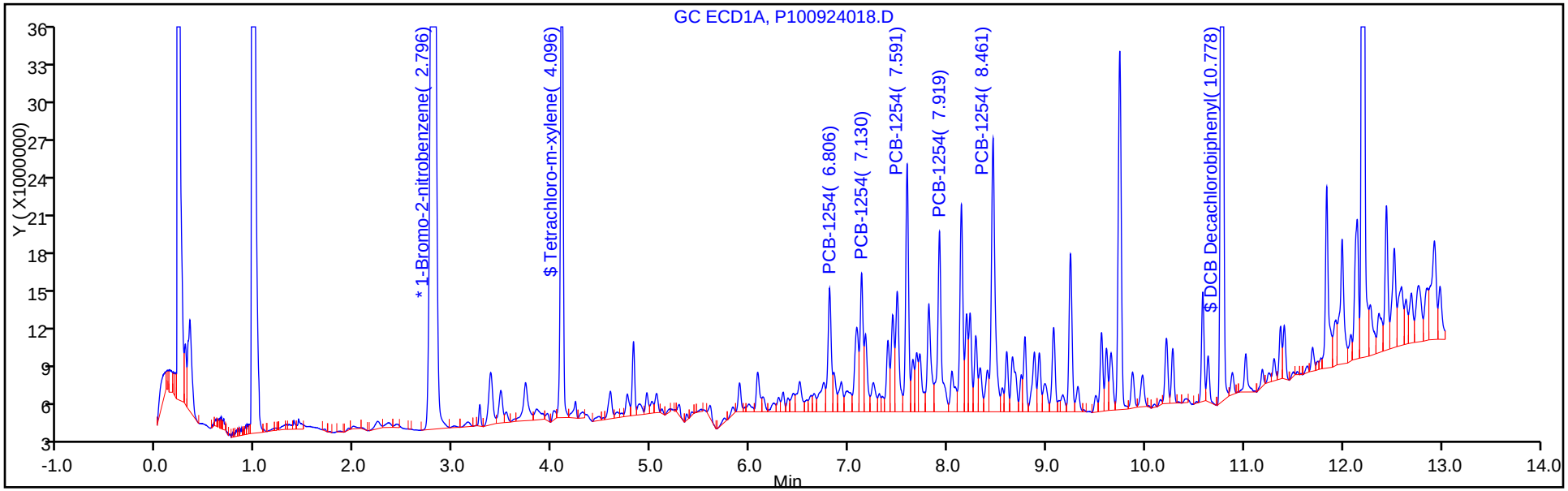
Report Date: 26-Sep-2016 14:08:04 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

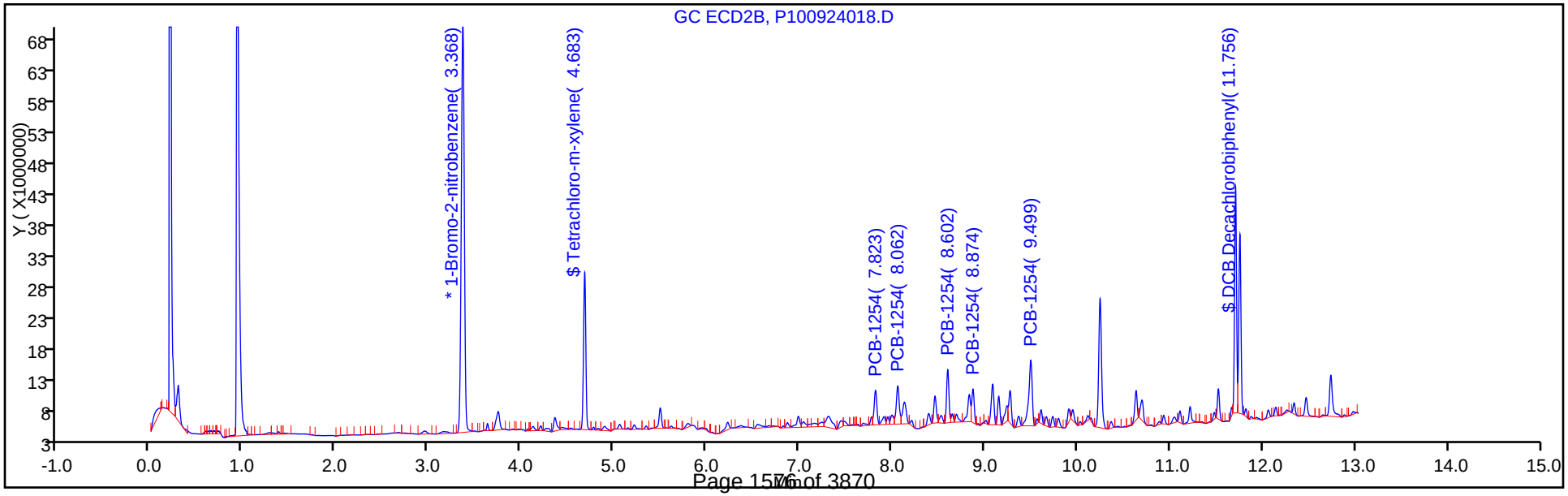
Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924018.D

Injection Date:	24-Sep-2016 17:09:43	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	240-69767-B-16-A	Lab Sample ID:	240-69767-16	Worklist Smp#:	18
Client ID:	DR-SB-252-24-27				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 14:08:04 Chrom Revision: 2.2 08-Sep-2016 14:45:52

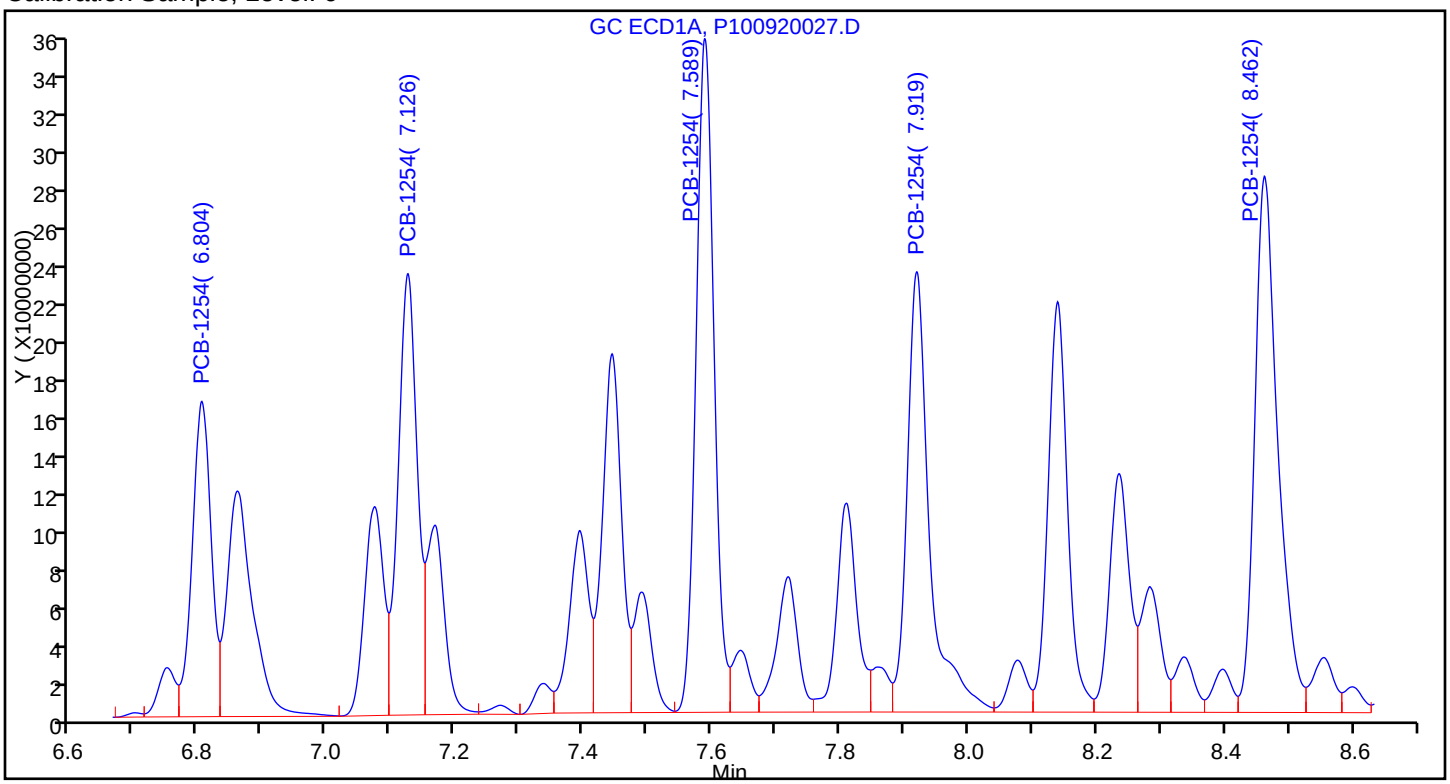
TestAmerica Canton

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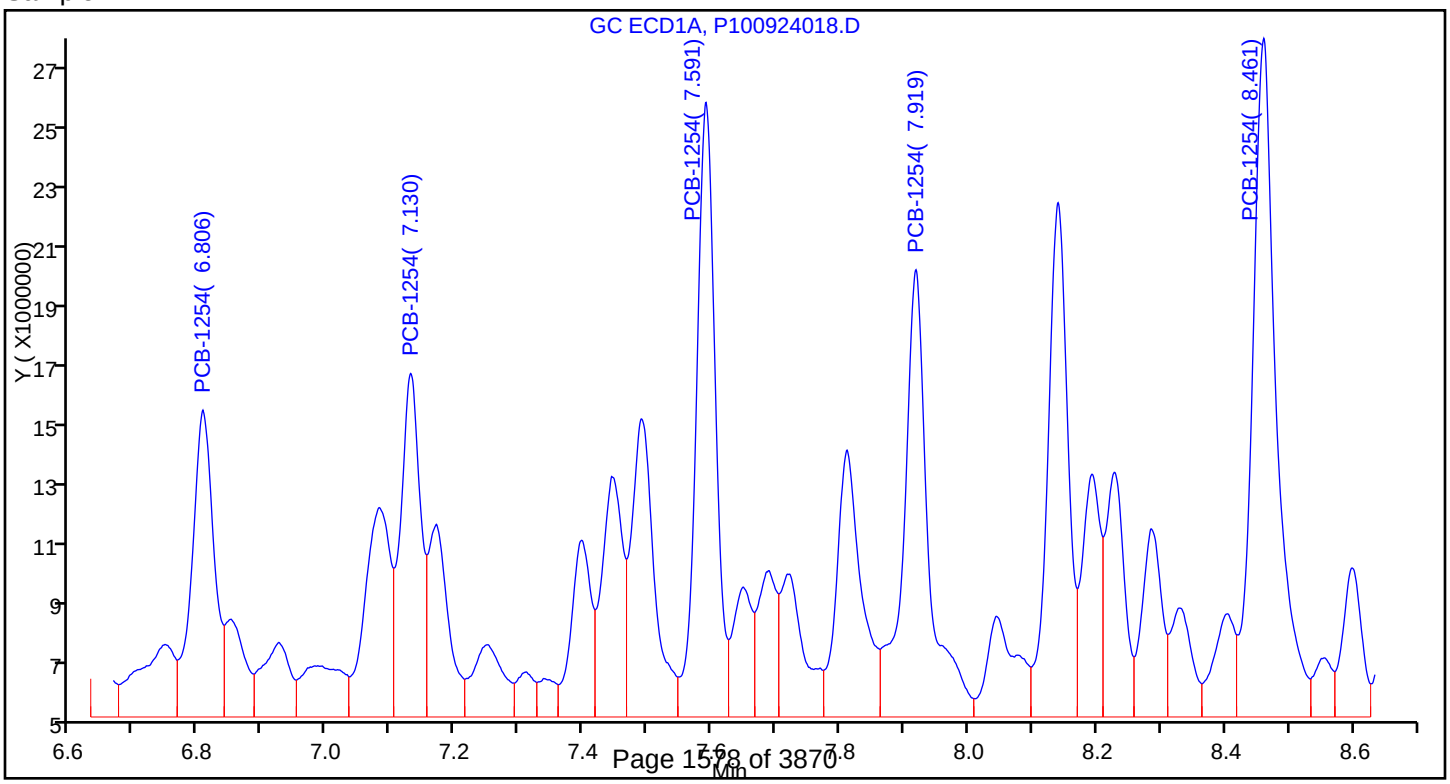
Injection Date:	24-Sep-2016 17:09:43	Instrument ID:	A2HP10		
Lims ID:	240-69767-B-16-A	Lab Sample ID:	240-69767-16		
Client ID:	DR-SB-252-24-27				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB10 IS	Limit Group:	GC 8082A IS		
Column:		Detector	GC ECD1A		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-252-48-51 | Lab Sample ID: 240-69767-17

Matrix: Solid | Lab File ID: P100924019.D

Analysis Method: 8082A | Date Collected: 09/20/2016 09:52

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.12(g) | Date Analyzed: 09/24/2016 17:28

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 14.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	28	U	58	28
11104-28-2	Aroclor-1221	27	U	58	27
11141-16-5	Aroclor-1232	18	U	58	18
53469-21-9	Aroclor-1242	23	U	58	23
12672-29-6	Aroclor-1248	20	U	58	20
11097-69-1	Aroclor-1254	40	J	58	16
11096-82-5	Aroclor-1260	21	U	58	21
37324-23-5	Aroclor-1262	9.2	U	58	9.2
11100-14-4	Aroclor-1268	23	U	58	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	66		14-128
2051-24-3	DCB Decachlorobiphenyl	50		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924019.D
Lims ID: 240-69767-B-17-A
Client ID: DR-SB-252-48-51
Sample Type: Client
Inject. Date: 24-Sep-2016 17:28:33 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058309-019
Operator ID: Instrument ID: A2HP10

Method: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\PCB10 IS.m
Limit Group: GC 8082A IS
Last Update: 26-Sep-2016 14:07:19 Calib Date: 21-Sep-2016 03:28:26
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 13:49:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.797	2.794	0.003	279436192	0.0500	
2	3.369	3.356	0.013	152914768	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.097	4.092	0.005	82462177	0.0132	
2	4.683	4.679	0.004	44491568	0.0132	
					RPD = 0.38	
3 PCB-1221						
1		4.363			ND	
1		4.554				
1		4.606				
2		5.134				
2		5.330				
2		5.410				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
5 PCB-1242						
1		4.605			ND	
1		5.071				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.553				
2		6.724				
2		7.313				
4 PCB-1232						
1		4.606			ND	
1		5.071				
1		5.664				
1		5.833				
1		6.347				
2		5.410				
2		5.963				
2		6.553				
2		6.725				
2		7.314				
6 PCB-1016						
1		4.603			ND	
1		5.070				
1		5.663				
1		5.830				
1		6.345				
2		5.408				
2		5.961				
2		6.551				
2		6.723				
2		7.313				
7 PCB-1248						
1		5.078			ND	
1		5.669				
1		6.354				
1		7.141				
1		7.609				
2		5.960				
2		6.548				
2		7.314				
2		7.834				
2		8.608				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	6.809	6.813	-0.004	11060484	0.0370	
1	7.132	7.134	-0.002	11346633	0.0273	
1	7.595	7.599	-0.004	14800772	0.0222	
1	7.923	7.931	-0.008	15919240	0.0463	
1	8.466	8.473	-0.007	18031384	0.0417	
		Average of Peak Amounts =			0.0349	
2	7.824	7.826	-0.002	5192512	0.0103	
2	8.065	8.065	0.000	6448326	0.0264	
2	0.000	8.605	0.000	0	0	
2	0.000	8.880	0.000	0	0	
2	9.501	9.504	-0.003	7888282	0.0192	
		Average of Peak Amounts =			0.0186	
					RPD = 60.75	
10 PCB-1260						
1		7.818			ND	
1		8.148				
1		8.469				
1		9.250				
1		9.568				
2		8.838				
2		9.093				
2		9.502				
2		10.249				
2		10.639				
9 PCB-1262						
1		7.819			ND	
1		8.608				
1		8.889				
1		9.251				
1		9.616				
2		8.838				
2		9.613				
2		9.954				
2		10.251				
2		10.638				
11 PCB-1268						
1		9.615			ND	
1		9.659				
1		9.879				
1		10.285				
1		10.589				
2		10.635				
2		10.682				
2		10.936				
2		11.222				
2		11.525				
$ 12 DCB Decachlorobiphenyl						
1	10.777	10.779	-0.002	54476322	0.0100	
2	11.757	11.758	-0.001	33755995	0.0114	
					RPD = 13.05	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

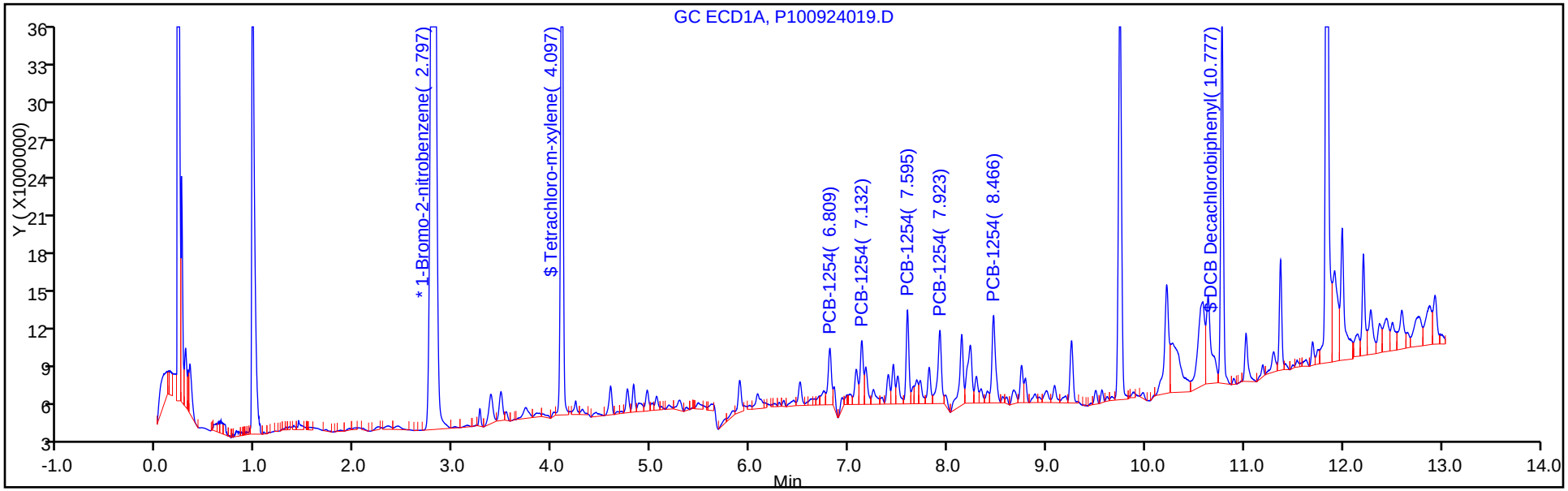
Report Date: 26-Sep-2016 14:08:01 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

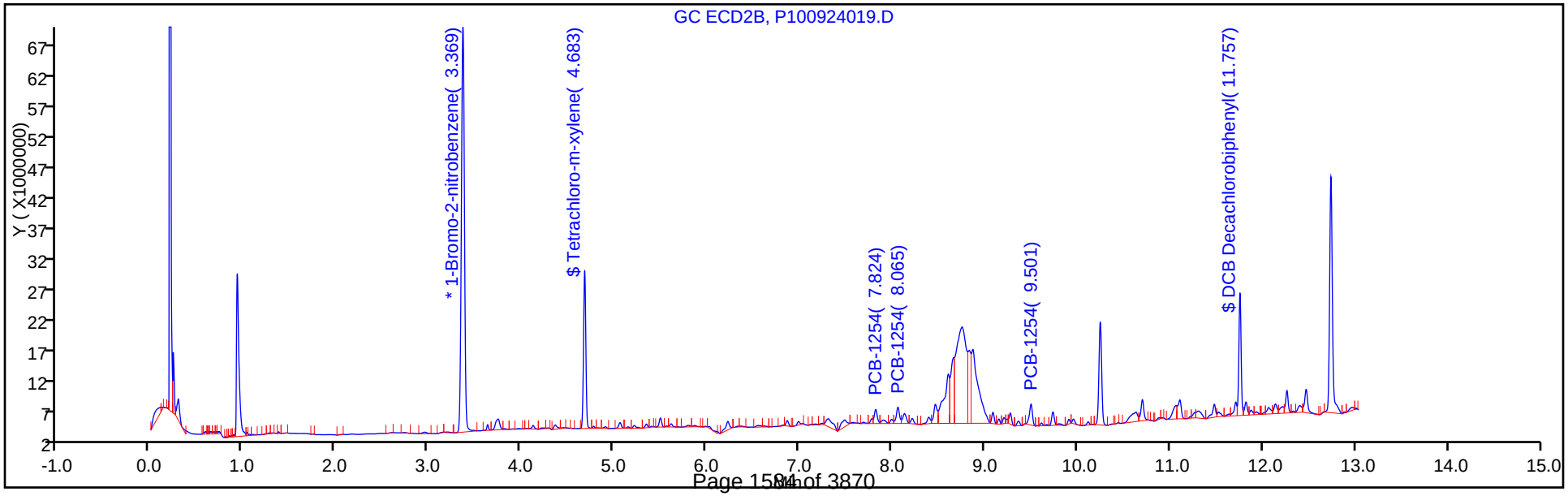
Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924019.D

Injection Date:	24-Sep-2016 17:28:33	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	240-69767-B-17-A	Lab Sample ID:	240-69767-17	Worklist Smp#:	19
Client ID:	DR-SB-252-48-51				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 14:08:01 Chrom Revision: 2.2 08-Sep-2016 14:45:52

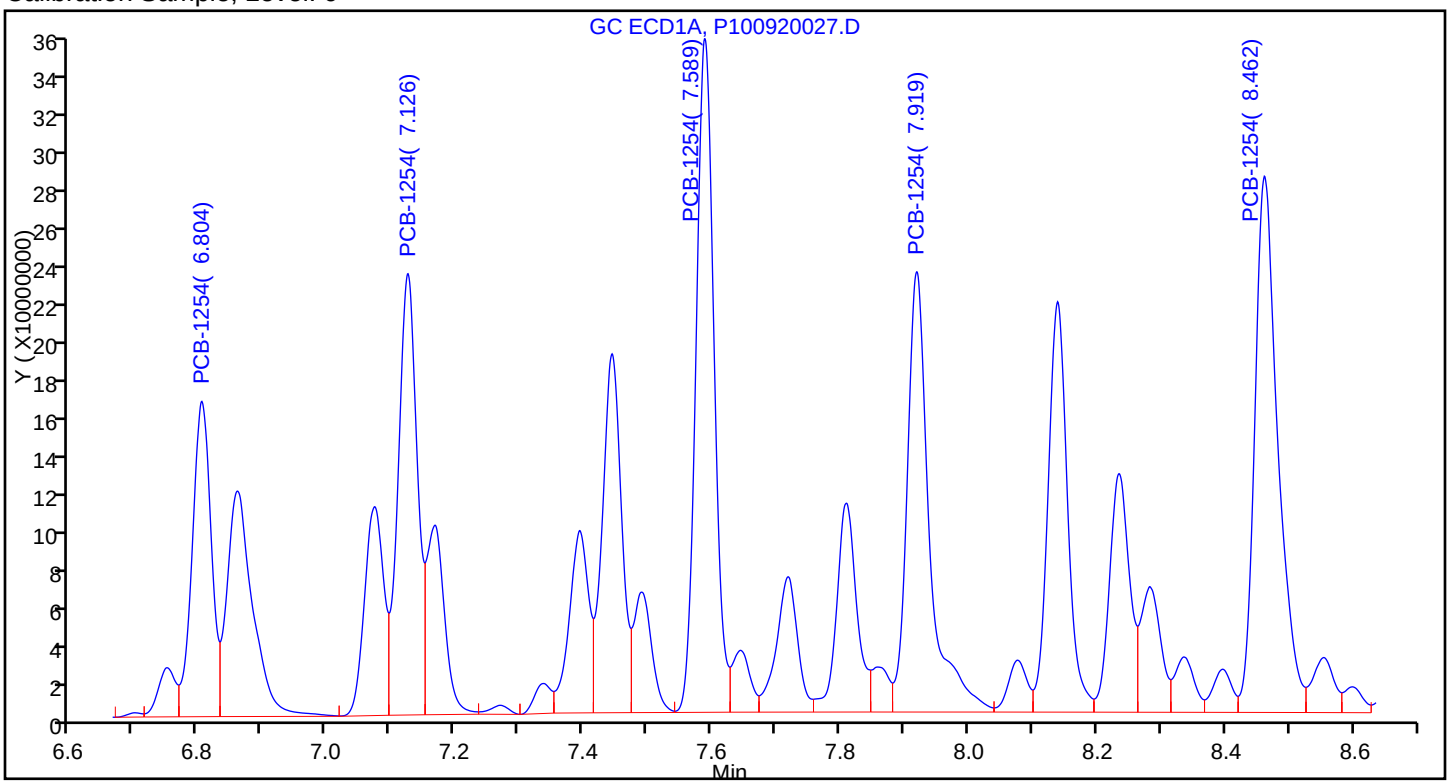
TestAmerica Canton

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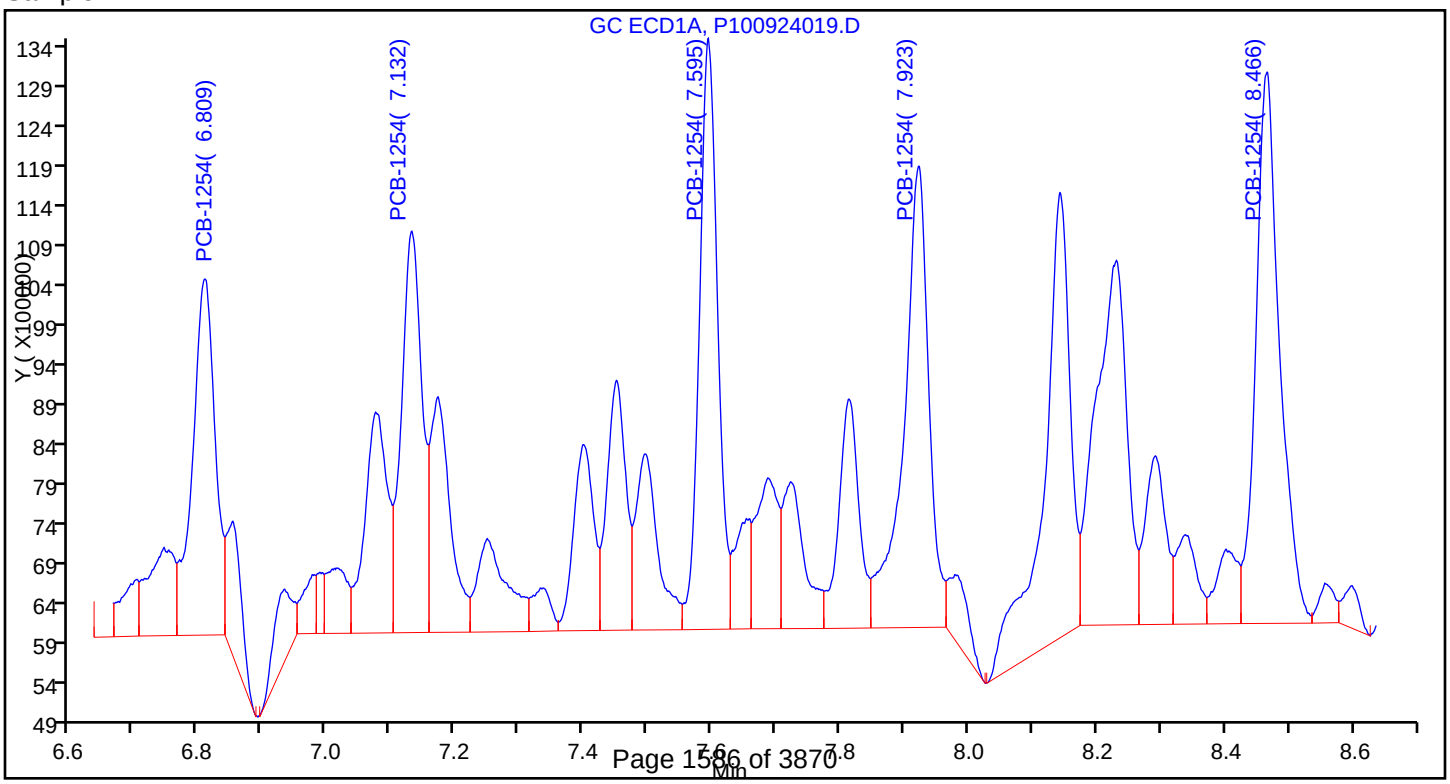
Injection Date:	24-Sep-2016 17:28:33	Instrument ID:	A2HP10		
Lims ID:	240-69767-B-17-A	Lab Sample ID:	240-69767-17		
Client ID:	DR-SB-252-48-51				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB10 IS	Limit Group:	GC 8082A IS		
Column:		Detector	GC ECD1A		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-252-72-75 | Lab Sample ID: 240-69767-18

Matrix: Solid | Lab File ID: P100924020.D

Analysis Method: 8082A | Date Collected: 09/20/2016 09:53

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.14(g) | Date Analyzed: 09/24/2016 17:47

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 13.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	57	27
11104-28-2	Aroclor-1221	26	U	57	26
11141-16-5	Aroclor-1232	18	U	57	18
53469-21-9	Aroclor-1242	23	U	57	23
12672-29-6	Aroclor-1248	19	U	57	19
11097-69-1	Aroclor-1254	940		57	16
11096-82-5	Aroclor-1260	20	U	57	20
37324-23-5	Aroclor-1262	9.1	U	57	9.1
11100-14-4	Aroclor-1268	23	U	57	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	85		14-128
2051-24-3	DCB Decachlorobiphenyl	62		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924020.D
Lims ID: 240-69767-B-18-A
Client ID: DR-SB-252-72-75
Sample Type: Client
Inject. Date: 24-Sep-2016 17:47:25 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058309-020
Operator ID: Instrument ID: A2HP10

Method: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\PCB10 IS.m
Limit Group: GC 8082A IS
Last Update: 26-Sep-2016 14:07:19 Calib Date: 21-Sep-2016 03:28:26
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 13:49:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.796	2.794	0.001	216361987	0.0500	
2	3.366	3.356	0.010	120611823	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.096	4.092	0.004	81816192	0.0169	
2	4.683	4.679	0.004	49716733	0.0188	
					RPD = 10.41	
3 PCB-1221						
1		4.363			ND	
1		4.554				
1		4.606				
2		5.134				
2		5.330				
2		5.410				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
5 PCB-1242						
1		4.605			ND	
1		5.071				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.553				
2		6.724				
2		7.313				
4 PCB-1232						
1		4.606			ND	
1		5.071				
1		5.664				
1		5.833				
1		6.347				
2		5.410				
2		5.963				
2		6.553				
2		6.725				
2		7.314				
6 PCB-1016						
1		4.603			ND	
1		5.070				
1		5.663				
1		5.830				
1		6.345				
2		5.408				
2		5.961				
2		6.551				
2		6.723				
2		7.313				
7 PCB-1248						
1		5.078			ND	
1		5.669				
1		6.354				
1		7.141				
1		7.609				
2		5.960				
2		6.548				
2		7.314				
2		7.834				
2		8.608				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	6.809	6.813	-0.004	94613555	0.7160	
1	7.131	7.134	-0.003	138127205	0.7515	
1	7.596	7.599	-0.003	184707427	0.7044	
1	7.921	7.931	-0.010	189141051	0.8857	
1	8.462	8.473	-0.011	287072524	1.08	
		Average of Peak Amounts =			0.8274	
2	7.825	7.826	-0.001	61265802	0.6928	
2	8.064	8.065	-0.001	84449720	0.8824	
2	8.603	8.605	-0.002	117179333	0.7822	
2	8.876	8.880	-0.004	107292632	1.10	
2	9.501	9.504	-0.003	158389871	1.15	
		Average of Peak Amounts =			0.9205	
					RPD = 10.66	
10 PCB-1260						
1		7.818			ND	
1		8.148				
1		8.469				
1		9.250				
1		9.568				
2		8.838				
2		9.093				
2		9.502				
2		10.249				
2		10.639				
9 PCB-1262						
1		7.819			ND	
1		8.608				
1		8.889				
1		9.251				
1		9.616				
2		8.838				
2		9.613				
2		9.954				
2		10.251				
2		10.638				
11 PCB-1268						
1		9.615			ND	
1		9.659				
1		9.879				
1		10.285				
1		10.589				
2		10.635				
2		10.682				
2		10.936				
2		11.222				
2		11.525				
$ 12 DCB Decachlorobiphenyl						
1	10.780	10.779	0.001	52867076	0.0125	
2	11.757	11.758	-0.001	7696971	0.003285	
					RPD = 116.75	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

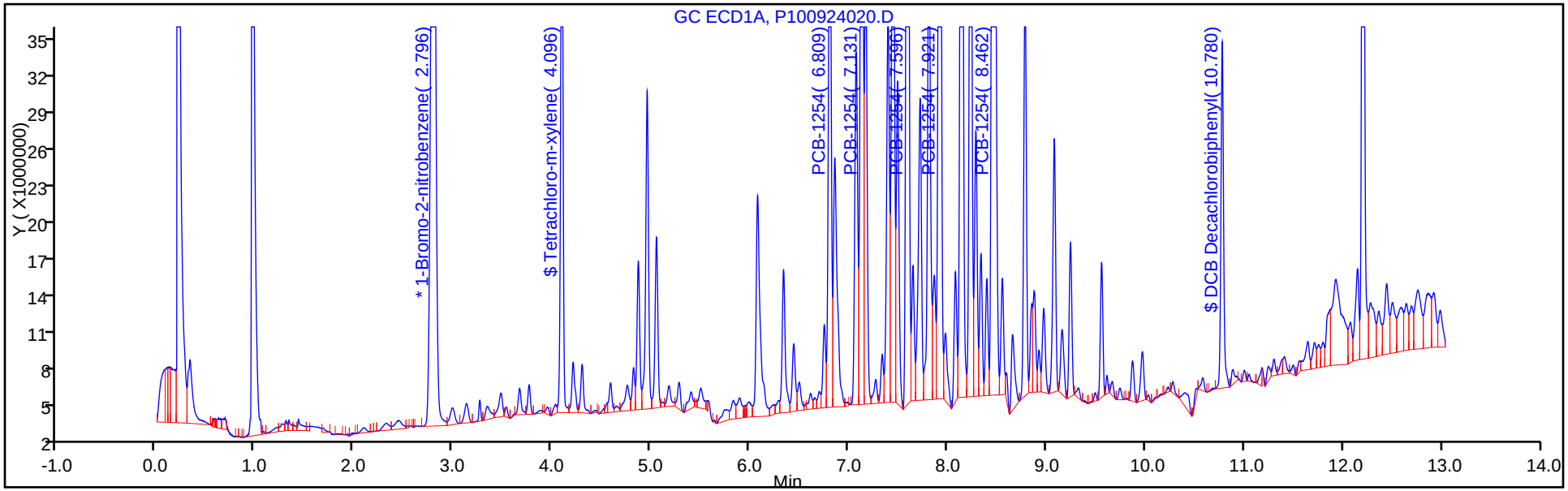
Report Date: 26-Sep-2016 14:07:56 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

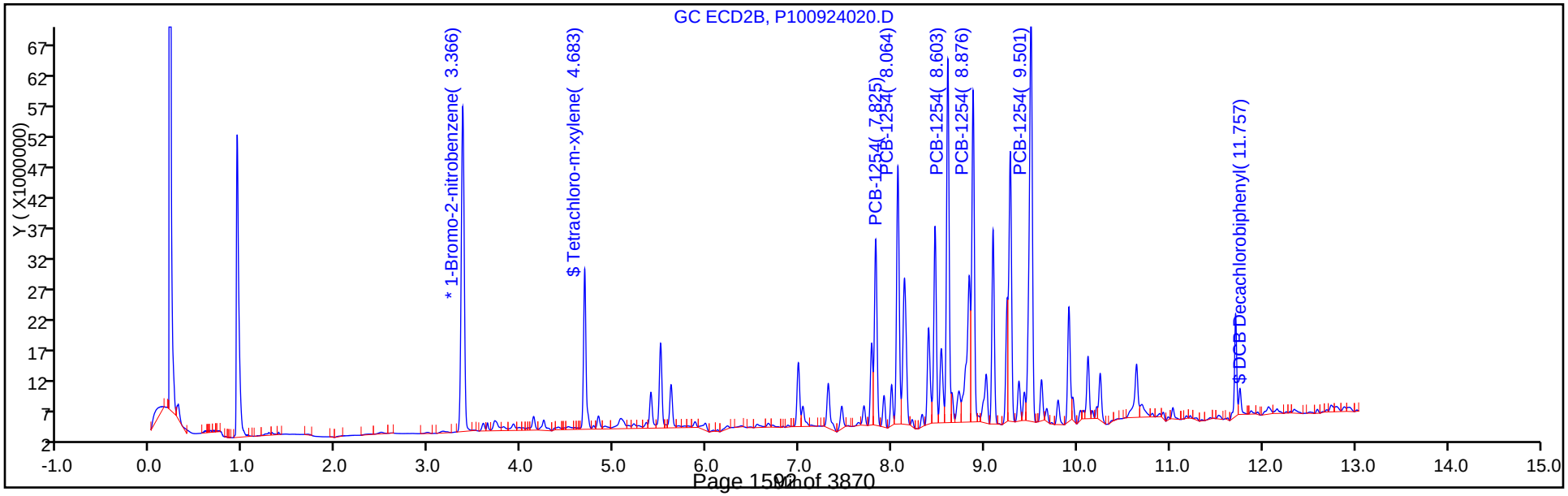
Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924020.D

Injection Date:	24-Sep-2016 17:47:25	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	240-69767-B-18-A	Lab Sample ID:	240-69767-18	Worklist Smp#:	20
Client ID:	DR-SB-252-72-75				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 14:07:57 Chrom Revision: 2.2 08-Sep-2016 14:45:52

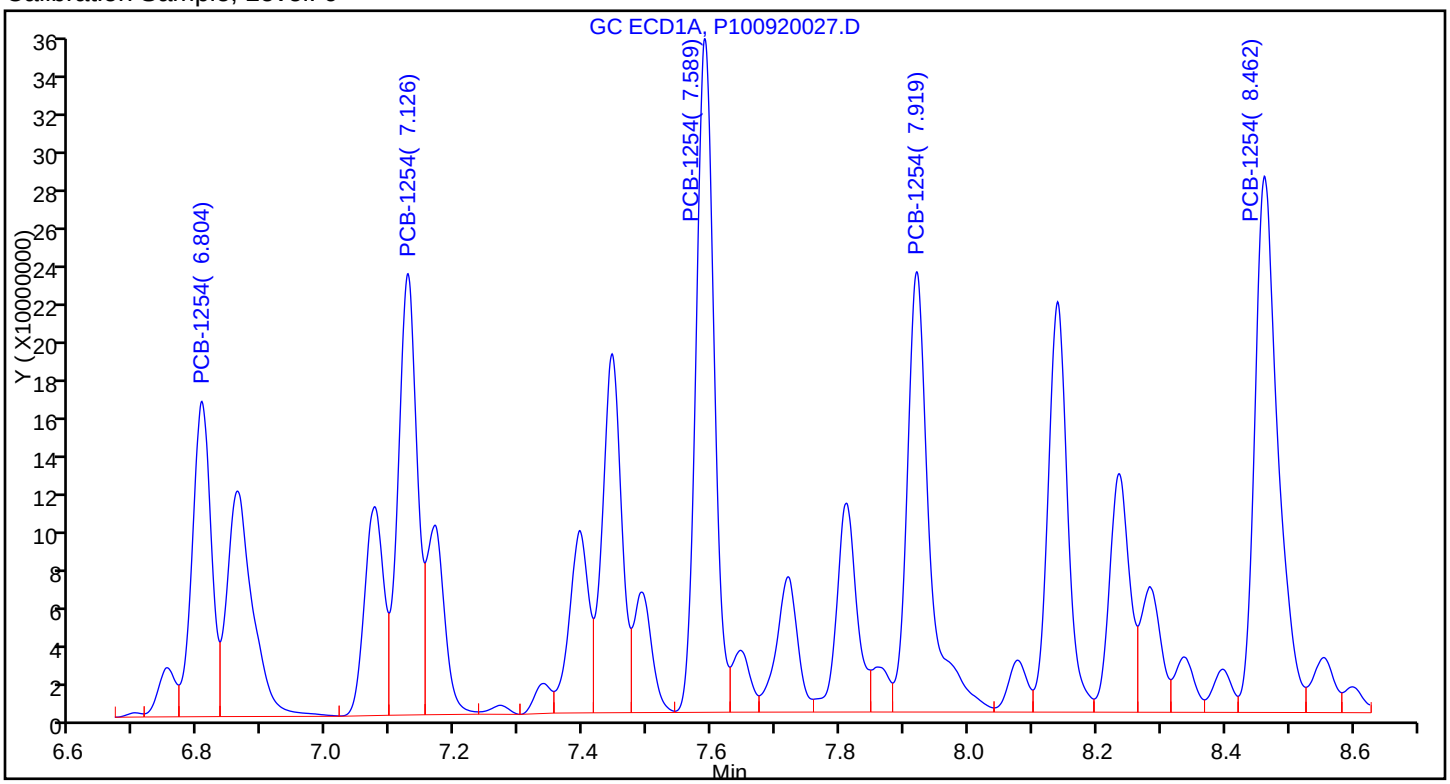
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924020.D

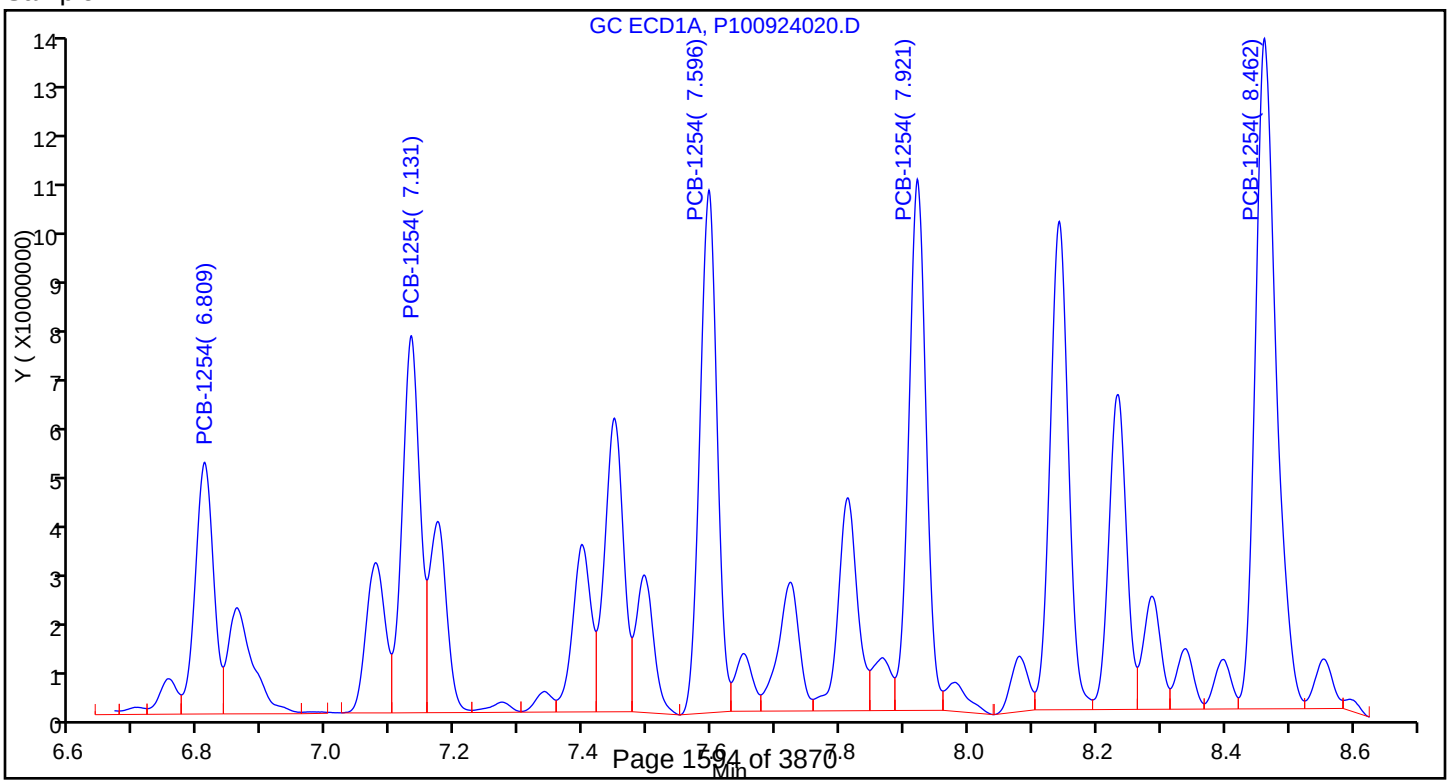
Injection Date:	24-Sep-2016 17:47:25	Instrument ID:	A2HP10		
Lims ID:	240-69767-B-18-A	Lab Sample ID:	240-69767-18		
Client ID:	DR-SB-252-72-75				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB10 IS	Limit Group:	GC 8082A IS		
Column:		Detector	GC ECD1A		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-252-120-123 | Lab Sample ID: 240-69767-20

Matrix: Solid | Lab File ID: P100924022.D

Analysis Method: 8082A | Date Collected: 09/20/2016 09:55

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.16(g) | Date Analyzed: 09/24/2016 18:25

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 21.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	30	U	62	30
11104-28-2	Aroclor-1221	29	U	62	29
11141-16-5	Aroclor-1232	20	U	62	20
53469-21-9	Aroclor-1242	25	U	62	25
12672-29-6	Aroclor-1248	21	U	62	21
11097-69-1	Aroclor-1254	130		62	17
11096-82-5	Aroclor-1260	22	U	62	22
37324-23-5	Aroclor-1262	10	U	62	10
11100-14-4	Aroclor-1268	25	U	62	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	62		14-128
2051-24-3	DCB Decachlorobiphenyl	90		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924022.D
Lims ID: 240-69767-B-20-A
Client ID: DR-SB-252-120-123
Sample Type: Client
Inject. Date: 24-Sep-2016 18:25:14 ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058309-022
Operator ID: Instrument ID: A2HP10

Method: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\PCB10 IS.m
Limit Group: GC 8082A IS
Last Update: 26-Sep-2016 14:07:19 Calib Date: 21-Sep-2016 03:28:26
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 13:50:33

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.788	2.794	-0.007	254101263	0.0500	
2	3.363	3.356	0.007	140870108	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.094	4.092	0.002	69940637	0.0123	
2	4.681	4.679	0.002	40758162	0.0132	
					RPD = 6.78	
3 PCB-1221						
1		4.363			ND	
1		4.554				
1		4.606				
2		5.134				
2		5.330				
2		5.410				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
5 PCB-1242						
1		4.605			ND	
1		5.071				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.553				
2		6.724				
2		7.313				
4 PCB-1232						
1		4.606			ND	
1		5.071				
1		5.664				
1		5.833				
1		6.347				
2		5.410				
2		5.963				
2		6.553				
2		6.725				
2		7.314				
6 PCB-1016						
1		4.603			ND	
1		5.070				
1		5.663				
1		5.830				
1		6.345				
2		5.408				
2		5.961				
2		6.551				
2		6.723				
2		7.313				
7 PCB-1248						
1		5.078			ND	
1		5.669				
1		6.354				
1		7.141				
1		7.609				
2		5.960				
2		6.548				
2		7.314				
2		7.834				
2		8.608				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	6.806	6.813	-0.007	21408840	0.1133	
1	7.128	7.134	-0.006	23711135	0.0911	
1	7.590	7.599	-0.009	37667162	0.1034	
1	7.918	7.931	-0.013	28299605	0.1022	
1	8.460	8.473	-0.013	43437601	0.1291	
		Average of Peak Amounts =			0.1078	
2	7.823	7.826	-0.003	12541099	0.0896	
2	8.062	8.065	-0.003	16799554	0.1267	
2	8.603	8.605	-0.002	20979003	0.0997	
2	8.874	8.880	-0.006	15863016	0.1206	
2	9.499	9.504	-0.005	26964239	0.1441	
		Average of Peak Amounts =			0.1162	
					RPD = 7.42	✓
10 PCB-1260						
1		7.818			ND	
1		8.148				
1		8.469				
1		9.250				
1		9.568				
2		8.838				
2		9.093				
2		9.502				
2		10.249				
2		10.639				
9 PCB-1262						
1		7.819			ND	
1		8.608				
1		8.889				
1		9.251				
1		9.616				
2		8.838				
2		9.613				
2		9.954				
2		10.251				
2		10.638				
11 PCB-1268						
1		9.615			ND	
1		9.659				
1		9.879				
1		10.285				
1		10.589				
2		10.635				
2		10.682				
2		10.936				
2		11.222				
2		11.525				
$ 12 DCB Decachlorobiphenyl						
1	10.778	10.779	-0.001	88934072	0.0179	
2	11.757	11.758	-0.001	24418041	0.008922	
					RPD = 66.95	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

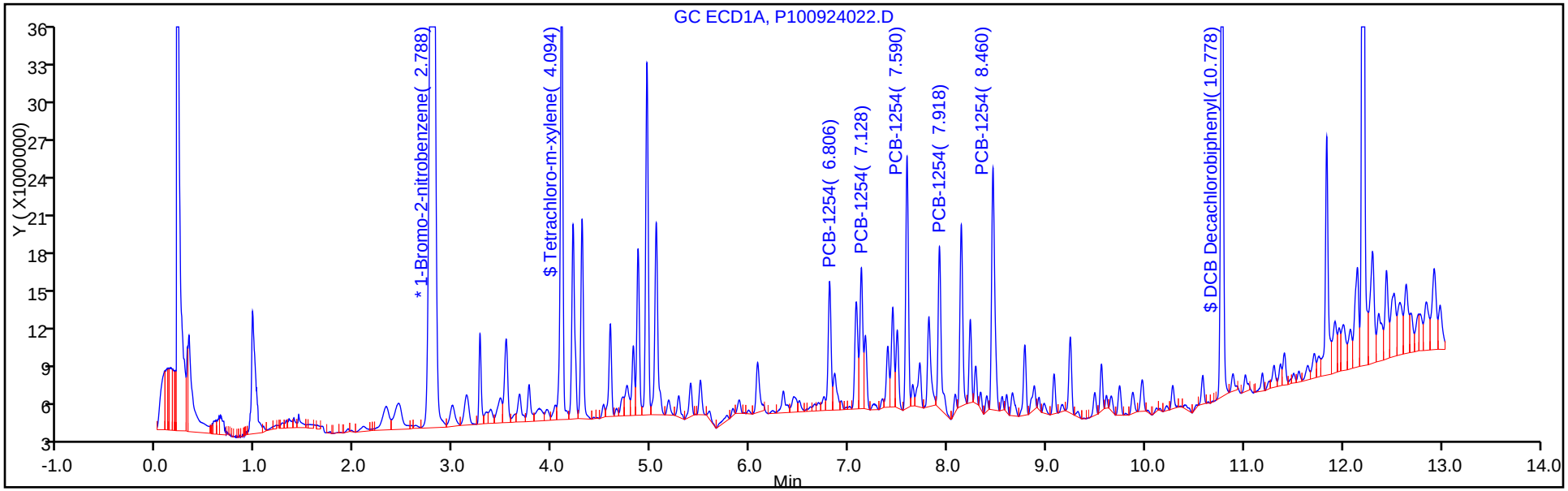
Report Date: 26-Sep-2016 14:07:49 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

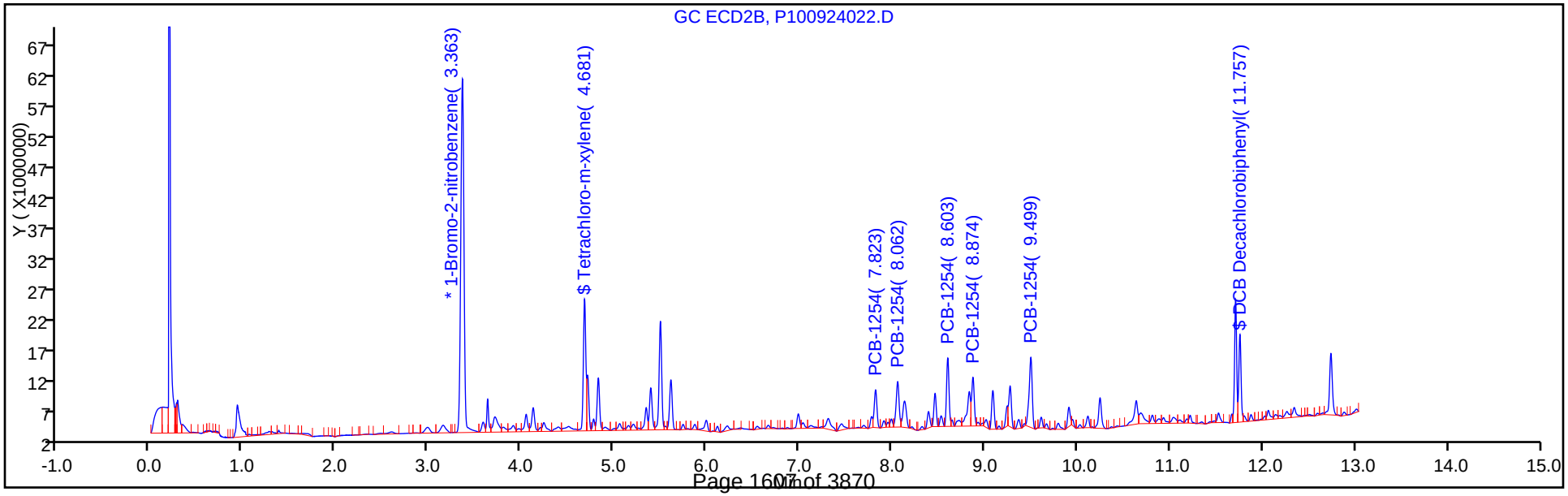
Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924022.D

Injection Date:	24-Sep-2016 18:25:14	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	240-69767-B-20-A	Lab Sample ID:	240-69767-20	Worklist Smp#:	22
Client ID:	DR-SB-252-120-123				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 14:07:49 Chrom Revision: 2.2 08-Sep-2016 14:45:52

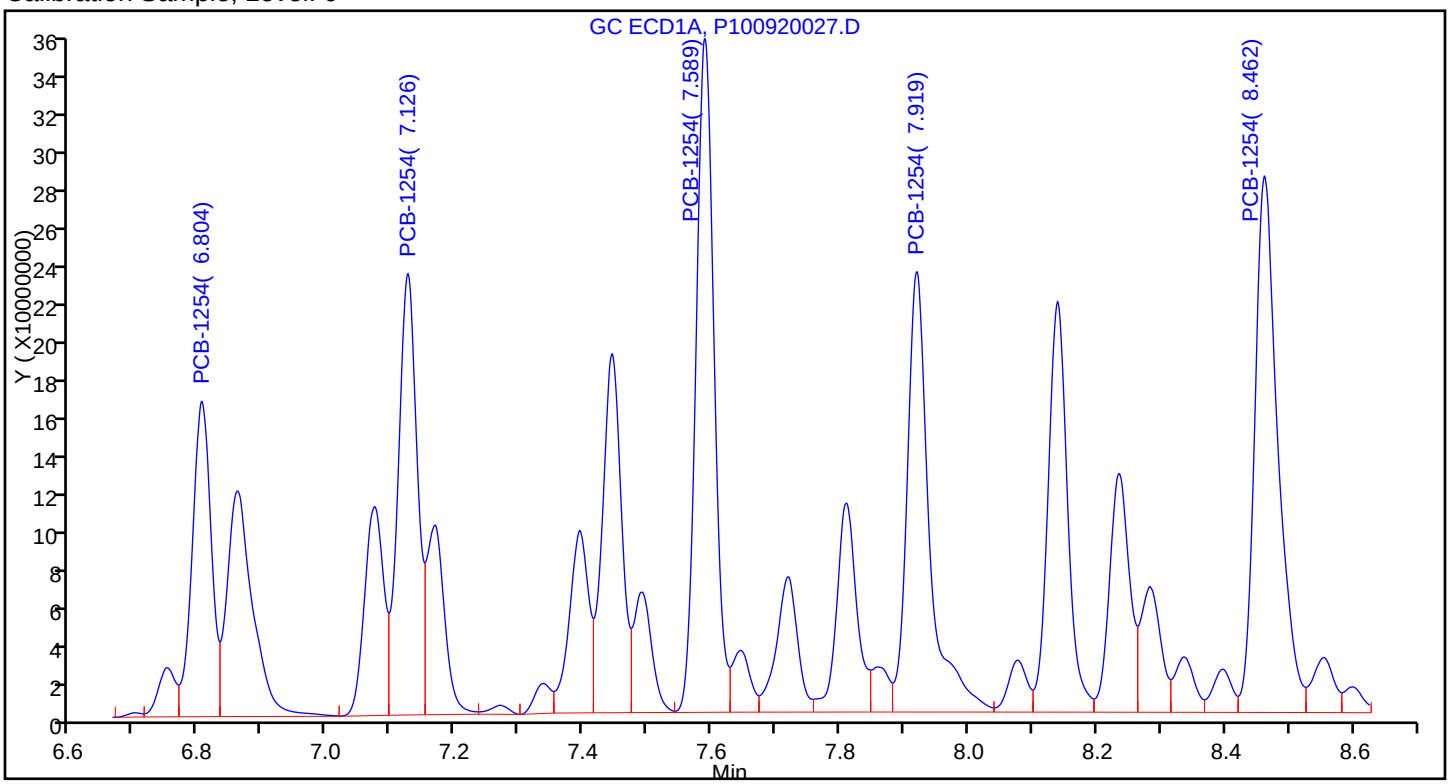
TestAmerica Canton

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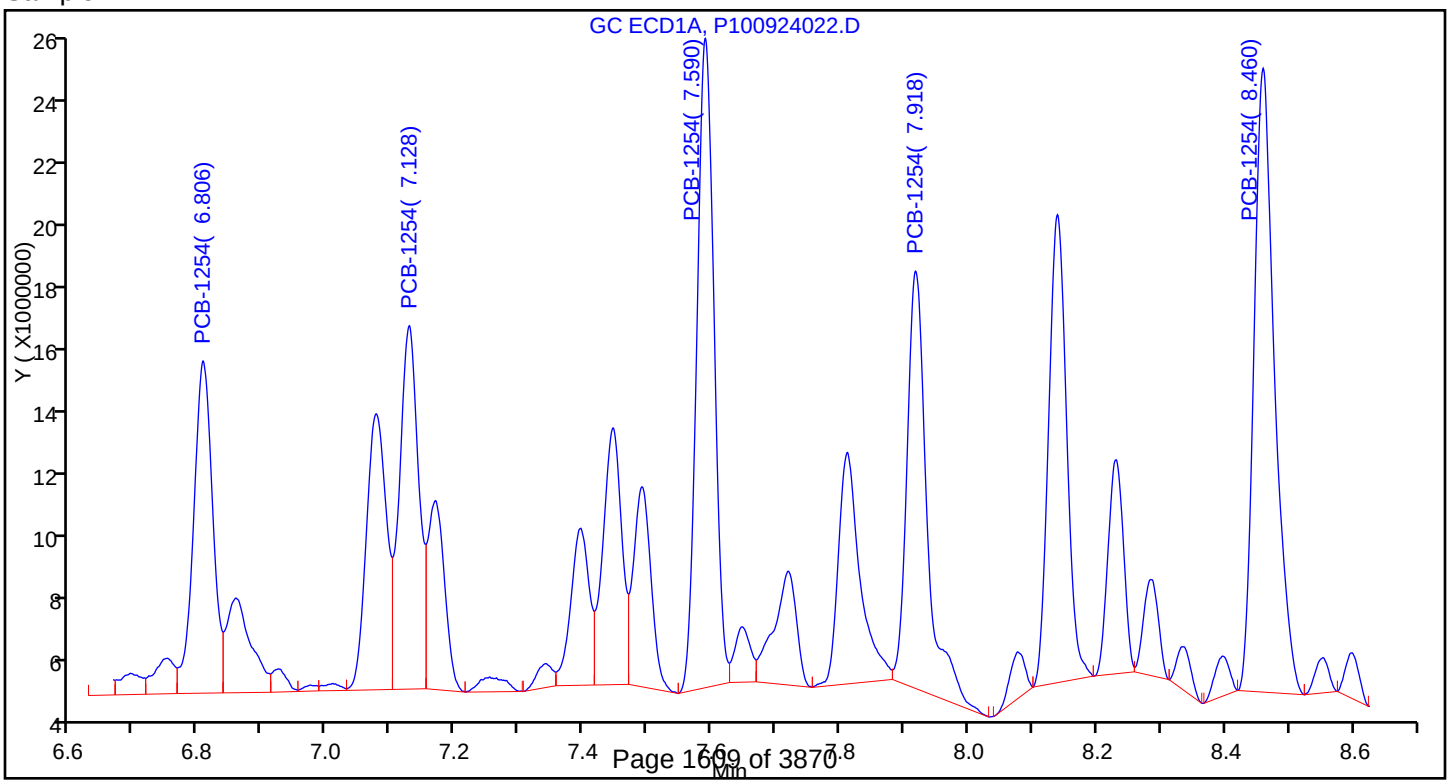
Injection Date:	24-Sep-2016 18:25:14	Instrument ID:	A2HP10		
Lims ID:	240-69767-B-20-A	Lab Sample ID:	240-69767-20		
Client ID:	DR-SB-252-120-123				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB10 IS	Limit Group:	GC 8082A IS		
Column:		Detector	GC ECD1A		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-253-24-27 | Lab Sample ID: 240-69767-23

Matrix: Solid | Lab File ID: P100924025.D

Analysis Method: 8082A | Date Collected: 09/19/2016 10:50

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.16(g) | Date Analyzed: 09/24/2016 19:21

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 10.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	26	U	55	26
11104-28-2	Aroclor-1221	25	U	55	25
11141-16-5	Aroclor-1232	18	U	55	18
53469-21-9	Aroclor-1242	22	U	55	22
12672-29-6	Aroclor-1248	19	U	55	19
11097-69-1	Aroclor-1254	18	J	55	15
11096-82-5	Aroclor-1260	20	U	55	20
37324-23-5	Aroclor-1262	8.8	U	55	8.8
11100-14-4	Aroclor-1268	22	U	55	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	71		14-128
2051-24-3	DCB Decachlorobiphenyl	141	X	10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924025.D
Lims ID: 240-69767-B-23-A
Client ID: DR-SB-253-24-27
Sample Type: Client
Inject. Date: 24-Sep-2016 19:21:52 ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058309-025
Operator ID: Instrument ID: A2HP10

Method: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\PCB10 IS.m
Limit Group: GC 8082A IS
Last Update: 26-Sep-2016 14:07:19 Calib Date: 21-Sep-2016 03:28:26
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 13:55:43

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.790	2.794	-0.005	280336403	0.0500	
2	3.364	3.356	0.008	151725252	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.095	4.092	0.003	89452207	0.0143	
2	4.682	4.679	0.003	46818186	0.0140	
					RPD = 1.56	
3 PCB-1221						
1		4.363			ND	
1		4.554				
1		4.606				
2		5.134				
2		5.330				
2		5.410				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
5 PCB-1242						
1		4.605			ND	
1		5.071				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.553				
2		6.724				
2		7.313				
4 PCB-1232						
1		4.606			ND	
1		5.071				
1		5.664				
1		5.833				
1		6.347				
2		5.410				
2		5.963				
2		6.553				
2		6.725				
2		7.314				
6 PCB-1016						
1		4.603			ND	
1		5.070				
1		5.663				
1		5.830				
1		6.345				
2		5.408				
2		5.961				
2		6.551				
2		6.723				
2		7.313				
7 PCB-1248						
1		5.078			ND	
1		5.669				
1		6.354				
1		7.141				
1		7.609				
2		5.960				
2		6.548				
2		7.314				
2		7.834				
2		8.608				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	6.806	6.813	-0.007	6654348	0.0100	
1	0.000	7.134	0.000	0	0	
1	7.592	7.599	-0.007	8684359	0.003503	
1	7.920	7.931	-0.011	8704764	0.0197	
1	8.462	8.473	-0.011	14369909	0.0308	
		Average of Peak Amounts =			0.0160	
2	0.000	7.826	0.000	0	0	
2	8.064	8.065	-0.001	5178103	0.0159	
2	8.602	8.605	-0.003	4565104	0.001153	
2	8.875	8.880	-0.005	4210561	0.0137	
2	9.500	9.504	-0.004	7601394	0.0179	
		Average of Peak Amounts =			0.0122	
					RPD = 27.10 √	
10 PCB-1260						
1		7.818			ND	
1		8.148				
1		8.469				
1		9.250				
1		9.568				
2		8.838				
2		9.093				
2		9.502				
2		10.249				
2		10.639				
9 PCB-1262						
1		7.819			ND	
1		8.608				
1		8.889				
1		9.251				
1		9.616				
2		8.838				
2		9.613				
2		9.954				
2		10.251				
2		10.638				
11 PCB-1268						
1		9.615			ND	
1		9.659				
1		9.879				
1		10.285				
1		10.589				
2		10.635				
2		10.682				
2		10.936				
2		11.222				
2		11.525				
$ 12 DCB Decachlorobiphenyl						
1	10.778	10.779	-0.001	154235251	0.0281	
2	11.755	11.758	-0.003	44598385	0.0151	
					RPD = 60.13	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

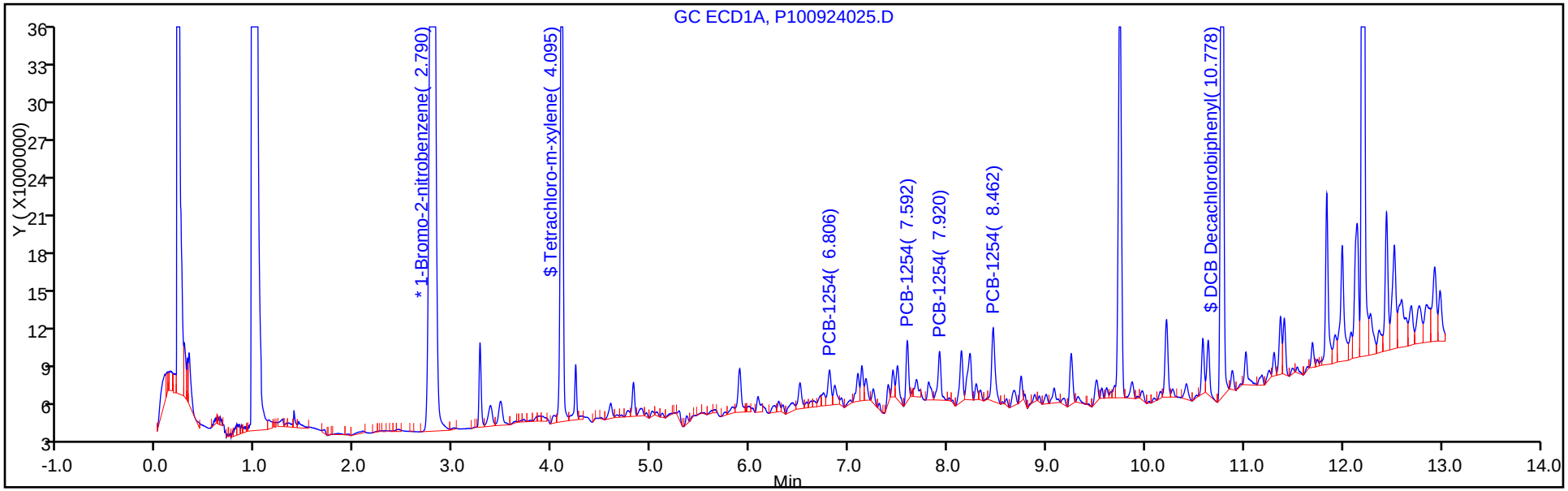
Report Date: 26-Sep-2016 14:07:38 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

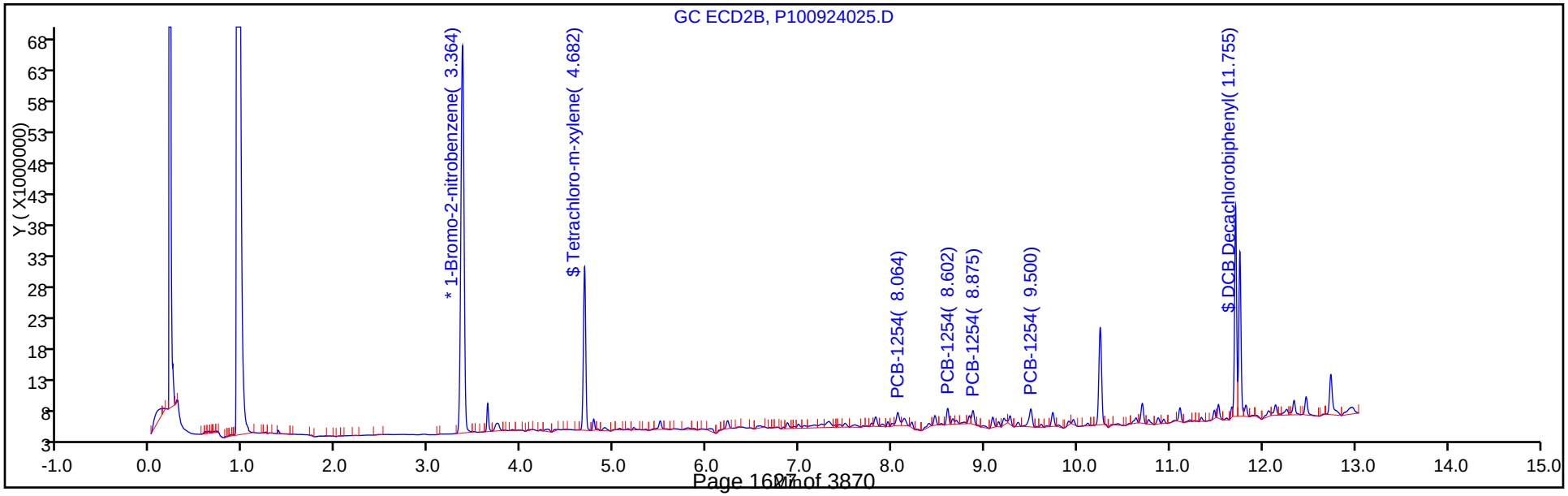
Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924025.D

Injection Date:	24-Sep-2016 19:21:52	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	240-69767-B-23-A	Lab Sample ID:	240-69767-23	Worklist Smp#:	25
Client ID:	DR-SB-253-24-27				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 14:07:39 Chrom Revision: 2.2 08-Sep-2016 14:45:52

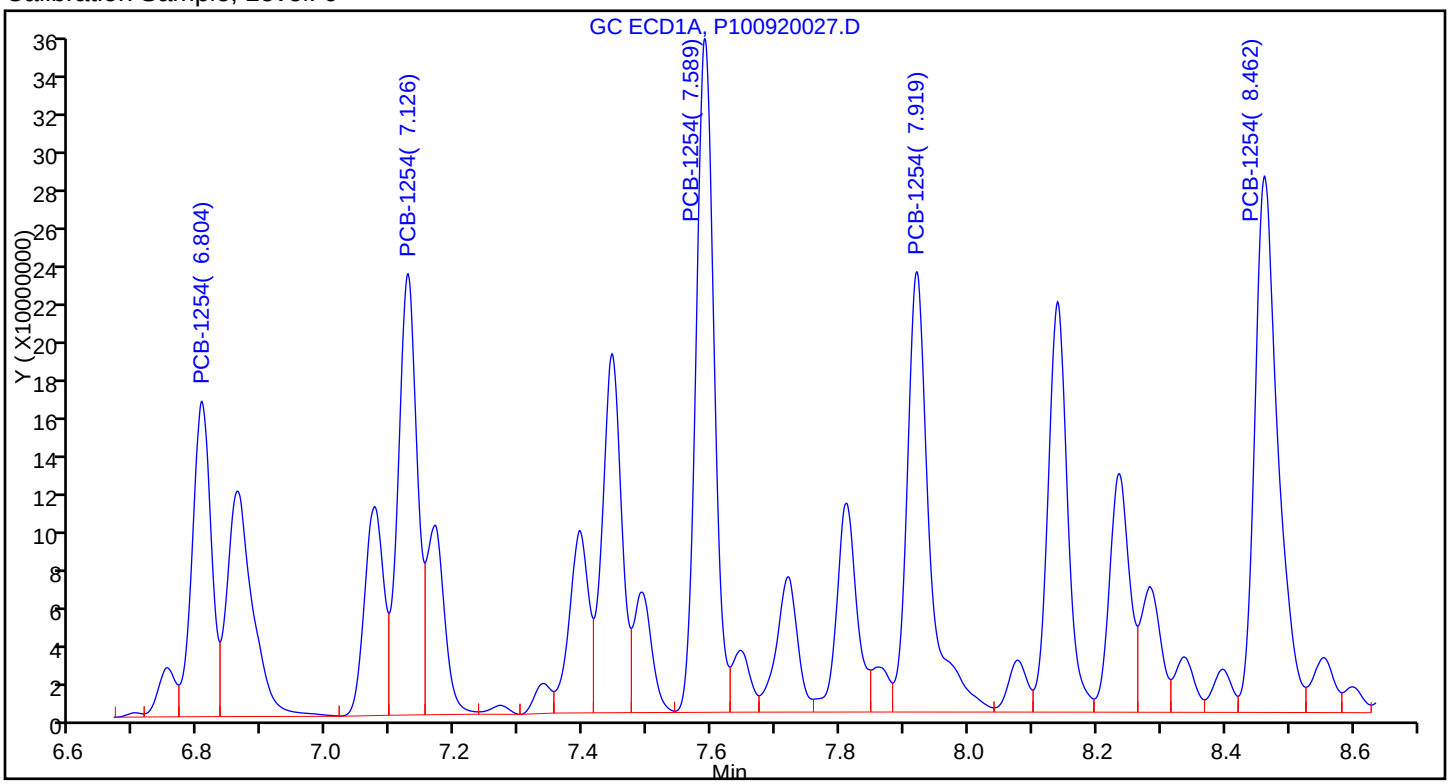
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924025.D

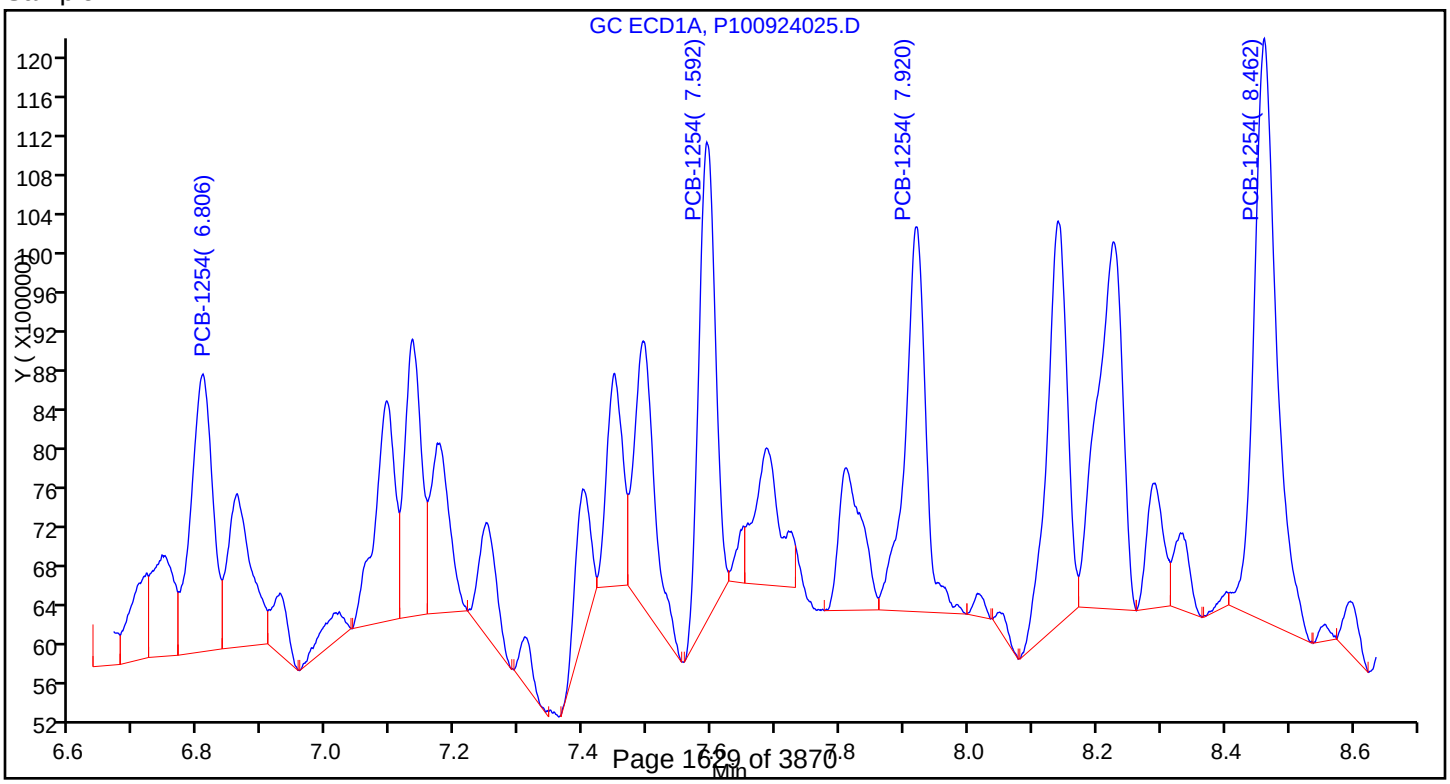
Injection Date:	24-Sep-2016 19:21:52	Instrument ID:	A2HP10
Lims ID:	240-69767-B-23-A	Lab Sample ID:	240-69767-23
Client ID:	DR-SB-253-24-27		
Operator ID:		ALS Bottle#:	25 Worklist Smp#: 25
Injection Vol:	1.0 uL	Dil. Factor:	1.0000
Method:	PCB10 IS	Limit Group:	GC 8082A IS
Column:		Detector	GC ECD1A

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-253-72-75 | Lab Sample ID: 240-69767-25

Matrix: Solid | Lab File ID: P100924030.D

Analysis Method: 8082A | Date Collected: 09/19/2016 10:55

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.08(g) | Date Analyzed: 09/24/2016 20:56

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	26	U	55	26
11104-28-2	Aroclor-1221	25	U	55	25
11141-16-5	Aroclor-1232	18	U	55	18
53469-21-9	Aroclor-1242	22	U	55	22
12672-29-6	Aroclor-1248	19	U	55	19
11097-69-1	Aroclor-1254	23	J	55	15
11096-82-5	Aroclor-1260	20	U	55	20
37324-23-5	Aroclor-1262	8.8	U	55	8.8
11100-14-4	Aroclor-1268	22	U	55	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	63		14-128
2051-24-3	DCB Decachlorobiphenyl	102		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924030.D
Lims ID: 240-69767-B-25-A
Client ID: DR-SB-253-72-75
Sample Type: Client
Inject. Date: 24-Sep-2016 20:56:20 ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058309-030
Operator ID: Instrument ID: A2HP10

Method: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\PCB10 IS.m
Limit Group: GC 8082A IS
Last Update: 26-Sep-2016 14:06:40 Calib Date: 21-Sep-2016 03:28:26
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 13:59:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.786	2.794	-0.007	281872935	0.0500	
2	3.363	3.367	-0.004	144449261	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.095	4.095	0.000	78828111	0.0125	
2	4.682	4.682	0.000	46485233	0.0146	
					RPD = 15.80	
3 PCB-1221						
1		4.363			ND	
1		4.554				
1		4.606				
2		5.134				
2		5.330				
2		5.410				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
6 PCB-1016						
1		4.607			ND	
1		5.072				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.552				
2		6.724				
2		7.313				
5 PCB-1242						
1		4.605			ND	
1		5.071				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.553				
2		6.724				
2		7.313				
4 PCB-1232						
1		4.606			ND	
1		5.071				
1		5.664				
1		5.833				
1		6.347				
2		5.410				
2		5.963				
2		6.553				
2		6.725				
2		7.314				
7 PCB-1248						
1		5.078			ND	
1		5.669				
1		6.354				
1		7.141				
1		7.609				
2		5.960				
2		6.548				
2		7.314				
2		7.834				
2		8.608				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	6.805	6.813	-0.008	7523962	0.0150	
1	0.000	7.134	0.000	0	0	
1	7.592	7.599	-0.007	8744052	0.003540	
1	7.920	7.931	-0.011	10487944	0.0260	
1	8.459	8.473	-0.014	16826269	0.0377	
		Average of Peak Amounts =			0.0206	
2	0.000	7.826	0.000	0	0	
2	8.065	8.065	0.000	4920869	0.0158	
2	0.000	8.605	0.000	0	0	
2	8.875	8.880	-0.005	2927930	0.004321	
2	9.500	9.504	-0.004	9289118	0.0306	
		Average of Peak Amounts =			0.0169	
					RPD = 19.56	✓
10 PCB-1260						
1		7.819			ND	
1		8.149				
1		8.471				
1		9.253				
1		9.569				
2		8.839				
2		9.093				
2		9.502				
2		10.250				
2		10.641				
9 PCB-1262						
1		7.819			ND	
1		8.608				
1		8.889				
1		9.251				
1		9.616				
2		8.838				
2		9.613				
2		9.954				
2		10.251				
2		10.638				
11 PCB-1268						
1		9.615			ND	
1		9.659				
1		9.879				
1		10.285				
1		10.589				
2		10.635				
2		10.682				
2		10.936				
2		11.222				
2		11.525				
$ 12 DCB Decachlorobiphenyl						
1	10.778	10.781	-0.003	112720777	0.0205	
2	11.757	11.758	-0.001	51934732	0.0185	
					RPD = 9.99	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

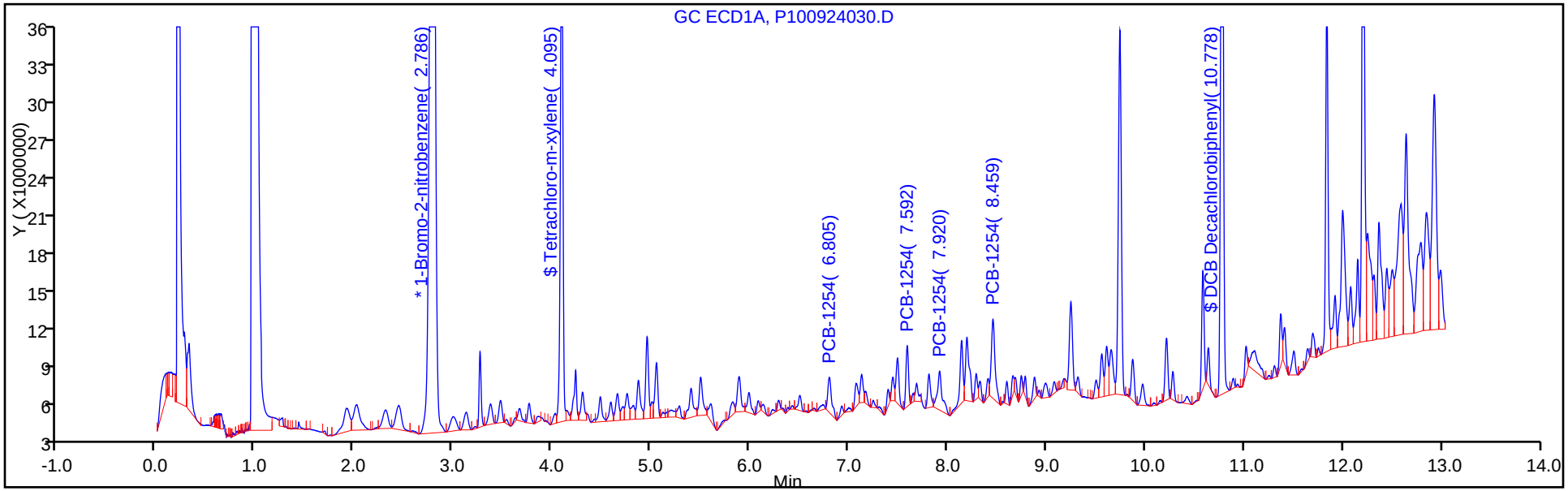
Report Date: 26-Sep-2016 14:07:17 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

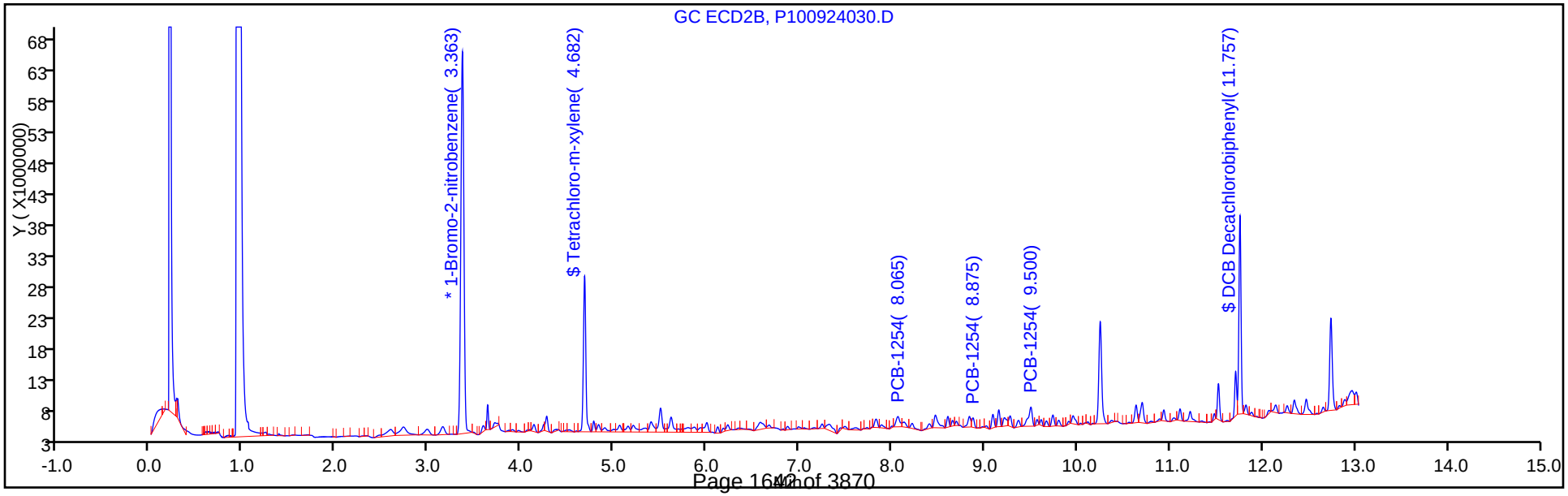
Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924030.D

Injection Date:	24-Sep-2016 20:56:20	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	240-69767-B-25-A	Lab Sample ID:	240-69767-25	Worklist Smp#:	30
Client ID:	DR-SB-253-72-75				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 14:07:17 Chrom Revision: 2.2 08-Sep-2016 14:45:52

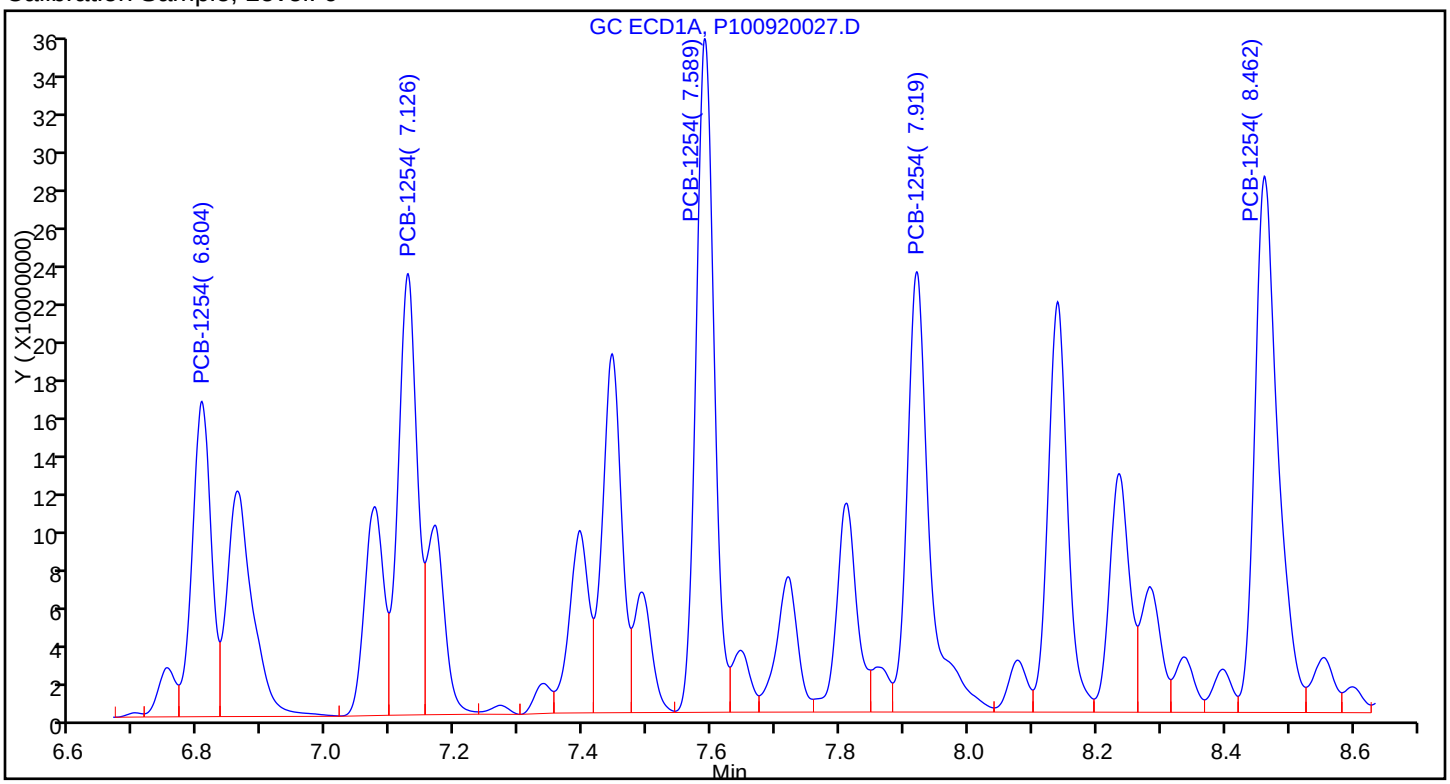
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924030.D

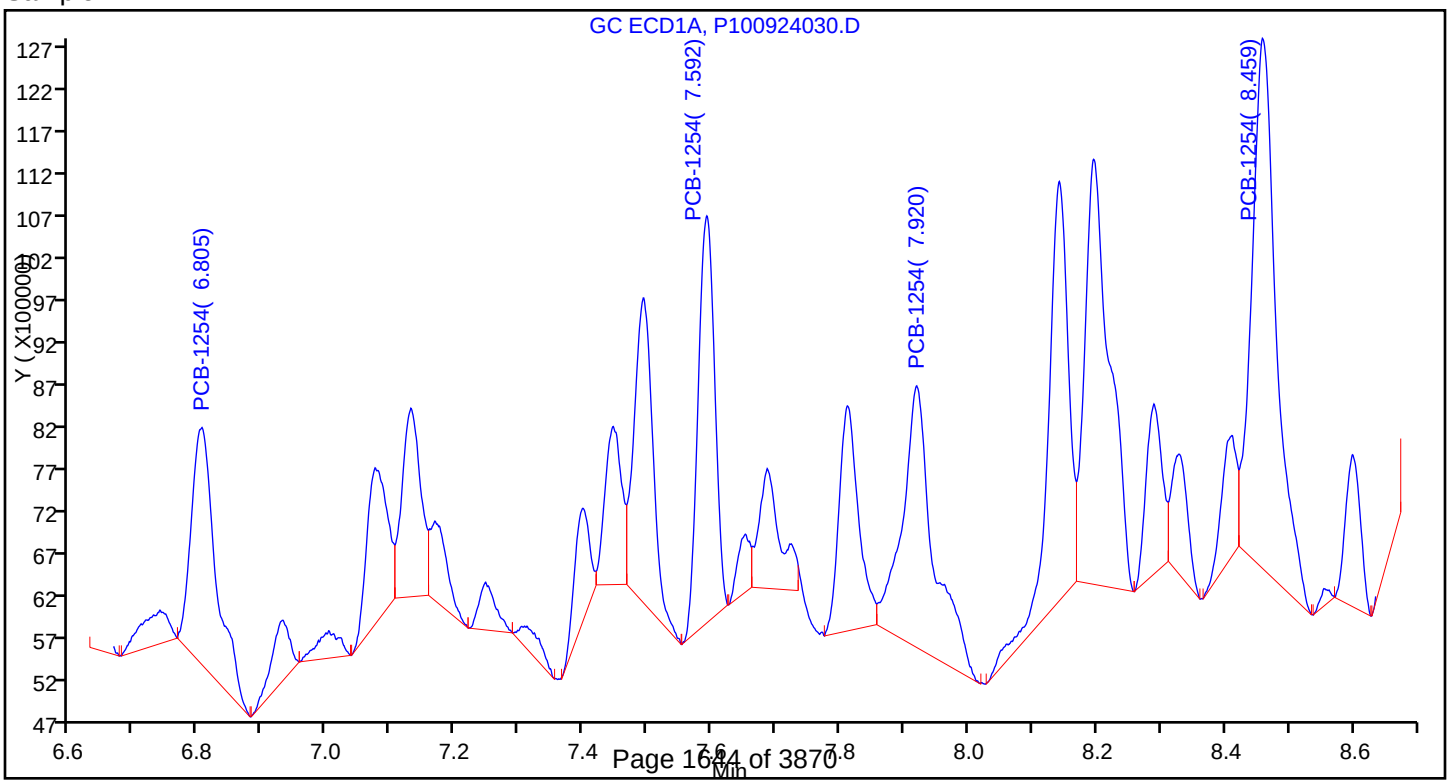
Injection Date:	24-Sep-2016 20:56:20	Instrument ID:	A2HP10		
Lims ID:	240-69767-B-25-A	Lab Sample ID:	240-69767-25		
Client ID:	DR-SB-253-72-75				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB10 IS	Limit Group:	GC 8082A IS		
Column:		Detector	GC ECD1A		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-253-120-123 | Lab Sample ID: 240-69767-27

Matrix: Solid | Lab File ID: P100924032.D

Analysis Method: 8082A | Date Collected: 09/19/2016 11:00

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.05(g) | Date Analyzed: 09/24/2016 21:34

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 18.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	29	U	61	29
11104-28-2	Aroclor-1221	28	U	61	28
11141-16-5	Aroclor-1232	20	U	61	20
53469-21-9	Aroclor-1242	24	U	61	24
12672-29-6	Aroclor-1248	21	U	61	21
11097-69-1	Aroclor-1254	21	J	61	17
11096-82-5	Aroclor-1260	22	U	61	22
37324-23-5	Aroclor-1262	9.8	U	61	9.8
11100-14-4	Aroclor-1268	24	U	61	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	38		14-128
2051-24-3	DCB Decachlorobiphenyl	38		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924032.D
Lims ID: 240-69767-B-27-A
Client ID: DR-SB-253-120-123
Sample Type: Client
Inject. Date: 24-Sep-2016 21:34:06 ALS Bottle#: 32 Worklist Smp#: 32
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058309-032
Operator ID: Instrument ID: A2HP10

Method: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\PCB10 IS.m
Limit Group: GC 8082A IS
Last Update: 26-Sep-2016 14:06:40 Calib Date: 21-Sep-2016 03:28:26
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 14:01:34

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.795	2.794	0.001	312104833	0.0500	
2	3.367	3.367	0.000	171368523	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.097	4.095	0.002	53392632	0.007648	
2	4.683	4.682	0.001	28577326	0.007591	
					RPD = 0.76	
3 PCB-1221						
1		4.363			ND	
1		4.554				
1		4.606				
2		5.134				
2		5.330				
2		5.410				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
6 PCB-1016						
1		4.607			ND	
1		5.072				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.552				
2		6.724				
2		7.313				
5 PCB-1242						
1		4.605			ND	
1		5.071				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.553				
2		6.724				
2		7.313				
4 PCB-1232						
1		4.606			ND	
1		5.071				
1		5.664				
1		5.833				
1		6.347				
2		5.410				
2		5.963				
2		6.553				
2		6.725				
2		7.314				
7 PCB-1248						
1		5.078			ND	
1		5.669				
1		6.354				
1		7.141				
1		7.609				
2		5.960				
2		6.548				
2		7.314				
2		7.834				
2		8.608				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	6.807	6.813	-0.006	7972315	0.0131	
1	7.130	7.134	-0.004	8998965	0.0130	
1	7.594	7.599	-0.005	9288432	0.002466	
1	7.921	7.931	-0.010	9440377	0.0189	
1	8.462	8.473	-0.011	19248814	0.0393	
		Average of Peak Amounts =			0.0174	
2	0.000	7.826	0.000	0	0	
2	8.064	8.065	-0.001	5987745	0.0170	
2	8.605	8.605	0.000	6394613	0.007149	
2	0.000	8.880	0.000	0	0	
2	9.498	9.504	-0.006	9662941	0.0235	
		Average of Peak Amounts =			0.0159	
					RPD = 8.87	J
10 PCB-1260						
1		7.819			ND	
1		8.149				
1		8.471				
1		9.253				
1		9.569				
2		8.839				
2		9.093				
2		9.502				
2		10.250				
2		10.641				
9 PCB-1262						
1		7.819			ND	
1		8.608				
1		8.889				
1		9.251				
1		9.616				
2		8.838				
2		9.613				
2		9.954				
2		10.251				
2		10.638				
11 PCB-1268						
1		9.615			ND	
1		9.659				
1		9.879				
1		10.285				
1		10.589				
2		10.635				
2		10.682				
2		10.936				
2		11.222				
2		11.525				
$ 12 DCB Decachlorobiphenyl						
1	10.779	10.781	-0.002	46450090	0.007612	
2	11.757	11.758	-0.001	20818483	0.006253	
					RPD = 19.60	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
16 1260 Res 1						
1	9.561	9.568	-0.007	5163625		NR
2	10.688	10.686	0.002	1072984		NR
13 1260 Res 2						
1		9.616			ND	
2		10.785				
15 1260 Res 3						
1	9.660	9.665	-0.005	2204116		NR
2	0.103	0.103	0.001	15059316		NR

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

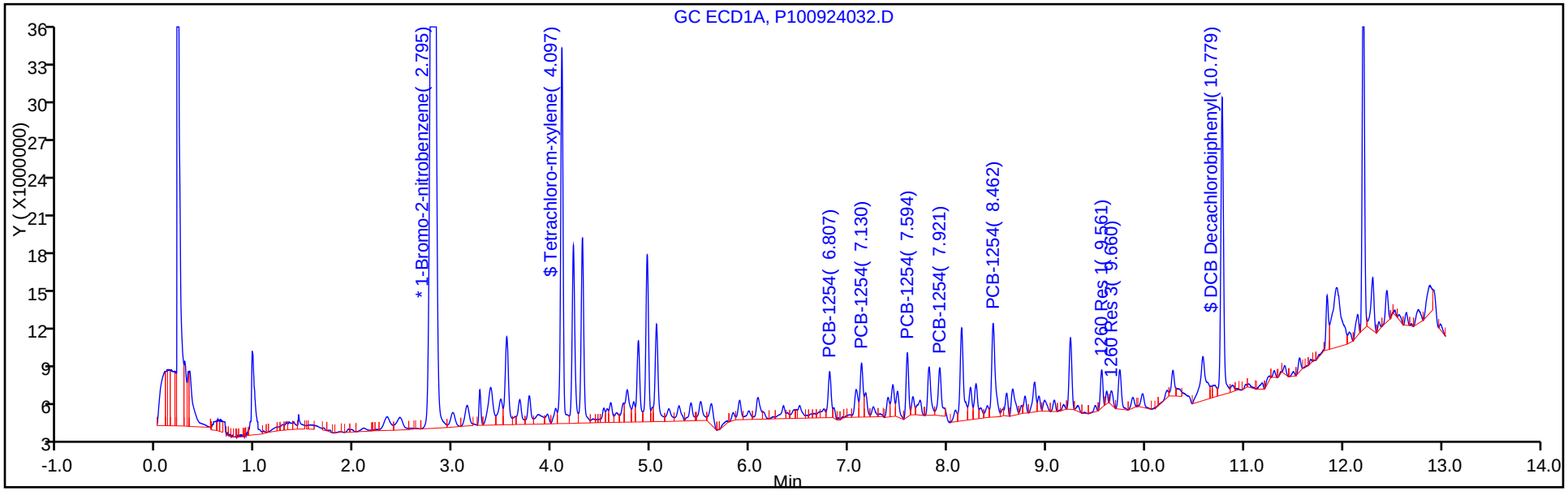
Report Date: 26-Sep-2016 14:07:08 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

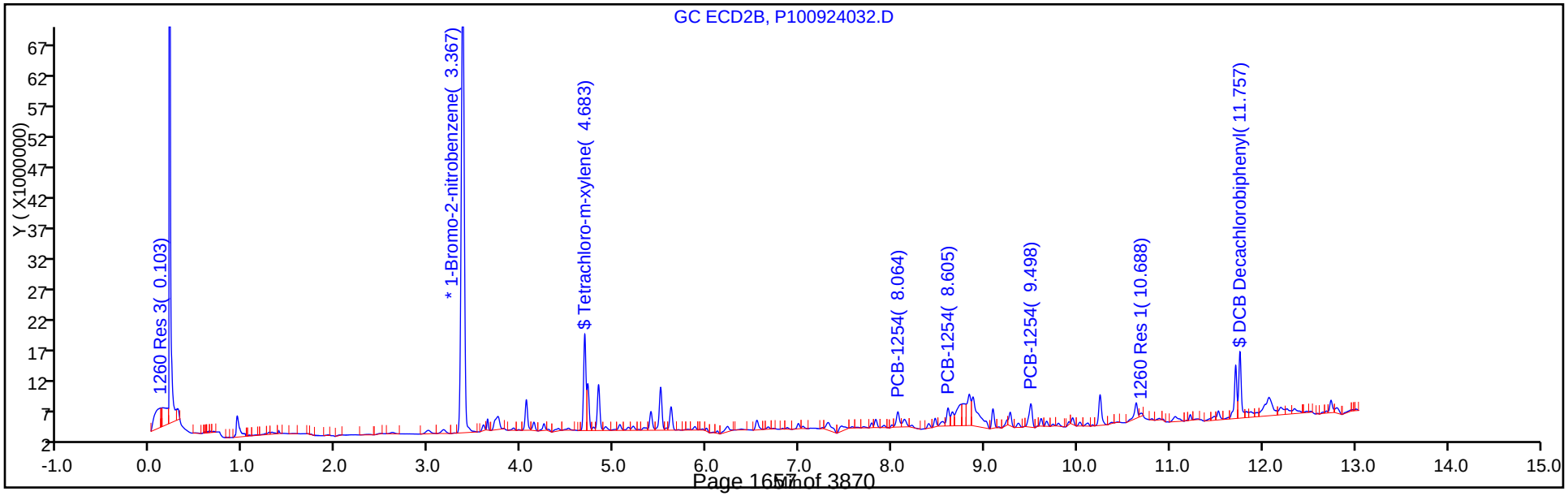
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Injection Date:	24-Sep-2016 21:34:06	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	240-69767-B-27-A	Lab Sample ID:	240-69767-27	Worklist Smp#:	32
Client ID:	DR-SB-253-120-123				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	32
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 14:07:10 Chrom Revision: 2.2 08-Sep-2016 14:45:52

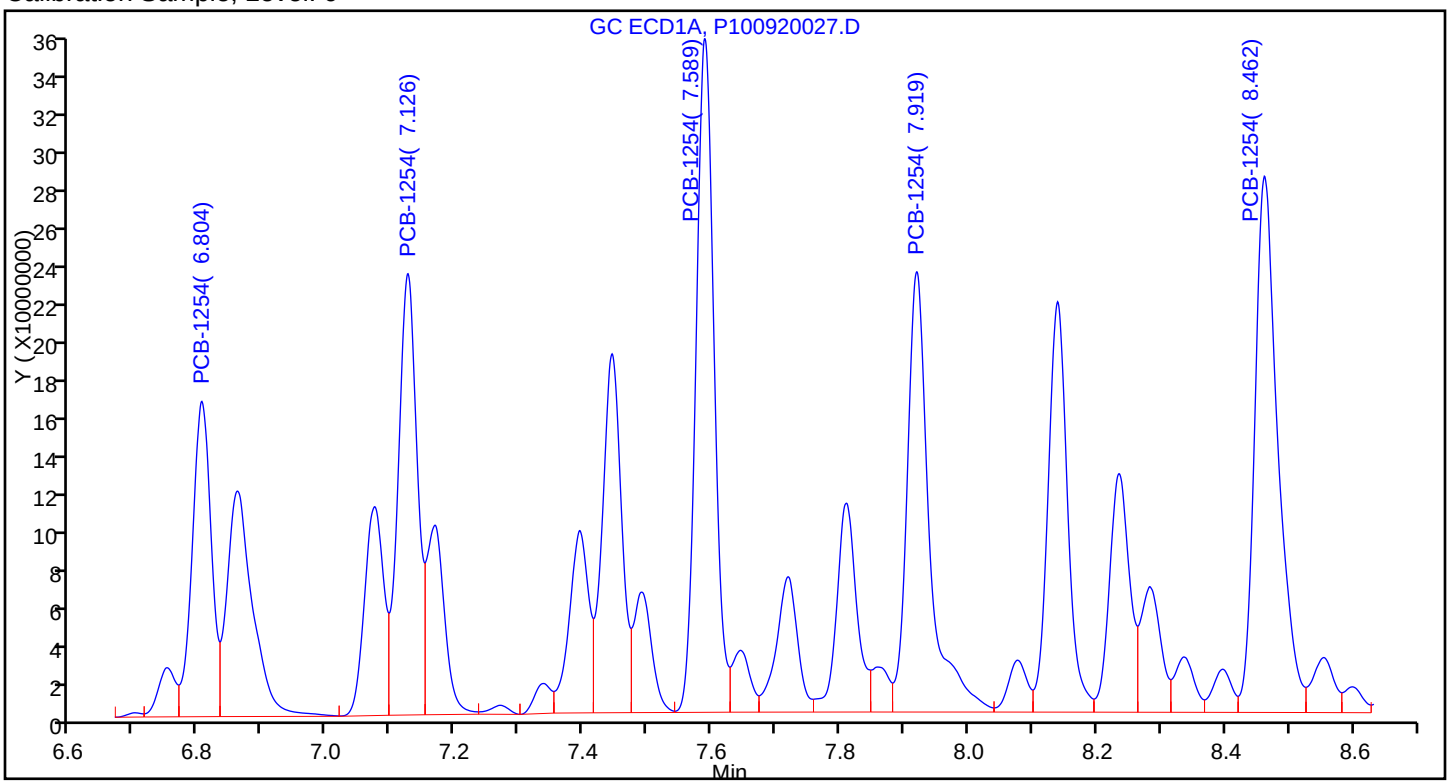
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924032.D

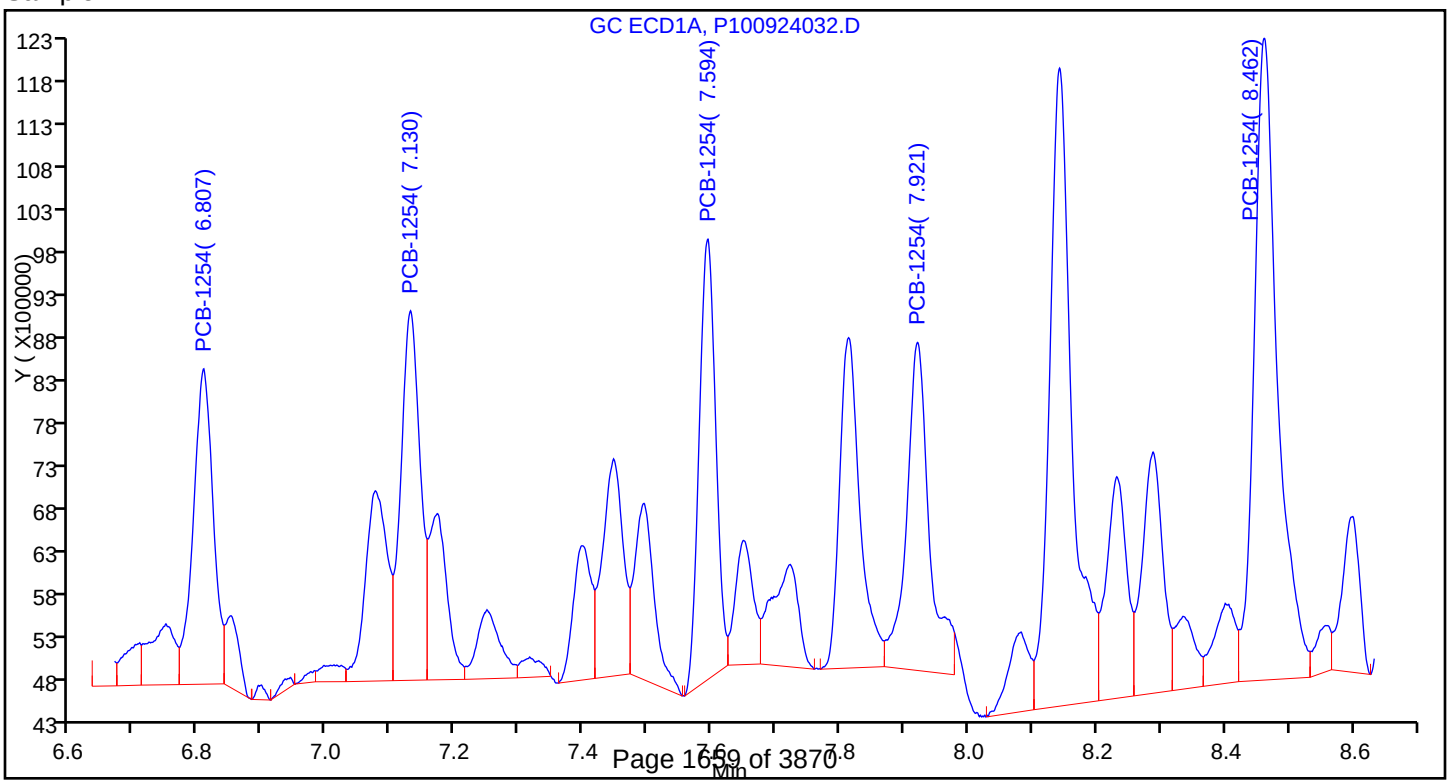
Injection Date:	24-Sep-2016 21:34:06	Instrument ID:	A2HP10		
Lims ID:	240-69767-B-27-A	Lab Sample ID:	240-69767-27		
Client ID:	DR-SB-253-120-123				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB10 IS	Limit Group:	GC 8082A IS		
Column:		Detector	GC ECD1A		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-254-0-3 | Lab Sample ID: 240-69767-29

Matrix: Solid | Lab File ID: P120925010.D

Analysis Method: 8082A | Date Collected: 09/19/2016 14:40

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.13(g) | Date Analyzed: 09/25/2016 16:11

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 12.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	56	27
11104-28-2	Aroclor-1221	26	U	56	26
11141-16-5	Aroclor-1232	18	U	56	18
53469-21-9	Aroclor-1242	22	U	56	22
12672-29-6	Aroclor-1248	19	U	56	19
11097-69-1	Aroclor-1254	16	U	56	16
11096-82-5	Aroclor-1260	20	U	56	20
37324-23-5	Aroclor-1262	28	J	56	9.0
11100-14-4	Aroclor-1268	22	U	56	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	64		14-128
2051-24-3	DCB Decachlorobiphenyl	72		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925010.D
Lims ID: 240-69767-B-29-A
Client ID: DR-SB-254-0-3
Sample Type: Client
Inject. Date: 25-Sep-2016 16:11:14 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058326-010
Operator ID: Instrument ID: A2HP12

Method: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\PCB12IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 11:49:29 Calib Date: 05-Sep-2016 20:36:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP12\20160902-57717.b\P120905033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 10:58:32

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.875	2.867	0.009	383284539	0.0500	
2	3.604	3.599	0.004	93597962	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.164	4.163	0.001	101589922	0.0128	
2	5.008	5.007	0.001	28581671	0.0130	
					RPD = 1.20	
3 PCB-1221						
1		4.457			ND	
1		4.667				
1		4.722				
2		5.495				
2		5.705				
2		5.791				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.724			ND	
1		5.221				
1		5.842				
1		6.013				
1		6.541				
2		5.791				
2		6.373				
2		6.986				
2		7.163				
2		7.765				
5 PCB-1242						
1		4.724			ND	
1		5.222				
1		5.842				
1		6.013				
1		6.542				
2		5.792				
2		6.373				
2		6.987				
2		7.163				
2		7.767				
6 PCB-1016						
1		4.725			ND	
1		5.224				
1		5.842				
1		6.015				
1		6.543				
2		5.792				
2		6.375				
2		6.987				
2		7.164				
2		7.767				
7 PCB-1248						
1		5.222			ND	
1		6.542				
1		7.071				
1		7.336				
1		7.809				
2		6.374				
2		6.984				
2		7.767				
2		8.295				
2		9.079				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1		7.016			ND	
1		7.342				
1		7.809				
1		8.139				
1		8.680				
2		8.289				
2		8.529				
2		9.078				
2		9.351				
2		9.986				
10 PCB-1260						M
1		8.030			ND	
1		8.361				
1		8.680				
1		9.461				
1		9.777				
2		9.313				
2		9.565				
2		9.985				
2		10.704				
2		11.078				
9 PCB-1262						M
1	8.359	8.361	-0.002	6601763	0.0195	
1	8.820	8.820	0.000	7025988	0.0213	
1	9.098	9.098	0.000	6753717	0.0184	
1	9.457	9.460	-0.003	28069582	0.0358	
1	9.824	9.825	-0.001	7468974	0.0276	
		Average of Peak Amounts =			0.0245	
2	9.565	9.565	0.000	1901124	0.009155	
2	10.097	10.095	0.002	2843463	0.0139	M
2	10.430	10.428	0.002	2578951	0.0116	M
2	0.000	10.704	-10.704	0	0	
2	11.075	11.075	0.000	7451637	0.0396	
		Average of Peak Amounts =			0.0186	
					RPD = 27.76 √	
11 PCB-1268						
1		9.826			ND	
1		9.868				
1		10.091				
1		10.482				
1		10.775				
2		11.072				
2		11.119				
2		11.365				
2		11.637				
2		11.936				
$ 12 DCB Decachlorobiphenyl						
1	10.960	10.960	0.000	101176356	0.0144	
2	12.165	12.164	0.001	29757779	0.0172	
					RPD = 17.72	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

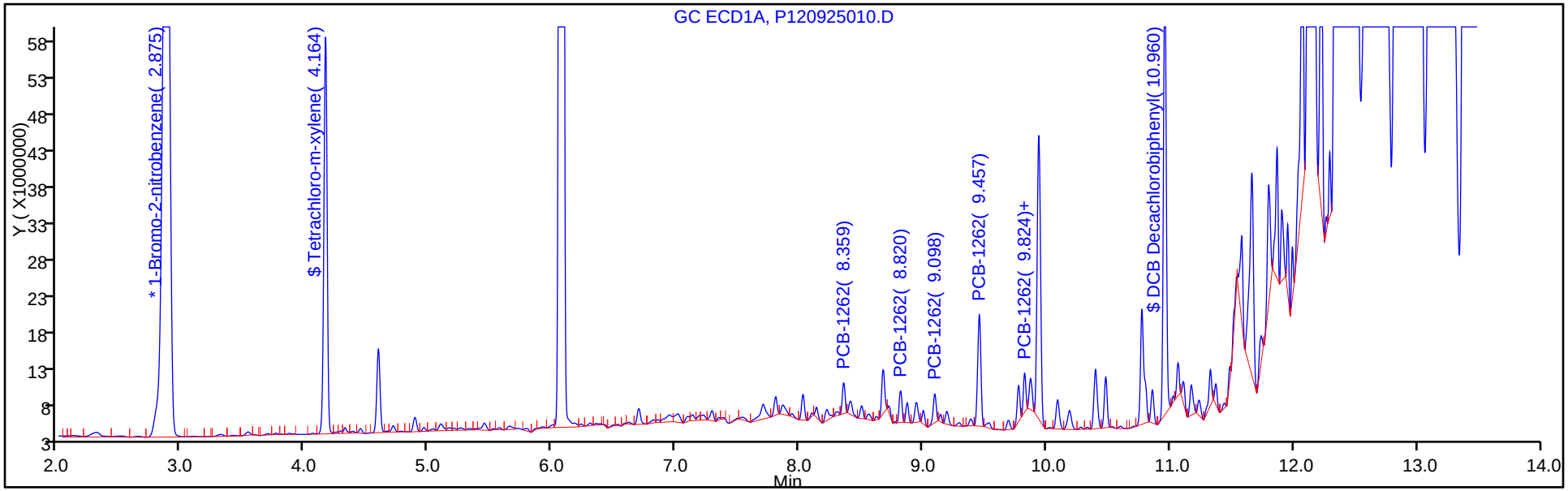
Report Date: 26-Sep-2016 11:49:39 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

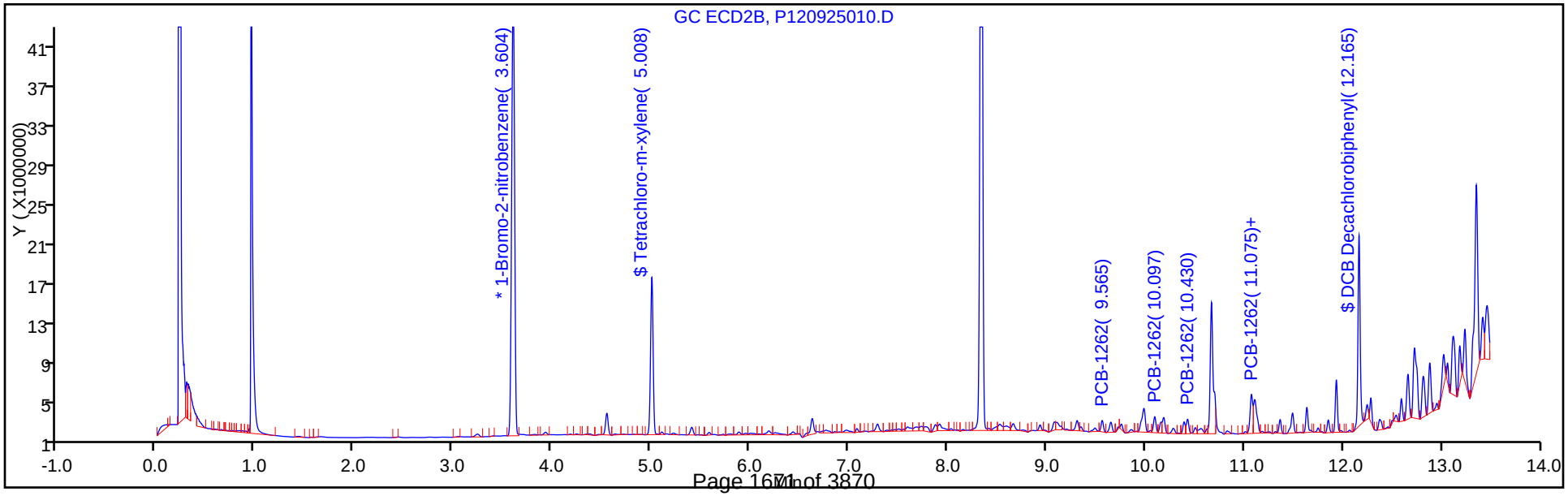
Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925010.D

Injection Date:	25-Sep-2016 16:11:14	Instrument ID:	A2HP12	Operator ID:	
Lims ID:	240-69767-B-29-A	Lab Sample ID:	240-69767-29	Worklist Smp#:	10
Client ID:	DR-SB-254-0-3				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 11:49:42 Chrom Revision: 2.2 08-Sep-2016 14:45:52

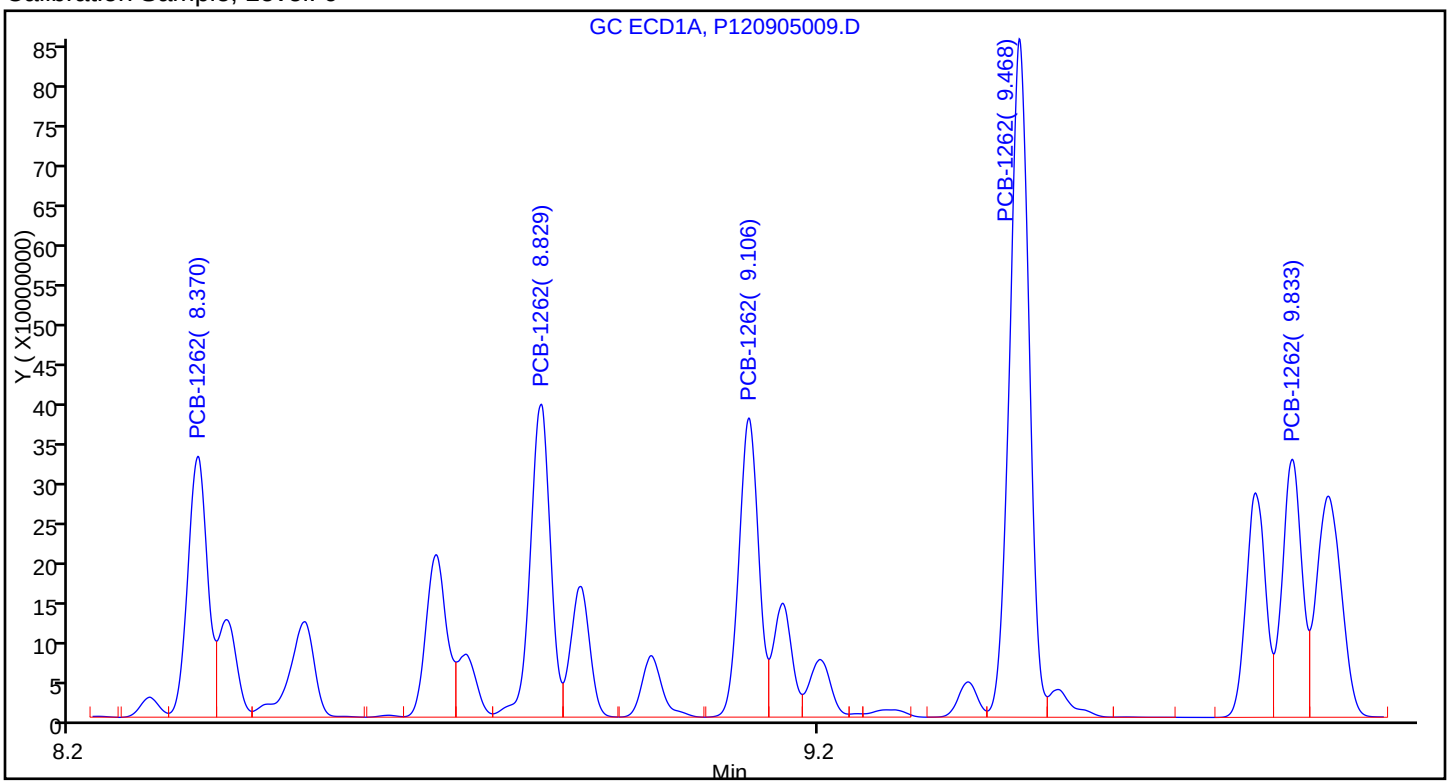
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925010.D

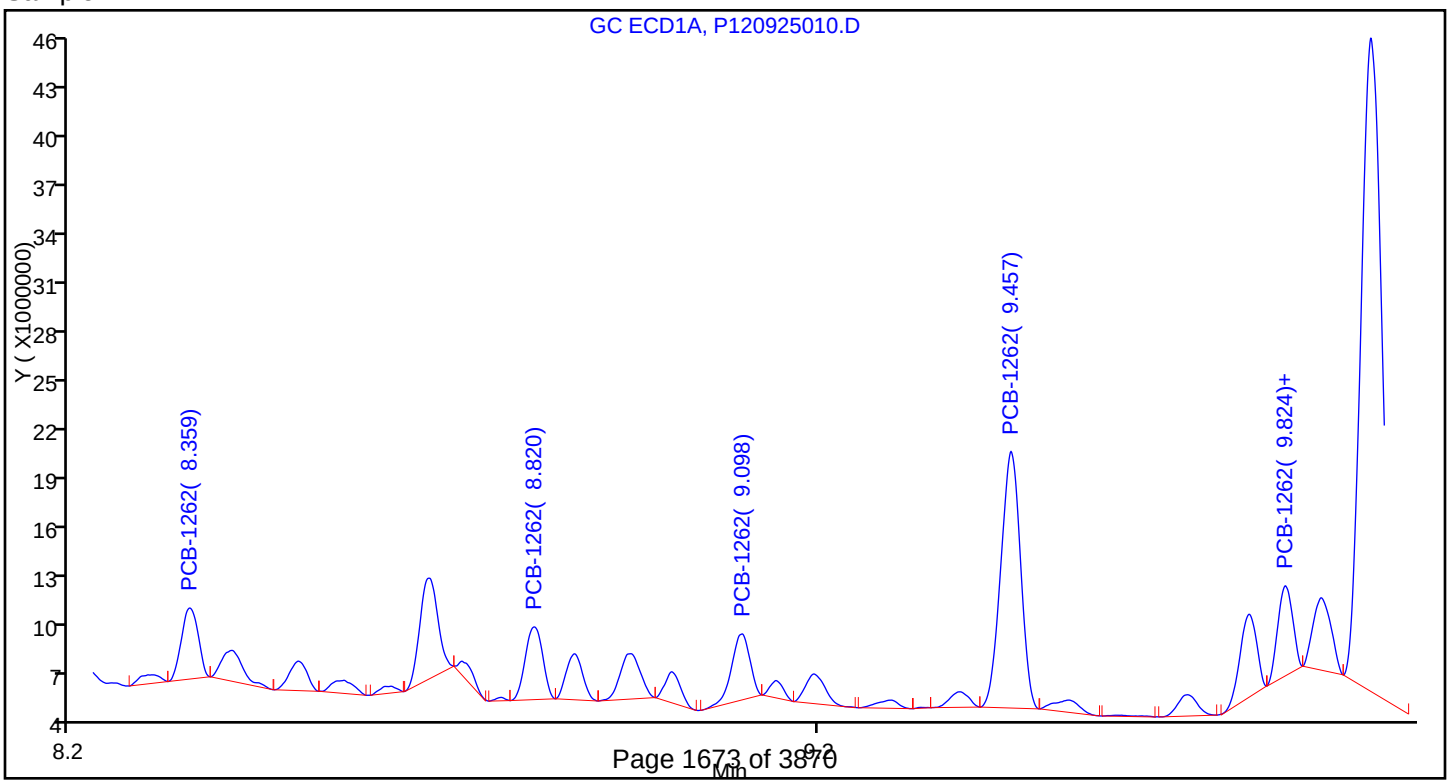
Injection Date:	25-Sep-2016 16:11:14	Instrument ID:	A2HP12
Lims ID:	240-69767-B-29-A	Lab Sample ID:	240-69767-29
Client ID:	DR-SB-254-0-3		
Operator ID:		ALS Bottle#:	10 Worklist Smp#: 10
Injection Vol:	1.0 uL	Dil. Factor:	1.0000
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS
Column:		Detector	GC ECD1A

9 PCB-1262, CAS: 37324-23-5

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-254-24-27 | Lab Sample ID: 240-69767-30

Matrix: Solid | Lab File ID: P120925011.D

Analysis Method: 8082A | Date Collected: 09/19/2016 14:42

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 9.89(g) | Date Analyzed: 09/25/2016 16:28

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 18.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	30	U	62	30
11104-28-2	Aroclor-1221	29	U	62	29
11141-16-5	Aroclor-1232	20	U	62	20
53469-21-9	Aroclor-1242	25	U	62	25
12672-29-6	Aroclor-1248	21	U	62	21
11097-69-1	Aroclor-1254	17	J	62	17
11096-82-5	Aroclor-1260	22	U	62	22
37324-23-5	Aroclor-1262	9.9	U	62	9.9
11100-14-4	Aroclor-1268	25	U	62	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	62		14-128
2051-24-3	DCB Decachlorobiphenyl	107		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925011.D
Lims ID: 240-69767-B-30-A
Client ID: DR-SB-254-24-27
Sample Type: Client
Inject. Date: 25-Sep-2016 16:28:44 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058326-011
Operator ID: Instrument ID: A2HP12

Method: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\PCB12IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 11:49:29 Calib Date: 05-Sep-2016 20:36:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP12\20160902-57717.b\P120905033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 11:05:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.877	2.867	0.010	369419383	0.0500	
2	3.605	3.599	0.005	94887777	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.165	4.163	0.002	95390620	0.0125	
2	5.009	5.007	0.002	26341454	0.0118	
					RPD = 5.72	
3 PCB-1221						
1		4.457			ND	
1		4.667				
1		4.722				
2		5.495				
2		5.705				
2		5.791				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.724			ND	
1		5.221				
1		5.842				
1		6.013				
1		6.541				
2		5.791				
2		6.373				
2		6.986				
2		7.163				
2		7.765				
5 PCB-1242						
1		4.724			ND	
1		5.222				
1		5.842				
1		6.013				
1		6.542				
2		5.792				
2		6.373				
2		6.987				
2		7.163				
2		7.767				
6 PCB-1016						
1		4.725			ND	
1		5.224				
1		5.842				
1		6.015				
1		6.543				
2		5.792				
2		6.375				
2		6.987				
2		7.164				
2		7.767				
7 PCB-1248						
1		5.222			ND	
1		6.542				
1		7.071				
1		7.336				
1		7.809				
2		6.374				
2		6.984				
2		7.767				
2		8.295				
2		9.079				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	7.013	7.016	-0.003	6677805	0.0236	
1	7.345	7.342	0.003	2097440	0.002204	
1	7.808	7.809	-0.001	10162799	0.0192	
1	8.138	8.139	-0.001	3682188	0.009702	
1	8.677	8.680	-0.003	9229368	0.0158	
		Average of Peak Amounts =			0.0141	
2	8.295	8.289	0.006	2847946	0.0116	
2	0.000	8.529	0.000	0	0	
2	9.080	9.078	0.002	7316525	0.0377	
2	9.355	9.351	0.004	2344195	0.006705	
2	9.985	9.986	-0.001	3094654	0.002074	
		Average of Peak Amounts =			0.0145	
					RPD = 2.98	✓
10 PCB-1260						
1		8.030			ND	
1		8.361				
1		8.680				
1		9.461				
1		9.777				
2		9.313				
2		9.565				
2		9.985				
2		10.704				
2		11.078				
9 PCB-1262						
1		8.361			ND	
1		8.820				
1		9.098				
1		9.460				
1		9.825				
2		9.565				
2		10.095				
2		10.428				
2		10.704				
2		11.075				
11 PCB-1268						
1		9.826			ND	
1		9.868				
1		10.091				
1		10.482				
1		10.775				
2		11.072				
2		11.119				
2		11.365				
2		11.637				
2		11.936				
$ 12 DCB Decachlorobiphenyl						
1	10.961	10.960	0.001	144682446	0.0213	
2	12.165	12.164	0.001	19687395	0.0112	
					RPD = 62.23	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

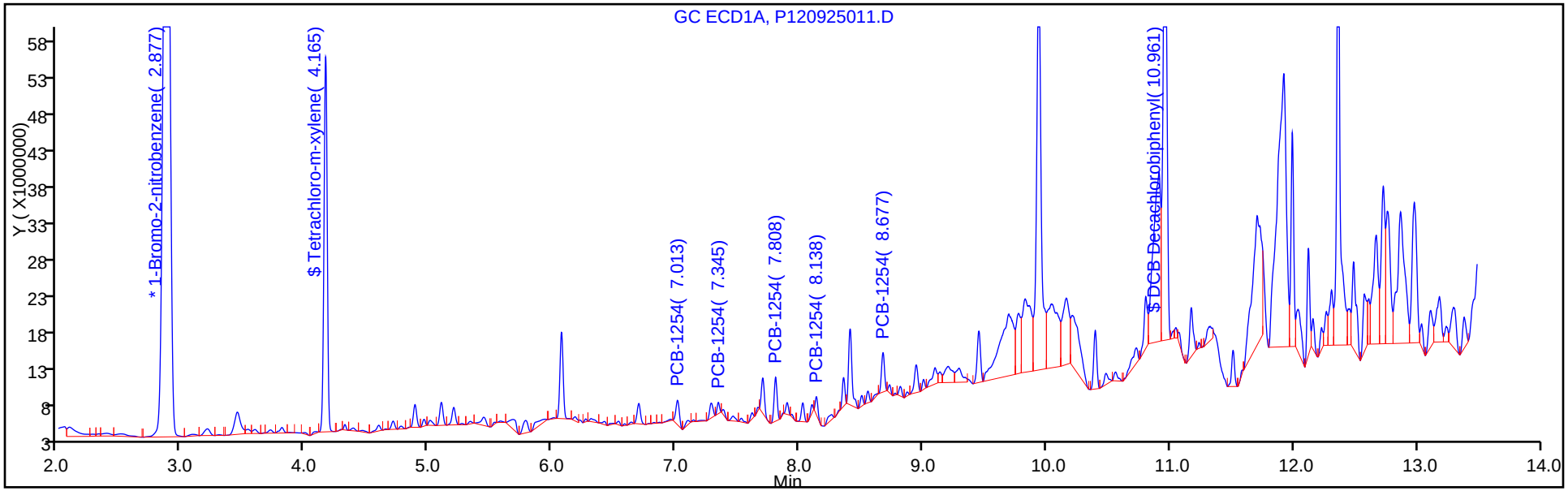
Report Date: 26-Sep-2016 11:49:48 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

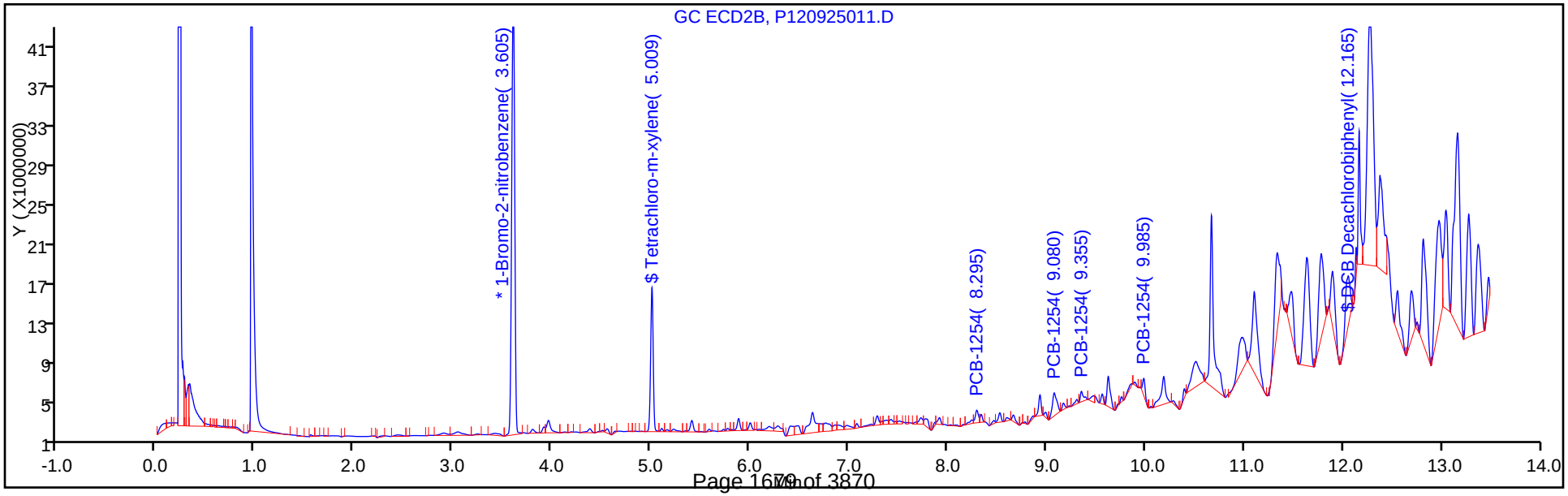
Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925011.D

Injection Date:	25-Sep-2016 16:28:44	Instrument ID:	A2HP12	Operator ID:	
Lims ID:	240-69767-B-30-A	Lab Sample ID:	240-69767-30	Worklist Smp#:	11
Client ID:	DR-SB-254-24-27				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 11:49:51 Chrom Revision: 2.2 08-Sep-2016 14:45:52

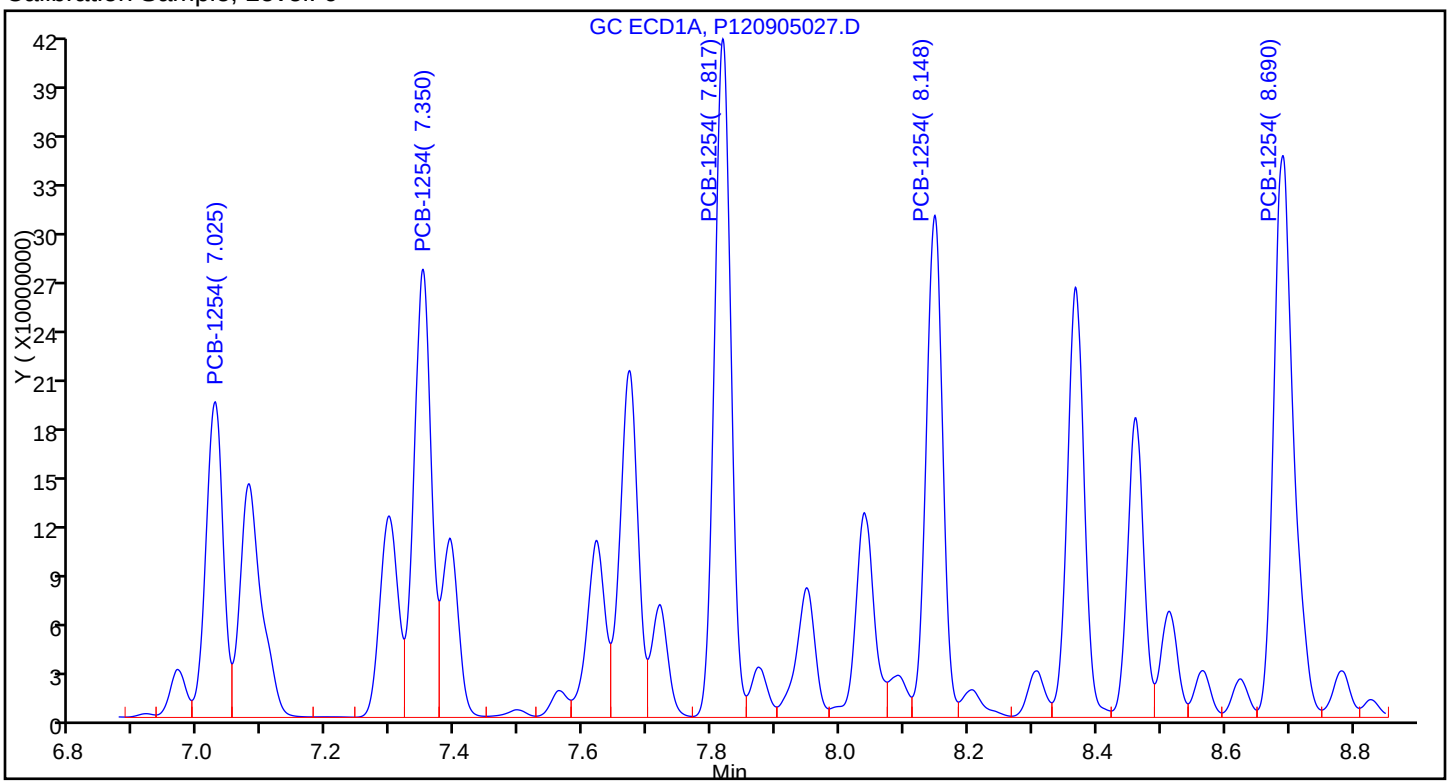
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925011.D

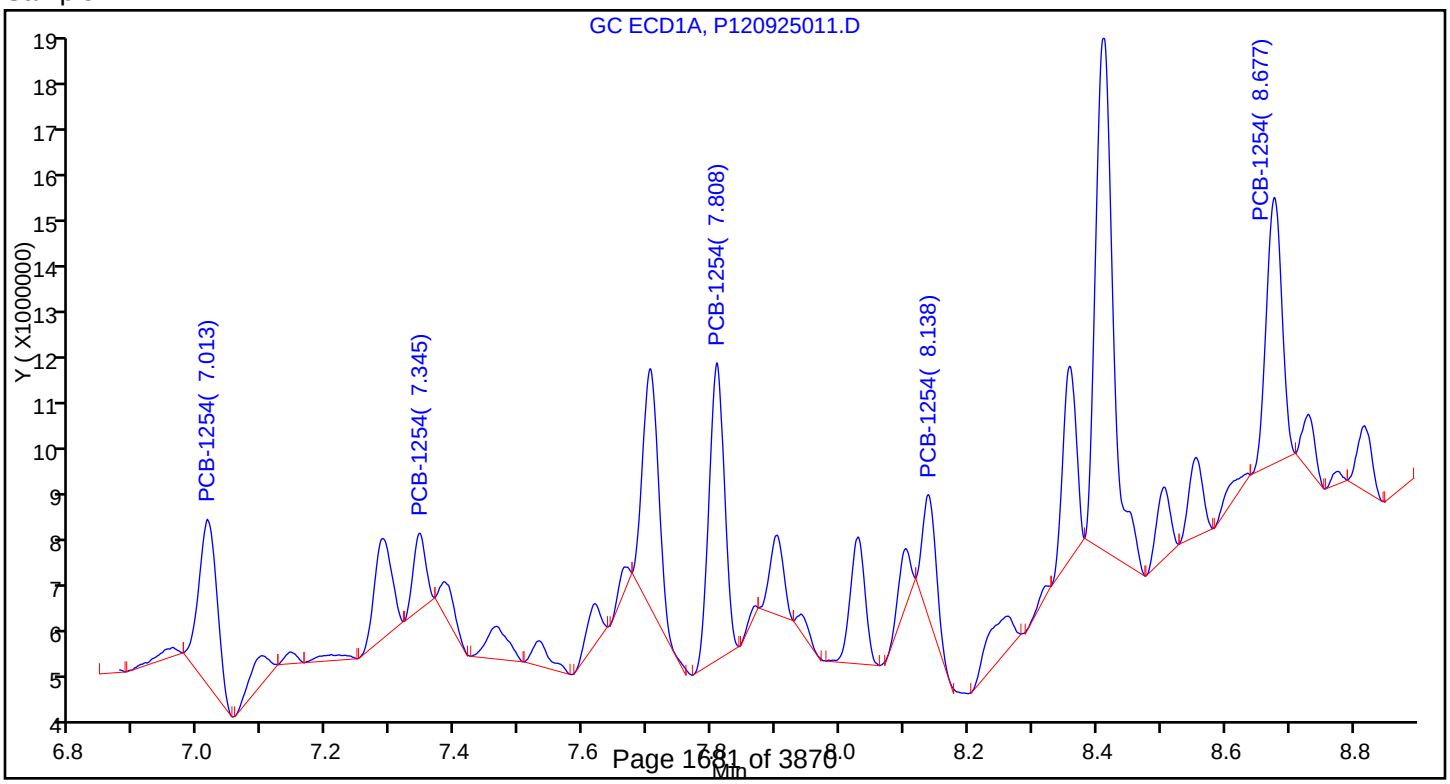
Injection Date:	25-Sep-2016 16:28:44	Instrument ID:	A2HP12		
Lims ID:	240-69767-B-30-A	Lab Sample ID:	240-69767-30		
Client ID:	DR-SB-254-24-27				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		
Column:		Detector	GC ECD1A		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-254-48-51 | Lab Sample ID: 240-69767-31

Matrix: Solid | Lab File ID: P120925012.D

Analysis Method: 8082A | Date Collected: 09/19/2016 14:45

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 9.95(g) | Date Analyzed: 09/25/2016 16:46

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 13.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	28	U	58	28
11104-28-2	Aroclor-1221	27	U	58	27
11141-16-5	Aroclor-1232	19	U	58	19
53469-21-9	Aroclor-1242	23	U	58	23
12672-29-6	Aroclor-1248	20	U	58	20
11097-69-1	Aroclor-1254	100		58	16
11096-82-5	Aroclor-1260	21	U	58	21
37324-23-5	Aroclor-1262	9.3	U	58	9.3
11100-14-4	Aroclor-1268	23	U	58	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	48		14-128
2051-24-3	DCB Decachlorobiphenyl	60		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925012.D
Lims ID: 240-69767-B-31-A
Client ID: DR-SB-254-48-51
Sample Type: Client
Inject. Date: 25-Sep-2016 16:46:20 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058326-012
Operator ID: Instrument ID: A2HP12

Method: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\PCB12IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 11:49:29 Calib Date: 05-Sep-2016 20:36:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP12\20160902-57717.b\P120905033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 11:07:48

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.874	2.867	0.007	490890013	0.0500	
2	3.604	3.599	0.005	91042243	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.165	4.163	0.002	98430590	0.009686	
2	5.008	5.007	0.001	26650030	0.0124	
					RPD = 24.75	
3 PCB-1221						
1		4.457			ND	
1		4.667				
1		4.722				
2		5.495				
2		5.705				
2		5.791				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.724			ND	
1		5.221				
1		5.842				
1		6.013				
1		6.541				
2		5.791				
2		6.373				
2		6.986				
2		7.163				
2		7.765				
5 PCB-1242						
1		4.724			ND	
1		5.222				
1		5.842				
1		6.013				
1		6.542				
2		5.792				
2		6.373				
2		6.987				
2		7.163				
2		7.767				
6 PCB-1016						
1		4.725			ND	
1		5.224				
1		5.842				
1		6.015				
1		6.543				
2		5.792				
2		6.375				
2		6.987				
2		7.164				
2		7.767				
7 PCB-1248						
1		5.222			ND	
1		6.542				
1		7.071				
1		7.336				
1		7.809				
2		6.374				
2		6.984				
2		7.767				
2		8.295				
2		9.079				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	7.017	7.016	0.001	25909273	0.0769	
1	7.343	7.342	0.001	33391621	0.0691	
1	7.809	7.809	0.000	60460464	0.0910	
1	8.139	8.139	0.000	45882448	0.0937	
1	8.681	8.680	0.001	76177508	0.1129	
		Average of Peak Amounts =			0.0887	
2	8.292	8.289	0.003	7819997	0.0822	
2	8.530	8.529	0.001	9432954	0.0879	
2	9.078	9.078	0.000	18095389	0.1303	
2	9.352	9.351	0.001	7851682	0.0712	
2	9.987	9.986	0.001	20703004	0.1531	
		Average of Peak Amounts =			0.1050	
					RPD = 16.76	√
10 PCB-1260						
1		8.030			ND	
1		8.361				
1		8.680				
1		9.461				
1		9.777				
2		9.313				
2		9.565				
2		9.985				
2		10.704				
2		11.078				
9 PCB-1262						
1		8.361			ND	
1		8.820				
1		9.098				
1		9.460				
1		9.825				
2		9.565				
2		10.095				
2		10.428				
2		10.704				
2		11.075				
11 PCB-1268						
1		9.826			ND	
1		9.868				
1		10.091				
1		10.482				
1		10.775				
2		11.072				
2		11.119				
2		11.365				
2		11.637				
2		11.936				
$ 12 DCB Decachlorobiphenyl						
1	10.961	10.960	0.001	107749542	0.0120	
2	12.165	12.164	0.001	24462381	0.0145	
					RPD = 19.33	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

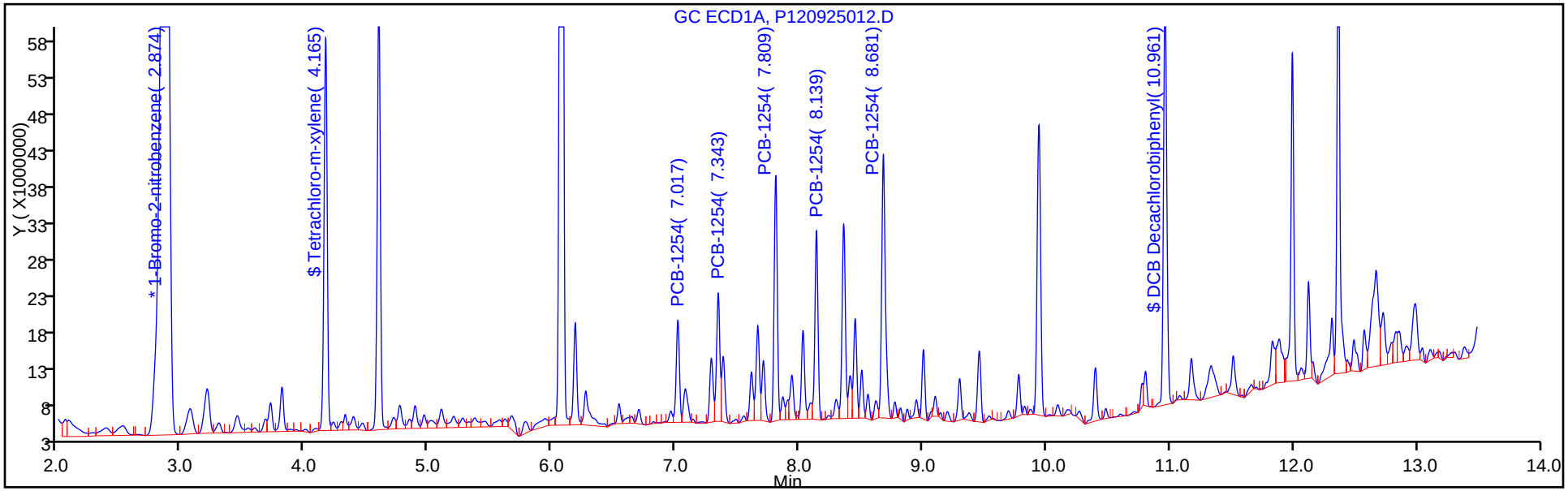
Report Date: 26-Sep-2016 11:49:57 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

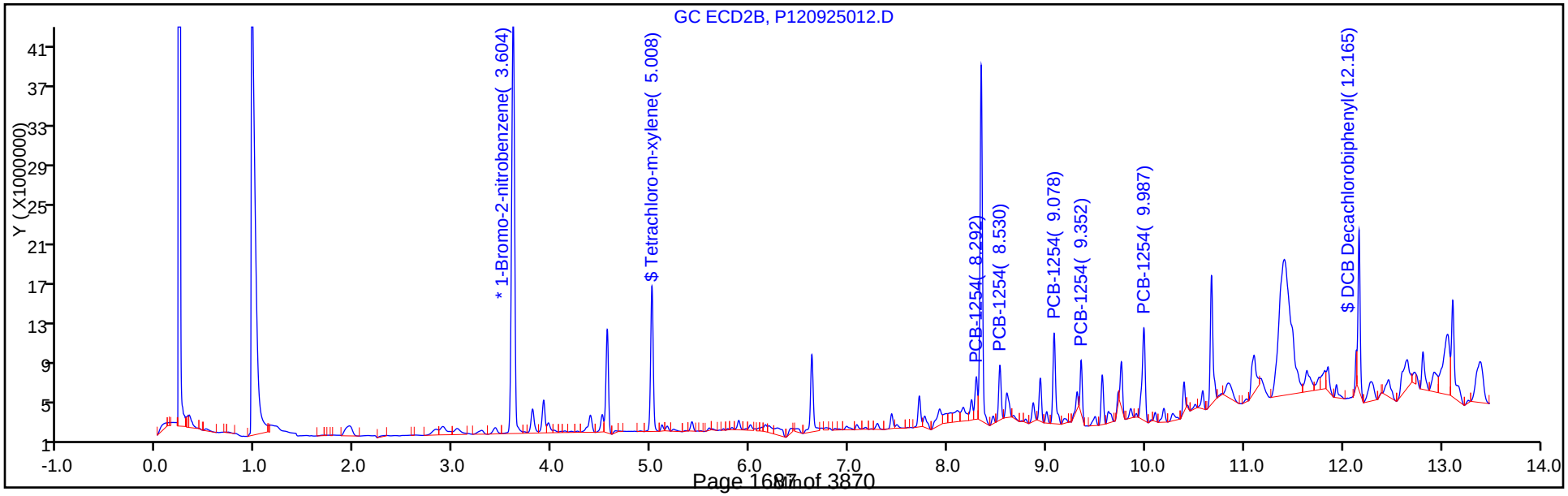
Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925012.D

Injection Date:	25-Sep-2016 16:46:20	Instrument ID:	A2HP12	Operator ID:	
Lims ID:	240-69767-B-31-A	Lab Sample ID:	240-69767-31	Worklist Smp#:	12
Client ID:	DR-SB-254-48-51				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 11:49:57 Chrom Revision: 2.2 08-Sep-2016 14:45:52

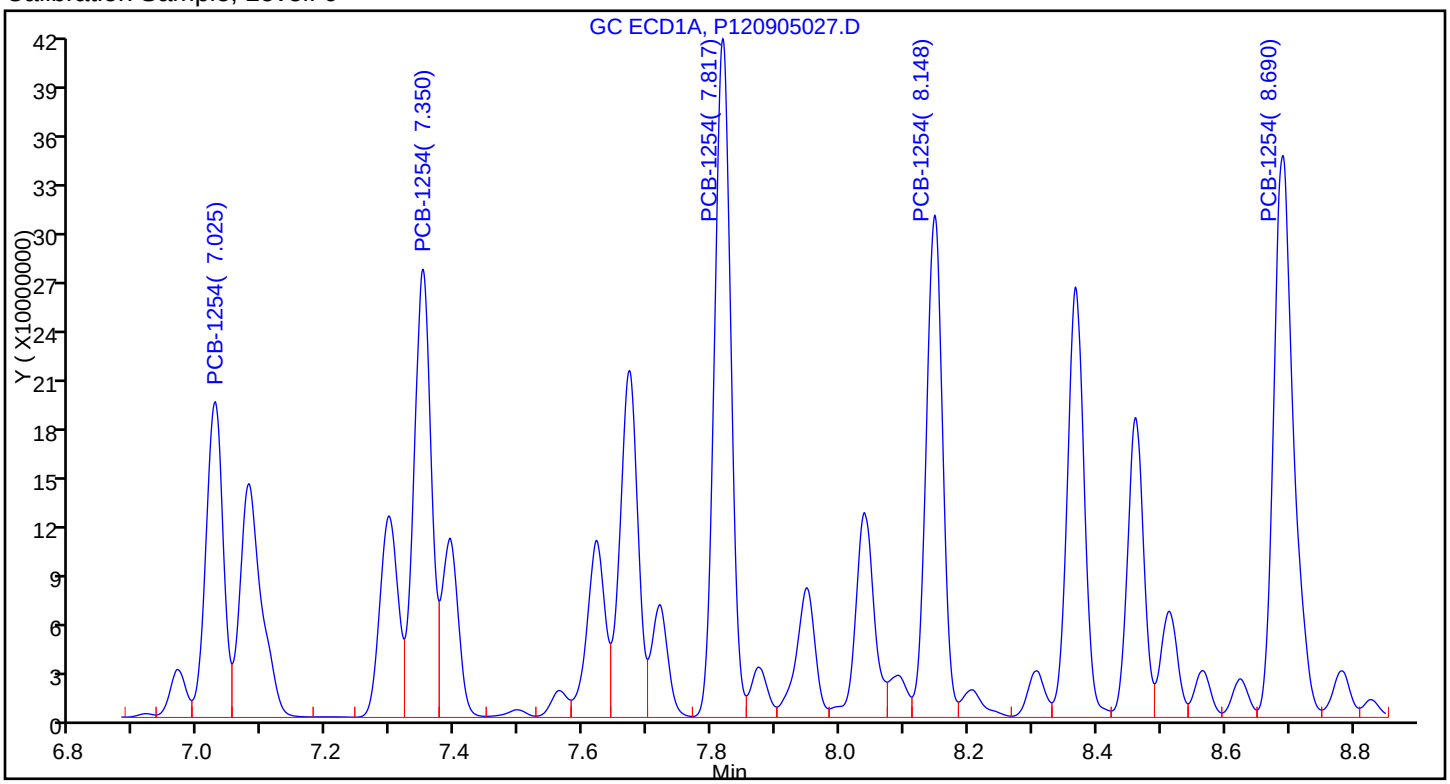
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925012.D

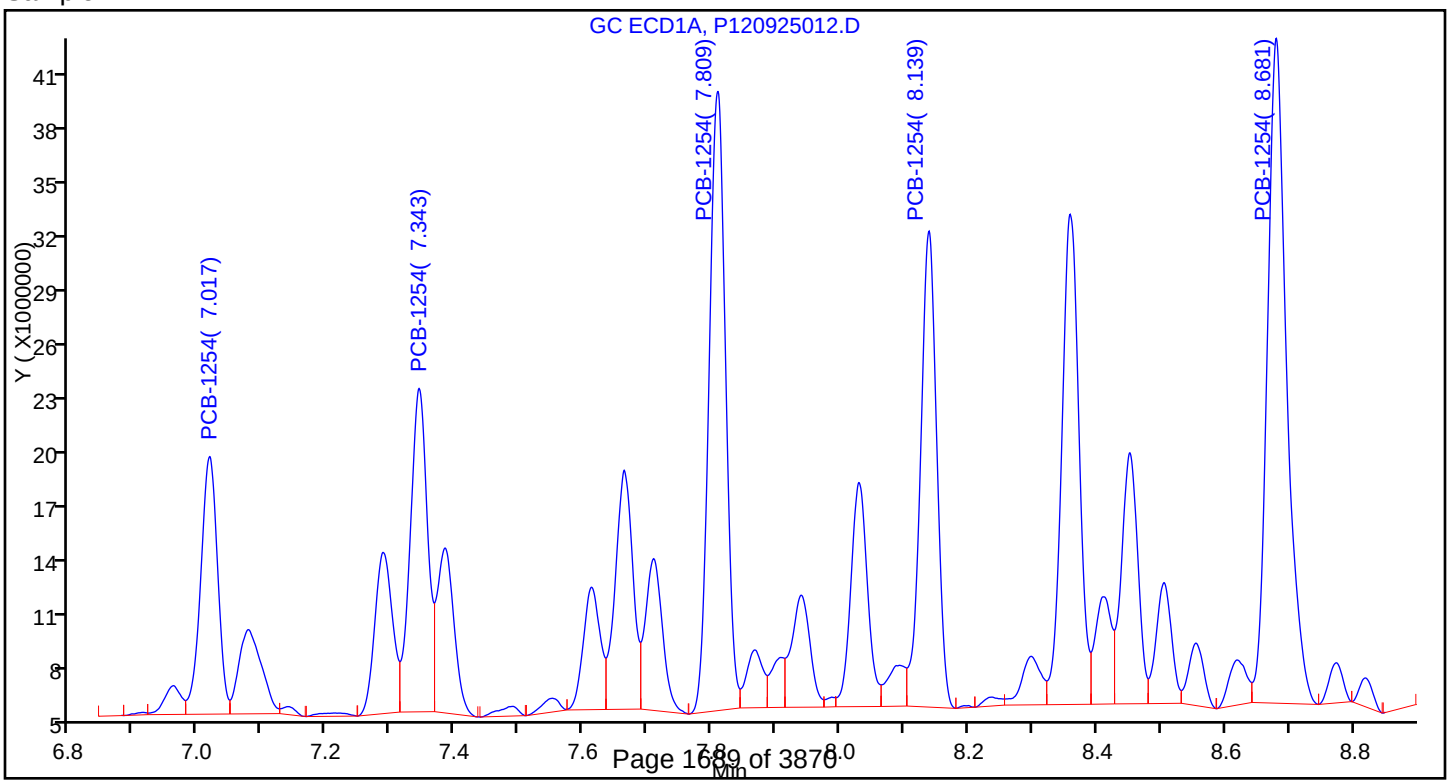
Injection Date:	25-Sep-2016 16:46:20	Instrument ID:	A2HP12
Lims ID:	240-69767-B-31-A	Lab Sample ID:	240-69767-31
Client ID:	DR-SB-254-48-51		
Operator ID:		ALS Bottle#:	12 Worklist Smp#: 12
Injection Vol:	1.0 uL	Dil. Factor:	1.0000
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS
Column:		Detector	GC ECD1A

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-254-72-75 | Lab Sample ID: 240-69767-32

Matrix: Solid | Lab File ID: P120925013.D

Analysis Method: 8082A | Date Collected: 09/19/2016 14:47

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 9.88(g) | Date Analyzed: 09/25/2016 17:04

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 14.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	28	U	59	28
11104-28-2	Aroclor-1221	27	U	59	27
11141-16-5	Aroclor-1232	19	U	59	19
53469-21-9	Aroclor-1242	24	U	59	24
12672-29-6	Aroclor-1248	20	U	59	20
11097-69-1	Aroclor-1254	28	J	59	17
11096-82-5	Aroclor-1260	21	U	59	21
37324-23-5	Aroclor-1262	9.5	U	59	9.5
11100-14-4	Aroclor-1268	24	U	59	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	62		14-128
2051-24-3	DCB Decachlorobiphenyl	64	p	10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925013.D
Lims ID: 240-69767-B-32-A
Client ID: DR-SB-254-72-75
Sample Type: Client
Inject. Date: 25-Sep-2016 17:04:01 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058326-013
Operator ID: Instrument ID: A2HP12

Method: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\PCB12IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 11:49:29 Calib Date: 05-Sep-2016 20:36:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP12\20160902-57717.b\P120905033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 11:09:38

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.883	2.867	0.016	393926916	0.0500	
2	3.606	3.599	0.007	92923440	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.166	4.163	0.003	100794960	0.0124	
2	5.008	5.007	0.001	26930273	0.0123	
					RPD = 0.50	
3 PCB-1221						
1		4.457			ND	
1		4.667				
1		4.722				
2		5.495				
2		5.705				
2		5.791				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.724			ND	
1		5.221				
1		5.842				
1		6.013				
1		6.541				
2		5.791				
2		6.373				
2		6.986				
2		7.163				
2		7.765				
5 PCB-1242						
1		4.724			ND	
1		5.222				
1		5.842				
1		6.013				
1		6.542				
2		5.792				
2		6.373				
2		6.987				
2		7.163				
2		7.767				
6 PCB-1016						
1		4.725			ND	
1		5.224				
1		5.842				
1		6.015				
1		6.543				
2		5.792				
2		6.375				
2		6.987				
2		7.164				
2		7.767				
7 PCB-1248						M
1		5.222			ND	
1		6.542				
1		7.071				
1		7.336				
1		7.809				
2		6.374				
2		6.984				
2		7.767				
2		8.295				
2		9.079				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						M
1	7.016	7.016	0.000	7498608	0.0251	M
1	7.343	7.342	0.001	7873983	0.0176	M
1	7.808	7.809	-0.001	13720858	0.0247	M
1	8.138	8.139	-0.001	11365555	0.0287	M
1	8.678	8.680	-0.002	14147473	0.0240	M
		Average of Peak Amounts =			0.0240	
2	8.296	8.289	0.007	4094305	0.0294	
2	8.528	8.529	-0.001	3788705	0.0191	
2	9.079	9.078	0.001	5379999	0.0231	
2	0.000	9.351	0.000	0	0	
2	9.987	9.986	0.001	4703868	0.0160	
		Average of Peak Amounts =			0.0219	
					RPD = 9.15	
10 PCB-1260						M
1		8.030			ND	
1		8.361				
1		8.680				
1		9.461				
1		9.777				
2		9.313				
2		9.565				
2		9.985				
2		10.704				
2		11.078				
9 PCB-1262						
1		8.361			ND	
1		8.820				
1		9.098				
1		9.460				
1		9.825				
2		9.565				
2		10.095				
2		10.428				
2		10.704				
2		11.075				
11 PCB-1268						
1		9.826			ND	
1		9.868				
1		10.091				
1		10.482				
1		10.775				
2		11.072				
2		11.119				
2		11.365				
2		11.637				
2		11.936				
$ 12 DCB Decachlorobiphenyl						
1	10.959	10.960	-0.001	93146356	0.0129	
2	12.164	12.164	0.000	40491311	0.0235	
					RPD = 58.53	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

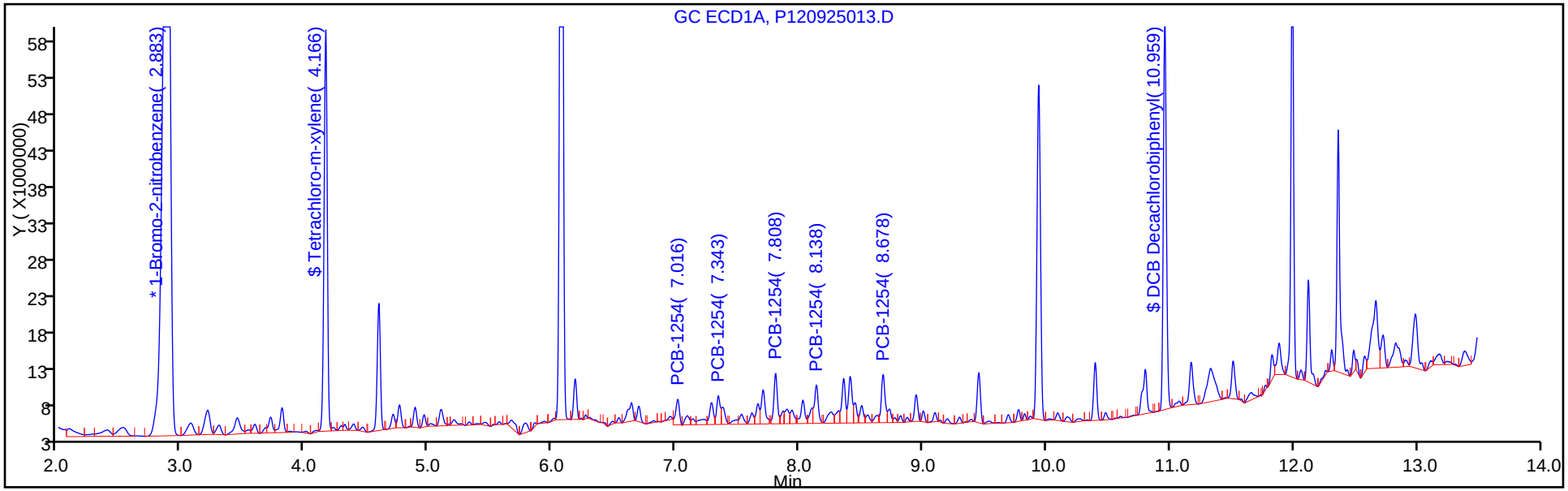
Report Date: 26-Sep-2016 11:50:01 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

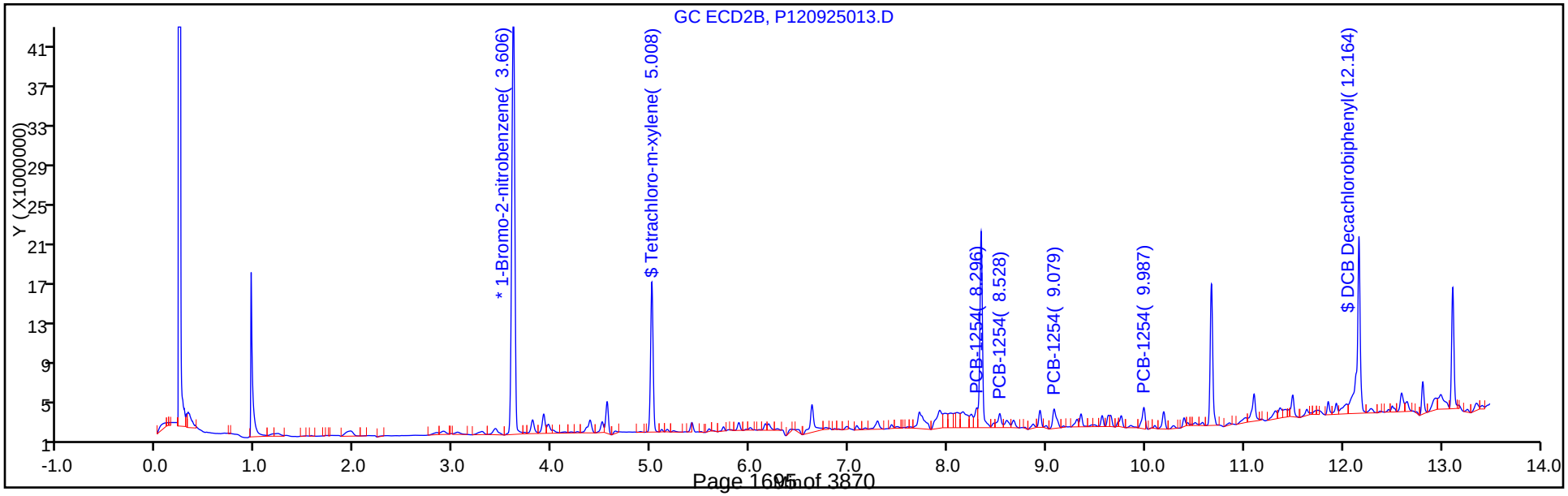
Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925013.D

Injection Date:	25-Sep-2016 17:04:01	Instrument ID:	A2HP12	Operator ID:	
Lims ID:	240-69767-B-32-A	Lab Sample ID:	240-69767-32	Worklist Smp#:	13
Client ID:	DR-SB-254-72-75				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 11:50:02 Chrom Revision: 2.2 08-Sep-2016 14:45:52

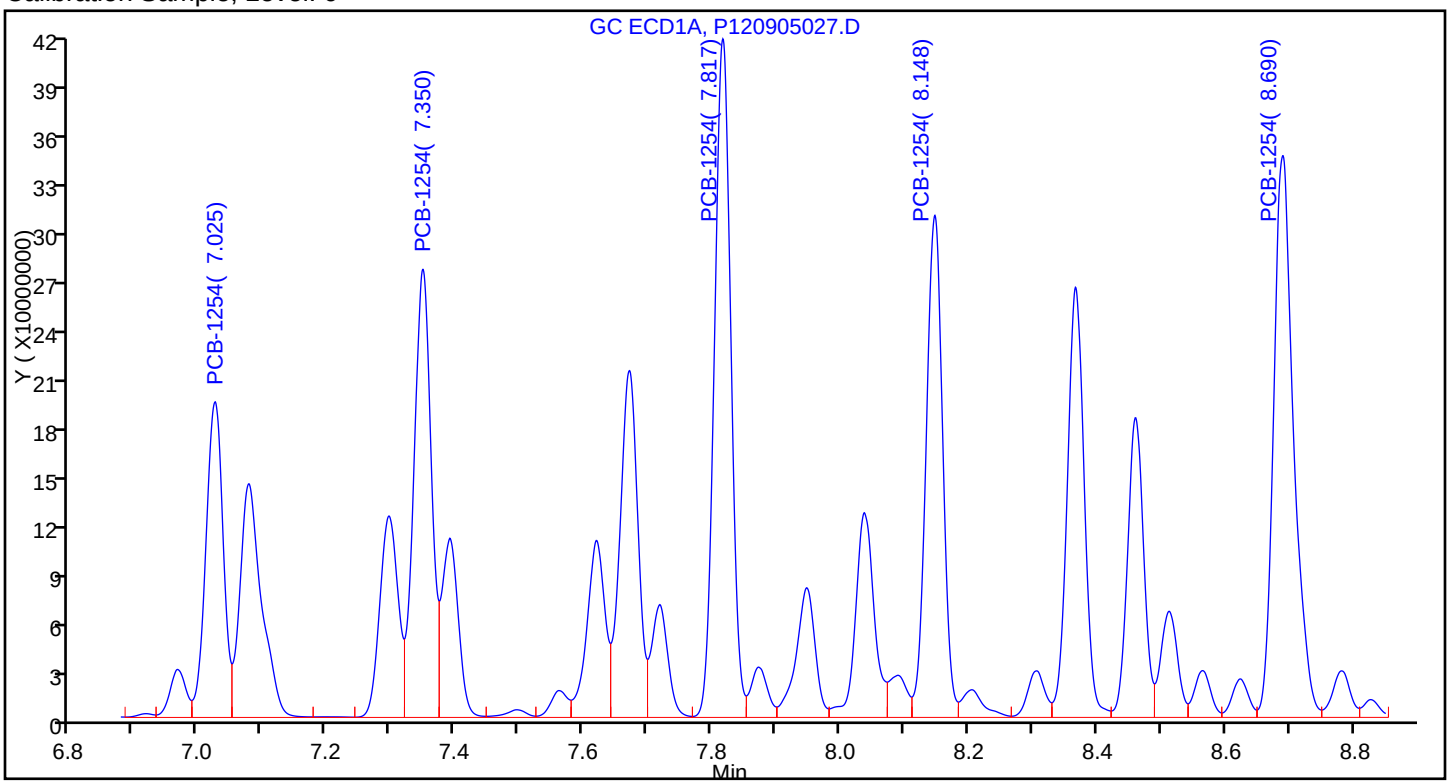
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925013.D

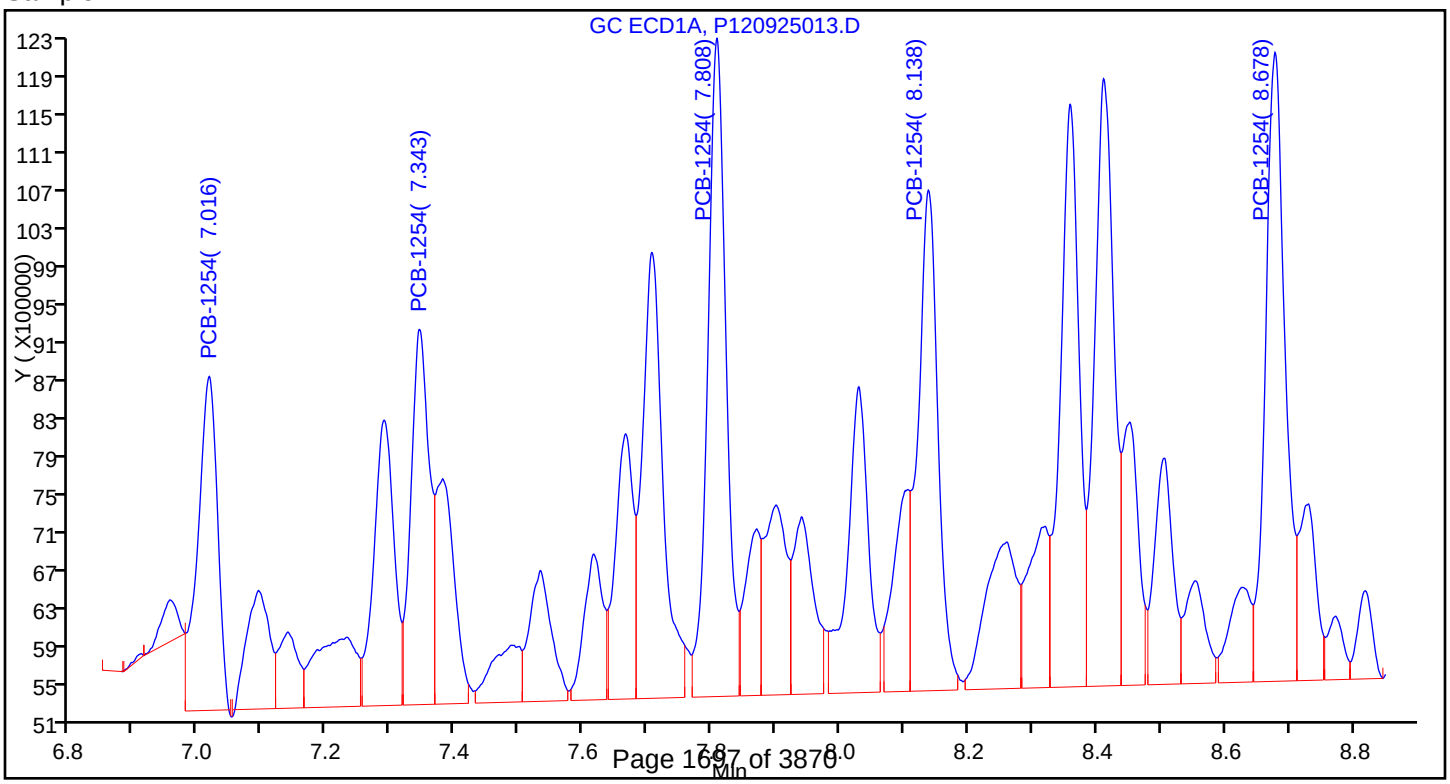
Injection Date:	25-Sep-2016 17:04:01	Instrument ID:	A2HP12
Lims ID:	240-69767-B-32-A	Lab Sample ID:	240-69767-32
Client ID:	DR-SB-254-72-75		
Operator ID:		ALS Bottle#:	13 Worklist Smp#: 13
Injection Vol:	1.0 uL	Dil. Factor:	1.0000
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS
Column:		Detector	GC ECD1A

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



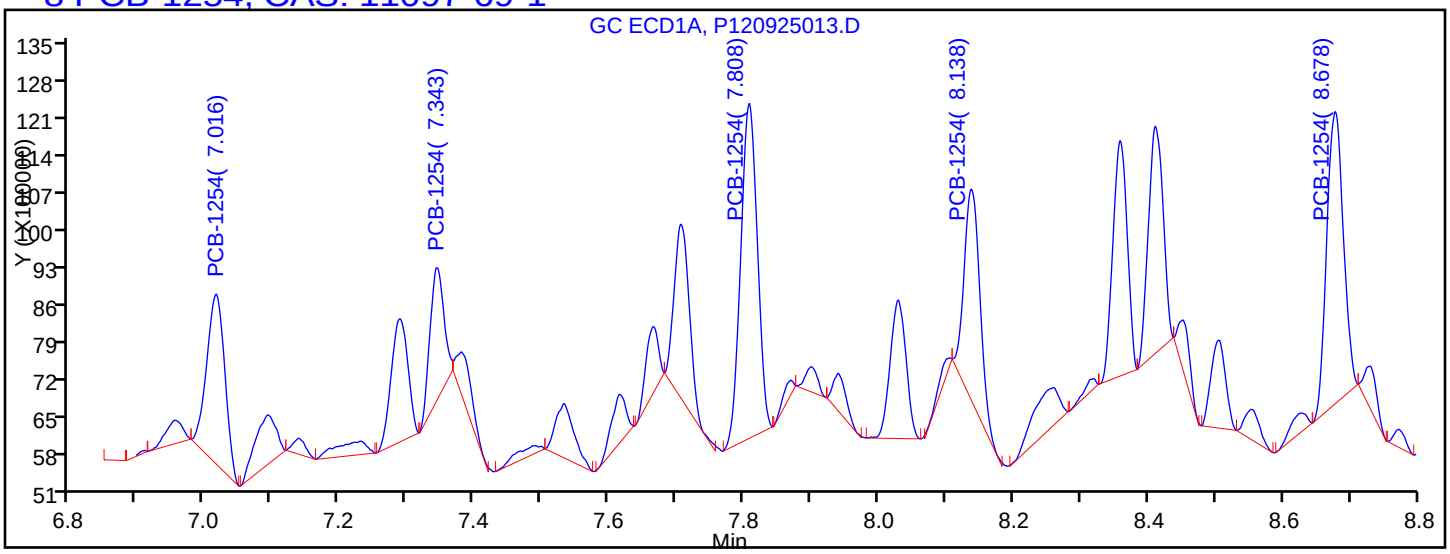
Report Date: 26-Sep-2016 11:50:02 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925013.D

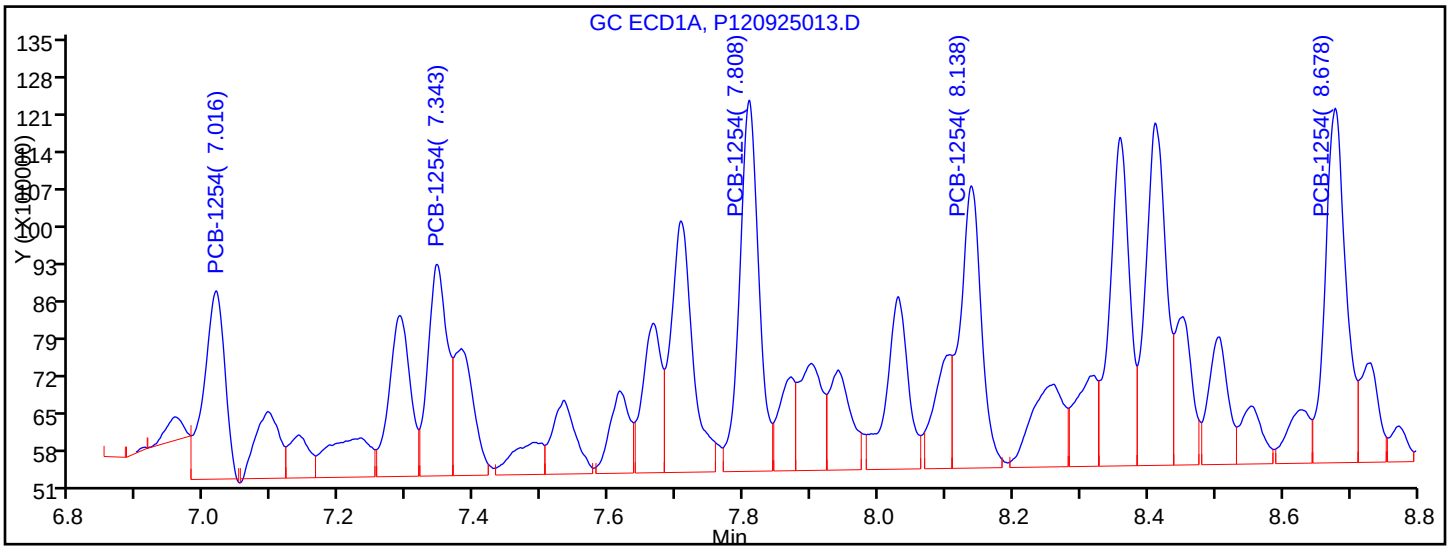
Injection Date:	25-Sep-2016 17:04:01	Instrument ID:	A2HP12		
Lims ID:	240-69767-B-32-A	Lab Sample ID:	240-69767-32		
Client ID:	DR-SB-254-72-75				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		
Column:		Detector	GC ECD1A		

8 PCB-1254, CAS: 11097-69-1



Processing Integration Results

7.016	Response = 5926184
7.343	Response = 3588391
7.808	Response = 10793360
8.138	Response = 6486529
8.678	Response = 9421097



Manual Integration Results

7.016	Response = 7498608	M
7.343	Response = 7873983	M
7.808	Response = 13720858	M
8.138	Response = 11365555	M
8.678	Response = 14147473	M

Reviewer: grantk, 26-Sep-2016 11:09:38

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-255-0-3 | Lab Sample ID: 240-69767-33

Matrix: Solid | Lab File ID: P120925014.D

Analysis Method: 8082A | Date Collected: 09/20/2016 10:40

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.18(g) | Date Analyzed: 09/25/2016 17:21

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 22.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	31	U	64	31
11104-28-2	Aroclor-1221	29	U	64	29
11141-16-5	Aroclor-1232	20	U	64	20
53469-21-9	Aroclor-1242	25	U	64	25
12672-29-6	Aroclor-1248	22	U	64	22
11097-69-1	Aroclor-1254	18	U	64	18
11096-82-5	Aroclor-1260	23	U	64	23
37324-23-5	Aroclor-1262	21	J	64	10
11100-14-4	Aroclor-1268	25	U	64	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	57		14-128
2051-24-3	DCB Decachlorobiphenyl	80		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925014.D
Lims ID: 240-69767-B-33-A
Client ID: DR-SB-255-0-3
Sample Type: Client
Inject. Date: 25-Sep-2016 17:21:40 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058326-014
Operator ID: Instrument ID: A2HP12

Method: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\PCB12IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 11:49:29 Calib Date: 05-Sep-2016 20:36:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP12\20160902-57717.b\P120905033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 11:11:06

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.872	2.867	0.005	386111465	0.0500	
2	3.603	3.599	0.004	94282425	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.163	4.163	0.000	91112851	0.0114	
2	5.007	5.007	0.000	25688547	0.0116	
					RPD = 1.42	
3 PCB-1221						
1		4.457			ND	
1		4.667				
1		4.722				
2		5.495				
2		5.705				
2		5.791				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.724			ND	
1		5.221				
1		5.842				
1		6.013				
1		6.541				
2		5.791				
2		6.373				
2		6.986				
2		7.163				
2		7.765				
5 PCB-1242						
1		4.724			ND	
1		5.222				
1		5.842				
1		6.013				
1		6.542				
2		5.792				
2		6.373				
2		6.987				
2		7.163				
2		7.767				
6 PCB-1016						
1		4.725			ND	
1		5.224				
1		5.842				
1		6.015				
1		6.543				
2		5.792				
2		6.375				
2		6.987				
2		7.164				
2		7.767				
7 PCB-1248						
1		5.222			ND	
1		6.542				
1		7.071				
1		7.336				
1		7.809				
2		6.374				
2		6.984				
2		7.767				
2		8.295				
2		9.079				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1		7.016			ND	
1		7.342				
1		7.809				
1		8.139				
1		8.680				
2		8.289				
2		8.529				
2		9.078				
2		9.351				
2		9.986				
10 PCB-1260						
1		8.030			ND	
1		8.361				
1		8.680				
1		9.461				
1		9.777				
2		9.313				
2		9.565				
2		9.985				
2		10.704				
2		11.078				
9 PCB-1262						
1	8.361	8.361	0.000	3904620	0.0131	
1	8.819	8.820	-0.001	3446455	0.0142	
1	9.097	9.098	-0.001	4151279	0.0129	
1	9.456	9.460	-0.004	14654339	0.0232	
1	9.825	9.825	0.000	4743574	0.0209	
		Average of Peak Amounts =			0.0169	
2	9.565	9.565	0.000	1613346	0.005409	
2	0.000	10.095	0.000	0	0	
2	0.000	10.428	0.000	0	0	
2	0.000	10.704	-10.704	0	0	
2	11.077	11.075	0.002	4167978	0.0172	
		Average of Peak Amounts =			0.0113	
					RPD = 39.34	
11 PCB-1268						
1		9.826			ND	
1		9.868				
1		10.091				
1		10.482				
1		10.775				
2		11.072				
2		11.119				
2		11.365				
2		11.637				
2		11.936				
$ 12 DCB Decachlorobiphenyl						
1	10.960	10.960	0.000	114006782	0.0161	
2	12.165	12.164	0.001	32028093	0.0184	
					RPD = 13.16	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

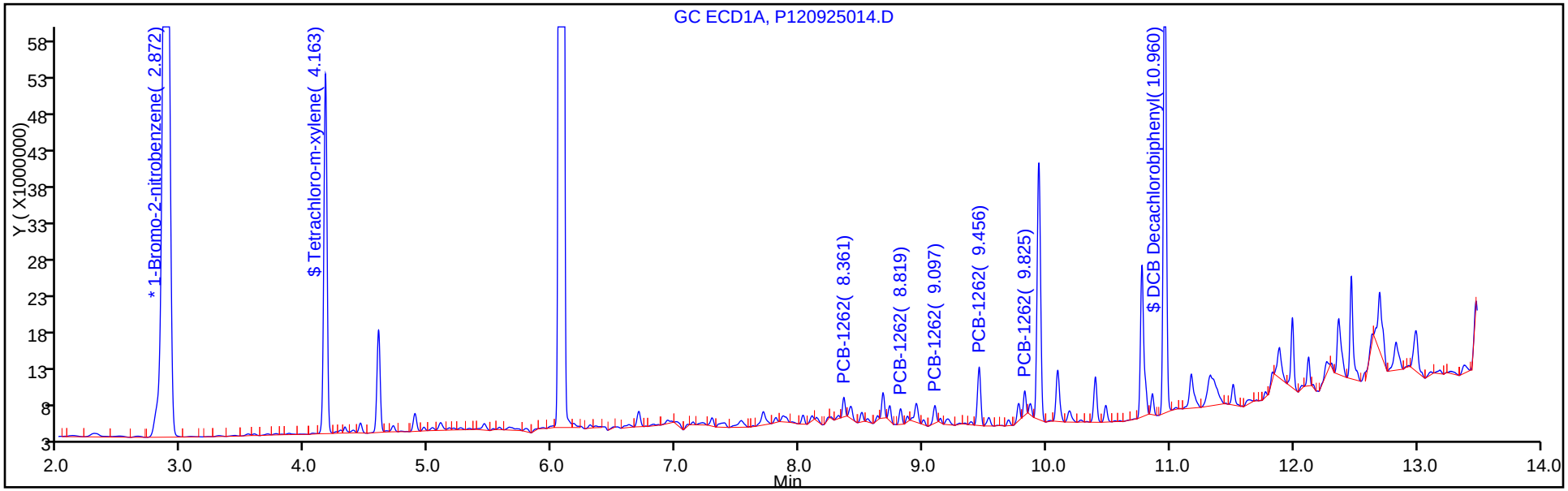
Report Date: 26-Sep-2016 11:50:08 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

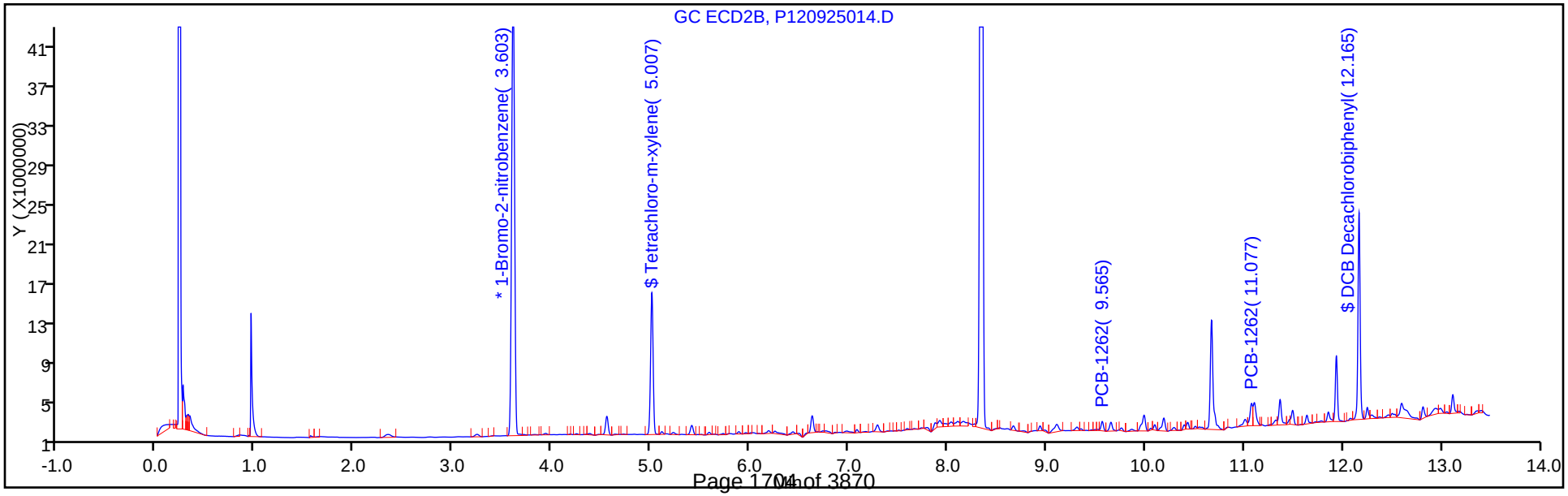
Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925014.D

Injection Date:	25-Sep-2016 17:21:40	Instrument ID:	A2HP12	Operator ID:	
Lims ID:	240-69767-B-33-A	Lab Sample ID:	240-69767-33	Worklist Smp#:	14
Client ID:	DR-SB-255-0-3				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 11:50:08 Chrom Revision: 2.2 08-Sep-2016 14:45:52

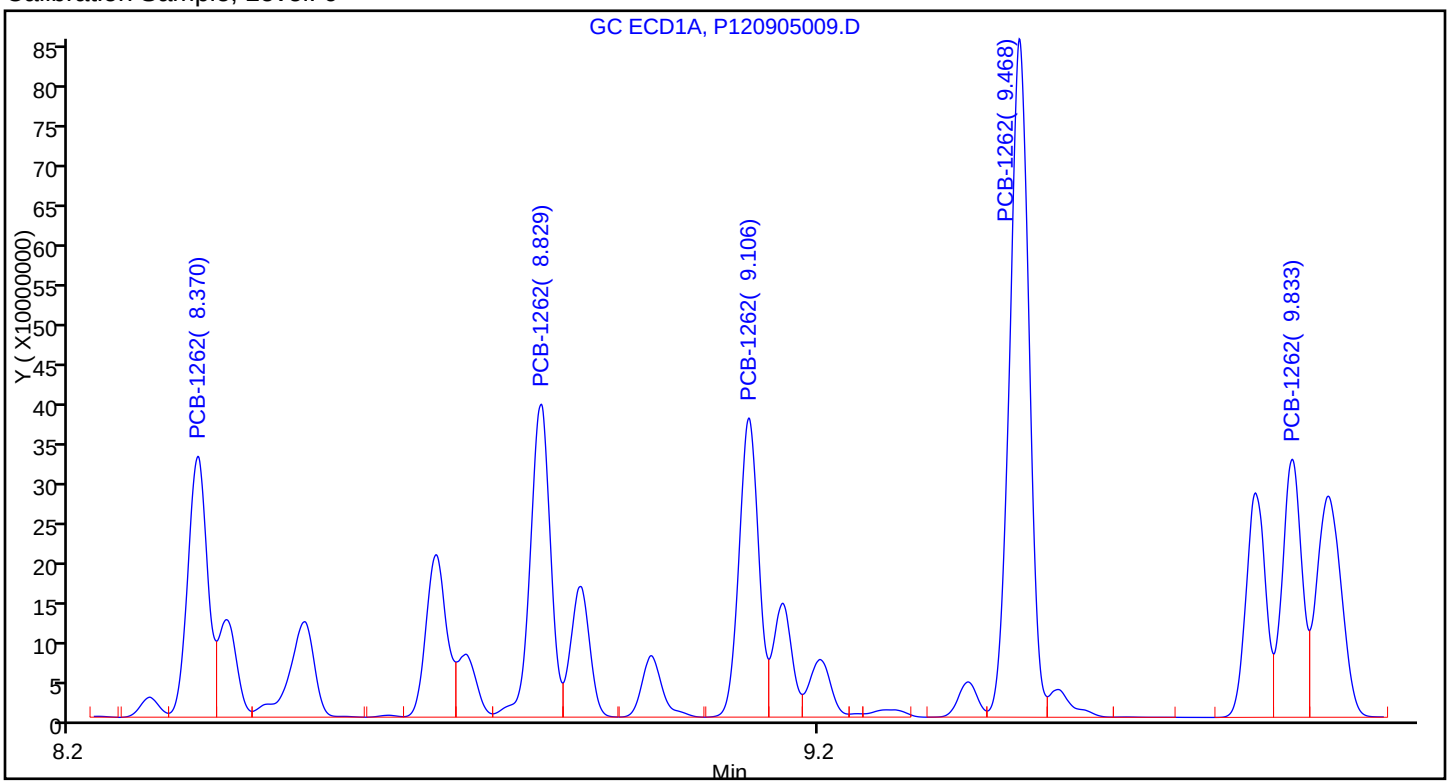
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925014.D

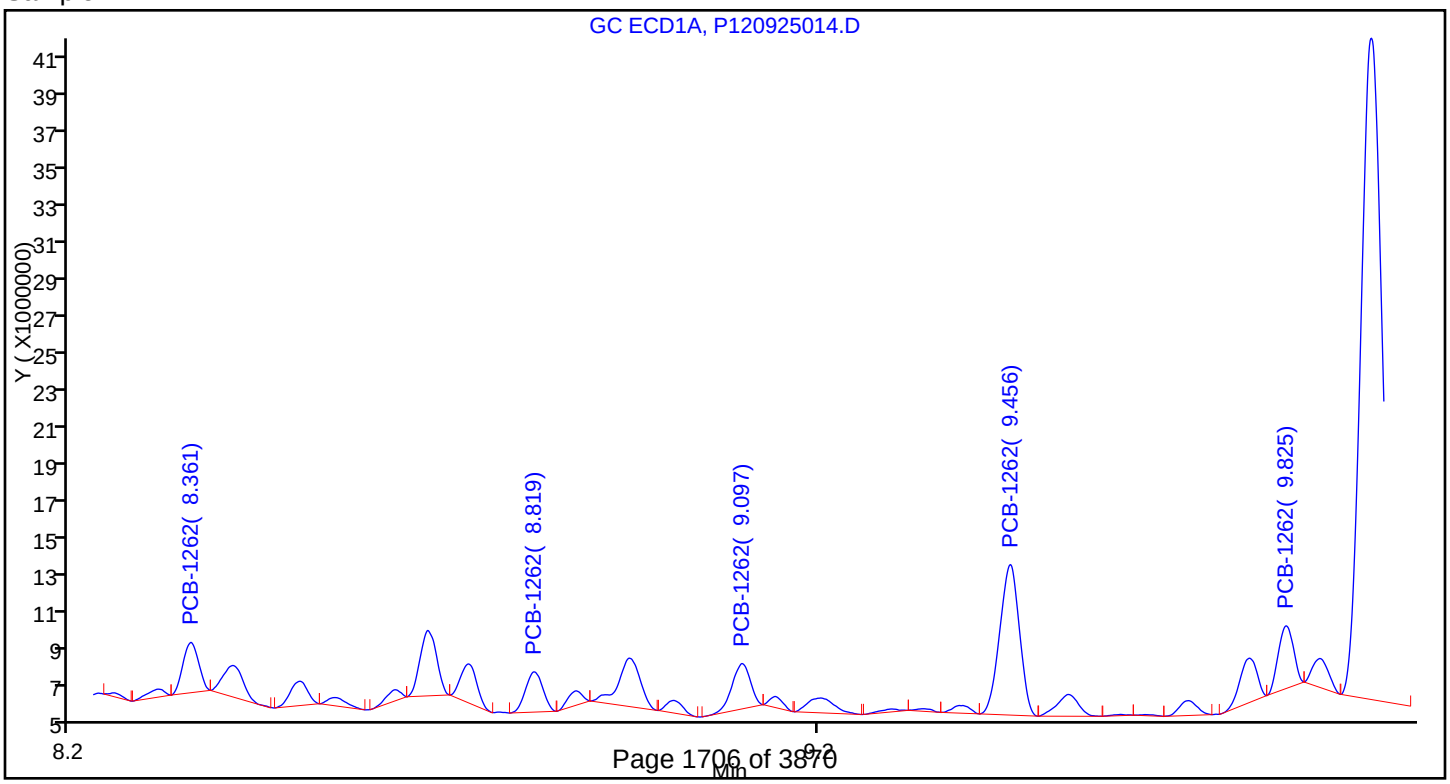
Injection Date:	25-Sep-2016 17:21:40	Instrument ID:	A2HP12
Lims ID:	240-69767-B-33-A	Lab Sample ID:	240-69767-33
Client ID:	DR-SB-255-0-3		
Operator ID:		ALS Bottle#:	14 Worklist Smp#: 14
Injection Vol:	1.0 uL	Dil. Factor:	1.0000
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS
Column:		Detector	GC ECD1A

9 PCB-1262, CAS: 37324-23-5

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-255-24-27 | Lab Sample ID: 240-69767-34

Matrix: Solid | Lab File ID: P120925015.D

Analysis Method: 8082A | Date Collected: 09/20/2016 10:41

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 9.64(g) | Date Analyzed: 09/25/2016 17:39

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 16.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	30	U	62	30
11104-28-2	Aroclor-1221	29	U	62	29
11141-16-5	Aroclor-1232	20	U	62	20
53469-21-9	Aroclor-1242	25	U	62	25
12672-29-6	Aroclor-1248	21	U	62	21
11097-69-1	Aroclor-1254	160		62	17
11096-82-5	Aroclor-1260	22	U	62	22
37324-23-5	Aroclor-1262	10	U	62	10
11100-14-4	Aroclor-1268	25	U	62	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	63		14-128
2051-24-3	DCB Decachlorobiphenyl	70		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925015.D
Lims ID: 240-69767-B-34-A
Client ID: DR-SB-255-24-27
Sample Type: Client
Inject. Date: 25-Sep-2016 17:39:14 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058326-015
Operator ID: Instrument ID: A2HP12

Method: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\PCB12IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 11:49:29 Calib Date: 05-Sep-2016 20:36:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP12\20160902-57717.b\P120905033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 11:11:36

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.880	2.867	0.013	358669360	0.0500	
2	3.605	3.599	0.005	91194730	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.165	4.163	0.002	93307787	0.0126	
2	5.009	5.007	0.002	25309915	0.0118	
					RPD = 6.49	
3 PCB-1221						
1		4.457			ND	
1		4.667				
1		4.722				
2		5.495				
2		5.705				
2		5.791				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.724			ND	
1		5.221				
1		5.842				
1		6.013				
1		6.541				
2		5.791				
2		6.373				
2		6.986				
2		7.163				
2		7.765				
5 PCB-1242						
1		4.724			ND	
1		5.222				
1		5.842				
1		6.013				
1		6.542				
2		5.792				
2		6.373				
2		6.987				
2		7.163				
2		7.767				
6 PCB-1016						
1		4.725			ND	
1		5.224				
1		5.842				
1		6.015				
1		6.543				
2		5.792				
2		6.375				
2		6.987				
2		7.164				
2		7.767				
7 PCB-1248						
1		5.222			ND	
1		6.542				
1		7.071				
1		7.336				
1		7.809				
2		6.374				
2		6.984				
2		7.767				
2		8.295				
2		9.079				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	7.016	7.016	0.000	28952886	0.1199	
1	7.343	7.342	0.001	32833138	0.0943	
1	7.808	7.809	-0.001	67558772	0.1399	
1	8.138	8.139	-0.001	37804525	0.1057	
1	8.679	8.680	-0.001	92661970	0.1899	
		Average of Peak Amounts =			0.1299	
2	8.289	8.289	0.000	8694334	0.0942	
2	8.529	8.529	0.000	11266784	0.1097	
2	9.078	9.078	0.000	20592250	0.1509	
2	9.352	9.351	0.001	9382087	0.0886	
2	9.986	9.986	0.000	24965132	0.1891	
		Average of Peak Amounts =			0.1265	
					RPD = 2.68	√
10 PCB-1260						
1		8.030			ND	
1		8.361				
1		8.680				
1		9.461				
1		9.777				
2		9.313				
2		9.565				
2		9.985				
2		10.704				
2		11.078				
9 PCB-1262						
1		8.361			ND	
1		8.820				
1		9.098				
1		9.460				
1		9.825				
2		9.565				
2		10.095				
2		10.428				
2		10.704				
2		11.075				
11 PCB-1268						
1		9.826			ND	
1		9.868				
1		10.091				
1		10.482				
1		10.775				
2		11.072				
2		11.119				
2		11.365				
2		11.637				
2		11.936				
$ 12 DCB Decachlorobiphenyl						
1	10.960	10.960	0.000	92560525	0.0141	
2	12.165	12.164	0.001	29229409	0.0173	
					RPD = 20.76	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

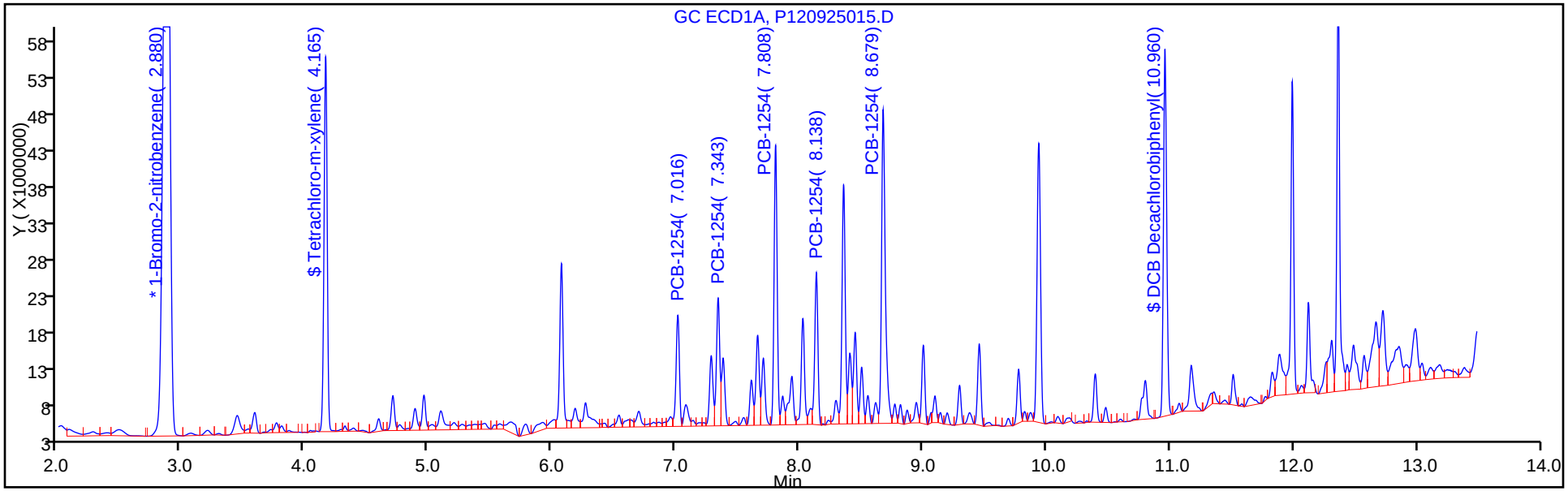
Report Date: 26-Sep-2016 11:50:12 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

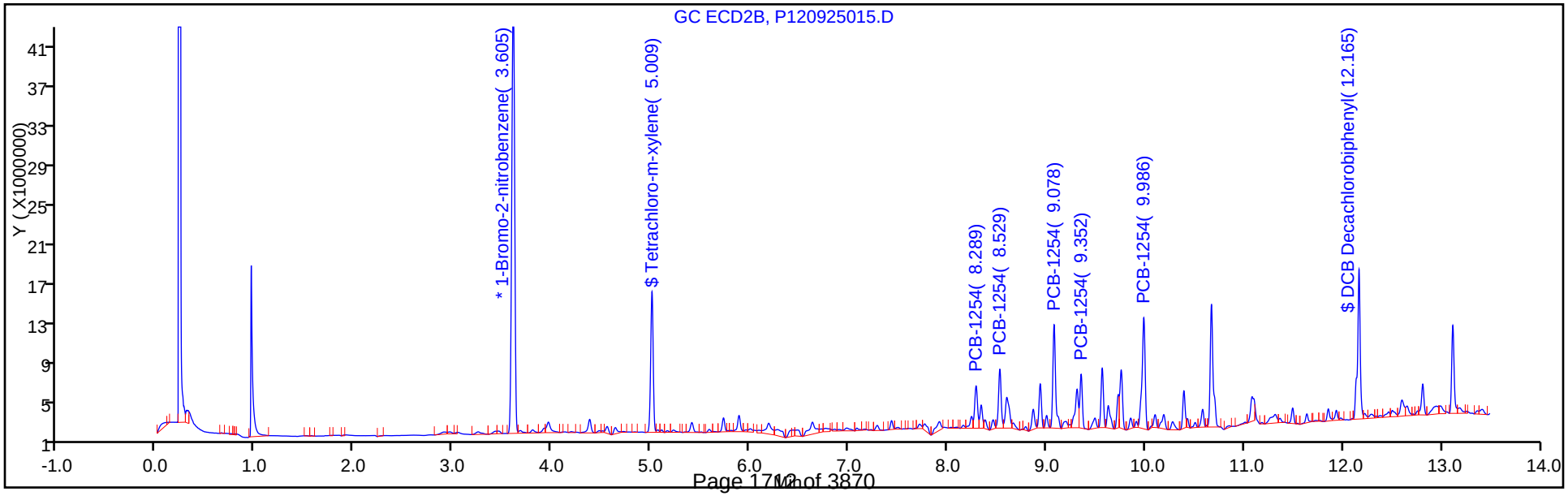
Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925015.D

Injection Date:	25-Sep-2016 17:39:14	Instrument ID:	A2HP12	Operator ID:	
Lims ID:	240-69767-B-34-A	Lab Sample ID:	240-69767-34	Worklist Smp#:	15
Client ID:	DR-SB-255-24-27				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 11:50:12 Chrom Revision: 2.2 08-Sep-2016 14:45:52

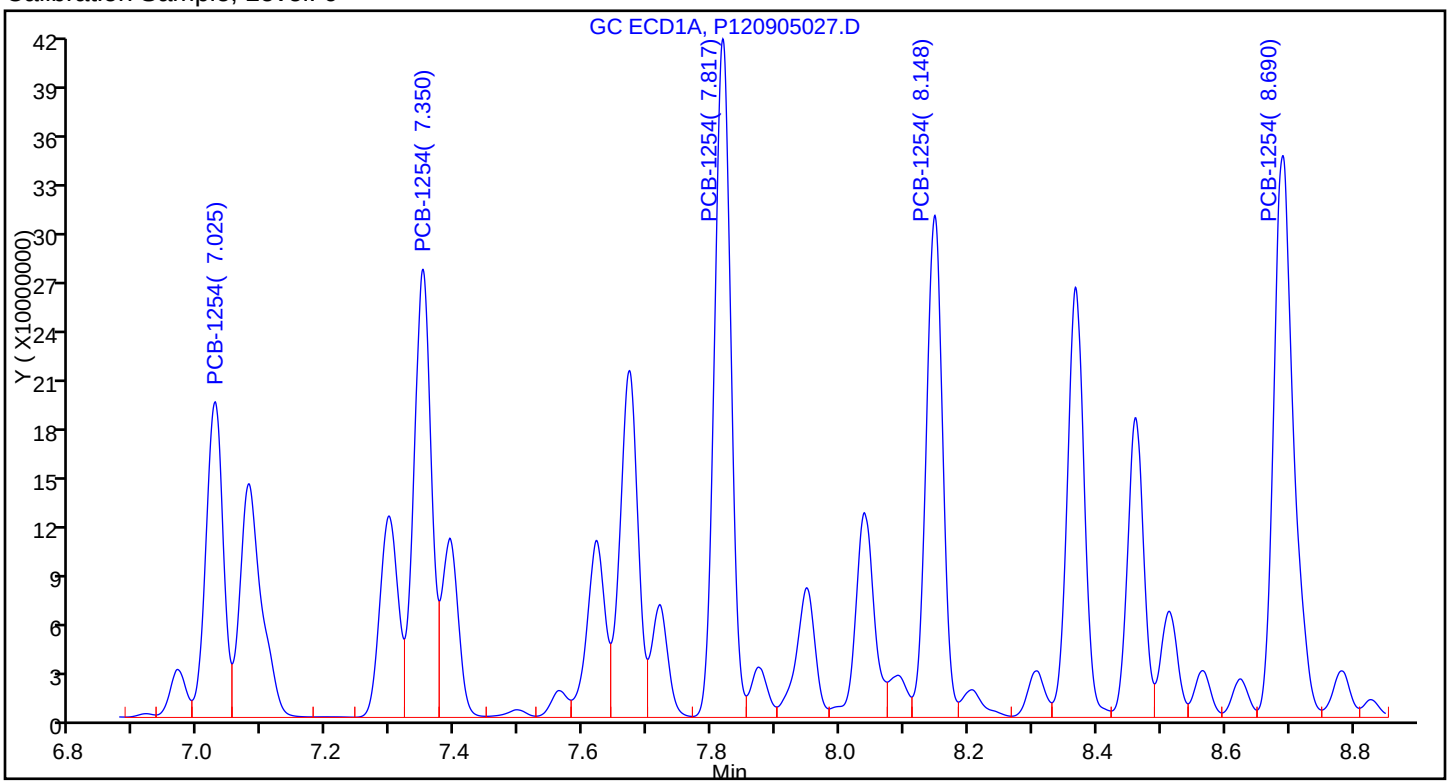
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925015.D

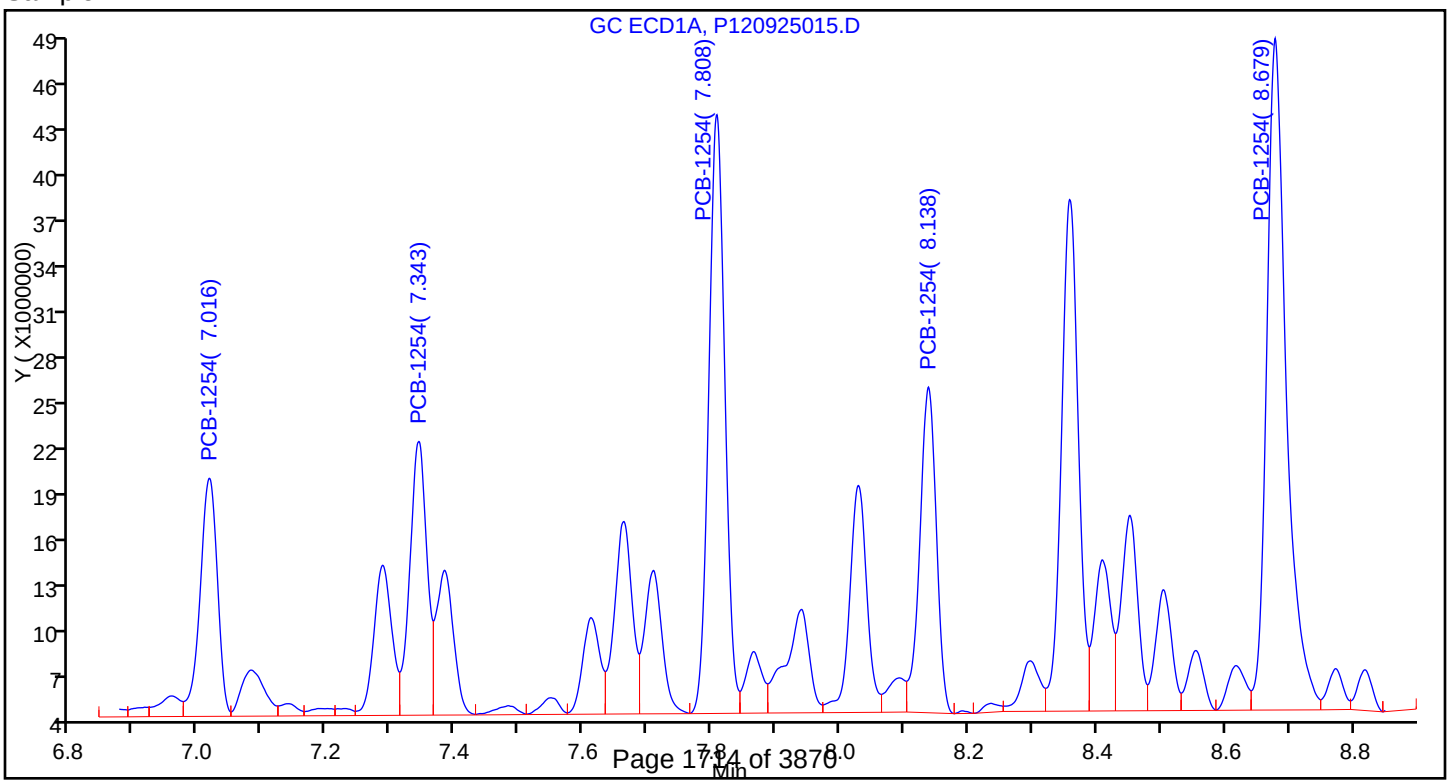
Injection Date:	25-Sep-2016 17:39:14	Instrument ID:	A2HP12
Lims ID:	240-69767-B-34-A	Lab Sample ID:	240-69767-34
Client ID:	DR-SB-255-24-27		
Operator ID:		ALS Bottle#:	15 Worklist Smp#: 15
Injection Vol:	1.0 uL	Dil. Factor:	1.0000
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS
Column:		Detector	GC ECD1A

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-255-48-51 | Lab Sample ID: 240-69767-35

Matrix: Solid | Lab File ID: P120925016.D

Analysis Method: 8082A | Date Collected: 09/20/2016 10:42

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.45(g) | Date Analyzed: 09/25/2016 17:56

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 15.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	57	27
11104-28-2	Aroclor-1221	26	U	57	26
11141-16-5	Aroclor-1232	18	U	57	18
53469-21-9	Aroclor-1242	23	U	57	23
12672-29-6	Aroclor-1248	19	U	57	19
11097-69-1	Aroclor-1254	63		57	16
11096-82-5	Aroclor-1260	20	U	57	20
37324-23-5	Aroclor-1262	9.1	U	57	9.1
11100-14-4	Aroclor-1268	23	U	57	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	66		14-128
2051-24-3	DCB Decachlorobiphenyl	70		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925016.D
Lims ID: 240-69767-B-35-A
Client ID: DR-SB-255-48-51
Sample Type: Client
Inject. Date: 25-Sep-2016 17:56:51 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058326-016
Operator ID: Instrument ID: A2HP12

Method: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\PCB12IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 11:49:29 Calib Date: 05-Sep-2016 20:36:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP12\20160902-57717.b\P120905033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 11:13:30

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.871	2.867	0.004	355294526	0.0500	
2	3.602	3.599	0.003	90034394	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.164	4.163	0.001	97023788	0.0132	
2	5.008	5.007	0.001	27106502	0.0128	
					RPD = 3.20	
3 PCB-1221						
1		4.457			ND	
1		4.667				
1		4.722				
2		5.495				
2		5.705				
2		5.791				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.724			ND	
1		5.221				
1		5.842				
1		6.013				
1		6.541				
2		5.791				
2		6.373				
2		6.986				
2		7.163				
2		7.765				
5 PCB-1242						
1		4.724			ND	
1		5.222				
1		5.842				
1		6.013				
1		6.542				
2		5.792				
2		6.373				
2		6.987				
2		7.163				
2		7.767				
6 PCB-1016						
1		4.725			ND	
1		5.224				
1		5.842				
1		6.015				
1		6.543				
2		5.792				
2		6.375				
2		6.987				
2		7.164				
2		7.767				
7 PCB-1248						
1		5.222			ND	
1		6.542				
1		7.071				
1		7.336				
1		7.809				
2		6.374				
2		6.984				
2		7.767				
2		8.295				
2		9.079				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	7.017	7.016	0.001	13327549	0.0535	
1	7.342	7.342	0.000	13934370	0.0382	
1	7.807	7.809	-0.002	28420411	0.0586	
1	8.139	8.139	0.000	20318003	0.0572	
1	8.681	8.680	0.001	35760846	0.0723	
		Average of Peak Amounts =			0.0559	
2	8.291	8.289	0.002	6834405	0.0696	
2	8.530	8.529	0.001	5946463	0.0468	
2	9.080	9.078	0.002	9717182	0.0612	
2	9.352	9.351	0.001	4292217	0.0308	
2	9.988	9.986	0.002	11320941	0.0743	
		Average of Peak Amounts =			0.0565	
					RPD = 1.05	√
10 PCB-1260						
1		8.030			ND	
1		8.361				
1		8.680				
1		9.461				
1		9.777				
2		9.313				
2		9.565				
2		9.985				
2		10.704				
2		11.078				
9 PCB-1262						
1		8.361			ND	
1		8.820				
1		9.098				
1		9.460				
1		9.825				
2		9.565				
2		10.095				
2		10.428				
2		10.704				
2		11.075				
11 PCB-1268						
1		9.826			ND	
1		9.868				
1		10.091				
1		10.482				
1		10.775				
2		11.072				
2		11.119				
2		11.365				
2		11.637				
2		11.936				
$ 12 DCB Decachlorobiphenyl						
1	10.962	10.960	0.002	91292420	0.0140	
2	12.165	12.164	0.001	28450646	0.0171	
					RPD = 19.79	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

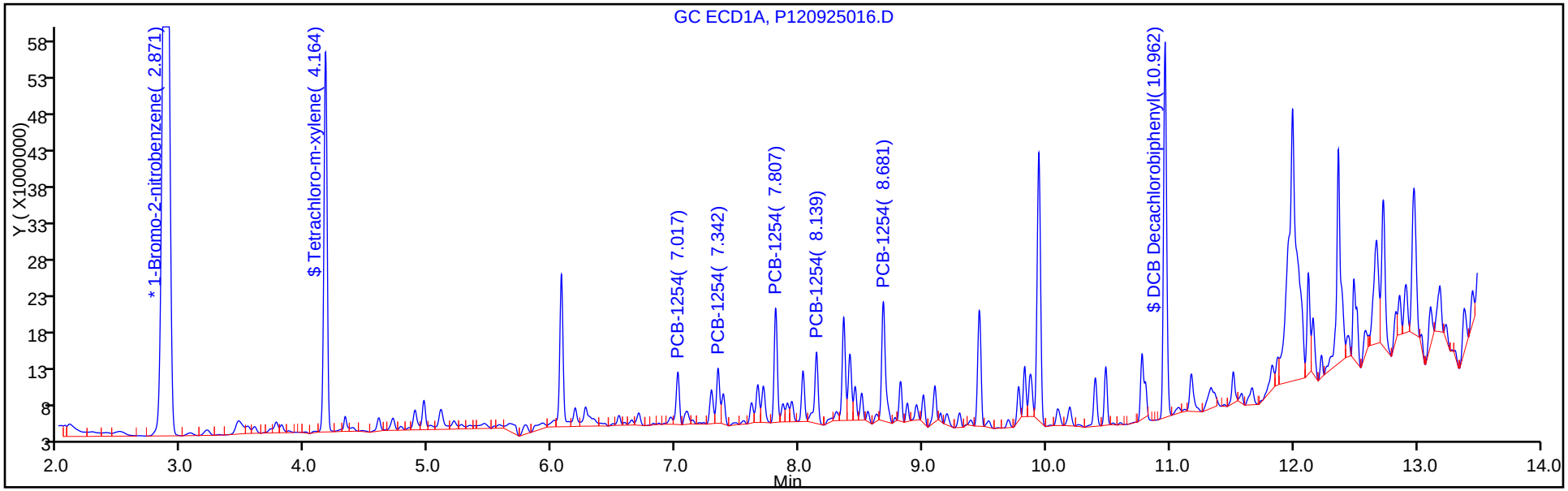
Report Date: 26-Sep-2016 11:50:16 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

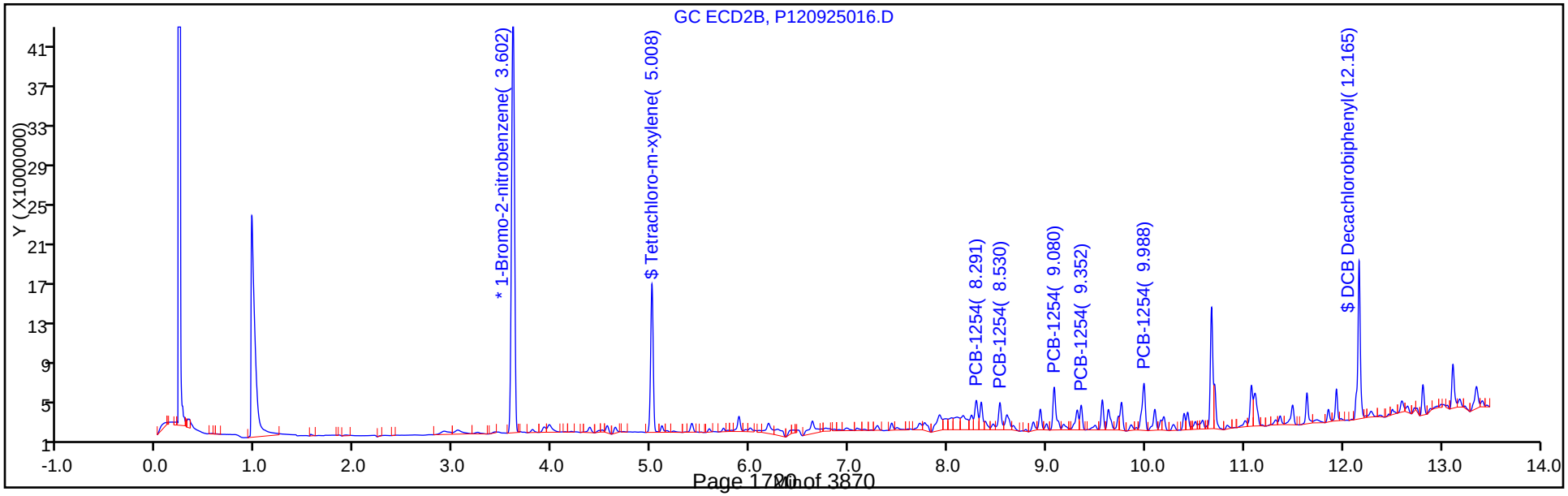
Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925016.D

Injection Date:	25-Sep-2016 17:56:51	Instrument ID:	A2HP12	Operator ID:	
Lims ID:	240-69767-B-35-A	Lab Sample ID:	240-69767-35	Worklist Smp#:	16
Client ID:	DR-SB-255-48-51				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 11:50:17 Chrom Revision: 2.2 08-Sep-2016 14:45:52

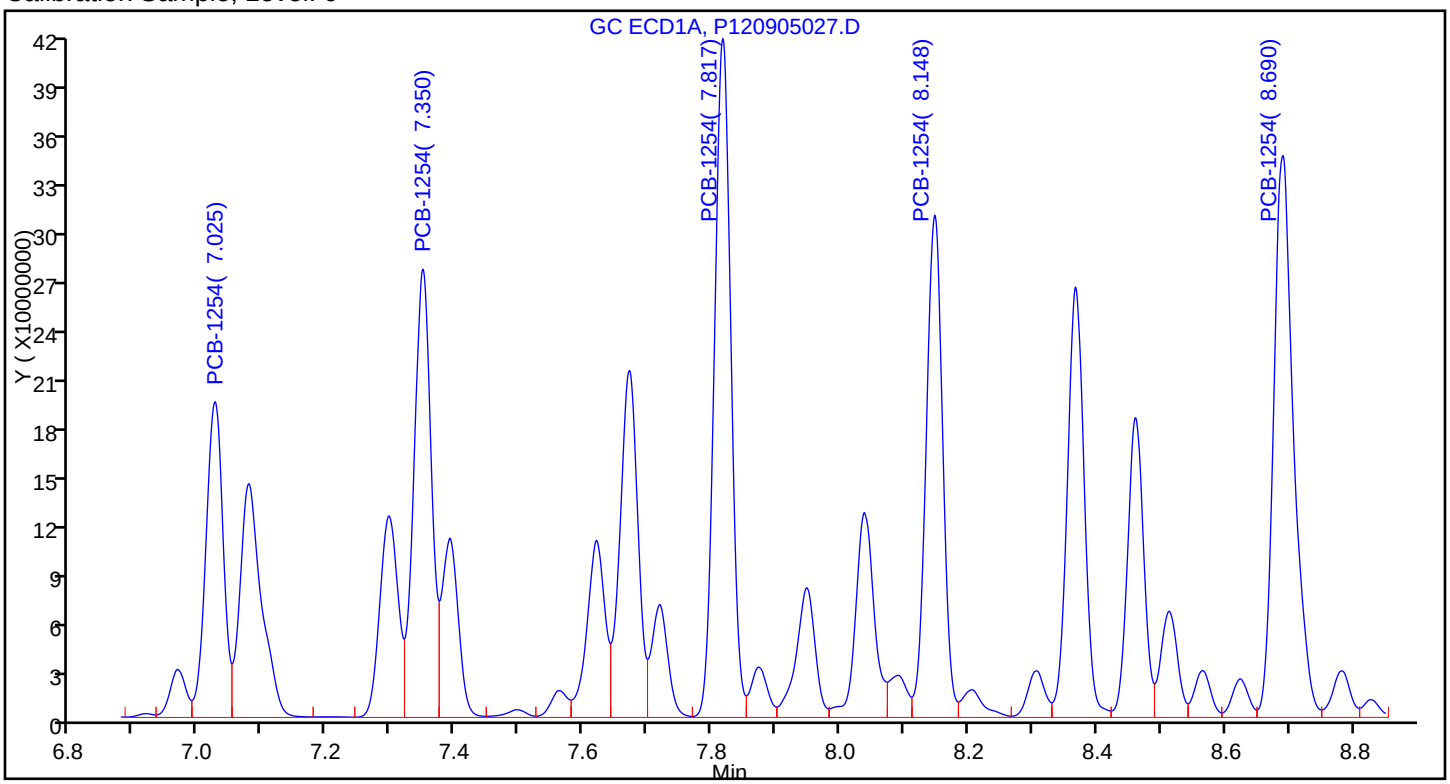
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925016.D

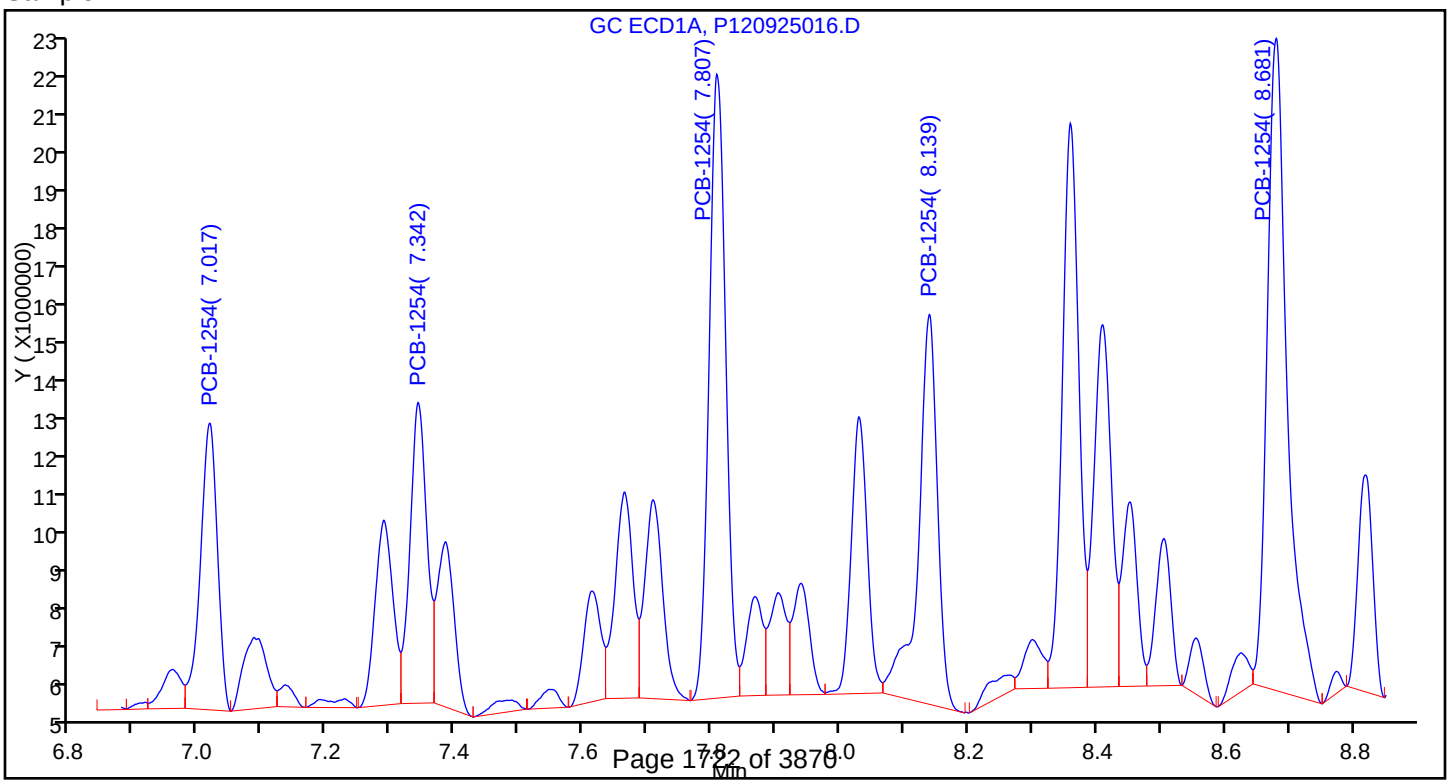
Injection Date:	25-Sep-2016 17:56:51	Instrument ID:	A2HP12
Lims ID:	240-69767-B-35-A	Lab Sample ID:	240-69767-35
Client ID:	DR-SB-255-48-51		
Operator ID:		ALS Bottle#:	16 Worklist Smp#: 16
Injection Vol:	1.0 uL	Dil. Factor:	1.0000
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS
Column:		Detector	GC ECD1A

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-255-72-75 | Lab Sample ID: 240-69767-36

Matrix: Solid | Lab File ID: P120925017.D

Analysis Method: 8082A | Date Collected: 09/20/2016 10:43

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.13(g) | Date Analyzed: 09/25/2016 18:14

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 8.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	26	U F2	54	26
11104-28-2	Aroclor-1221	25	U	54	25
11141-16-5	Aroclor-1232	17	U	54	17
53469-21-9	Aroclor-1242	22	U	54	22
12672-29-6	Aroclor-1248	18	U	54	18
11097-69-1	Aroclor-1254	200		54	15
11096-82-5	Aroclor-1260	19	U	54	19
37324-23-5	Aroclor-1262	8.6	U	54	8.6
11100-14-4	Aroclor-1268	22	U	54	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	64		14-128
2051-24-3	DCB Decachlorobiphenyl	174	X	10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925017.D
Lims ID: 240-69767-B-36-A
Client ID: DR-SB-255-72-75
Sample Type: Client
Inject. Date: 25-Sep-2016 18:14:35 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058326-017
Operator ID: Instrument ID: A2HP12

Method: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\PCB12IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 11:49:29 Calib Date: 05-Sep-2016 20:36:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP12\20160902-57717.b\P120905033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 11:16:42

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.878	2.867	0.011	374073947	0.0500	
2	3.604	3.599	0.005	89416035	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.164	4.163	0.001	99732998	0.0129	
2	5.008	5.007	0.001	26827122	0.0127	
					RPD = 1.15	
3 PCB-1221						
1		4.457			ND	
1		4.667				
1		4.722				
2		5.495				
2		5.705				
2		5.791				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.724			ND	
1		5.221				
1		5.842				
1		6.013				
1		6.541				
2		5.791				
2		6.373				
2		6.986				
2		7.163				
2		7.765				
5 PCB-1242						
1		4.724			ND	
1		5.222				
1		5.842				
1		6.013				
1		6.542				
2		5.792				
2		6.373				
2		6.987				
2		7.163				
2		7.767				
6 PCB-1016						
1		4.725			ND	
1		5.224				
1		5.842				
1		6.015				
1		6.543				
2		5.792				
2		6.375				
2		6.987				
2		7.164				
2		7.767				
7 PCB-1248						M
1		5.222			ND	
1		6.542				
1		7.071				
1		7.336				
1		7.809				
2		6.374				
2		6.984				
2		7.767				
2		8.295				
2		9.079				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						M
1	7.016	7.016	0.000	43809944	0.1758	M
1	7.341	7.342	-0.001	53949439	0.1508	M
1	7.808	7.809	-0.001	102852408	0.2049	M
1	8.138	8.139	-0.001	64691848	0.1737	M
1	8.679	8.680	-0.001	113441602	0.2234	M
		Average of Peak Amounts =			0.1857	
2	8.290	8.289	0.001	14694068	0.1814	
2	8.528	8.529	-0.001	15294898	0.1618	
2	9.078	9.078	0.000	28472971	0.2214	
2	9.352	9.351	0.001	15944578	0.1676	
2	9.987	9.986	0.001	30445157	0.2408	
		Average of Peak Amounts =			0.1946	
					RPD = 4.68	✓
10 PCB-1260						M
1		8.030			ND	
1		8.361				
1		8.680				
1		9.461				
1		9.777				
2		9.313				
2		9.565				
2		9.985				
2		10.704				
2		11.078				
9 PCB-1262						M
1		8.361			ND	
1		8.820				
1		9.098				
1		9.460				
1		9.825				
2		9.565				
2		10.095				
2		10.428				
2		10.704				
2		11.075				
11 PCB-1268						
1		9.826			ND	
1		9.868				
1		10.091				
1		10.482				
1		10.775				
2		11.072				
2		11.119				
2		11.365				
2		11.637				
2		11.936				
$ 12 DCB Decachlorobiphenyl						
1	10.972	10.960	0.012	239052076	0.0348	
2	12.164	12.164	0.000	21114924	0.0128	
					RPD = 92.73	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
16 1260 Res 1						
1	9.776	9.777	-0.001	17802447		NR
2	11.008	11.015	-0.006	326059		NR
13 1260 Res 2						
1		9.825			ND	
2		11.057				
15 1260 Res 3						
1		9.874			ND	
2		0.000				

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Review Flags

M - Manually Integrated

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

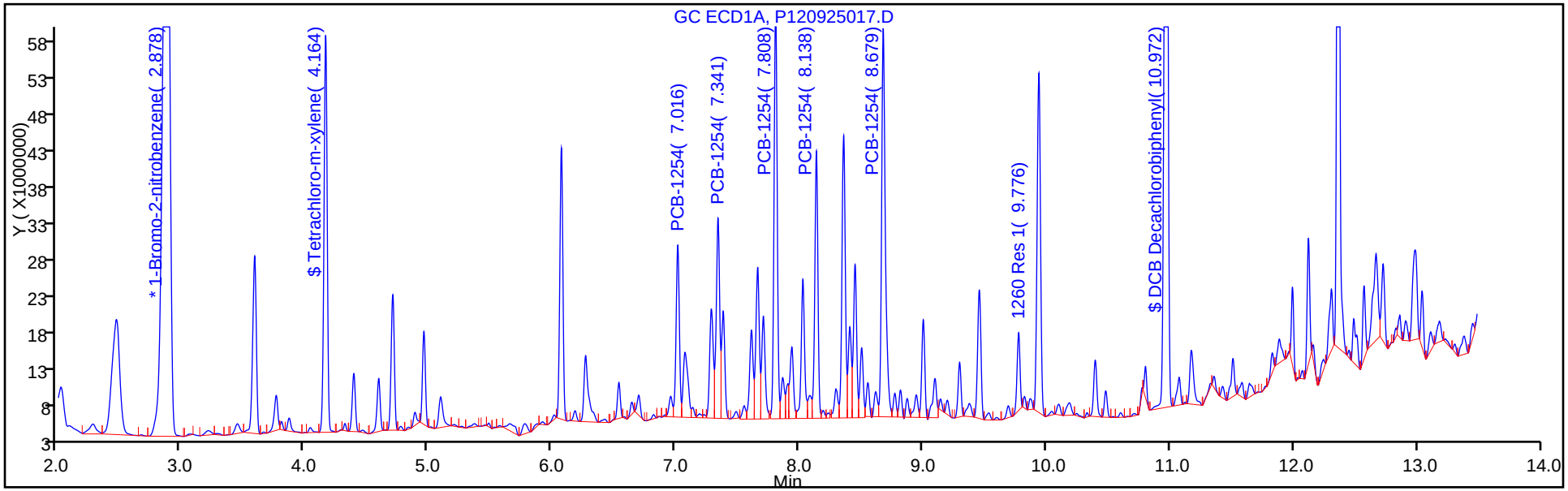
Report Date: 26-Sep-2016 11:50:22 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

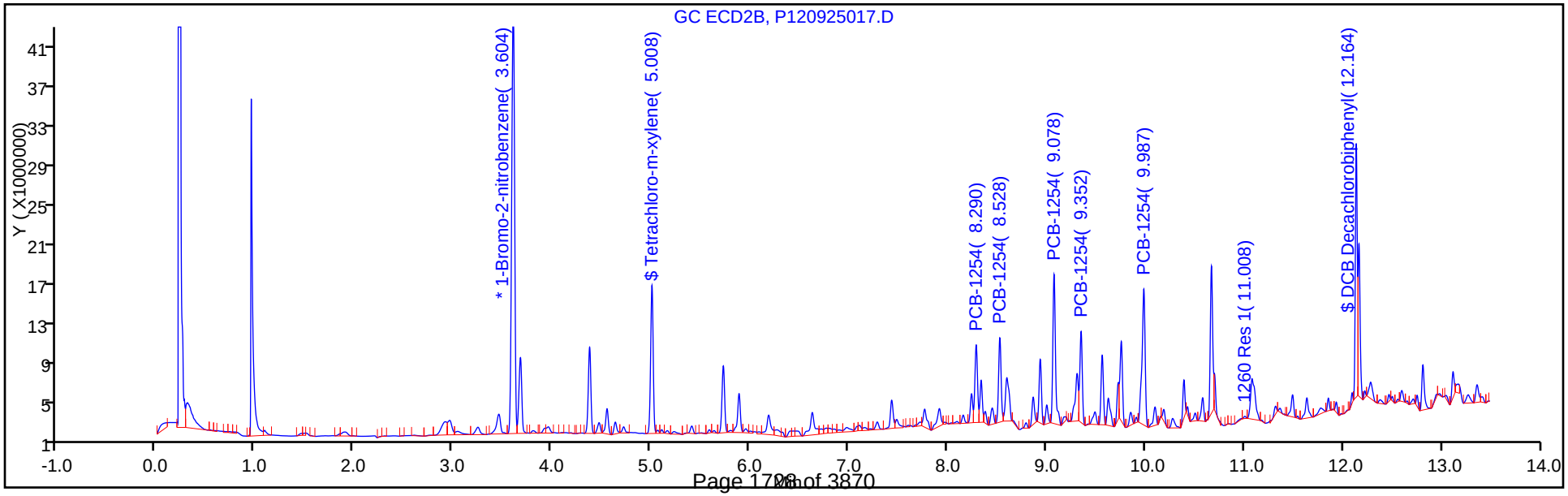
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Injection Date:	25-Sep-2016 18:14:35	Instrument ID:	A2HP12	Operator ID:	
Lims ID:	240-69767-B-36-A	Lab Sample ID:	240-69767-36	Worklist Smp#:	17
Client ID:	DR-SB-255-72-75				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 11:50:22 Chrom Revision: 2.2 08-Sep-2016 14:45:52

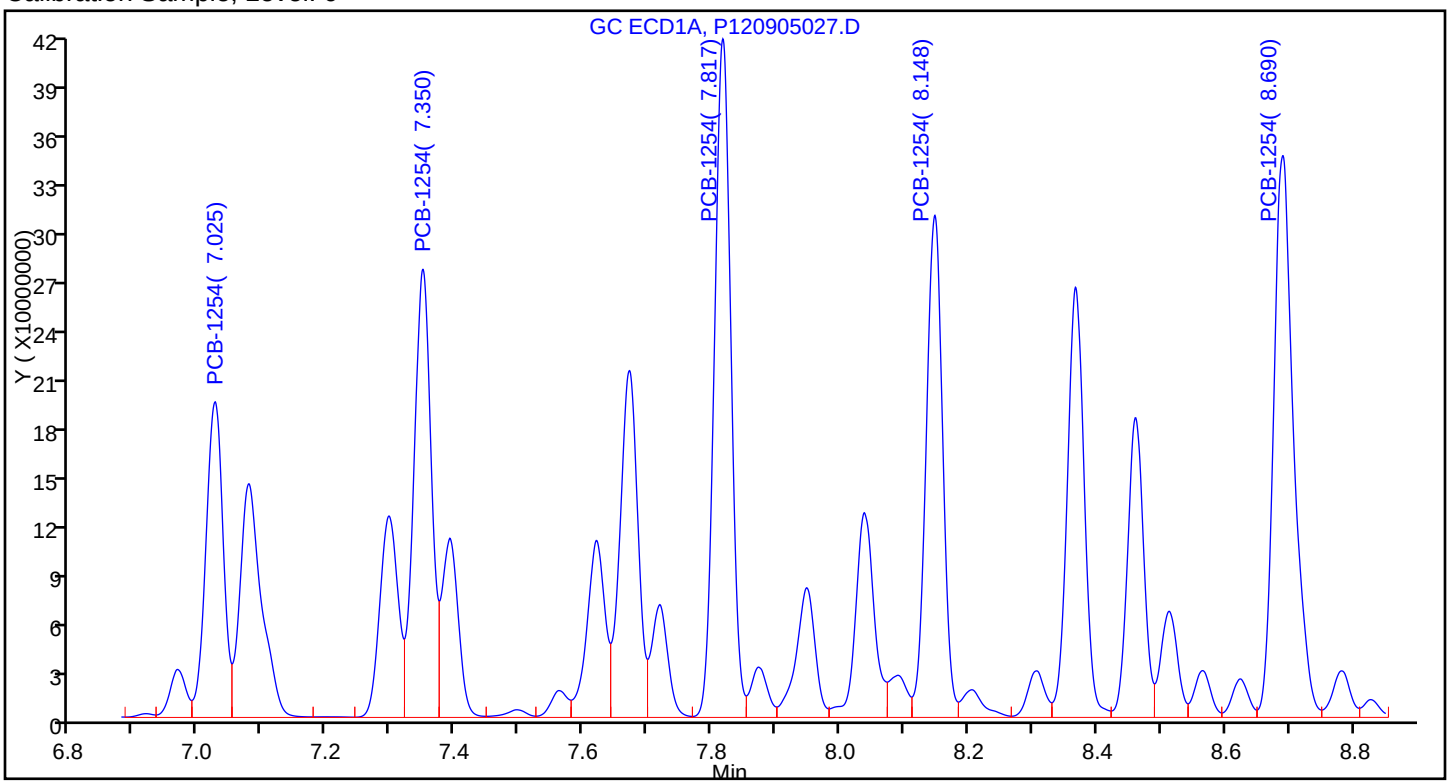
TestAmerica Canton

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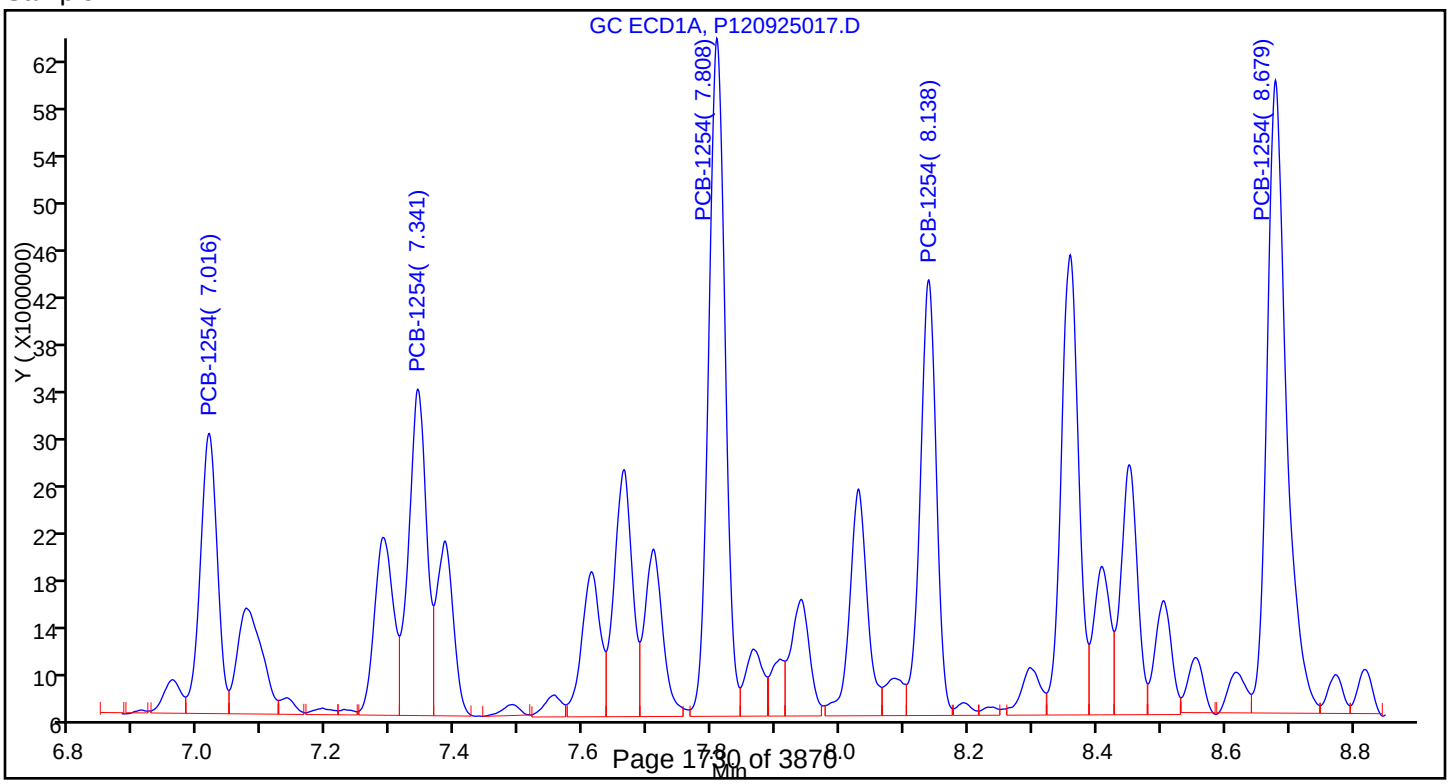
Injection Date:	25-Sep-2016 18:14:35	Instrument ID:	A2HP12		
Lims ID:	240-69767-B-36-A	Lab Sample ID:	240-69767-36		
Client ID:	DR-SB-255-72-75				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		
Column:		Detector	GC ECD1A		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



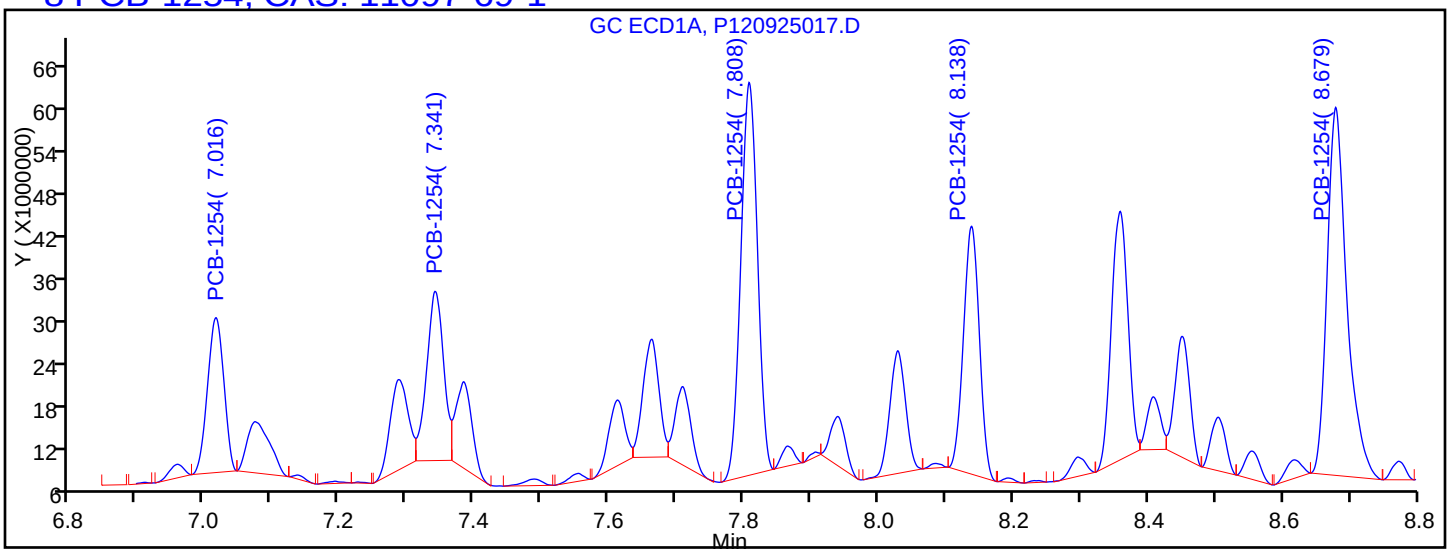
Report Date: 26-Sep-2016 11:50:22 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925017.D

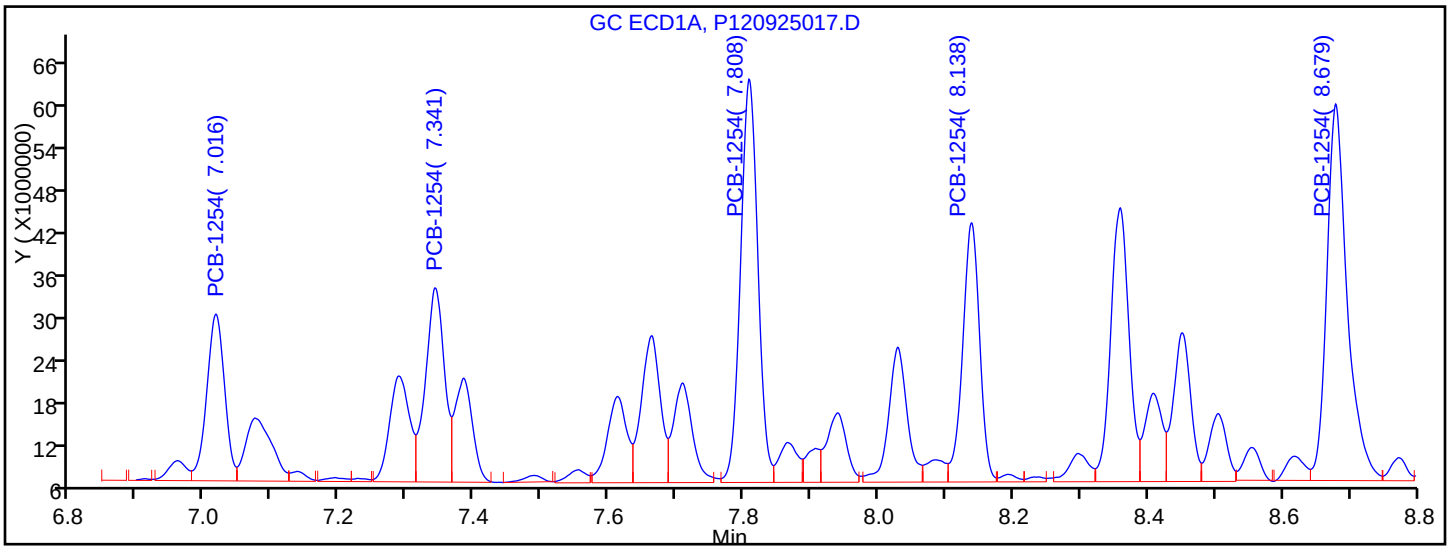
Injection Date:	25-Sep-2016 18:14:35	Instrument ID:	A2HP12
Lims ID:	240-69767-B-36-A	Lab Sample ID:	240-69767-36
Client ID:	DR-SB-255-72-75		
Operator ID:		ALS Bottle#:	17 Worklist Smp#: 17
Injection Vol:	1.0 uL	Dil. Factor:	1.0000
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS
Column:		Detector	GC ECD1A

8 PCB-1254, CAS: 11097-69-1



Processing Integration Results

7.016	Response = 37065443
7.341	Response = 42567726
7.808	Response = 95964511
8.138	Response = 57838093
8.679	Response = 106345157



Manual Integration Results

7.016	Response = 43809944	M
7.341	Response = 53949439	M
7.808	Response = 102852408	M
8.138	Response = 64691848	M
8.679	Response = 113441602	M

Reviewer: grantk, 26-Sep-2016 11:16:42

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-255-96-99 | Lab Sample ID: 240-69767-37

Matrix: Solid | Lab File ID: P120927031.D

Analysis Method: 8082A | Date Collected: 09/20/2016 10:44

Extraction Method: 3540C | Date Extracted: 09/23/2016 09:05

Sample wt/vol: 9.73(g) | Date Analyzed: 09/27/2016 13:27

Con. Extract Vol.: 10(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 18.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248519 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	150	U	320	150
11104-28-2	Aroclor-1221	150	U	320	150
11141-16-5	Aroclor-1232	100	U	320	100
53469-21-9	Aroclor-1242	130	U	320	130
12672-29-6	Aroclor-1248	110	U	320	110
11097-69-1	Aroclor-1254	1100		320	89
11096-82-5	Aroclor-1260	110	U	320	110
37324-23-5	Aroclor-1262	51	U	320	51
11100-14-4	Aroclor-1268	130	U	320	130

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	71		14-128
2051-24-3	DCB Decachlorobiphenyl	107		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160927-58371.b\P120927031.D
Lims ID: 240-69767-B-37-B
Client ID: DR-SB-255-96-99
Sample Type: Client
Inject. Date: 27-Sep-2016 13:27:37 ALS Bottle#: 31 Worklist Smp#: 31
Injection Vol: 1.0 uL Dil. Factor: 5.0000
Sample Info: 240-0058371-031
Operator ID: Instrument ID: A2HP12

Method: \\ChromNA\Canton\ChromData\A2HP12\20160927-58371.b\PCB12IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 27-Sep-2016 14:21:51 Calib Date: 05-Sep-2016 20:36:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP12\20160902-57717.b\P120905033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK026

First Level Reviewer: grantk Date: 27-Sep-2016 14:20:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						M
1	2.830	2.871	-0.042	735634300	0.0500	M
2	3.604	3.601	0.003	74916852	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.158	4.162	-0.004	35633604	0.002340	
2	5.009	5.006	0.003	4986811	0.002825	
					RPD = 18.77	
3 PCB-1221						
1		4.459			ND	
1		4.668				
1		4.724				
2		5.496				
2		5.706				
2		5.792				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
6 PCB-1016						
1		4.724			ND	
1		5.222				
1		5.841				
1		6.012				
1		6.541				
2		5.791				
2		6.374				
2		6.986				
2		7.163				
2		7.767				
4 PCB-1232						
1		4.726			ND	
1		5.223				
1		5.841				
1		6.014				
1		6.543				
2		5.793				
2		6.374				
2		6.987				
2		7.164				
2		7.767				
5 PCB-1242						
1		4.727			ND	
1		5.223				
1		5.844				
1		6.014				
1		6.543				
2		5.793				
2		6.374				
2		6.986				
2		7.164				
2		7.767				
7 PCB-1248						
1		5.222			ND	
1		6.542				
1		7.071				
1		7.336				
1		7.809				
2		6.373				
2		6.980				
2		7.767				
2		8.295				
2		9.078				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	7.017	7.016	0.001	26642074	0.0515	
1	7.341	7.341	0.000	40714613	0.0555	
1	7.806	7.808	-0.002	61130680	0.0609	
1	8.138	8.138	0.000	51361558	0.0699	
1	8.681	8.681	0.000	65224783	0.0633	
		Average of Peak Amounts =			0.0602	
2	0.000	8.290	-8.290	0	0	
2	8.529	8.529	0.000	12820988	0.1619	
2	9.078	9.078	0.000	18475843	0.1668	
2	9.351	9.352	-0.001	14698031	0.1863	
2	9.988	9.988	0.000	16696762	0.1496	
		Average of Peak Amounts =			0.1661	
					RPD = 93.59	
10 PCB-1260						
1		8.031			ND	
1		8.361				
1		8.681				
1		9.461				
1		9.777				
2		9.313				
2		9.566				
2		9.986				
2		10.706				
2		11.079				
9 PCB-1262						
1		8.360			ND	
1		8.820				
1		9.098				
1		9.461				
1		9.825				
2		9.565				
2		10.096				
2		10.429				
2		10.704				
2		11.075				
11 PCB-1268						
1		9.824			ND	
1		9.869				
1		10.090				
1		10.481				
1		10.774				
2		11.074				
2		11.119				
2		11.366				
2		11.636				
2		11.935				
$ 12 DCB Decachlorobiphenyl						
1	10.961	10.961	0.000	27229686	0.002016	
2	12.165	12.166	-0.001	5951426	0.004292	
					RPD = 72.14	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

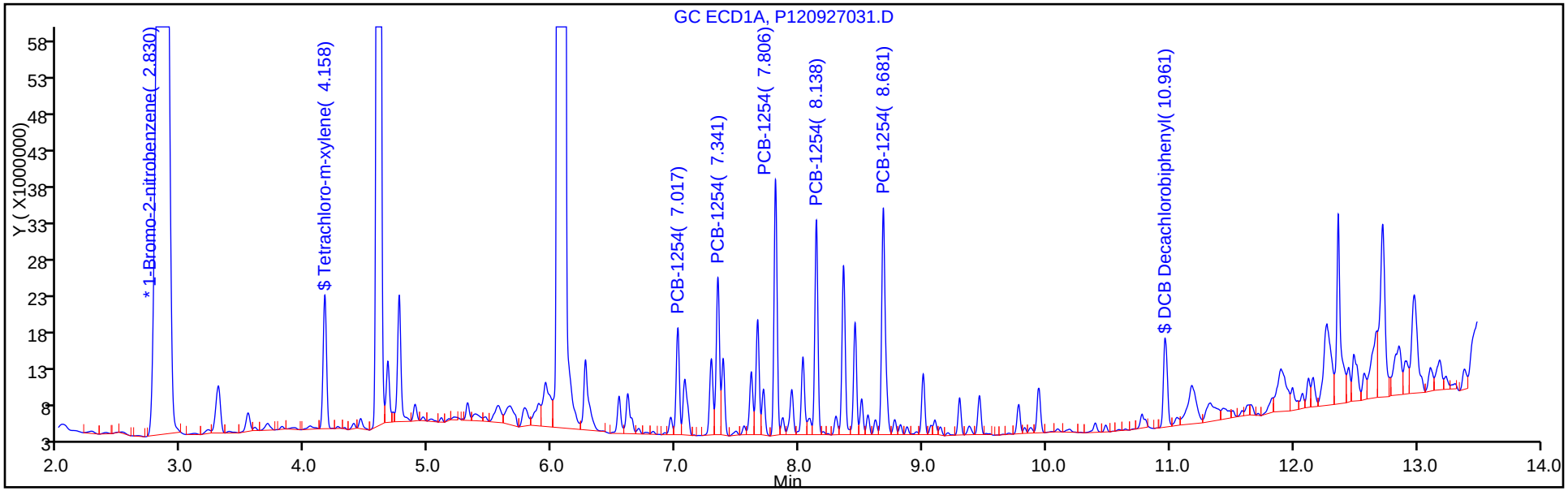
Report Date: 27-Sep-2016 14:21:55 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

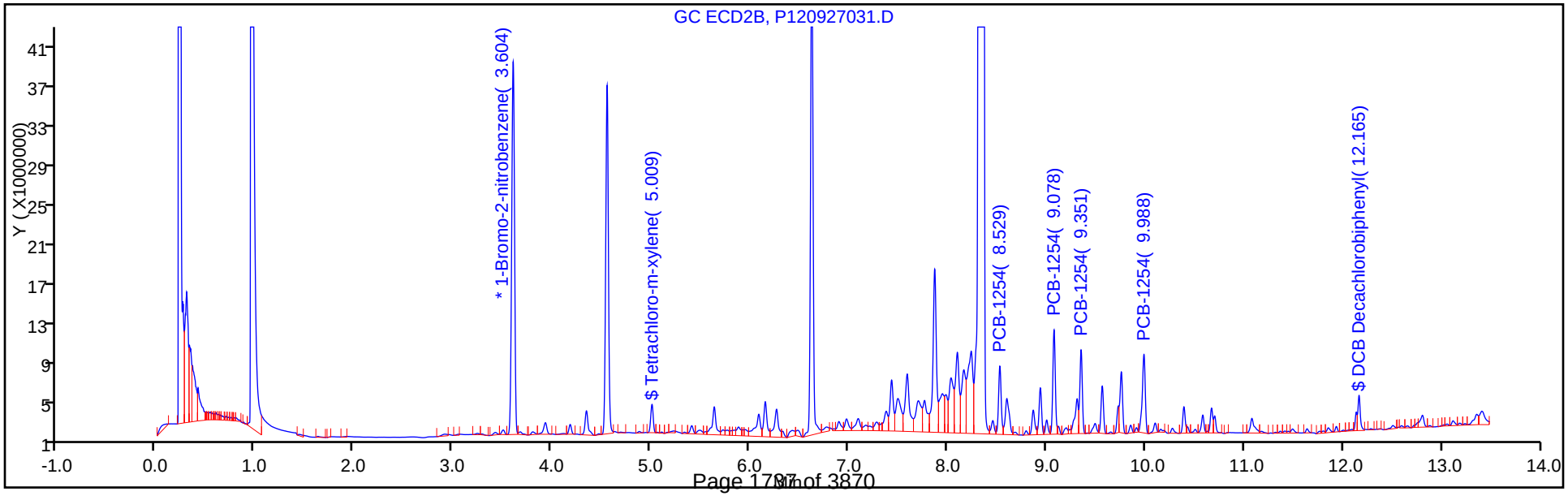
Data File: \\ChromNA\Canton\ChromData\A2HP12\20160927-58371.b\P120927031.D

Injection Date:	27-Sep-2016 13:27:37	Instrument ID:	A2HP12	Operator ID:	
Lims ID:	240-69767-B-37-B	Lab Sample ID:	240-69767-37	Worklist Smp#:	31
Client ID:	DR-SB-255-96-99				
Injection Vol:	1.0 uL	Dil. Factor:	5.0000	ALS Bottle#:	31
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 27-Sep-2016 14:21:56 Chrom Revision: 2.2 08-Sep-2016 14:45:52

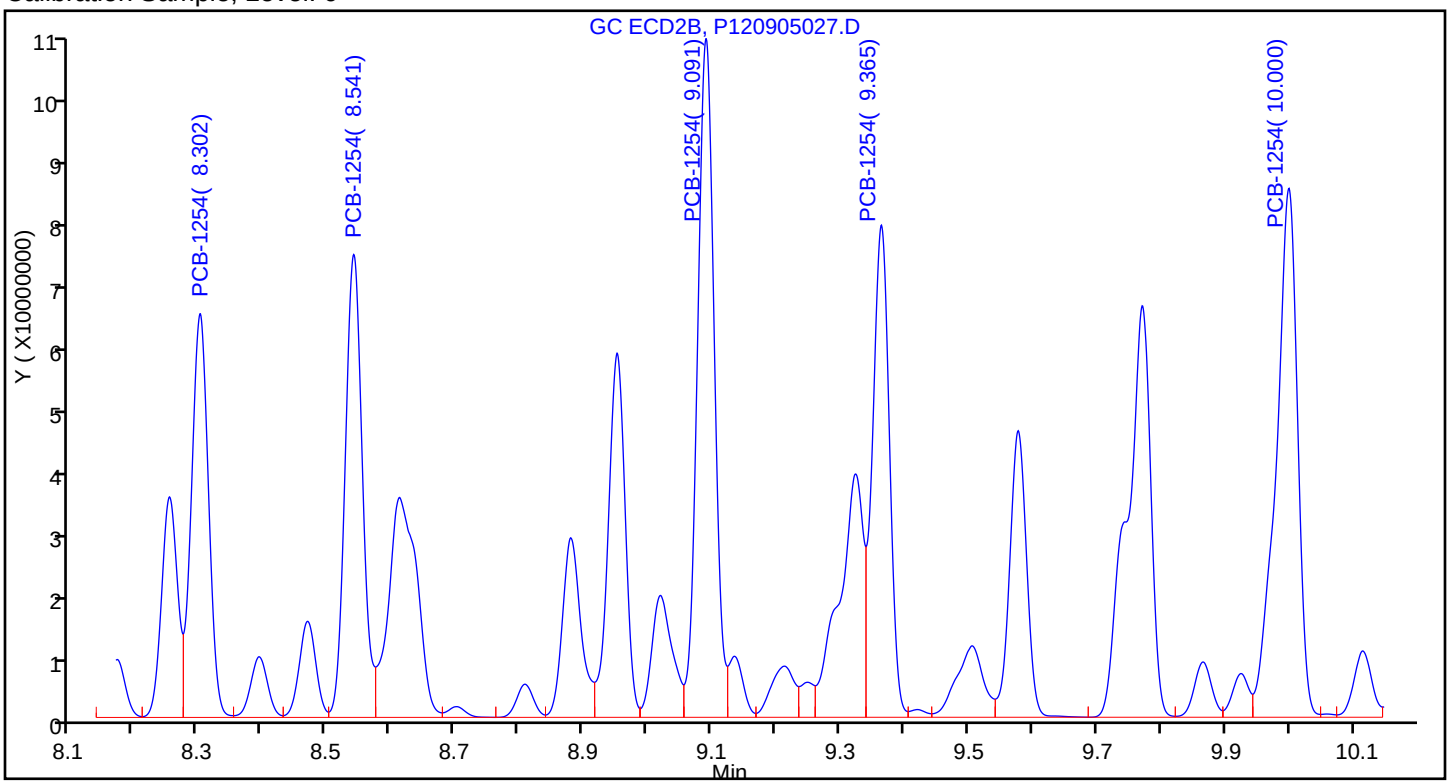
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160927-58371.b\P120927031.D

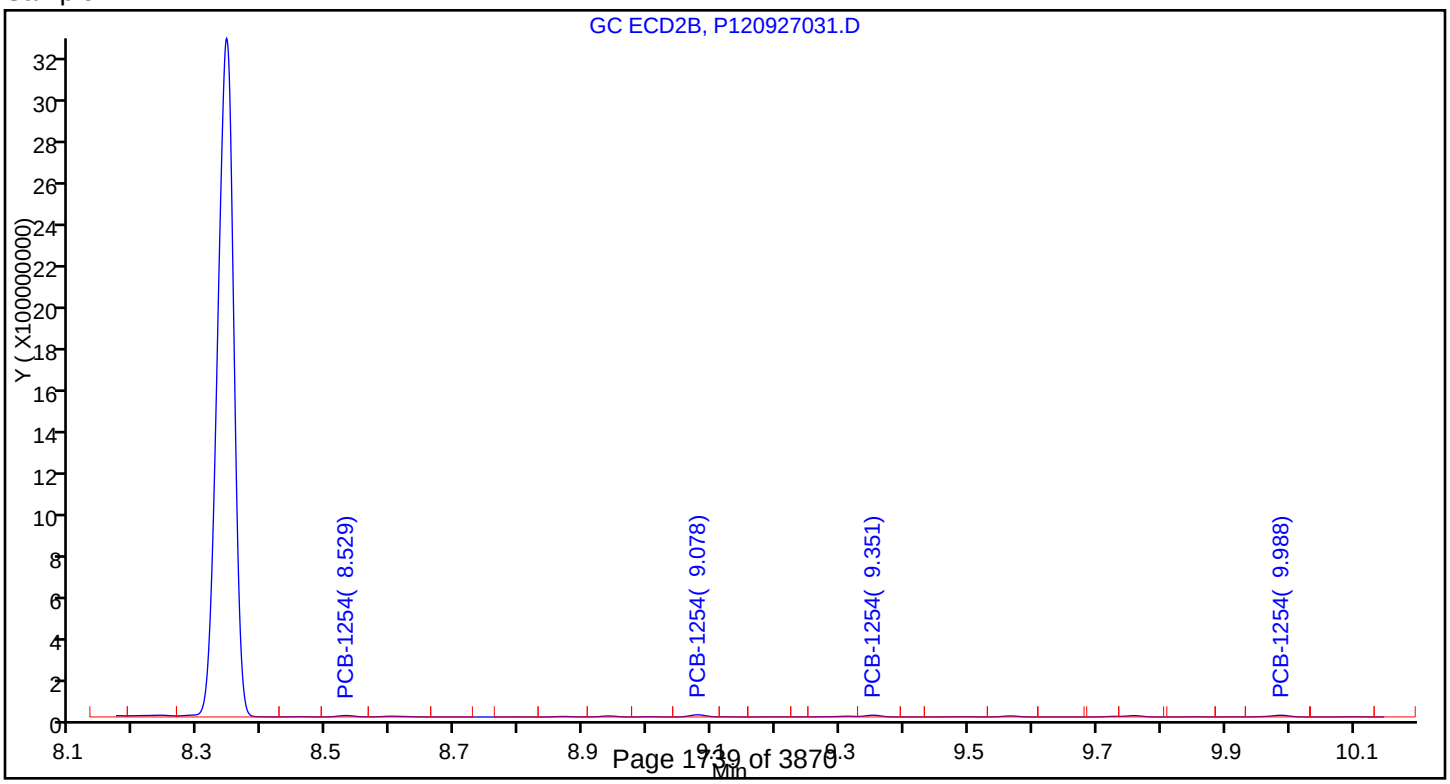
Injection Date:	27-Sep-2016 13:27:37	Instrument ID:	A2HP12		
Lims ID:	240-69767-B-37-B	Lab Sample ID:	240-69767-37		
Client ID:	DR-SB-255-96-99				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	1.0 uL	Dil. Factor:	5.0000		
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		
Column:		Detector	GC ecd2b		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-255-120-123 | Lab Sample ID: 240-69767-38

Matrix: Solid | Lab File ID: P120925020.D

Analysis Method: 8082A | Date Collected: 09/20/2016 10:45

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.28(g) | Date Analyzed: 09/25/2016 19:07

Con. Extract Vol.: 10(mL) | Dilution Factor: 10

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 25.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	310	U	650	310
11104-28-2	Aroclor-1221	300	U	650	300
11141-16-5	Aroclor-1232	210	U	650	210
53469-21-9	Aroclor-1242	260	U	650	260
12672-29-6	Aroclor-1248	220	U	650	220
11097-69-1	Aroclor-1254	5700		650	180
11096-82-5	Aroclor-1260	240	U	650	240
37324-23-5	Aroclor-1262	100	U	650	100
11100-14-4	Aroclor-1268	260	U	650	260

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	58		14-128
2051-24-3	DCB Decachlorobiphenyl	150	X	10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925020.D
Lims ID: 240-69767-B-38-A
Client ID: DR-SB-255-120-123
Sample Type: Client
Inject. Date: 25-Sep-2016 19:07:23 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 1.0 uL Dil. Factor: 10.0000
Sample Info: 240-0058326-020
Operator ID: Instrument ID: A2HP12

Method: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\PCB12IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 11:49:29 Calib Date: 05-Sep-2016 20:36:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP12\20160902-57717.b\P120905033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 11:18:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.875	2.867	0.009	360871014	0.0500	
2	3.604	3.599	0.004	86933066	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.165	4.163	0.002	8720456	0.001167	
2	5.010	5.007	0.003	3148826	0.001537	
					RPD = 27.34	
3 PCB-1221						
1		4.457			ND	
1		4.667				
1		4.722				
2		5.495				
2		5.705				
2		5.791				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.724			ND	
1		5.221				
1		5.842				
1		6.013				
1		6.541				
2		5.791				
2		6.373				
2		6.986				
2		7.163				
2		7.765				
5 PCB-1242						
1		4.724			ND	
1		5.222				
1		5.842				
1		6.013				
1		6.542				
2		5.792				
2		6.373				
2		6.987				
2		7.163				
2		7.767				
6 PCB-1016						
1		4.725			ND	
1		5.224				
1		5.842				
1		6.015				
1		6.543				
2		5.792				
2		6.375				
2		6.987				
2		7.164				
2		7.767				
7 PCB-1248						
1		5.222			ND	
1		6.542				
1		7.071				
1		7.336				
1		7.809				
2		6.374				
2		6.984				
2		7.767				
2		8.295				
2		9.079				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	7.017	7.016	0.001	95552878	0.4027	
1	7.340	7.342	-0.002	138592016	0.4080	
1	7.808	7.809	-0.001	215294606	0.4463	
1	8.139	8.139	0.000	170496060	0.4751	
1	8.680	8.680	0.000	224438426	0.4611	
		Average of Peak Amounts =			0.4386	
2	8.290	8.289	0.001	38286937	0.5304	
2	8.529	8.529	0.000	38640127	0.4612	
2	9.078	9.078	0.000	55340103	0.4636	
2	9.351	9.351	0.000	42722522	0.4956	
2	9.986	9.986	0.000	60632247	0.5177	
		Average of Peak Amounts =			0.4937	
					RPD = 11.81	
10 PCB-1260						
1		8.030			ND	
1		8.361				
1		8.680				
1		9.461				
1		9.777				
2		9.313				
2		9.565				
2		9.985				
2		10.704				
2		11.078				
9 PCB-1262						
1		8.361			ND	
1		8.820				
1		9.098				
1		9.460				
1		9.825				
2		9.565				
2		10.095				
2		10.428				
2		10.704				
2		11.075				
11 PCB-1268						
1		9.826			ND	
1		9.868				
1		10.091				
1		10.482				
1		10.775				
2		11.072				
2		11.119				
2		11.365				
2		11.637				
2		11.936				
$ 12 DCB Decachlorobiphenyl						
1	10.972	10.960	0.012	19920356	0.003007	
2	12.165	12.164	0.001	3390886	0.002107	
					RPD = 35.19	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

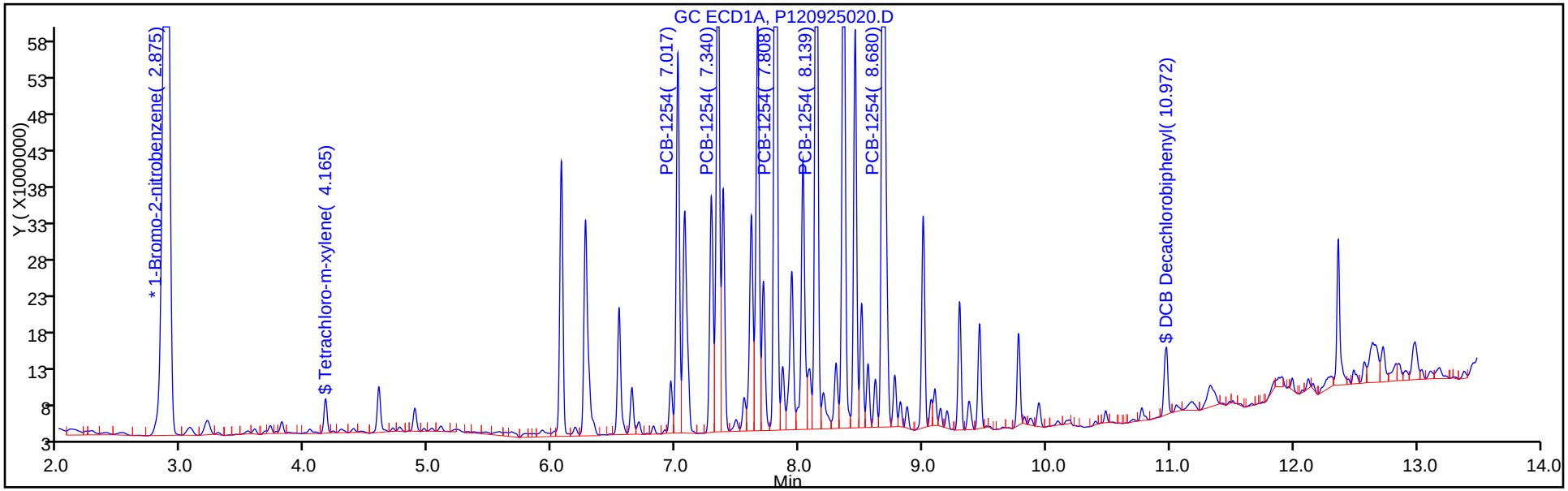
Report Date: 26-Sep-2016 11:50:47 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

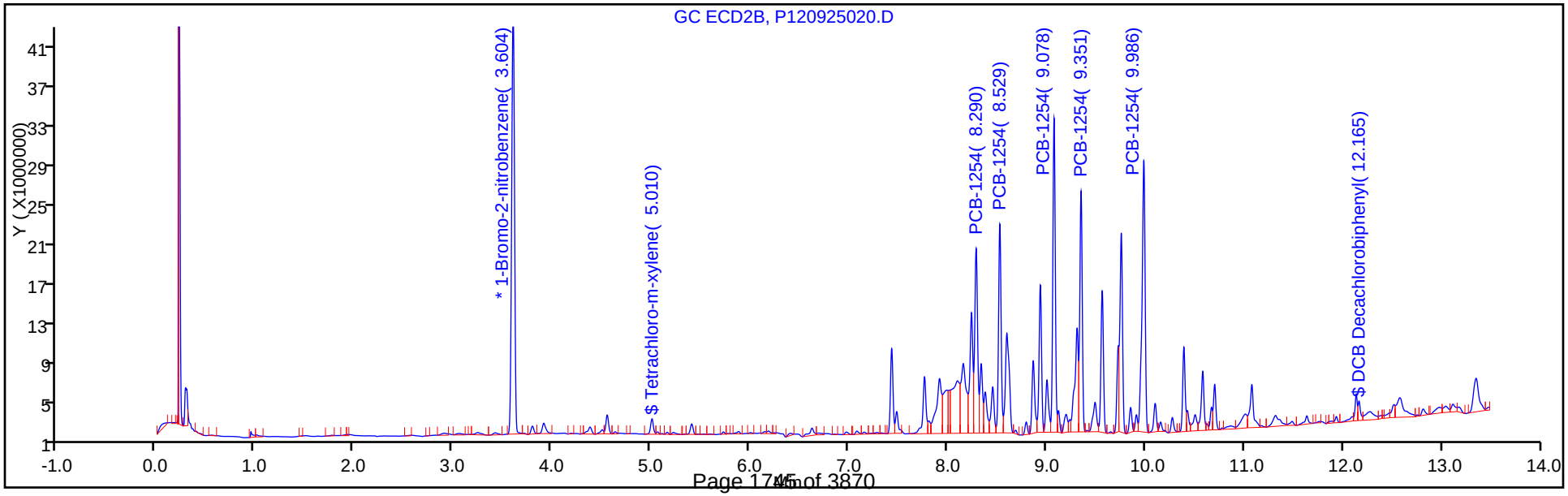
Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925020.D

Injection Date:	25-Sep-2016 19:07:23	Instrument ID:	A2HP12	Operator ID:	
Lims ID:	240-69767-B-38-A	Lab Sample ID:	240-69767-38	Worklist Smp#:	20
Client ID:	DR-SB-255-120-123				
Injection Vol:	1.0 uL	Dil. Factor:	10.0000	ALS Bottle#:	20
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 11:50:48 Chrom Revision: 2.2 08-Sep-2016 14:45:52

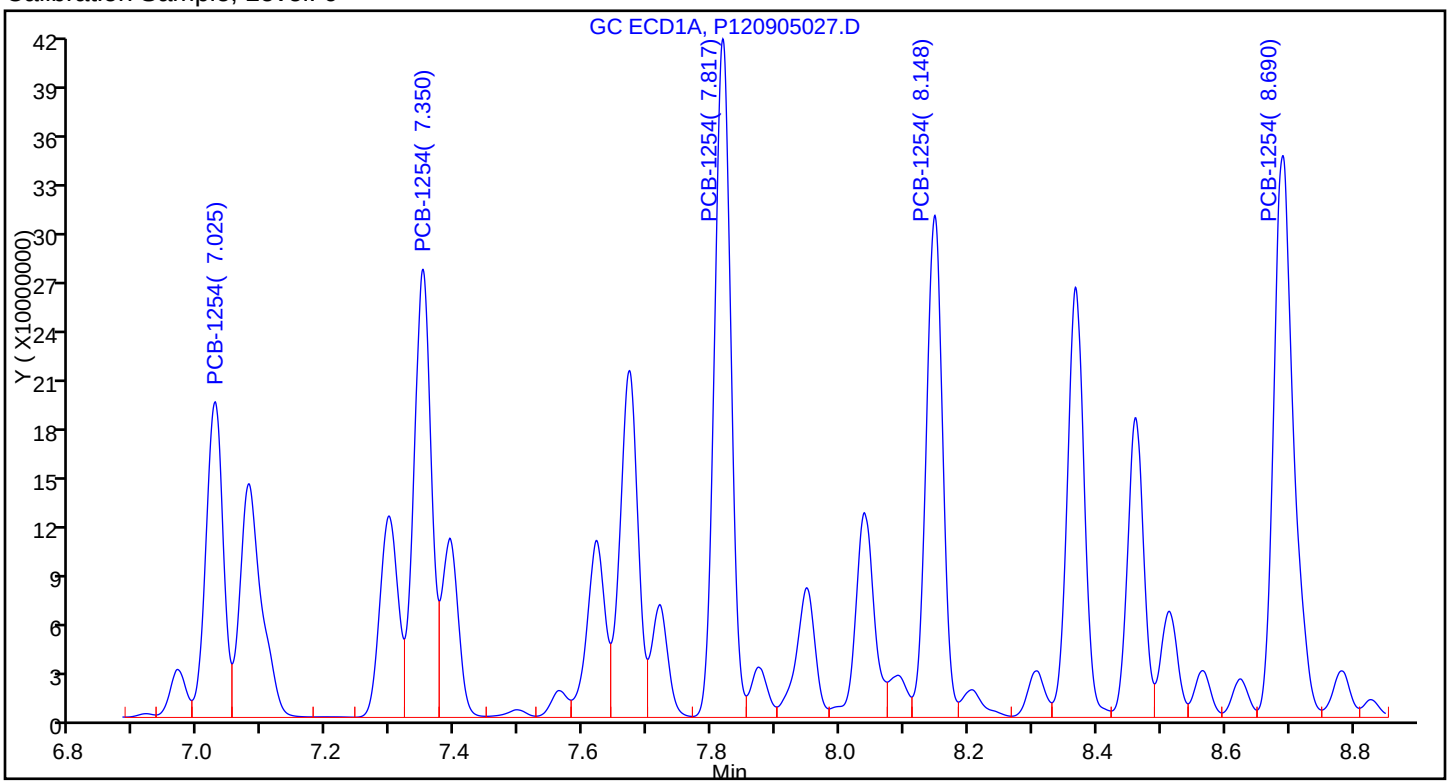
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925020.D

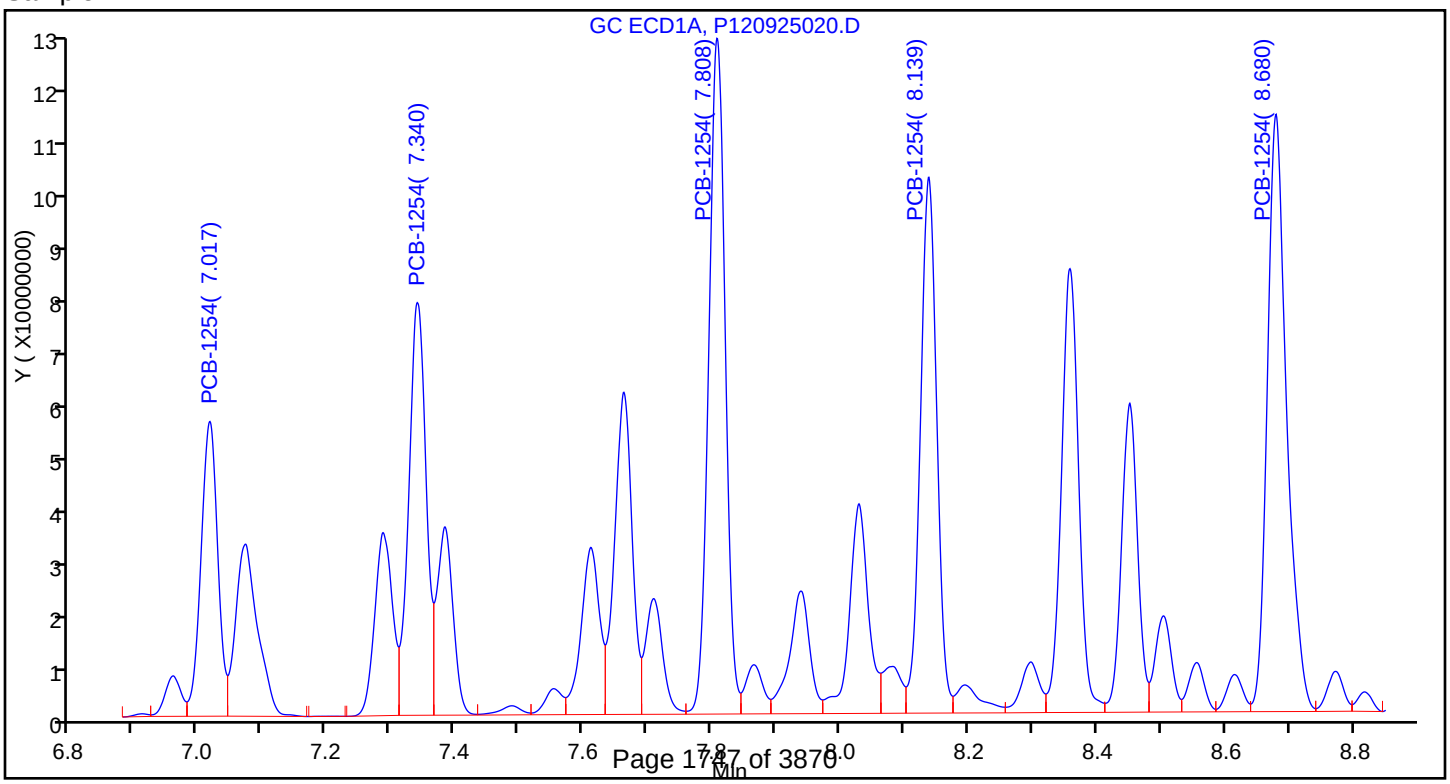
Injection Date:	25-Sep-2016 19:07:23	Instrument ID:	A2HP12		
Lims ID:	240-69767-B-38-A	Lab Sample ID:	240-69767-38		
Client ID:	DR-SB-255-120-123				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 uL	Dil. Factor:	10.0000		
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		
Column:		Detector	GC ECD1A		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-255-144-145 | Lab Sample ID: 240-69767-39

Matrix: Solid | Lab File ID: P120925021.D

Analysis Method: 8082A | Date Collected: 09/20/2016 10:46

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.43(g) | Date Analyzed: 09/25/2016 19:25

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 19.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	29	U	60	29
11104-28-2	Aroclor-1221	27	U	60	27
11141-16-5	Aroclor-1232	19	U	60	19
53469-21-9	Aroclor-1242	24	U	60	24
12672-29-6	Aroclor-1248	20	U	60	20
11097-69-1	Aroclor-1254	270		60	17
11096-82-5	Aroclor-1260	22	U	60	22
37324-23-5	Aroclor-1262	9.6	U	60	9.6
11100-14-4	Aroclor-1268	24	U	60	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	26	p	14-128
2051-24-3	DCB Decachlorobiphenyl	238	X	10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925021.D
Lims ID: 240-69767-B-39-A
Client ID: DR-SB-255-144-145
Sample Type: Client
Inject. Date: 25-Sep-2016 19:25:05 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058326-021
Operator ID: Instrument ID: A2HP12

Method: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\PCB12IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 11:49:29 Calib Date: 05-Sep-2016 20:36:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP12\20160902-57717.b\P120905033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 11:19:47

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.889	2.867	0.022	392099910	0.0500	
2	3.608	3.599	0.009	91883178	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.166	4.163	0.003	41518374	0.005115	
2	5.010	5.007	0.003	21191573	0.009788	
					RPD = 62.70	
3 PCB-1221						
1		4.457			ND	
1		4.667				
1		4.722				
2		5.495				
2		5.705				
2		5.791				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4	PCB-1232					M
1		4.724			ND	
1		5.221				
1		5.842				
1		6.013				
1		6.541				
2		5.791				
2		6.373				
2		6.986				
2		7.163				
2		7.765				
5	PCB-1242					M
1		4.724			ND	
1		5.222				
1		5.842				
1		6.013				
1		6.542				
2		5.792				
2		6.373				
2		6.987				
2		7.163				
2		7.767				
6	PCB-1016					
1		4.725			ND	
1		5.224				
1		5.842				
1		6.015				
1		6.543				
2		5.792				
2		6.375				
2		6.987				
2		7.164				
2		7.767				
7	PCB-1248					M
1		5.222			ND	
1		6.542				
1		7.071				
1		7.336				
1		7.809				
2		6.374				
2		6.984				
2		7.767				
2		8.295				
2		9.079				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						M
1	7.016	7.016	0.000	57272413	0.2203	M
1	7.342	7.342	0.000	67032657	0.1795	M
1	7.810	7.809	0.001	125542089	0.2388	M
1	8.139	8.139	0.000	72384871	0.1854	M
1	8.681	8.680	0.001	161954208	0.3053	M
		Average of Peak Amounts =			0.2259	
2	8.290	8.289	0.001	17210163	0.2105	
2	8.530	8.529	0.001	19480309	0.2066	
2	9.078	9.078	0.000	35559467	0.2736	
2	9.352	9.351	0.001	19329911	0.2012	
2	9.986	9.986	0.000	41101284	0.3237	
		Average of Peak Amounts =			0.2431	
					RPD = 7.36	
10 PCB-1260						M
1		8.030			ND	
1		8.361				
1		8.680				
1		9.461				
1		9.777				
2		9.313				
2		9.565				
2		9.985				
2		10.704				
2		11.078				
9 PCB-1262						M
1		8.361			ND	
1		8.820				
1		9.098				
1		9.460				
1		9.825				
2		9.565				
2		10.095				
2		10.428				
2		10.704				
2		11.075				
11 PCB-1268						M
1		9.826			ND	
1		9.868				
1		10.091				
1		10.482				
1		10.775				
2		11.072				
2		11.119				
2		11.365				
2		11.637				
2		11.936				
$ 12 DCB Decachlorobiphenyl						
1	10.973	10.960	0.013	342709266	0.0476	
2	12.163	12.164	-0.001	22224388	0.0131	
					RPD = 113.86	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

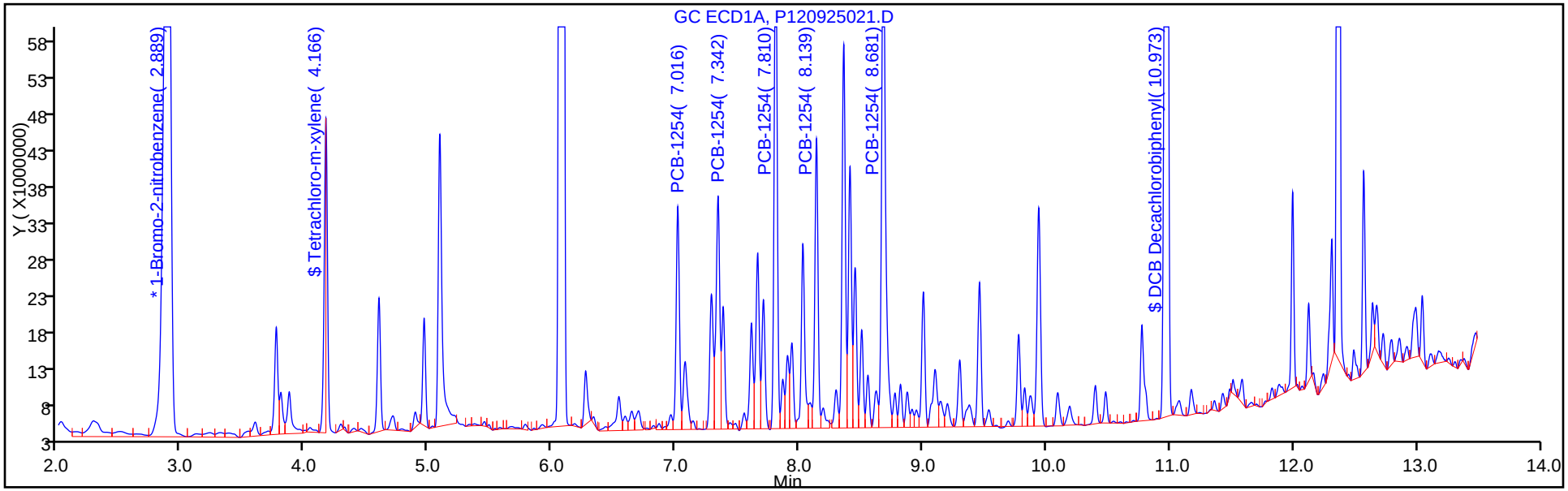
Report Date: 26-Sep-2016 11:50:55 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

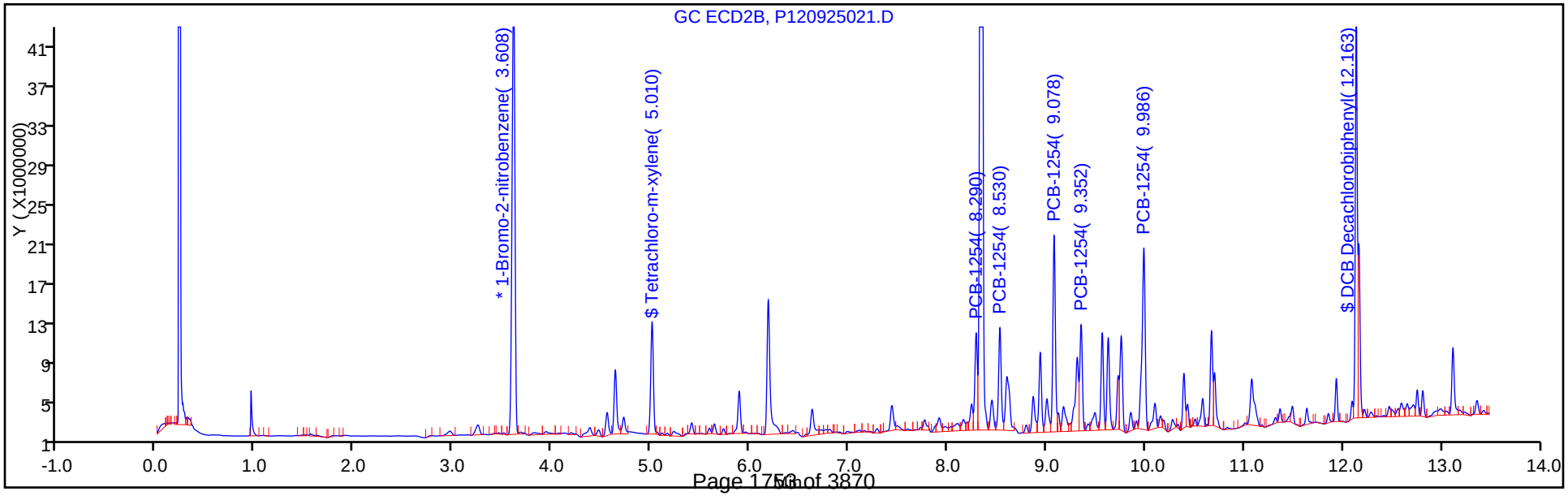
Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925021.D

Injection Date:	25-Sep-2016 19:25:05	Instrument ID:	A2HP12	Operator ID:	
Lims ID:	240-69767-B-39-A	Lab Sample ID:	240-69767-39	Worklist Smp#:	21
Client ID:	DR-SB-255-144-145				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 11:50:56 Chrom Revision: 2.2 08-Sep-2016 14:45:52

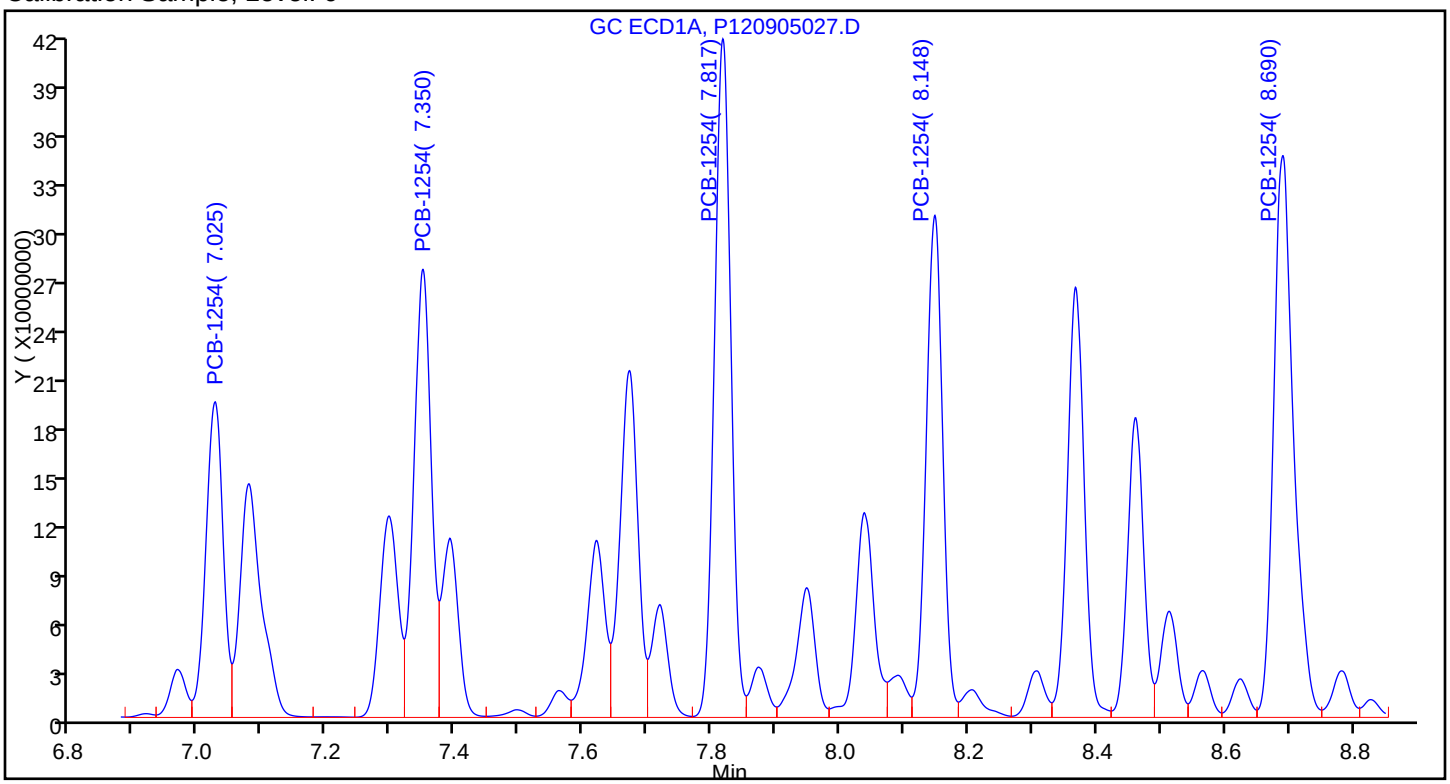
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925021.D

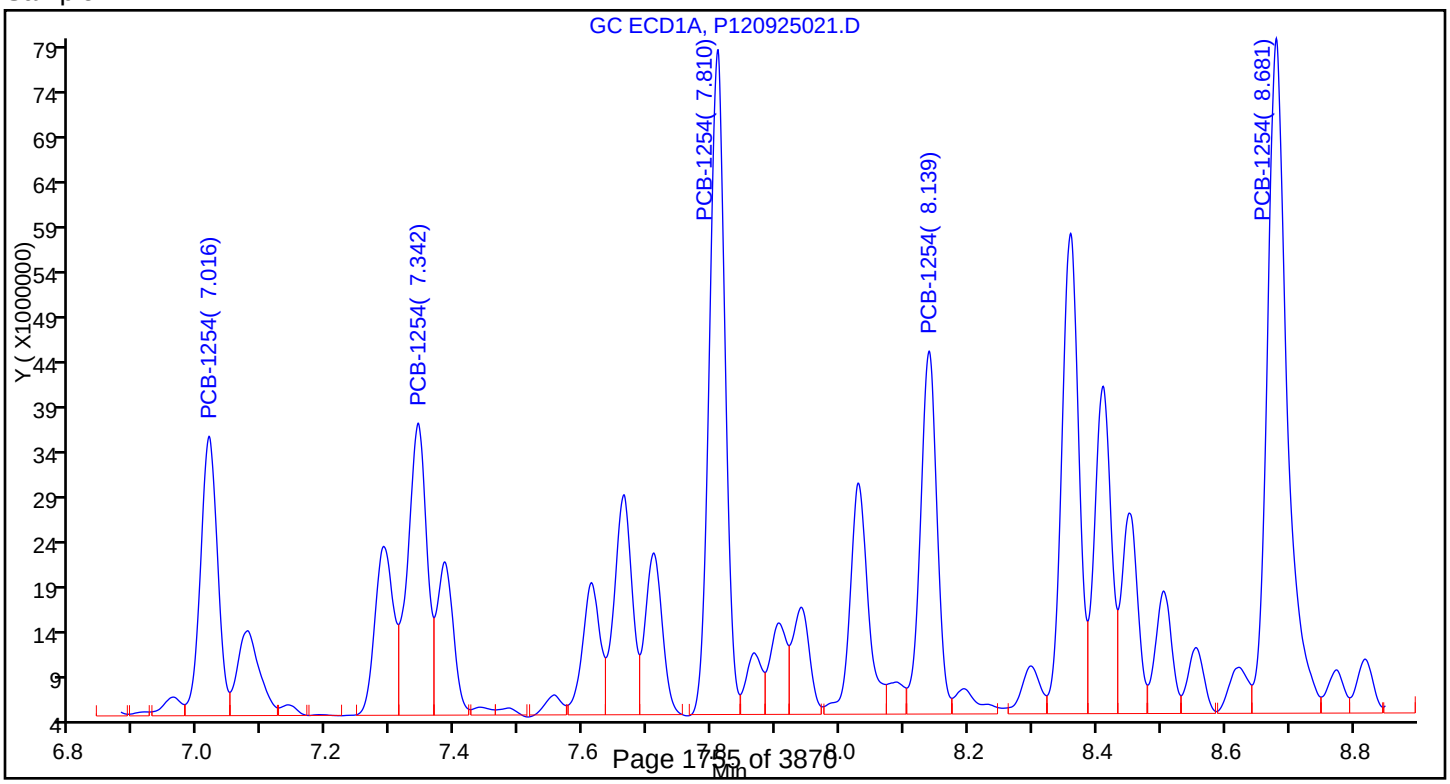
Injection Date:	25-Sep-2016 19:25:05	Instrument ID:	A2HP12
Lims ID:	240-69767-B-39-A	Lab Sample ID:	240-69767-39
Client ID:	DR-SB-255-144-145		
Operator ID:		ALS Bottle#:	21 Worklist Smp#: 21
Injection Vol:	1.0 uL	Dil. Factor:	1.0000
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS
Column:		Detector	GC ECD1A

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



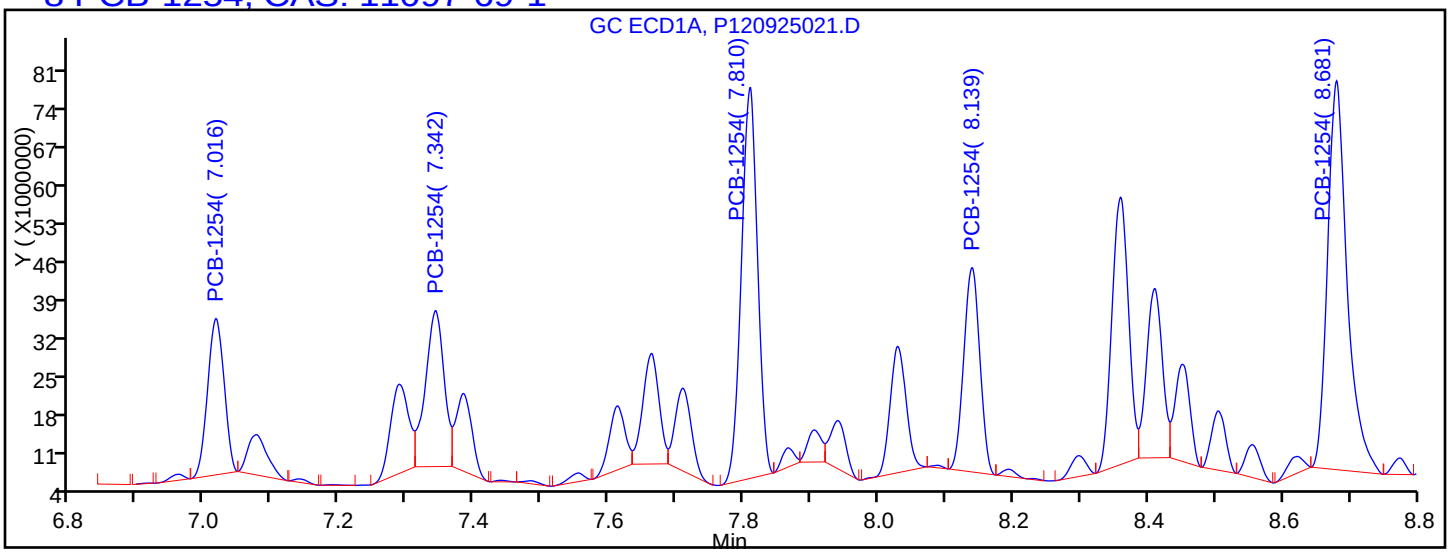
Report Date: 26-Sep-2016 11:50:56 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925021.D

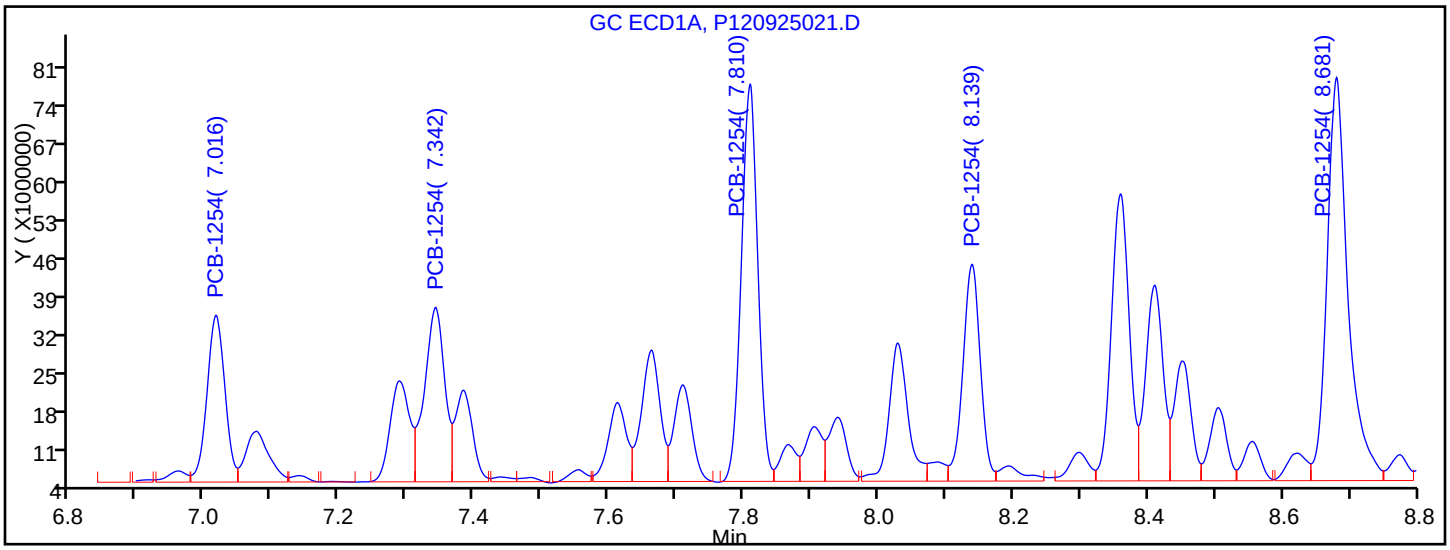
Injection Date:	25-Sep-2016 19:25:05	Instrument ID:	A2HP12		
Lims ID:	240-69767-B-39-A	Lab Sample ID:	240-69767-39		
Client ID:	DR-SB-255-144-145				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		
Column:		Detector	GC ECD1A		

8 PCB-1254, CAS: 11097-69-1



Processing Integration Results

7.016	Response = 49308963
7.342	Response = 55768130
7.810	Response = 120706183
8.139	Response = 62742871
8.681	Response = 146228989



Manual Integration Results

7.016	Response = 57272413	M
7.342	Response = 67032657	M
7.810	Response = 125542089	M
8.139	Response = 72384871	M
8.681	Response = 161954208	M

Reviewer: grantk, 26-Sep-2016 11:19:47

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-256-48-51 | Lab Sample ID: 240-69767-42

Matrix: Solid | Lab File ID: P120925024.D

Analysis Method: 8082A | Date Collected: 09/19/2016 12:55

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.29(g) | Date Analyzed: 09/25/2016 20:17

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 13.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	56	27
11104-28-2	Aroclor-1221	26	U	56	26
11141-16-5	Aroclor-1232	18	U	56	18
53469-21-9	Aroclor-1242	22	U	56	22
12672-29-6	Aroclor-1248	19	U	56	19
11097-69-1	Aroclor-1254	17	J	56	16
11096-82-5	Aroclor-1260	20	U	56	20
37324-23-5	Aroclor-1262	9.0	U	56	9.0
11100-14-4	Aroclor-1268	22	U	56	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	60		14-128
2051-24-3	DCB Decachlorobiphenyl	75		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925024.D
Lims ID: 240-69767-B-42-A
Client ID: DR-SB-256-48-51
Sample Type: Client
Inject. Date: 25-Sep-2016 20:17:53 ALS Bottle#: 24 Worklist Smp#: 24
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058326-024
Operator ID: Instrument ID: A2HP12

Method: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\PCB12IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 11:49:29 Calib Date: 05-Sep-2016 20:36:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP12\20160902-57717.b\P120905033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 11:39:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.885	2.867	0.018	354033506	0.0500	
2	3.608	3.599	0.009	85664877	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.167	4.163	0.004	88372342	0.0121	
2	5.010	5.007	0.003	22820954	0.0113	
					RPD = 6.45	
3 PCB-1221						
1		4.457			ND	
1		4.667				
1		4.722				
2		5.495				
2		5.705				
2		5.791				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.724			ND	
1		5.221				
1		5.842				
1		6.013				
1		6.541				
2		5.791				
2		6.373				
2		6.986				
2		7.163				
2		7.765				
5 PCB-1242						
1		4.724			ND	
1		5.222				
1		5.842				
1		6.013				
1		6.542				
2		5.792				
2		6.373				
2		6.987				
2		7.163				
2		7.767				
6 PCB-1016						
1		4.725			ND	
1		5.224				
1		5.842				
1		6.015				
1		6.543				
2		5.792				
2		6.375				
2		6.987				
2		7.164				
2		7.767				
7 PCB-1248						
1		5.222			ND	
1		6.542				
1		7.071				
1		7.336				
1		7.809				
2		6.374				
2		6.984				
2		7.767				
2		8.295				
2		9.079				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	7.013	7.016	-0.003	4591690	0.0157	
1	7.344	7.342	0.002	2788613	0.004562	
1	7.809	7.809	0.000	7690505	0.0148	
1	8.140	8.139	0.001	5324991	0.0148	
1	8.676	8.680	-0.004	13915496	0.0265	
		Average of Peak Amounts =			0.0153	
2	0.000	8.289	0.000	0	0	
2	8.527	8.529	-0.002	3403959	0.0179	
2	9.082	9.078	0.004	4213977	0.0165	
2	0.000	9.351	0.000	0	0	
2	9.985	9.986	-0.001	3790485	0.0111	
		Average of Peak Amounts =			0.0152	
					RPD = 0.78 ✓	
10 PCB-1260						
1		8.030			ND	
1		8.361				
1		8.680				
1		9.461				
1		9.777				
2		9.313				
2		9.565				
2		9.985				
2		10.704				
2		11.078				
9 PCB-1262						
1		8.361			ND	
1		8.820				
1		9.098				
1		9.460				
1		9.825				
2		9.565				
2		10.095				
2		10.428				
2		10.704				
2		11.075				
11 PCB-1268						
1		9.826			ND	
1		9.868				
1		10.091				
1		10.482				
1		10.775				
2		11.072				
2		11.119				
2		11.365				
2		11.637				
2		11.936				
$ 12 DCB Decachlorobiphenyl						
1	10.960	10.960	0.000	97917185	0.0151	
2	12.165	12.164	0.001	25556764	0.0161	
					RPD = 6.74	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

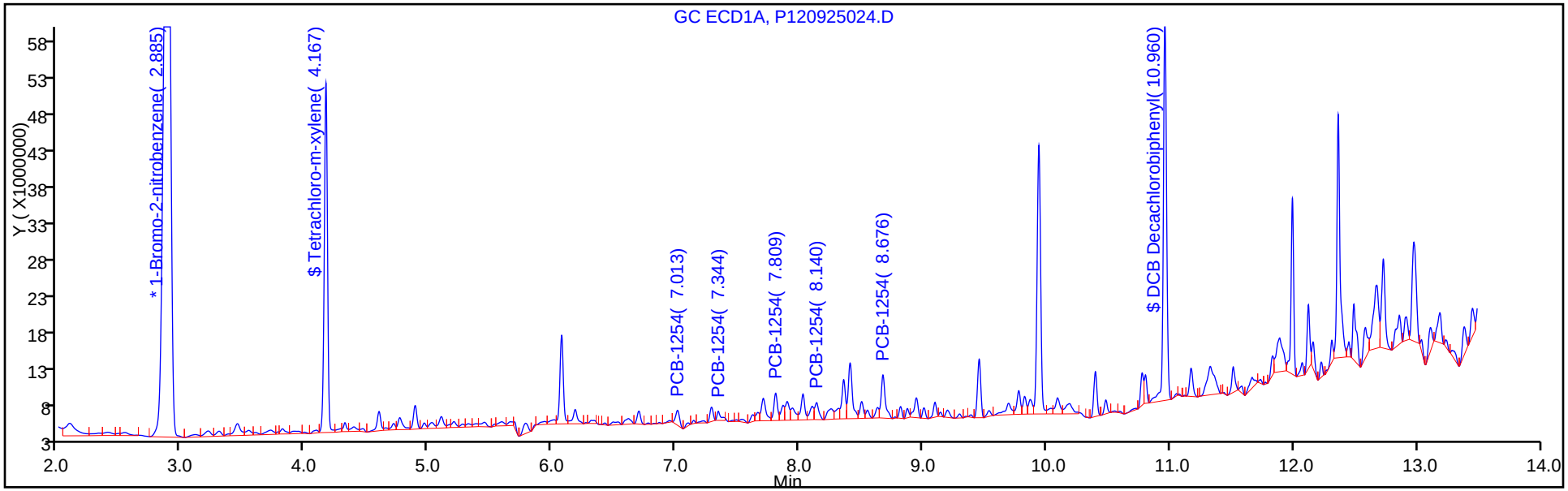
Report Date: 26-Sep-2016 11:51:15 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

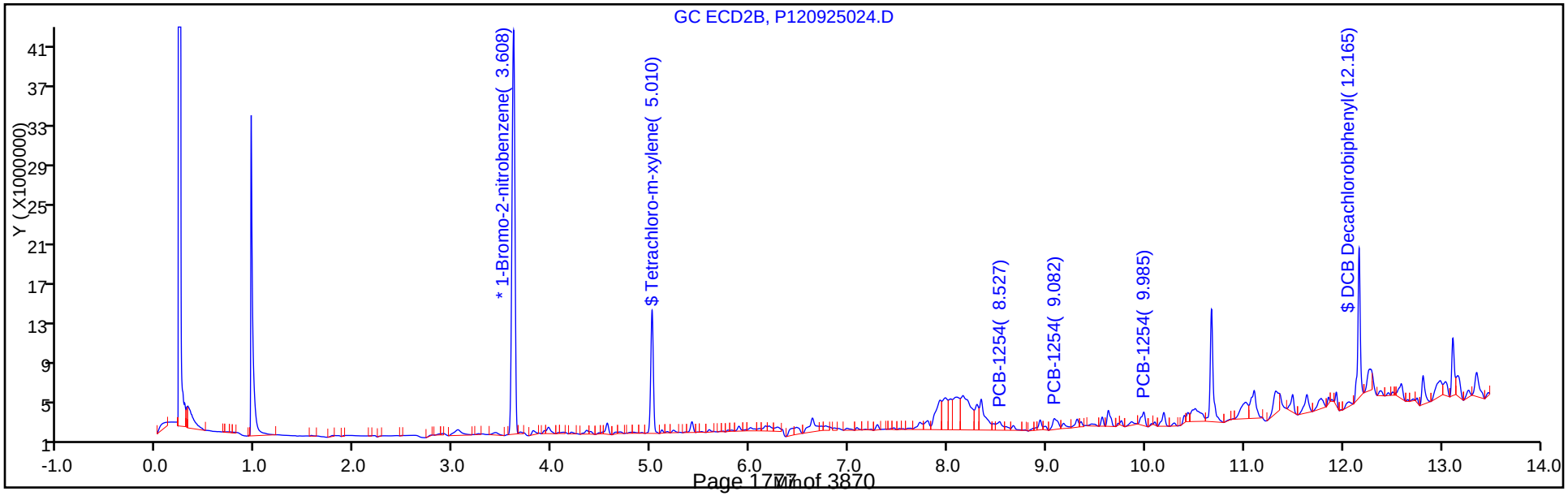
Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925024.D

Injection Date:	25-Sep-2016 20:17:53	Instrument ID:	A2HP12	Operator ID:	
Lims ID:	240-69767-B-42-A	Lab Sample ID:	240-69767-42	Worklist Smp#:	24
Client ID:	DR-SB-256-48-51				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 11:51:16 Chrom Revision: 2.2 08-Sep-2016 14:45:52

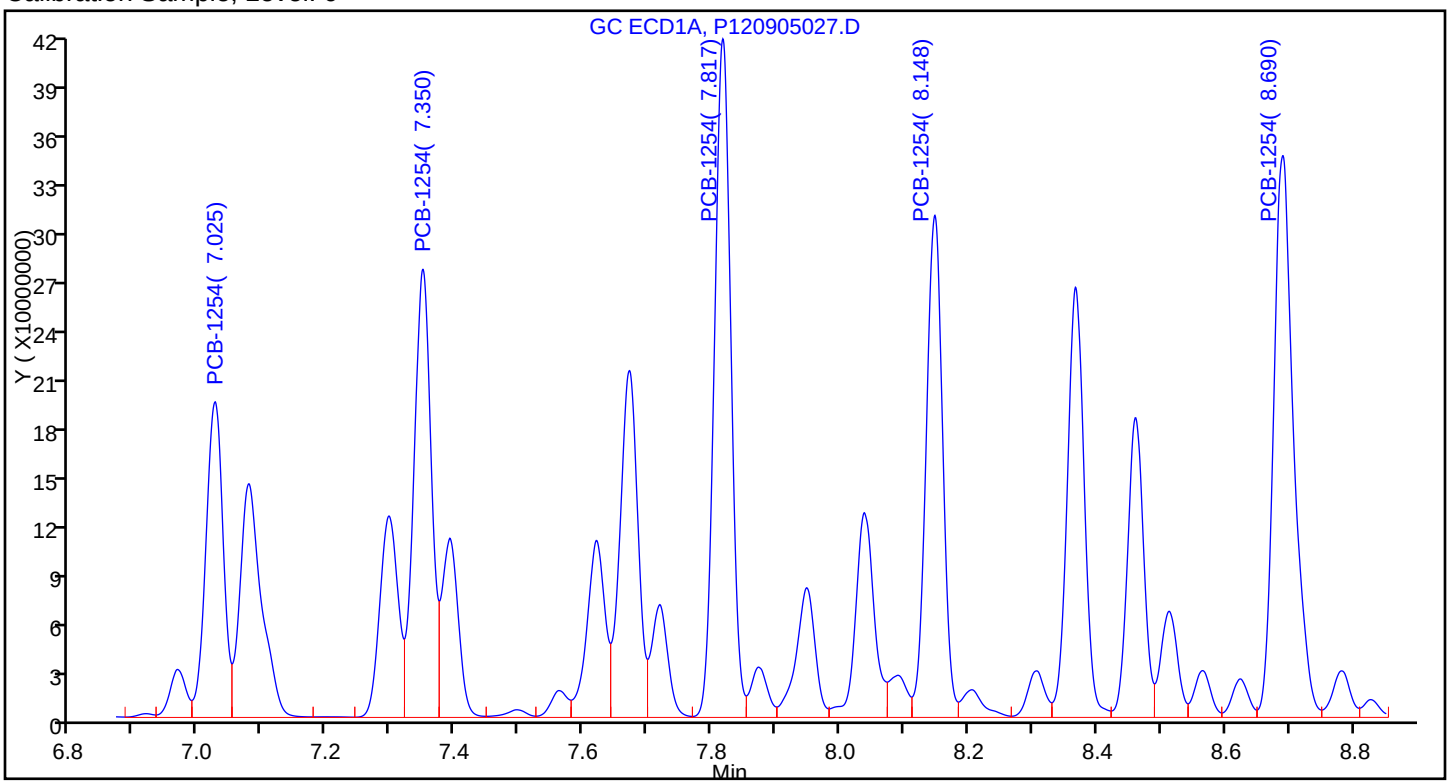
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925024.D

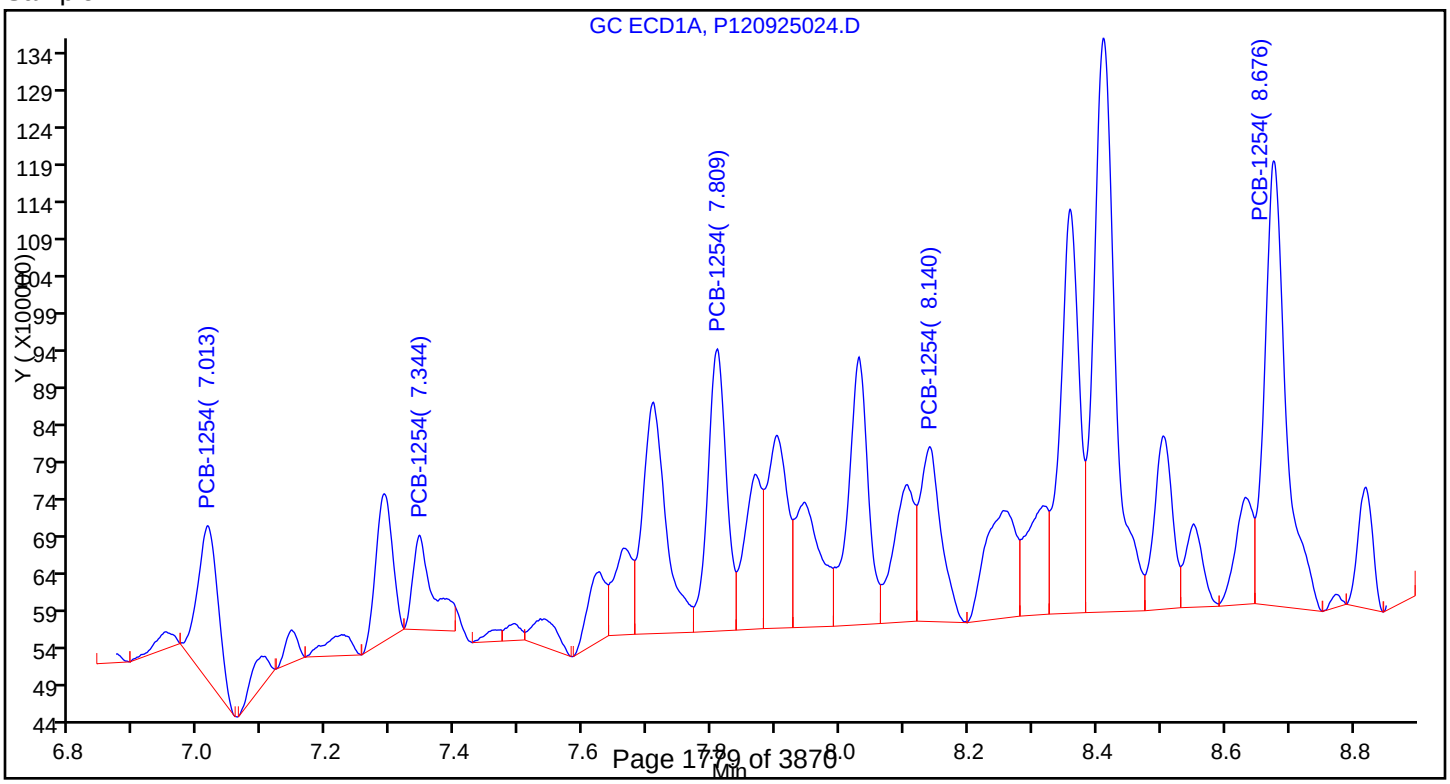
Injection Date:	25-Sep-2016 20:17:53	Instrument ID:	A2HP12		
Lims ID:	240-69767-B-42-A	Lab Sample ID:	240-69767-42		
Client ID:	DR-SB-256-48-51				
Operator ID:		ALS Bottle#:	24	Worklist Smp#:	24
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		
Column:		Detector	GC ECD1A		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-256-144-145 | Lab Sample ID: 240-69767-46

Matrix: Solid | Lab File ID: P120925031.D

Analysis Method: 8082A | Date Collected: 09/19/2016 13:05

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.08(g) | Date Analyzed: 09/25/2016 22:21

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 18.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	29	U	61	29
11104-28-2	Aroclor-1221	28	U	61	28
11141-16-5	Aroclor-1232	19	U	61	19
53469-21-9	Aroclor-1242	24	U	61	24
12672-29-6	Aroclor-1248	21	U	61	21
11097-69-1	Aroclor-1254	32	J	61	17
11096-82-5	Aroclor-1260	22	U	61	22
37324-23-5	Aroclor-1262	9.7	U	61	9.7
11100-14-4	Aroclor-1268	24	U	61	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	48		14-128
2051-24-3	DCB Decachlorobiphenyl	91		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925031.D
Lims ID: 240-69767-B-46-A
Client ID: DR-SB-256-144-145
Sample Type: Client
Inject. Date: 25-Sep-2016 22:21:13 ALS Bottle#: 31 Worklist Smp#: 31
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058326-031
Operator ID: Instrument ID: A2HP12

Method: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\PCB12IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 11:51:35 Calib Date: 05-Sep-2016 20:36:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP12\20160902-57717.b\P120905033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 11:46:37

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.886	2.881	0.006	422883634	0.0500	
2	3.608	3.607	0.001	88252574	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.168	4.166	0.002	83775225	0.009570	
2	5.010	5.009	0.001	24467248	0.0118	
					RPD = 20.58	
3 PCB-1221						
1		4.457			ND	
1		4.667				
1		4.722				
2		5.495				
2		5.705				
2		5.791				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.724			ND	
1		5.221				
1		5.842				
1		6.013				
1		6.541				
2		5.791				
2		6.373				
2		6.986				
2		7.163				
2		7.765				
5 PCB-1242						
1		4.724			ND	
1		5.222				
1		5.842				
1		6.013				
1		6.542				
2		5.792				
2		6.373				
2		6.987				
2		7.163				
2		7.767				
6 PCB-1016						
1		4.726			ND	
1		5.223				
1		5.841				
1		6.015				
1		6.543				
2		5.793				
2		6.375				
2		6.986				
2		7.164				
2		7.767				
7 PCB-1248						
1		5.222			ND	
1		6.542				
1		7.071				
1		7.336				
1		7.809				
2		6.374				
2		6.984				
2		7.767				
2		8.295				
2		9.079				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	7.017	7.016	0.001	8025746	0.0250	
1	7.340	7.342	-0.002	13843067	0.0312	
1	7.809	7.809	0.000	13284336	0.0221	
1	8.140	8.139	0.001	10076146	0.0236	
1	8.680	8.680	0.000	17620855	0.0283	
		Average of Peak Amounts =			0.0260	
2	8.296	8.289	0.007	3220166	0.0198	
2	8.530	8.529	0.001	3372366	0.0163	
2	9.080	9.078	0.002	4899737	0.0213	
2	9.350	9.351	-0.001	3234829	0.0192	
2	9.989	9.986	0.003	5281728	0.0232	
		Average of Peak Amounts =			0.0200	
					RPD = 26.48	✓
10 PCB-1260						
1		8.030			ND	
1		8.361				
1		8.681				
1		9.462				
1		9.777				
2		9.312				
2		9.566				
2		9.986				
2		10.704				
2		11.079				
9 PCB-1262						
1		8.361			ND	
1		8.820				
1		9.098				
1		9.460				
1		9.825				
2		9.565				
2		10.095				
2		10.428				
2		10.704				
2		11.075				
11 PCB-1268						
1		9.826			ND	
1		9.868				
1		10.091				
1		10.482				
1		10.775				
2		11.072				
2		11.119				
2		11.365				
2		11.637				
2		11.936				
$ 12 DCB Decachlorobiphenyl						
1	10.965	10.961	0.004	141508161	0.0182	
2	12.165	12.166	-0.001	25588042	0.0157	
					RPD = 15.14	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

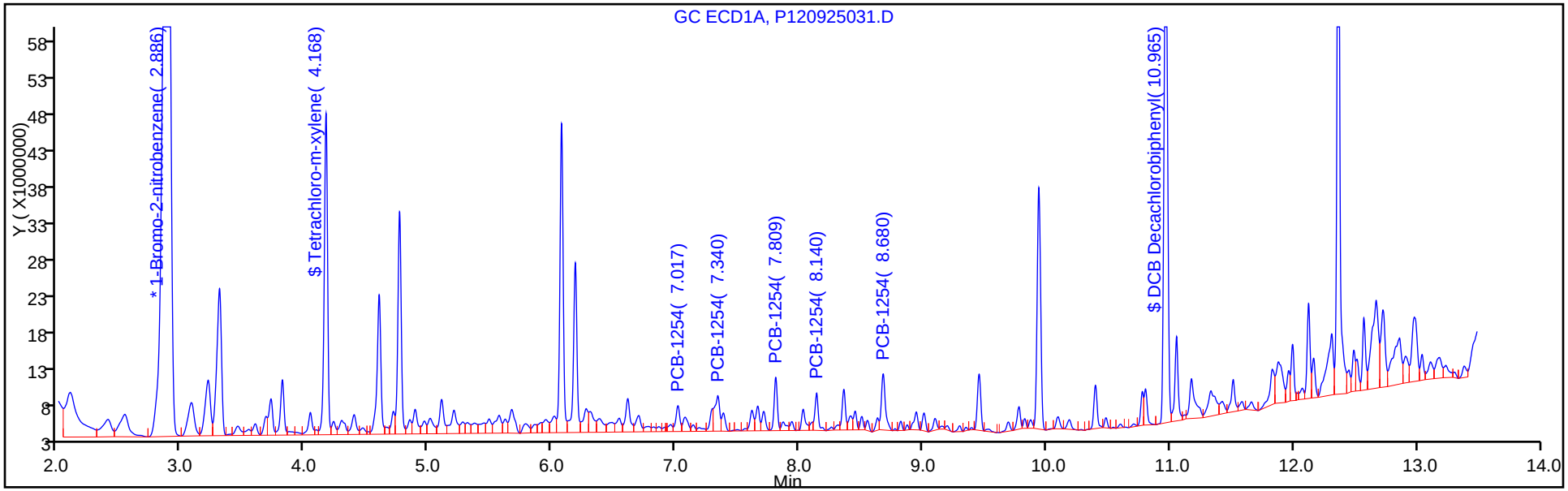
Report Date: 26-Sep-2016 11:51:49 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

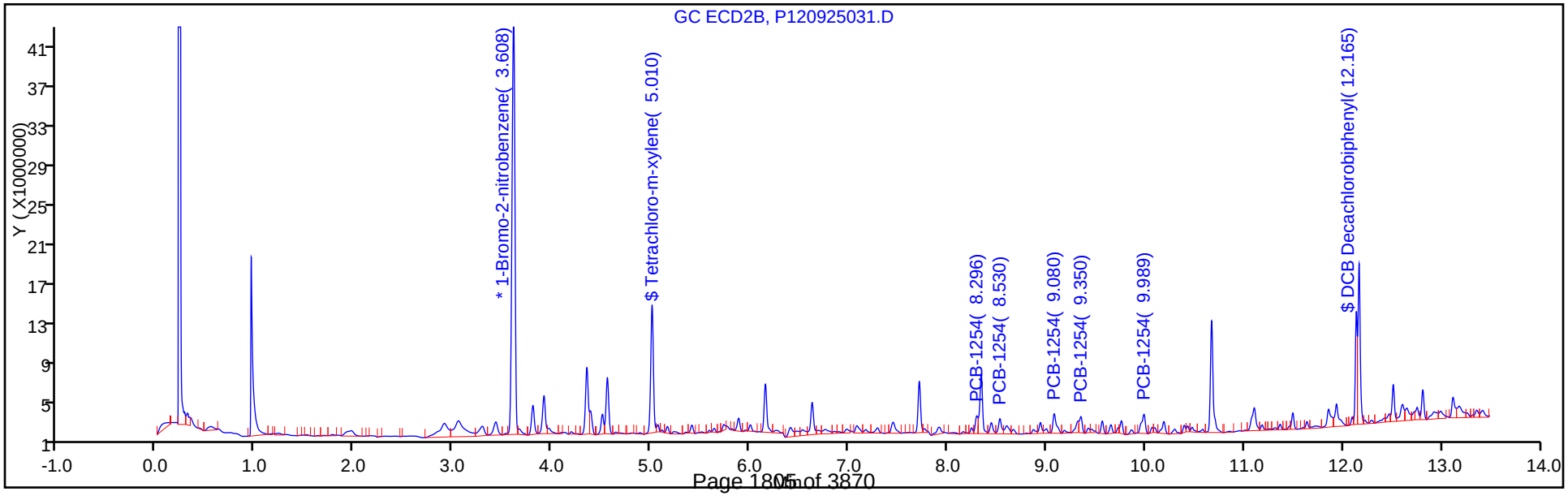
Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925031.D

Injection Date:	25-Sep-2016 22:21:13	Instrument ID:	A2HP12	Operator ID:	
Lims ID:	240-69767-B-46-A	Lab Sample ID:	240-69767-46	Worklist Smp#:	31
Client ID:	DR-SB-256-144-145				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	31
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 11:51:50 Chrom Revision: 2.2 08-Sep-2016 14:45:52

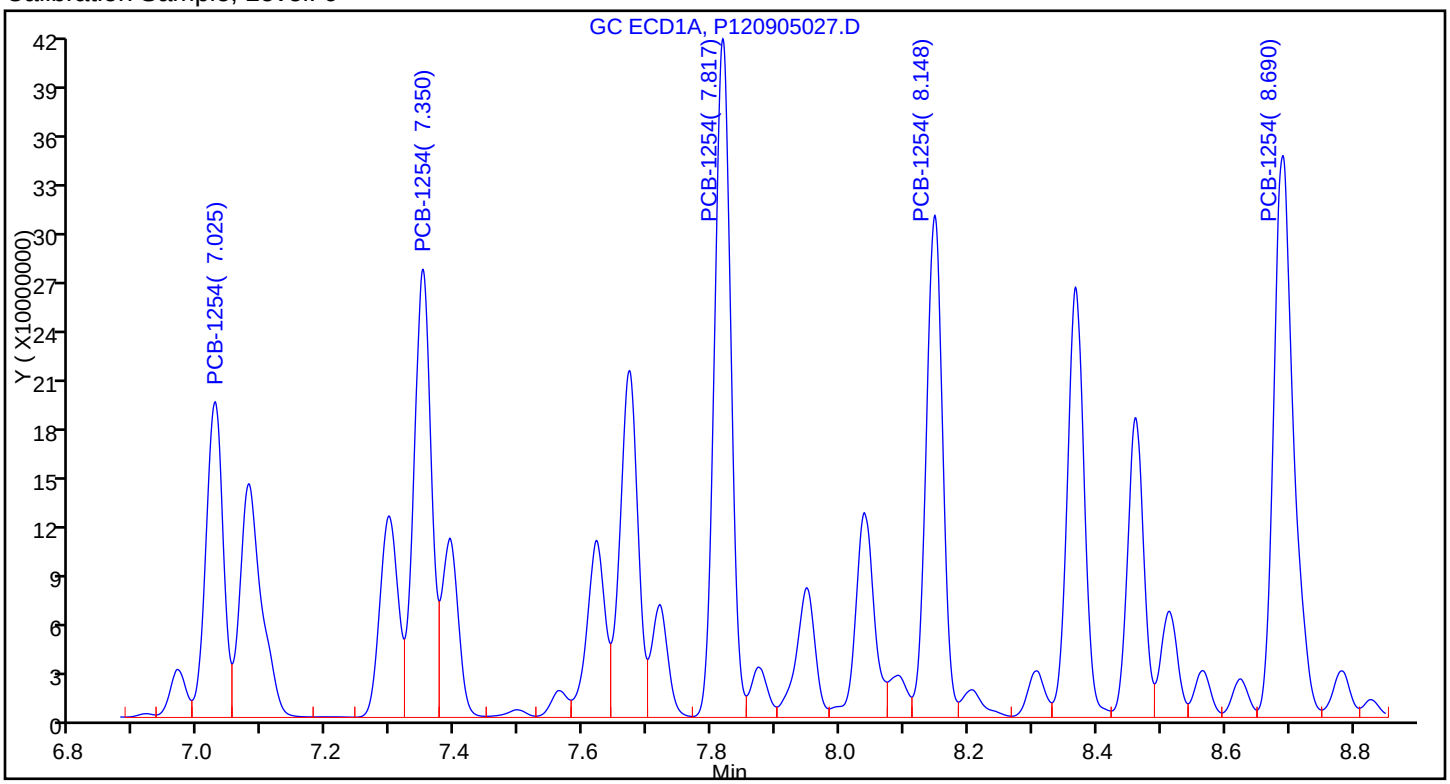
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925031.D

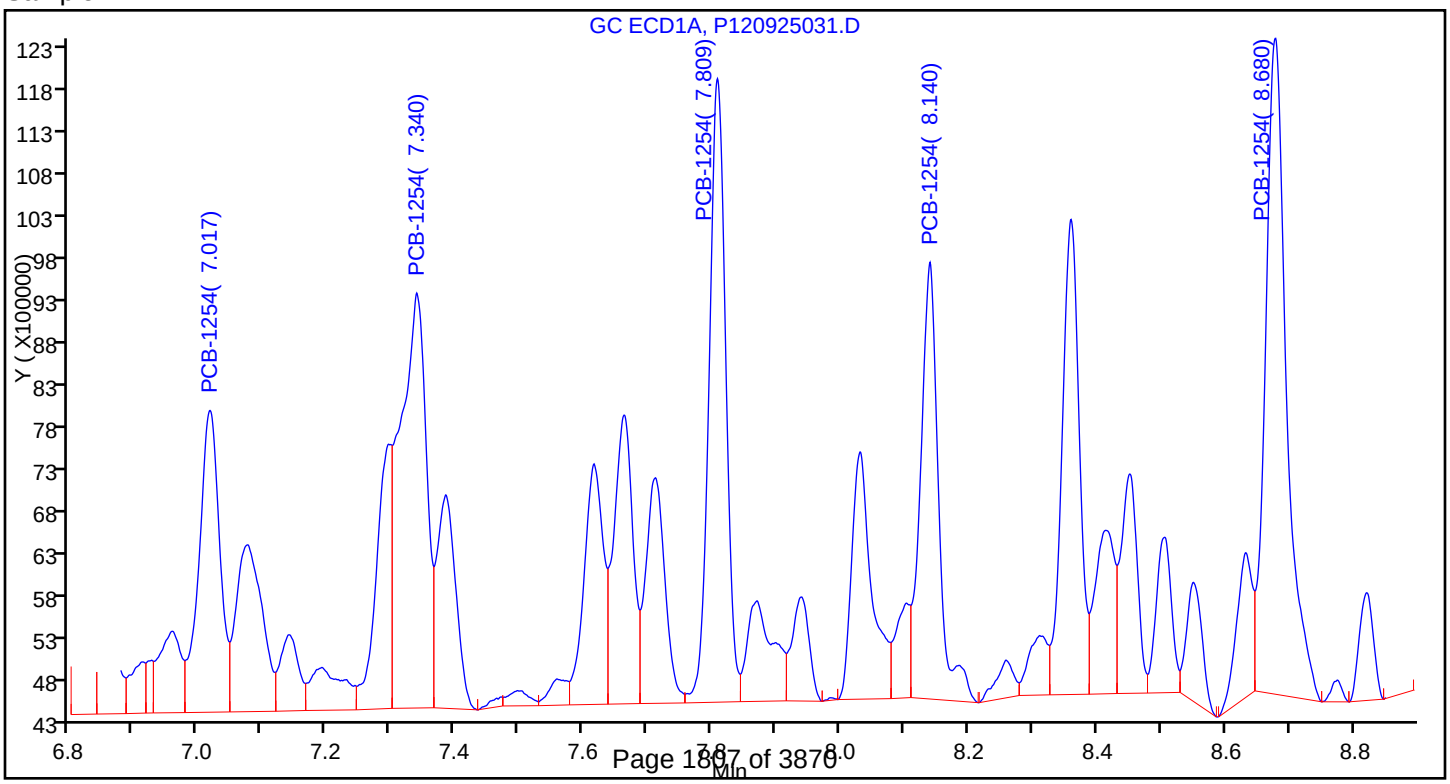
Injection Date:	25-Sep-2016 22:21:13	Instrument ID:	A2HP12		
Lims ID:	240-69767-B-46-A	Lab Sample ID:	240-69767-46		
Client ID:	DR-SB-256-144-145				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		
Column:		Detector	GC ECD1A		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-257-72-75 | Lab Sample ID: 240-69767-50

Matrix: Solid | Lab File ID: P100102009.D

Analysis Method: 8082A | Date Collected: 09/20/2016 08:53

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.59(g) | Date Analyzed: 10/02/2016 11:25

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 38.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 249387 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	40	U	84	40
11104-28-2	Aroclor-1221	39	U	84	39
11141-16-5	Aroclor-1232	27	U	84	27
53469-21-9	Aroclor-1242	34	U	84	34
12672-29-6	Aroclor-1248	29	U	84	29
11097-69-1	Aroclor-1254	50	J	84	24
11096-82-5	Aroclor-1260	30	U	84	30
37324-23-5	Aroclor-1262	13	U	84	13
11100-14-4	Aroclor-1268	34	U	84	34

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	51		14-128
2051-24-3	DCB Decachlorobiphenyl	47	p	10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP10\20161002-58550.b\P100102009.D
Lims ID: 240-69767-B-50-A
Client ID: DR-SB-257-72-75
Sample Type: Client
Inject. Date: 02-Oct-2016 11:25:59 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058550-009
Operator ID: Instrument ID: A2HP10

Method: \\ChromNA\Canton\ChromData\A2HP10\20161002-58550.b\PCB10 IS.m
Limit Group: GC 8082A IS
Last Update: 03-Oct-2016 08:59:18 Calib Date: 21-Sep-2016 03:28:26
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK049

First Level Reviewer: grantk Date: 03-Oct-2016 08:23:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.793	2.793	0.000	283144418	0.0500	
2	3.367	3.366	0.001	167567096	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.094	4.090	0.004	61210655	0.009665	
2	4.681	4.680	0.001	37778236	0.0103	
					RPD = 5.99	
3 PCB-1221						
1		4.362			ND	
1		4.553				
1		4.604				
2		5.133				
2		5.328				
2		5.409				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
5 PCB-1242						
1		4.603			ND	
1		5.069				
1		5.661				
1		5.829				
1		6.345				
2		5.408				
2		5.960				
2		6.550				
2		6.722				
2		7.312				
4 PCB-1232						
1		4.604			ND	
1		5.071				
1		5.665				
1		5.832				
1		6.348				
2		5.409				
2		5.963				
2		6.552				
2		6.725				
2		7.313				
6 PCB-1016						
1		4.602			ND	
1		5.068				
1		5.660				
1		5.830				
1		6.345				
2		5.409				
2		5.962				
2		6.553				
2		6.725				
2		7.314				
7 PCB-1248						
1		5.070			ND	
1		5.654				
1		6.348				
1		7.131				
1		7.602				
2		5.960				
2		6.549				
2		7.314				
2		7.834				
2		8.608				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	6.804	6.813	-0.009	7337384	0.0137	
1	7.127	7.134	-0.007	9785005	0.0199	
1	7.591	7.598	-0.007	12705004	0.0153	
1	7.920	7.934	-0.014	11630020	0.0300	
1	8.461	8.475	-0.014	16995934	0.0380	
		Average of Peak Amounts =			0.0234	
2	7.827	7.824	0.003	7027410	0.0218	
2	8.063	8.064	-0.001	8789272	0.0398	
2	8.600	8.605	-0.005	8603256	0.0188	
2	8.873	8.881	-0.008	6889563	0.0306	
2	9.498	9.505	-0.007	12287201	0.0386	
		Average of Peak Amounts =			0.0299	
					RPD = 24.47	
10 PCB-1260						
1		7.821			ND	
1		8.153				
1		8.475				
1		9.257				
1		9.575				
2		8.840				
2		9.095				
2		9.504				
2		10.252				
2		10.642				
9 PCB-1262						
1		7.823			ND	
1		8.613				
1		8.893				
1		9.258				
1		9.623				
2		8.839				
2		9.613				
2		9.955				
2		10.252				
2		10.638				
11 PCB-1268						
1		9.620			ND	
1		9.663				
1		9.883				
1		10.292				
1		10.594				
2		10.634				
2		10.683				
2		10.937				
2		11.222				
2		11.526				
$ 12 DCB Decachlorobiphenyl						
1	10.783	10.788	-0.005	89344310	0.0161	
2	11.757	11.760	-0.003	30484145	0.009364	
					RPD = 53.13	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

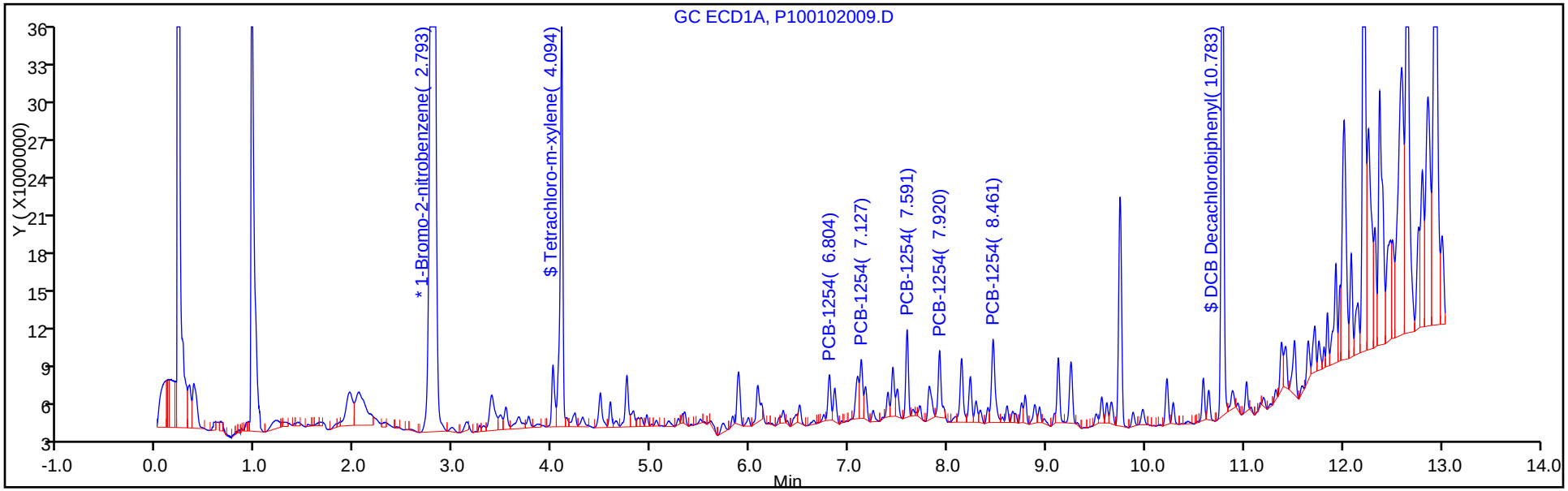
Report Date: 03-Oct-2016 08:59:32 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

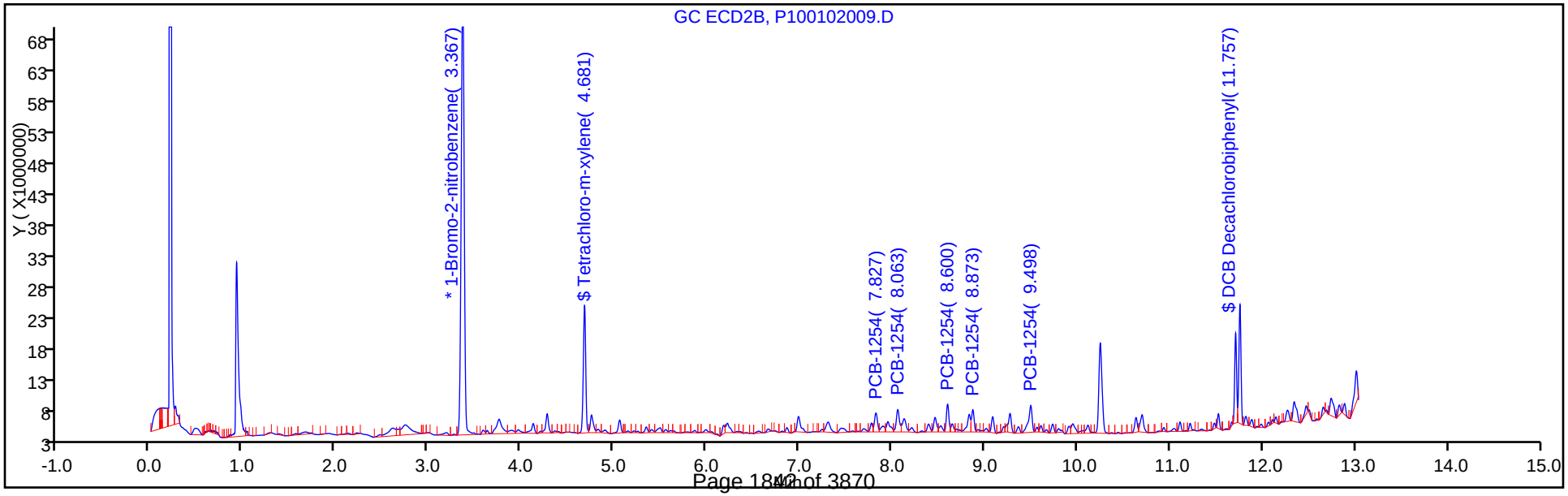
Data File: \\ChromNA\Canton\ChromData\A2HP10\20161002-58550.b\P100102009.D

Injection Date:	02-Oct-2016 11:25:59	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	240-69767-B-50-A	Lab Sample ID:	240-69767-50	Worklist Smp#:	9
Client ID:	DR-SB-257-72-75				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 03-Oct-2016 08:59:32 Chrom Revision: 2.2 08-Sep-2016 14:45:52

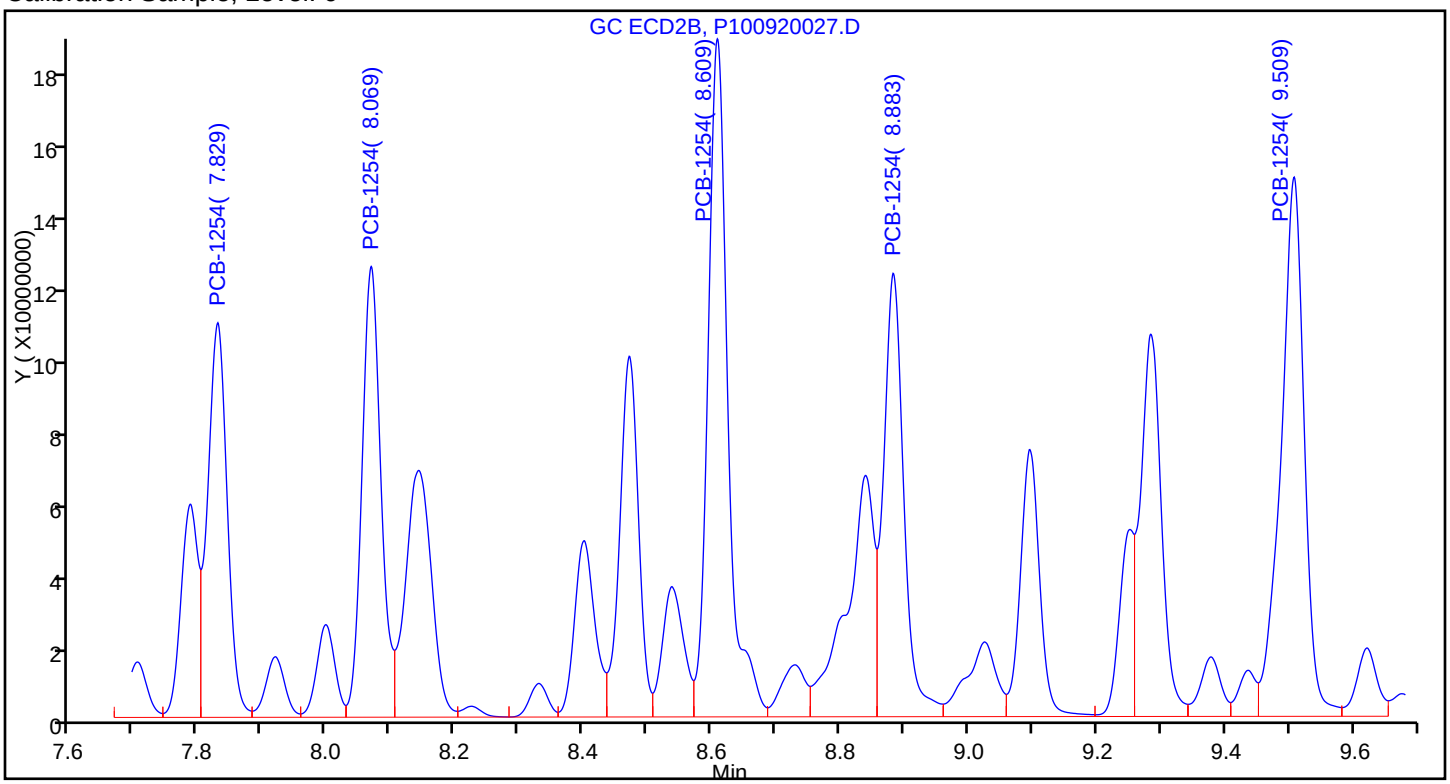
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP10\20161002-58550.b\P100102009.D

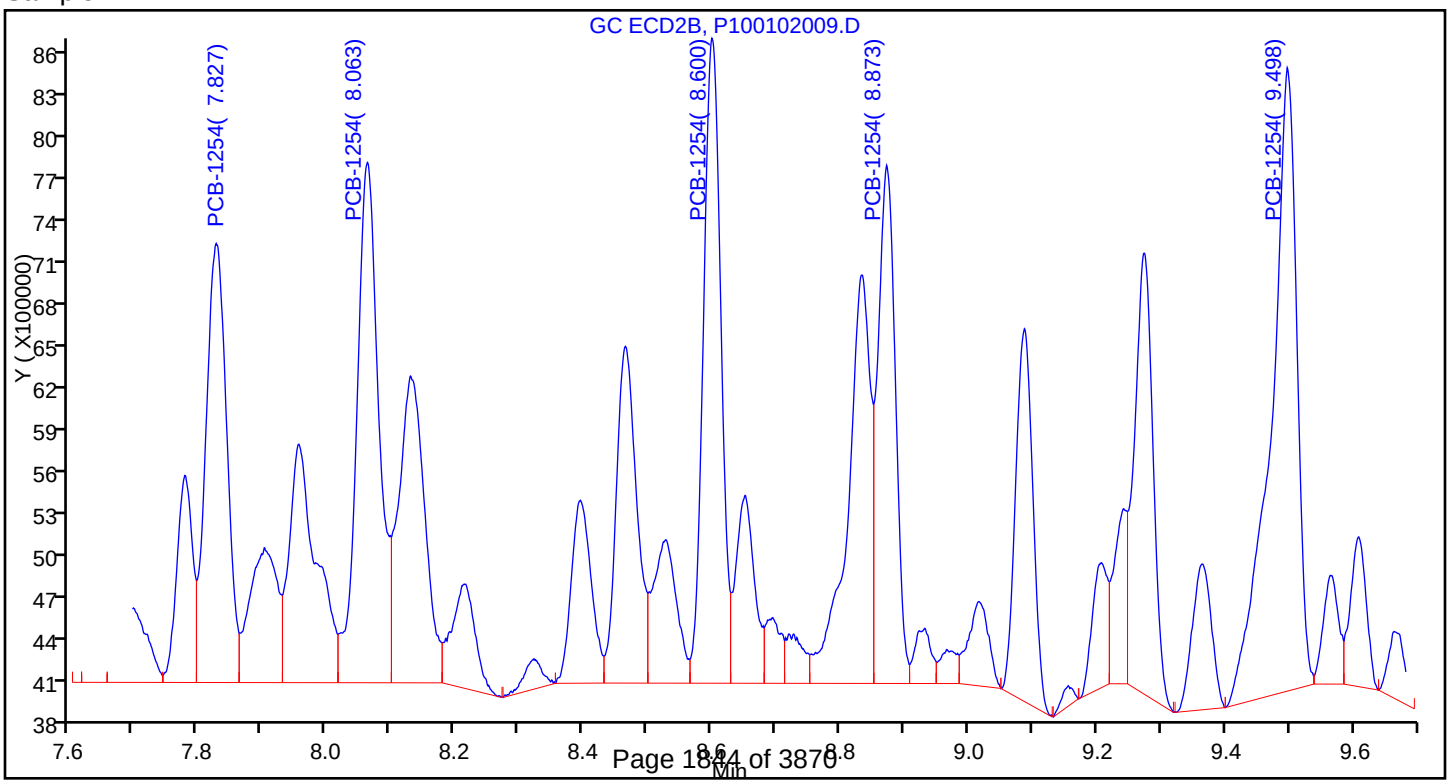
Injection Date:	02-Oct-2016 11:25:59	Instrument ID:	A2HP10		
Lims ID:	240-69767-B-50-A	Lab Sample ID:	240-69767-50		
Client ID:	DR-SB-257-72-75				
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB10 IS	Limit Group:	GC 8082A IS		
Column:		Detector	GC ecd2b		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-257-96-99 | Lab Sample ID: 240-69767-51

Matrix: Solid | Lab File ID: P100102010.D

Analysis Method: 8082A | Date Collected: 09/20/2016 08:54

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.65(g) | Date Analyzed: 10/02/2016 11:44

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 44.6 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 249387 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	45	U	94	45
11104-28-2	Aroclor-1221	43	U	94	43
11141-16-5	Aroclor-1232	30	U	94	30
53469-21-9	Aroclor-1242	37	U	94	37
12672-29-6	Aroclor-1248	32	U	94	32
11097-69-1	Aroclor-1254	42	J	94	26
11096-82-5	Aroclor-1260	34	U	94	34
37324-23-5	Aroclor-1262	15	U	94	15
11100-14-4	Aroclor-1268	37	U	94	37

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	62		14-128
2051-24-3	DCB Decachlorobiphenyl	57	p	10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP10\20161002-58550.b\P100102010.D
Lims ID: 240-69767-B-51-A
Client ID: DR-SB-257-96-99
Sample Type: Client
Inject. Date: 02-Oct-2016 11:44:44 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058550-010
Operator ID: Instrument ID: A2HP10

Method: \\ChromNA\Canton\ChromData\A2HP10\20161002-58550.b\PCB10 IS.m
Limit Group: GC 8082A IS
Last Update: 03-Oct-2016 08:59:18 Calib Date: 21-Sep-2016 03:28:26
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK049

First Level Reviewer: grantk Date: 03-Oct-2016 08:25:10

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.789	2.793	-0.004	274303045	0.0500	
2	3.364	3.366	-0.002	157797679	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.094	4.090	0.004	66951451	0.0109	
2	4.681	4.680	0.001	43315119	0.0125	
					RPD = 13.52	
3 PCB-1221						
1		4.362			ND	
1		4.553				
1		4.604				
2		5.133				
2		5.328				
2		5.409				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
5 PCB-1242						
1		4.603			ND	
1		5.069				
1		5.661				
1		5.829				
1		6.345				
2		5.408				
2		5.960				
2		6.550				
2		6.722				
2		7.312				
4 PCB-1232						
1		4.604			ND	
1		5.071				
1		5.665				
1		5.832				
1		6.348				
2		5.409				
2		5.963				
2		6.552				
2		6.725				
2		7.313				
6 PCB-1016						
1		4.602			ND	
1		5.068				
1		5.660				
1		5.830				
1		6.345				
2		5.409				
2		5.962				
2		6.553				
2		6.725				
2		7.314				
7 PCB-1248						
1		5.070			ND	
1		5.654				
1		6.348				
1		7.131				
1		7.602				
2		5.960				
2		6.549				
2		7.314				
2		7.834				
2		8.608				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	6.806	6.813	-0.007	7525856	0.0163	
1	0.000	7.134	-7.134	0	0	
1	7.591	7.598	-0.007	10994415	0.0113	
1	7.921	7.934	-0.013	11590963	0.0312	
1	0.000	8.475	0.000	0	0	
		Average of Peak Amounts =			0.0196	
2	7.830	7.824	0.006	4590213	0.003317	
2	8.064	8.064	0.000	4749128	0.0107	
2	8.603	8.605	-0.002	8998809	0.0235	
2	8.870	8.881	-0.011	8054003	0.0431	
2	9.501	9.505	-0.004	10108643	0.0304	
		Average of Peak Amounts =			0.0222	
					RPD = 12.37	
10 PCB-1260						
1		7.821			ND	
1		8.153				
1		8.475				
1		9.257				
1		9.575				
2		8.840				
2		9.095				
2		9.504				
2		10.252				
2		10.642				
9 PCB-1262						
1		7.823			ND	
1		8.613				
1		8.893				
1		9.258				
1		9.623				
2		8.839				
2		9.613				
2		9.955				
2		10.252				
2		10.638				
11 PCB-1268						
1		9.620			ND	
1		9.663				
1		9.883				
1		10.292				
1		10.594				
2		10.634				
2		10.683				
2		10.937				
2		11.222				
2		11.526				
$ 12 DCB Decachlorobiphenyl						
1	10.786	10.788	-0.002	291873671	0.0544	
2	11.756	11.760	-0.004	34656314	0.0113	
					RPD = 131.20	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

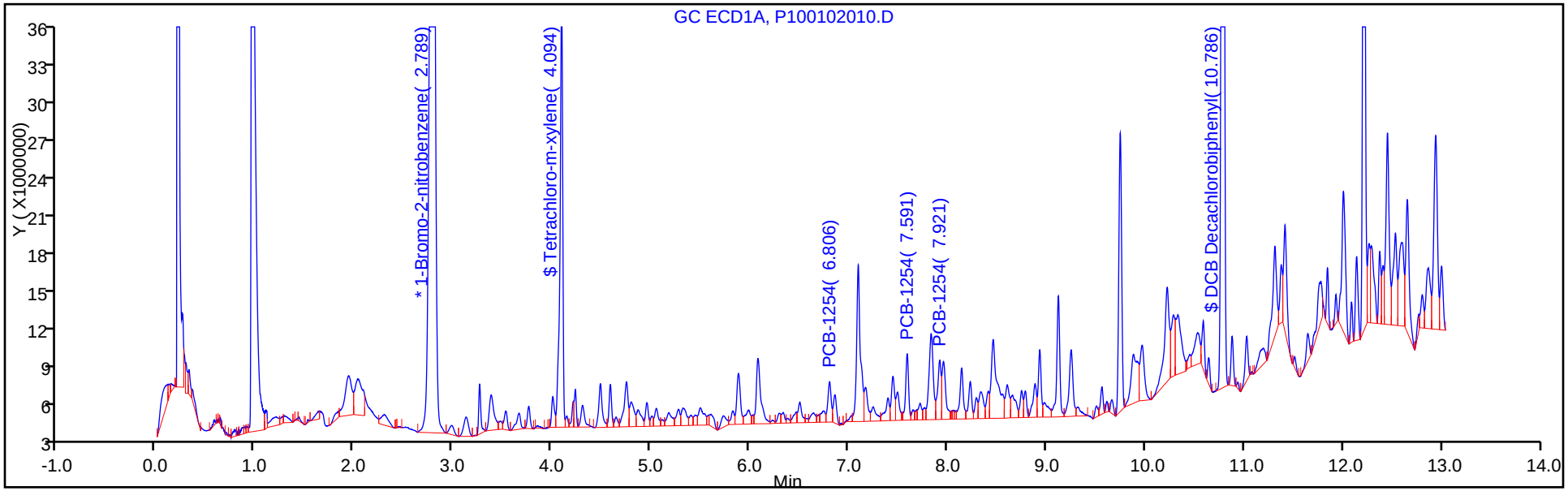
Report Date: 03-Oct-2016 08:59:35 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

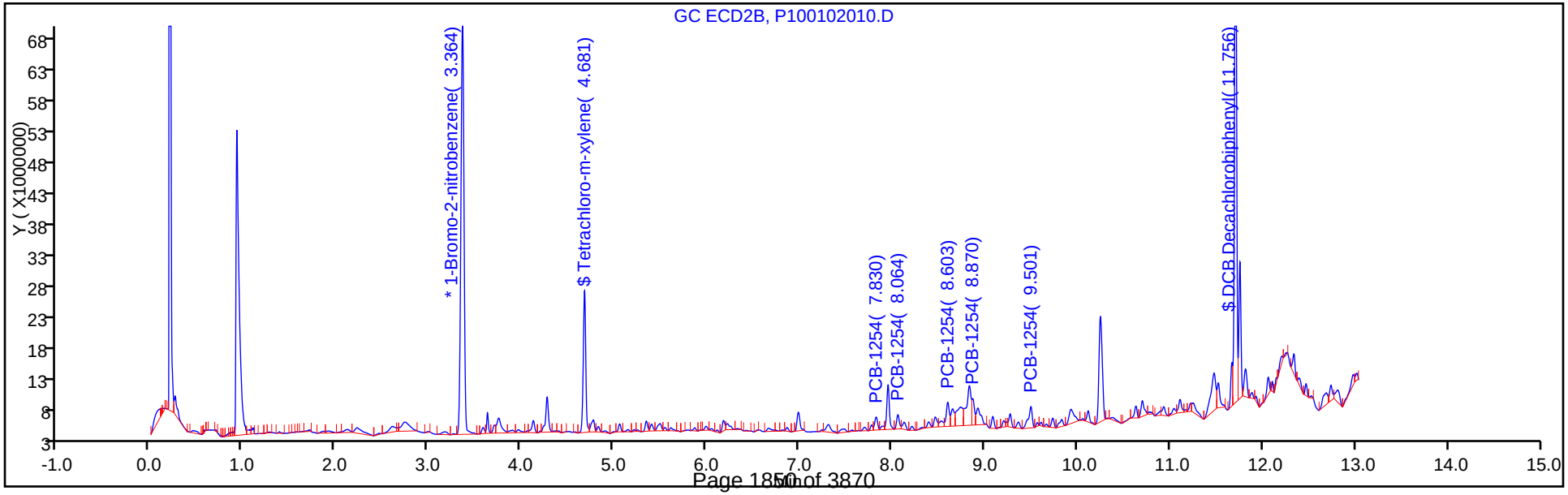
Data File: \\ChromNA\Canton\ChromData\A2HP10\20161002-58550.b\P100102010.D

Injection Date:	02-Oct-2016 11:44:44	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	240-69767-B-51-A	Lab Sample ID:	240-69767-51	Worklist Smp#:	10
Client ID:	DR-SB-257-96-99				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 03-Oct-2016 08:59:35 Chrom Revision: 2.2 08-Sep-2016 14:45:52

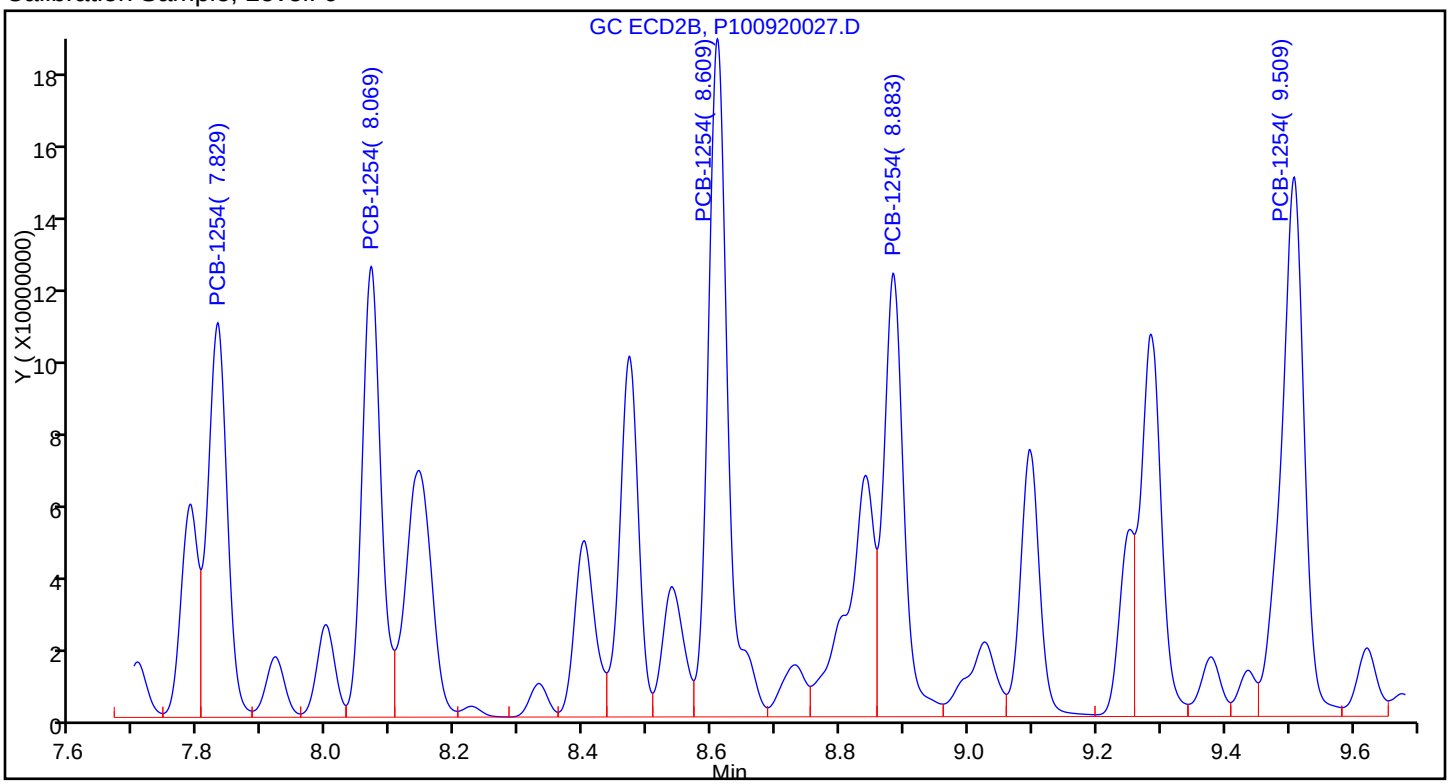
TestAmerica Canton

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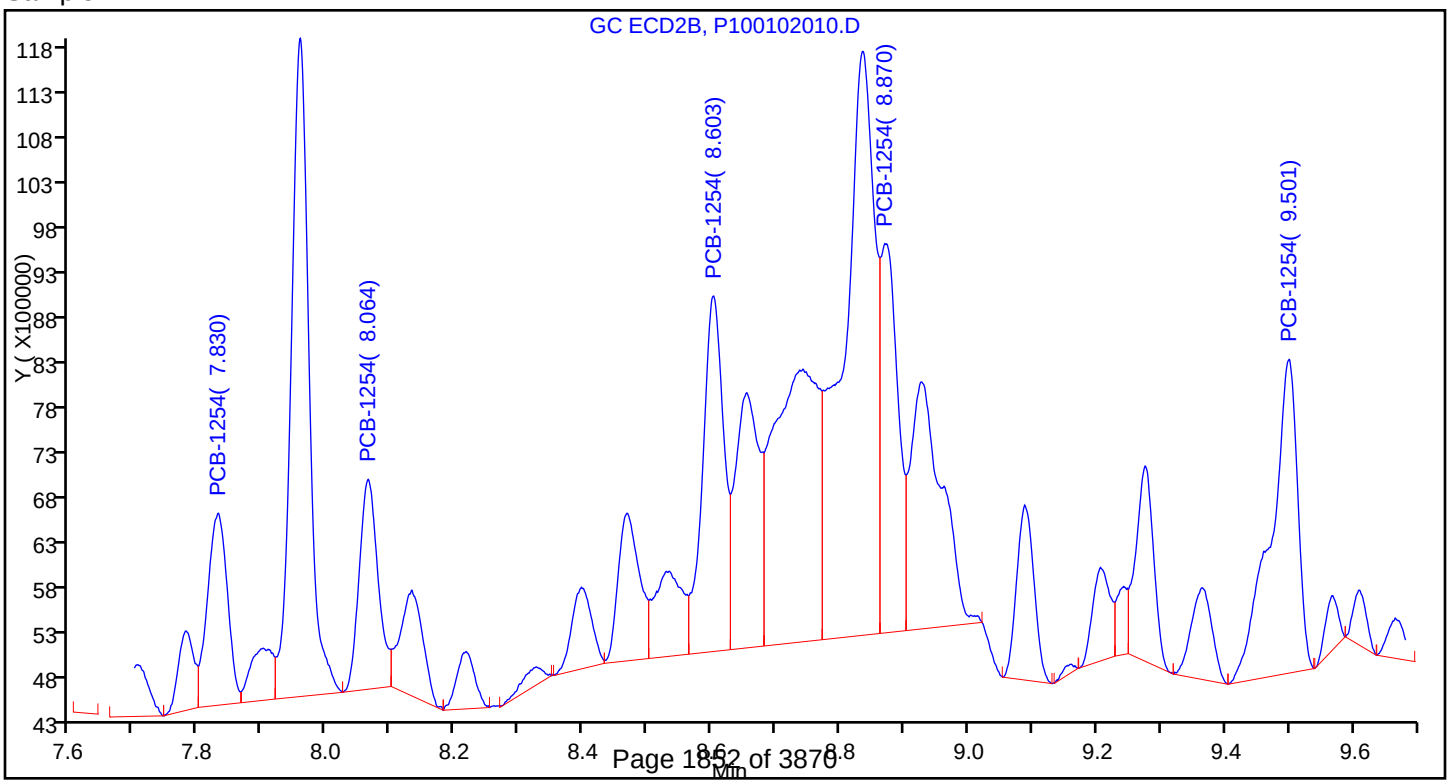
Injection Date:	02-Oct-2016 11:44:44	Instrument ID:	A2HP10		
Lims ID:	240-69767-B-51-A	Lab Sample ID:	240-69767-51		
Client ID:	DR-SB-257-96-99				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB10 IS	Limit Group:	GC 8082A IS		
Column:		Detector	GC ecd2b		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-257-120-123 | Lab Sample ID: 240-69767-52

Matrix: Solid | Lab File ID: SIG10013.D

Analysis Method: 8082A | Date Collected: 09/20/2016 08:55

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 10.35(g) | Date Analyzed: 09/29/2016 11:13

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 17.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	28	U	58	28
11104-28-2	Aroclor-1221	27	U	58	27
11141-16-5	Aroclor-1232	19	U	58	19
53469-21-9	Aroclor-1242	23	U	58	23
12672-29-6	Aroclor-1248	20	U	58	20
11097-69-1	Aroclor-1254	88		58	16
11096-82-5	Aroclor-1260	21	U	58	21
37324-23-5	Aroclor-1262	9.3	U	58	9.3
11100-14-4	Aroclor-1268	23	U	58	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	49		14-128
2051-24-3	DCB Decachlorobiphenyl	99		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10013.D
Lims ID: 240-69767-B-52-A
Client ID: DR-SB-257-120-123
Sample Type: Client
Inject. Date: 29-Sep-2016 11:13:38 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058452-013
Operator ID: Instrument ID: A2HP4

Method: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\PCB4 is.m
Limit Group: GC 8082A IS
Last Update: 30-Sep-2016 07:48:27 Calib Date: 23-Sep-2016 00:25:00
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP4\20160922-58269.b\SIG10033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK026

First Level Reviewer: grantk Date: 29-Sep-2016 14:54:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	1.867	1.869	-0.001	262628899	0.0500	
2	2.219	2.235	-0.017	411709207	0.0500	
$ 2 Tetrachloro-m-xylene						
1	2.906	2.898	0.008	65948370	0.0103	
2	3.761	3.756	0.005	101557790	0.009899	
					RPD = 4.10	
3 PCB-1221						
1		3.234			ND	
1		3.484				
1		3.552				
2		4.339				
2		4.587				
2		4.689				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
6 PCB-1016						
1		3.545			ND	
1		4.146				
1		4.890				
1		5.090				
1		5.469				
2		4.684				
2		5.363				
2		6.073				
2		6.268				
2		6.890				
4 PCB-1232						
1		3.549			ND	
1		4.149				
1		4.892				
1		5.092				
1		5.469				
2		4.684				
2		5.364				
2		6.073				
2		6.269				
2		6.894				
5 PCB-1242						
1		3.553			ND	
1		4.153				
1		4.897				
1		5.096				
1		5.477				
2		4.688				
2		5.367				
2		6.077				
2		6.272				
2		6.615				
7 PCB-1248						
1		4.151			ND	
1		5.396				
1		6.351				
1		6.605				
1		7.074				
2		5.365				
2		6.073				
2		7.039				
2		7.384				
2		8.047				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						M
1	6.265	6.268	-0.003	11437694	0.0466	
1	6.610	6.612	-0.002	16753421	0.0546	
1	7.072	7.075	-0.003	24367709	0.0678	
1	7.378	7.380	-0.002	18597540	0.0701	
1	7.850	7.852	-0.002	30013476	0.0871	
		Average of Peak Amounts =			0.0652	
2	7.382	7.381	0.001	6919148	0.0147	
2	7.591	7.592	-0.001	16461616	0.0486	
2	0.000	8.049	0.000	0	0	
2	8.265	8.267	-0.002	26214024	0.0976	M
2	8.749	8.750	-0.001	49834997	0.1410	M
		Average of Peak Amounts =			0.0754	
					RPD = 14.49	
10 PCB-1260						
1		7.275			ND	
1		7.569				
1		7.844				
1		8.473				
1		8.720				
2		8.229				
2		8.425				
2		8.742				
2		9.288				
2		9.590				
9 PCB-1262						
1		7.576			ND	
1		7.968				
1		8.196				
1		8.480				
1		8.762				
2		8.430				
2		8.829				
2		9.083				
2		9.293				
2		9.593				
11 PCB-1268						
1		8.764			ND	
1		8.798				
1		8.964				
1		9.259				
1		9.493				
2		9.592				
2		9.630				
2		9.837				
2		10.062				
2		10.323				
$ 12 DCB Decachlorobiphenyl						
1	9.642	9.639	0.003	75830064	0.0177	
2	10.525	10.525	0.000	91790821	0.0199	
					RPD = 11.65	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

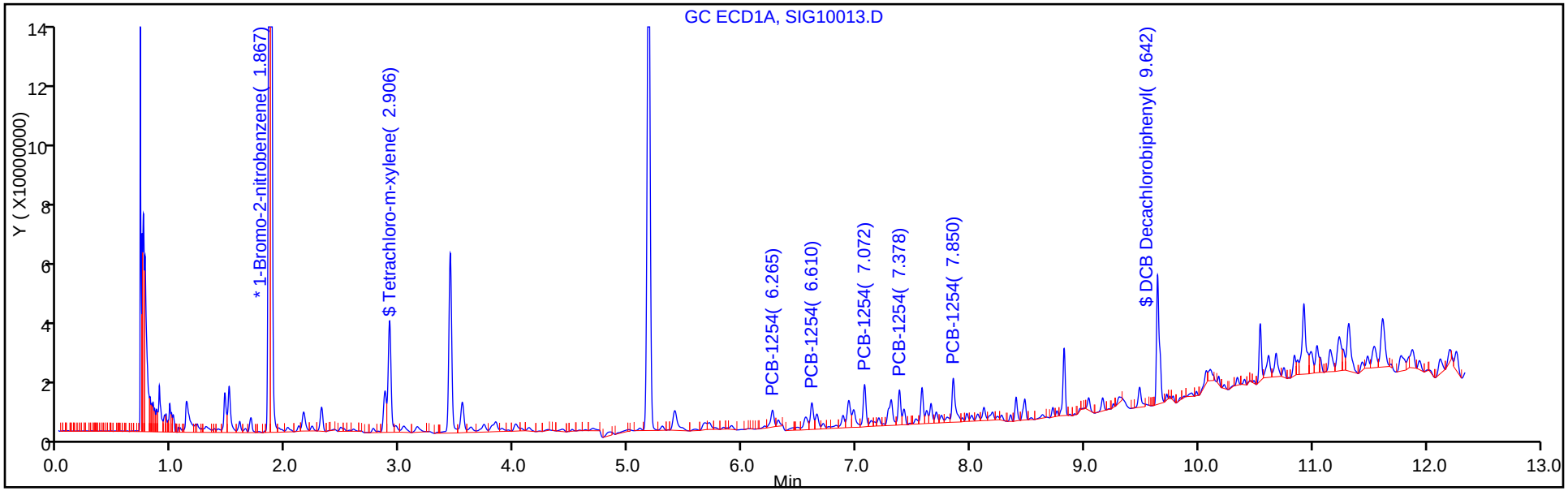
Report Date: 30-Sep-2016 07:49:40 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

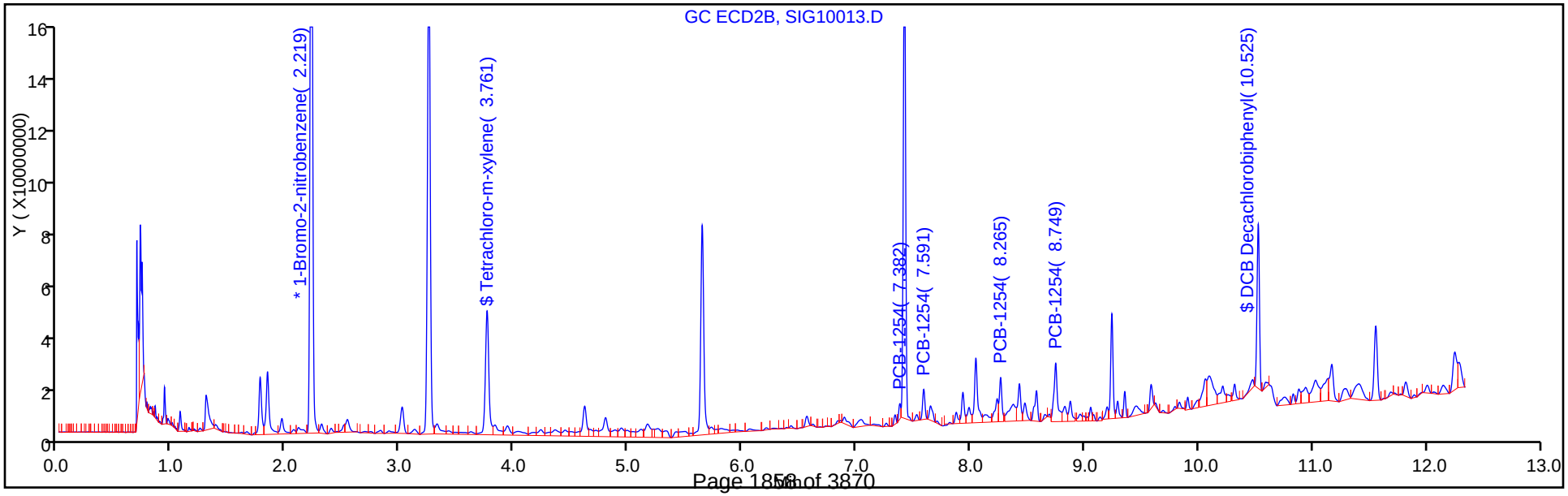
Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10013.D

Injection Date:	29-Sep-2016 11:13:38	Instrument ID:	A2HP4	Operator ID:	
Lims ID:	240-69767-B-52-A	Lab Sample ID:	240-69767-52	Worklist Smp#:	13
Client ID:	DR-SB-257-120-123				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	PCB4 is	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 30-Sep-2016 07:49:41 Chrom Revision: 2.2 08-Sep-2016 14:45:52

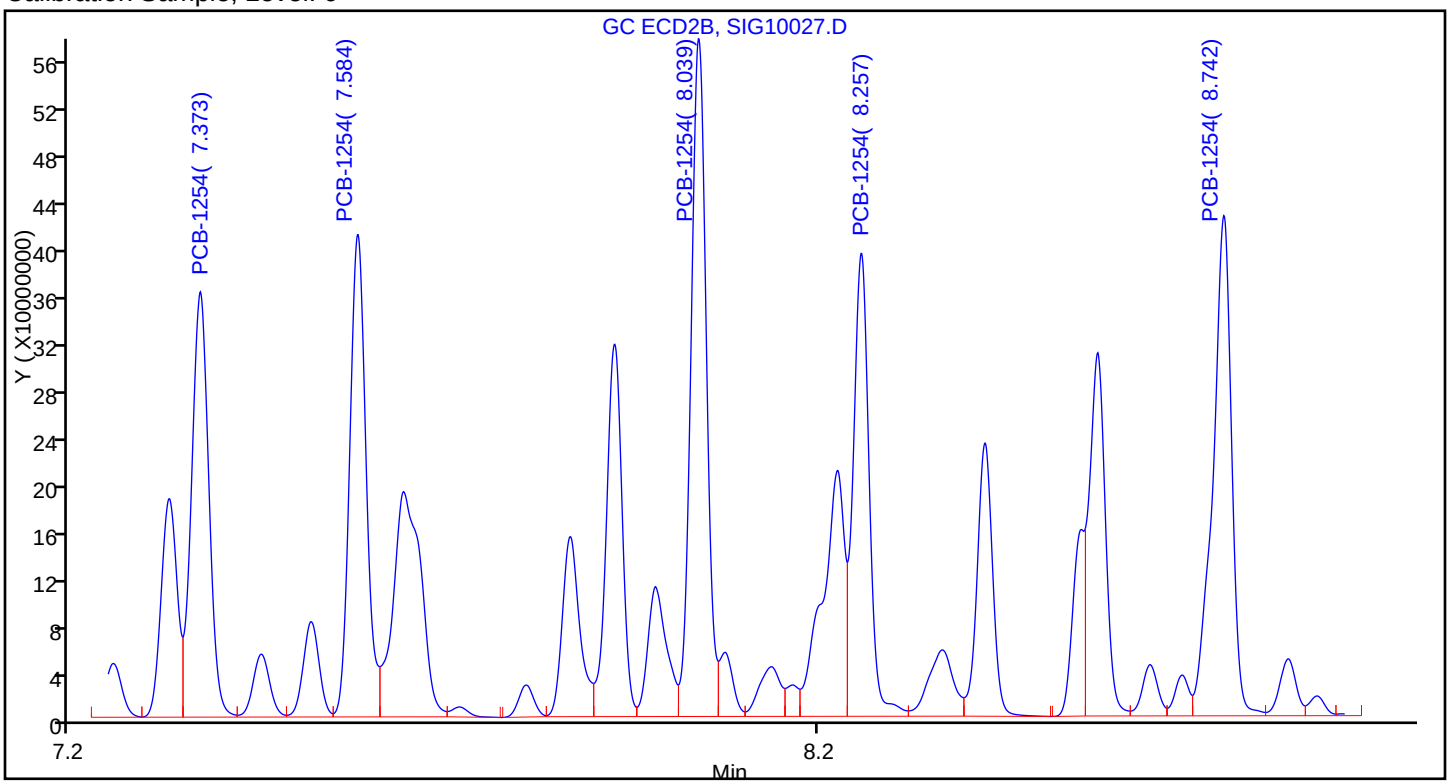
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10013.D

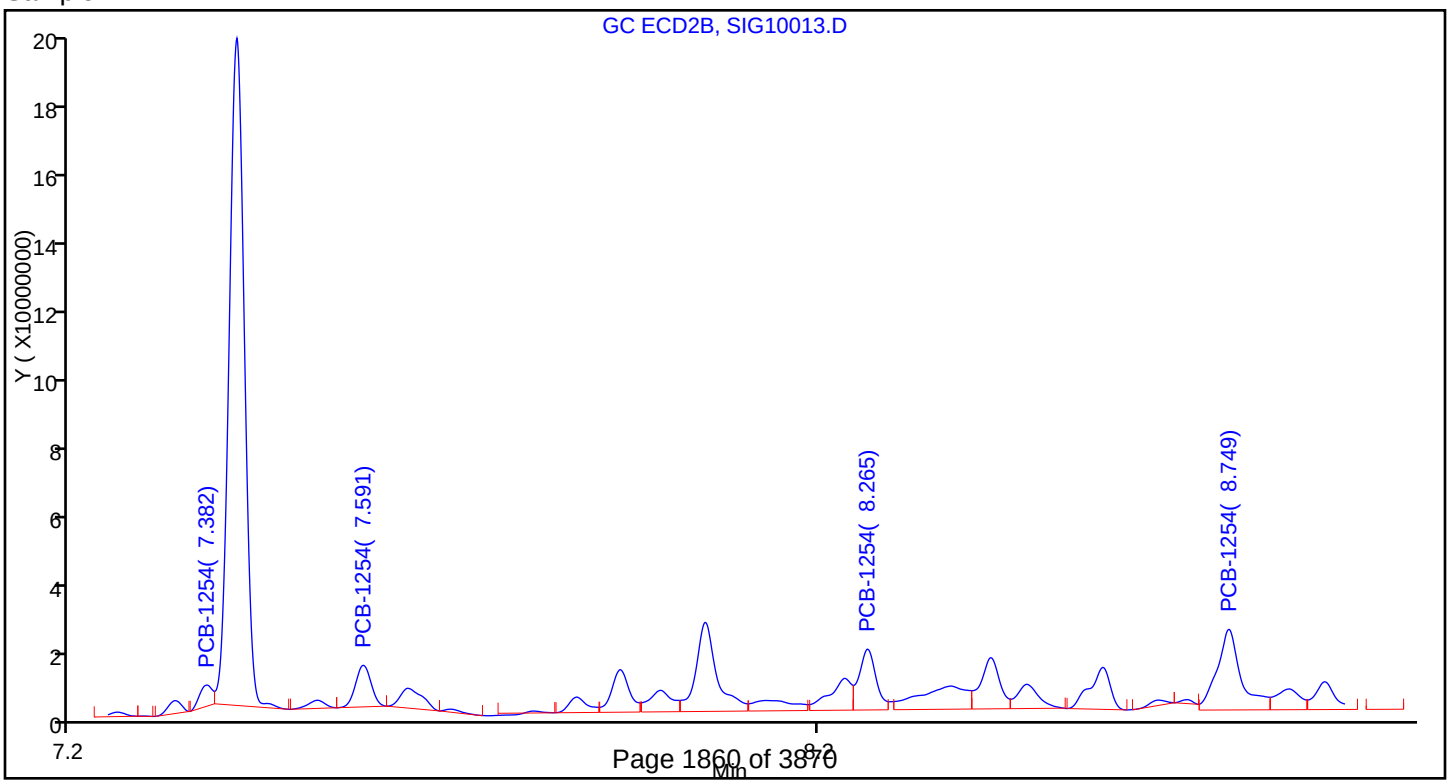
Injection Date:	29-Sep-2016 11:13:38	Instrument ID:	A2HP4		
Lims ID:	240-69767-B-52-A	Lab Sample ID:	240-69767-52		
Client ID:	DR-SB-257-120-123				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB4 is	Limit Group:	GC 8082A IS		
Column:		Detector	GC ecd2b		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



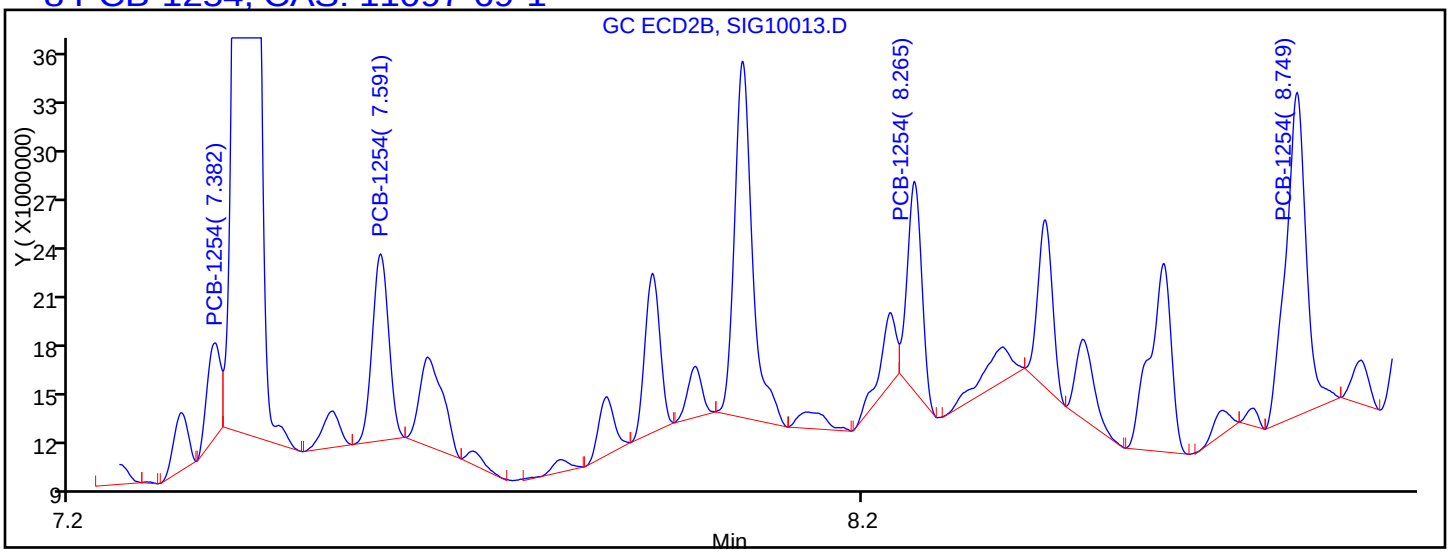
Report Date: 30-Sep-2016 07:49:41 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10013.D

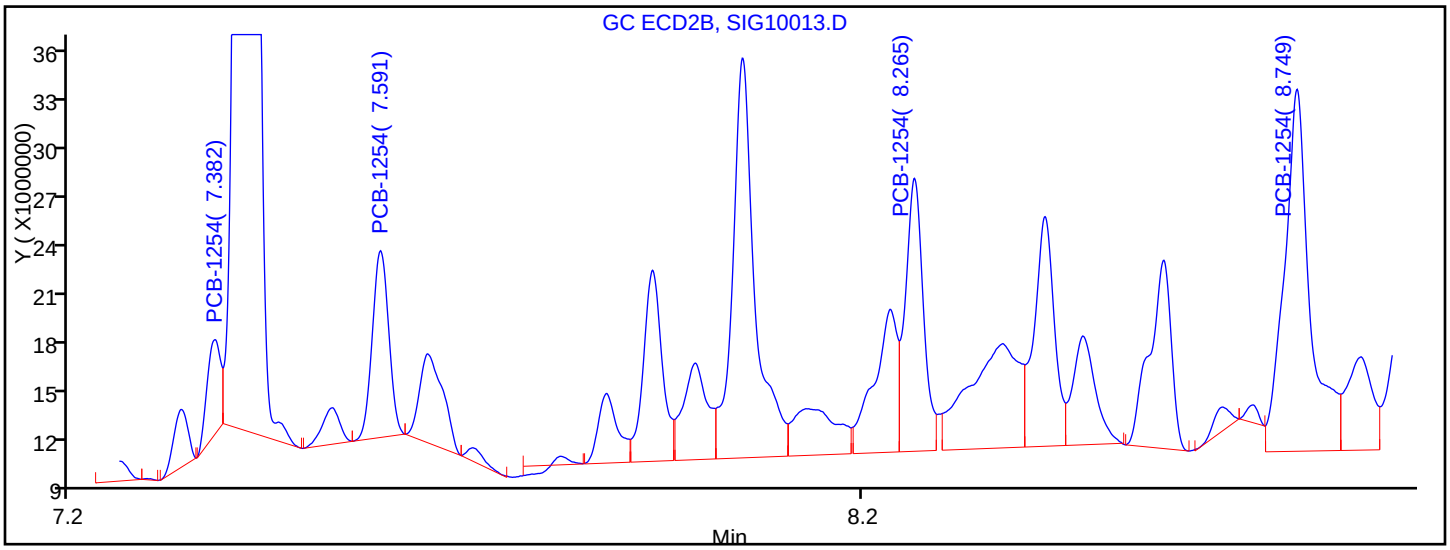
Injection Date:	29-Sep-2016 11:13:38	Instrument ID:	A2HP4		
Lims ID:	240-69767-B-52-A	Lab Sample ID:	240-69767-52		
Client ID:	DR-SB-257-120-123				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB4 is	Limit Group:	GC 8082A IS		
Column:		Detector	GC ecd2b		

8 PCB-1254, CAS: 11097-69-1



Processing Integration Results

7.382	Response = 6919148
7.591	Response = 16461616
8.048	Response = 34122539
8.265	Response = 16142517
8.749	Response = 35579109



Manual Integration Results

7.382	Response = 6919148	
7.591	Response = 16461616	
8.049	Response = 0	
8.265	Response = 26214024	M
8.749	Response = 49834997	M

Reviewer: grantk, 29-Sep-2016 14:54:26

Audit Action: Assigned New Baseline Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-257-144-145 | Lab Sample ID: 240-69767-53

Matrix: Solid | Lab File ID: SIG10014.D

Analysis Method: 8082A | Date Collected: 09/20/2016 08:56

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 10.42(g) | Date Analyzed: 09/29/2016 11:31

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 26.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	31	U	65	31
11104-28-2	Aroclor-1221	30	U	65	30
11141-16-5	Aroclor-1232	21	U	65	21
53469-21-9	Aroclor-1242	26	U	65	26
12672-29-6	Aroclor-1248	22	U	65	22
11097-69-1	Aroclor-1254	120	P	65	18
11096-82-5	Aroclor-1260	23	U	65	23
37324-23-5	Aroclor-1262	10	U	65	10
11100-14-4	Aroclor-1268	26	U	65	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	63		14-128
2051-24-3	DCB Decachlorobiphenyl	194	X	10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10014.D
Lims ID: 240-69767-B-53-A
Client ID: DR-SB-257-144-145
Sample Type: Client
Inject. Date: 29-Sep-2016 11:31:52 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058452-014
Operator ID: Instrument ID: A2HP4

Method: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\PCB4 is.m
Limit Group: GC 8082A IS
Last Update: 30-Sep-2016 07:48:27 Calib Date: 23-Sep-2016 00:25:00
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP4\20160922-58269.b\SIG10033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK026

First Level Reviewer: grantk Date: 29-Sep-2016 14:55:38

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						s
1	1.869	1.869	0.001	762042347	0.0500	
2	2.218	2.235	-0.017	359358413	0.0500	
$ 2 Tetrachloro-m-xylene						
1	2.903	2.898	0.005	62849869	0.003272	
2	3.755	3.756	-0.001	113707241	0.0126	
					RPD = 117.49	
3 PCB-1221						
1		3.234			ND	
1		3.484				
1		3.552				
2		4.339				
2		4.587				
2		4.689				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
6 PCB-1016						
1		3.545			ND	
1		4.146				
1		4.890				
1		5.090				
1		5.469				
2		4.684				
2		5.363				
2		6.073				
2		6.268				
2		6.890				
4 PCB-1232						
1		3.549			ND	
1		4.149				
1		4.892				
1		5.092				
1		5.469				
2		4.684				
2		5.364				
2		6.073				
2		6.269				
2		6.894				
5 PCB-1242						
1		3.553			ND	
1		4.153				
1		4.897				
1		5.096				
1		5.477				
2		4.688				
2		5.367				
2		6.077				
2		6.272				
2		6.615				
7 PCB-1248						
1		4.151			ND	
1		5.396				
1		6.351				
1		6.605				
1		7.074				
2		5.365				
2		6.073				
2		7.039				
2		7.384				
2		8.047				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	6.260	6.268	-0.008	11255449	0.001409	
1	6.608	6.612	-0.004	12081967	0.000815	
1	7.069	7.075	-0.006	19203523	0.0122	
1	7.374	7.380	-0.006	10617368	0.0118	
1	7.846	7.852	-0.006	18314158	0.0162	
		Average of Peak Amounts =			0.008477	
2	7.378	7.381	-0.003	13023260	0.0439	
2	7.587	7.592	-0.005	19325828	0.0679	
2	8.045	8.049	-0.004	37992786	0.1062	
2	8.260	8.267	-0.007	24878859	0.1059	
2	8.745	8.750	-0.005	41835487	0.1355	
		Average of Peak Amounts =			0.0919	
					RPD = 166.22	
10 PCB-1260						
1		7.275			ND	
1		7.569				
1		7.844				
1		8.473				
1		8.720				
2		8.229				
2		8.425				
2		8.742				
2		9.288				
2		9.590				
9 PCB-1262						
1		7.576			ND	
1		7.968				
1		8.196				
1		8.480				
1		8.762				
2		8.430				
2		8.829				
2		9.083				
2		9.293				
2		9.593				
11 PCB-1268						
1		8.764			ND	
1		8.798				
1		8.964				
1		9.259				
1		9.493				
2		9.592				
2		9.630				
2		9.837				
2		10.062				
2		10.323				
$ 12 DCB Decachlorobiphenyl						
1	9.643	9.639	0.004	109249778	0.008538	
2	10.526	10.525	0.001	154348442	0.0388	
					RPD = 127.87	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

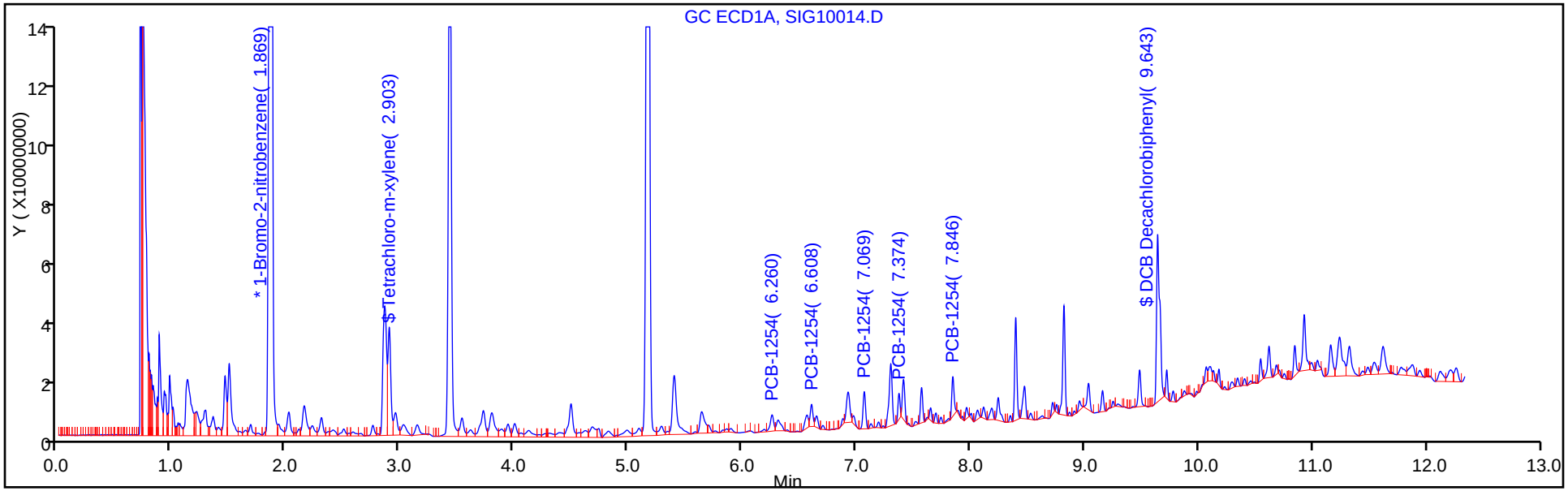
Report Date: 30-Sep-2016 07:49:35 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

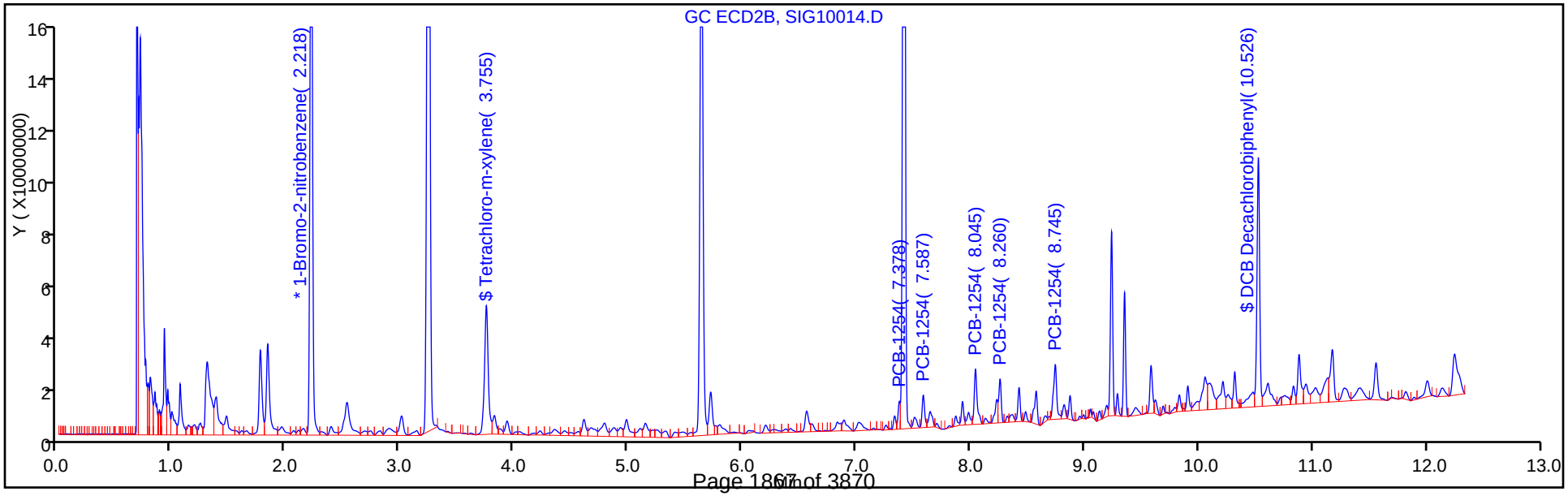
Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10014.D

Injection Date:	29-Sep-2016 11:31:52	Instrument ID:	A2HP4	Operator ID:	
Lims ID:	240-69767-B-53-A	Lab Sample ID:	240-69767-53	Worklist Smp#:	14
Client ID:	DR-SB-257-144-145				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	PCB4 is	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 30-Sep-2016 07:49:35 Chrom Revision: 2.2 08-Sep-2016 14:45:52

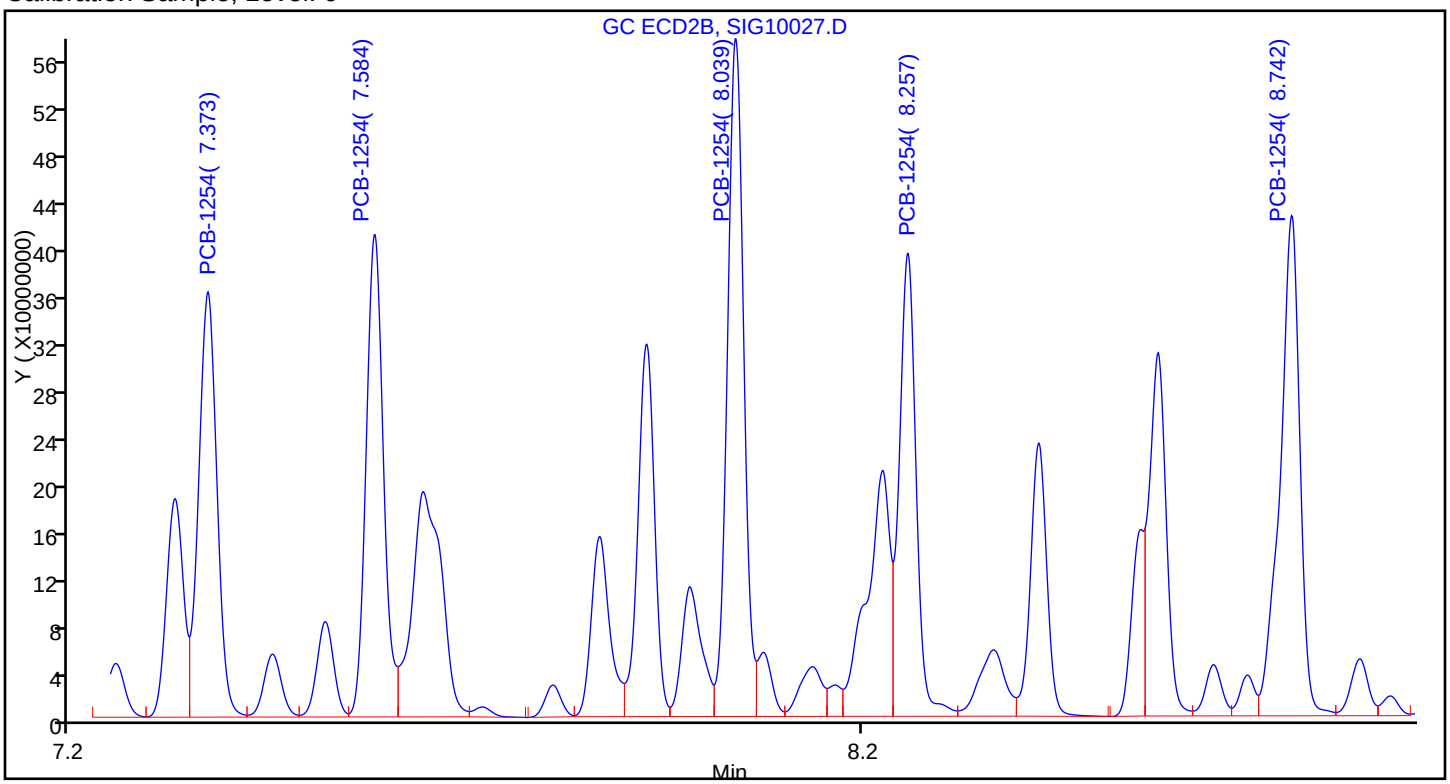
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10014.D

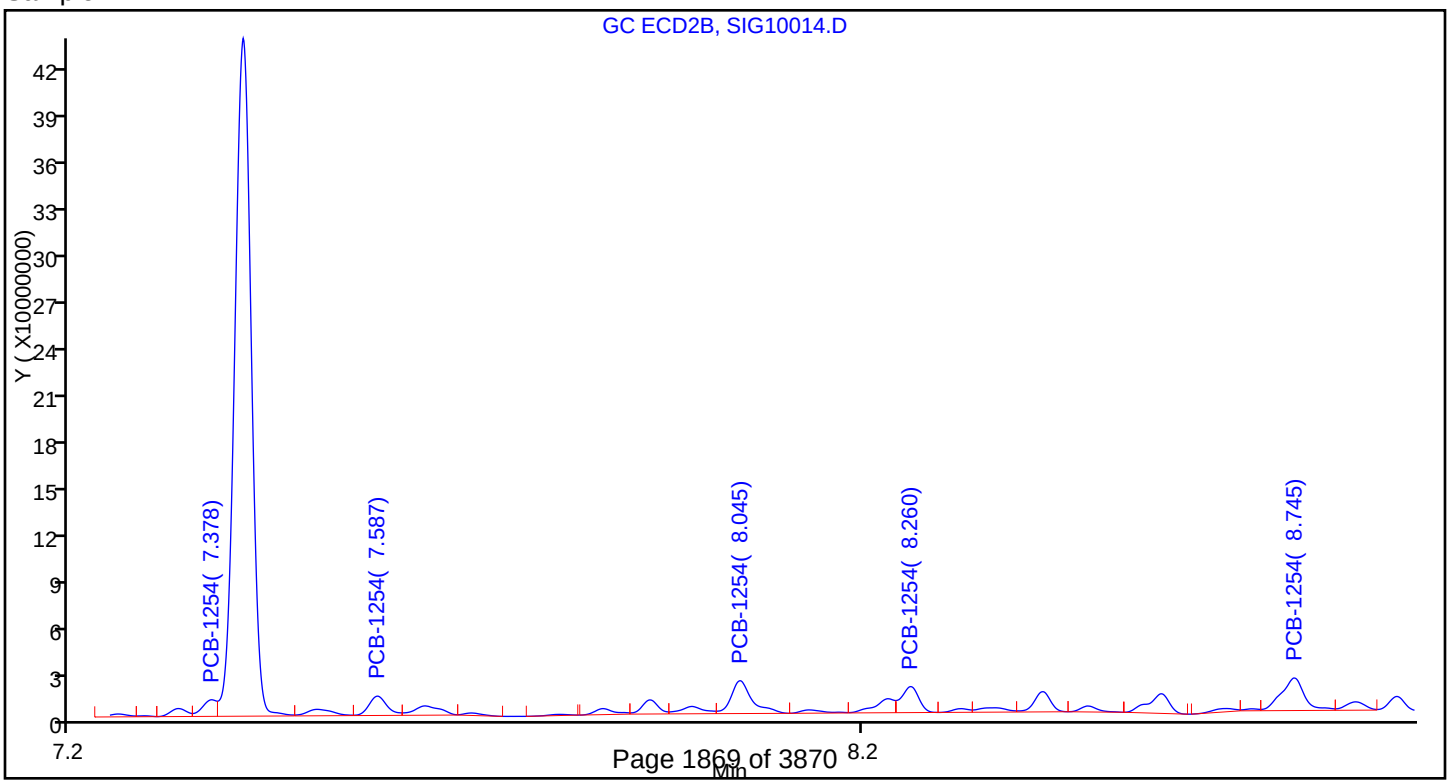
Injection Date:	29-Sep-2016 11:31:52	Instrument ID:	A2HP4		
Lims ID:	240-69767-B-53-A	Lab Sample ID:	240-69767-53		
Client ID:	DR-SB-257-144-145				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB4 is	Limit Group:	GC 8082A IS		
Column:		Detector	GC ecd2b		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-258-24-27 | Lab Sample ID: 240-69767-55

Matrix: Solid | Lab File ID: SIG10016.D

Analysis Method: 8082A | Date Collected: 09/20/2016 11:01

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.93(g) | Date Analyzed: 09/29/2016 12:07

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 13.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	28	U	58	28
11104-28-2	Aroclor-1221	27	U	58	27
11141-16-5	Aroclor-1232	19	U	58	19
53469-21-9	Aroclor-1242	23	U	58	23
12672-29-6	Aroclor-1248	20	U	58	20
11097-69-1	Aroclor-1254	19	J	58	16
11096-82-5	Aroclor-1260	21	U	58	21
37324-23-5	Aroclor-1262	9.3	U	58	9.3
11100-14-4	Aroclor-1268	23	U	58	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	49		14-128
2051-24-3	DCB Decachlorobiphenyl	82		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10016.D
Lims ID: 240-69767-B-55-A
Client ID: DR-SB-258-24-27
Sample Type: Client
Inject. Date: 29-Sep-2016 12:07:03 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058452-016
Operator ID: Instrument ID: A2HP4

Method: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\PCB4 is.m
Limit Group: GC 8082A IS
Last Update: 30-Sep-2016 07:48:27 Calib Date: 23-Sep-2016 00:25:00
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP4\20160922-58269.b\SIG10033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK026

First Level Reviewer: grantk Date: 29-Sep-2016 14:57:05

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	1.851	1.869	-0.018	353996045	0.0500	
2	2.219	2.235	-0.016	541775955	0.0500	
$ 2 Tetrachloro-m-xylene						
1	2.906	2.898	0.008	86631079	0.0100	
2	3.764	3.756	0.008	131861336	0.009772	
					RPD = 2.77	
3 PCB-1221						
1		3.234			ND	
1		3.484				
1		3.552				
2		4.339				
2		4.587				
2		4.689				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
6 PCB-1016						
1		3.545			ND	
1		4.146				
1		4.890				
1		5.090				
1		5.469				
2		4.684				
2		5.363				
2		6.073				
2		6.268				
2		6.890				
4 PCB-1232						
1		3.549			ND	
1		4.149				
1		4.892				
1		5.092				
1		5.469				
2		4.684				
2		5.364				
2		6.073				
2		6.269				
2		6.894				
5 PCB-1242						
1		3.553			ND	
1		4.153				
1		4.897				
1		5.096				
1		5.477				
2		4.688				
2		5.367				
2		6.077				
2		6.272				
2		6.615				
7 PCB-1248						
1		4.151			ND	
1		5.396				
1		6.351				
1		6.605				
1		7.074				
2		5.365				
2		6.073				
2		7.039				
2		7.384				
2		8.047				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	6.266	6.268	-0.002	8250957	0.0148	
1	6.613	6.612	0.001	5906200	0.001746	
1	7.074	7.075	-0.001	12202672	0.0198	
1	7.379	7.380	-0.001	7940155	0.0205	
1	7.851	7.852	-0.001	14836120	0.0302	
		Average of Peak Amounts =			0.0174	
2	7.381	7.381	0.000	5021248	0.003357	
2	7.592	7.592	0.000	5770087	0.007402	
2	8.049	8.049	0.000	19621560	0.0324	
2	8.265	8.267	-0.002	3824255	0.0127	
2	8.750	8.750	0.000	13398498	0.0268	
		Average of Peak Amounts =			0.0165	
					RPD = 5.24	√
10 PCB-1260						
1		7.275			ND	
1		7.569				
1		7.844				
1		8.473				
1		8.720				
2		8.229				
2		8.425				
2		8.742				
2		9.288				
2		9.590				
9 PCB-1262						
1		7.576			ND	
1		7.968				
1		8.196				
1		8.480				
1		8.762				
2		8.430				
2		8.829				
2		9.083				
2		9.293				
2		9.593				
11 PCB-1268						
1		8.764			ND	
1		8.798				
1		8.964				
1		9.259				
1		9.493				
2		9.592				
2		9.630				
2		9.837				
2		10.062				
2		10.323				
$ 12 DCB Decachlorobiphenyl						
1	9.644	9.639	0.005	65550705	0.0112	
2	10.528	10.525	0.003	99927218	0.0163	
					RPD = 37.56	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

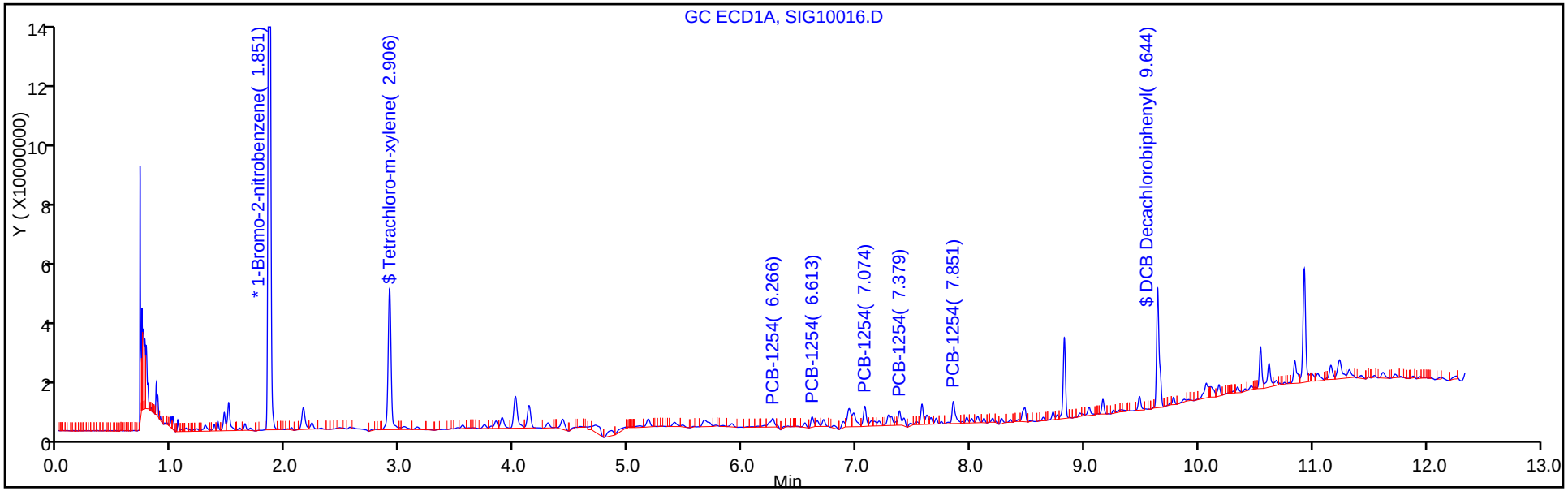
Report Date: 30-Sep-2016 07:49:27 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

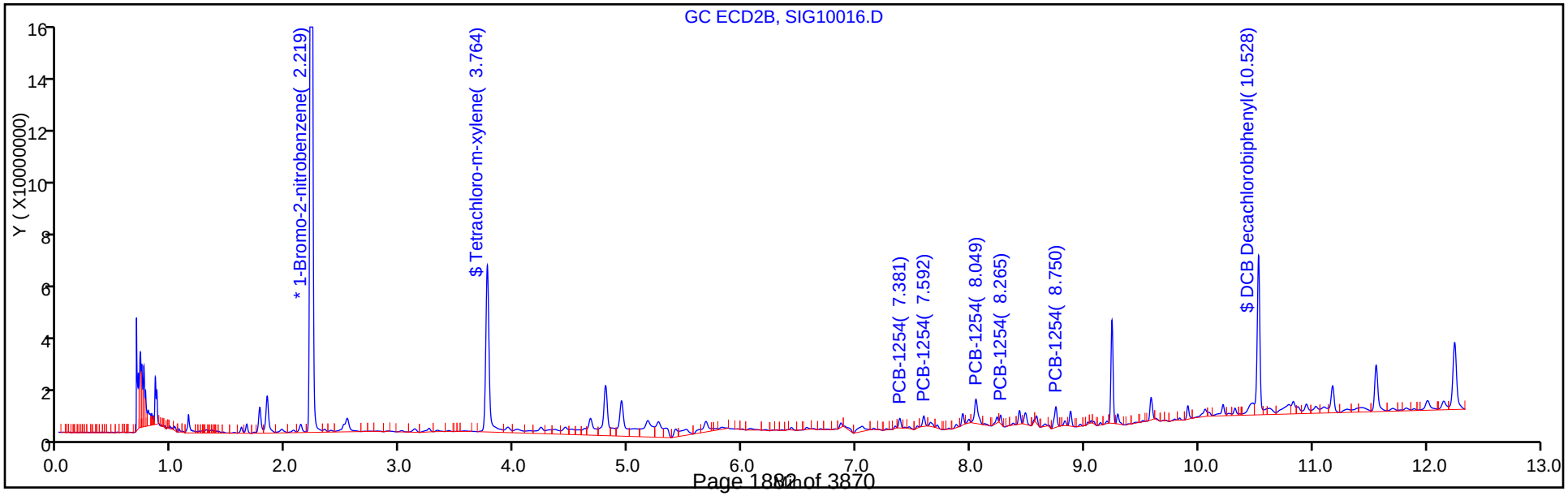
Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10016.D

Injection Date:	29-Sep-2016 12:07:03	Instrument ID:	A2HP4	Operator ID:	
Lims ID:	240-69767-B-55-A	Lab Sample ID:	240-69767-55	Worklist Smp#:	16
Client ID:	DR-SB-258-24-27				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	PCB4 is	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 30-Sep-2016 07:49:27 Chrom Revision: 2.2 08-Sep-2016 14:45:52

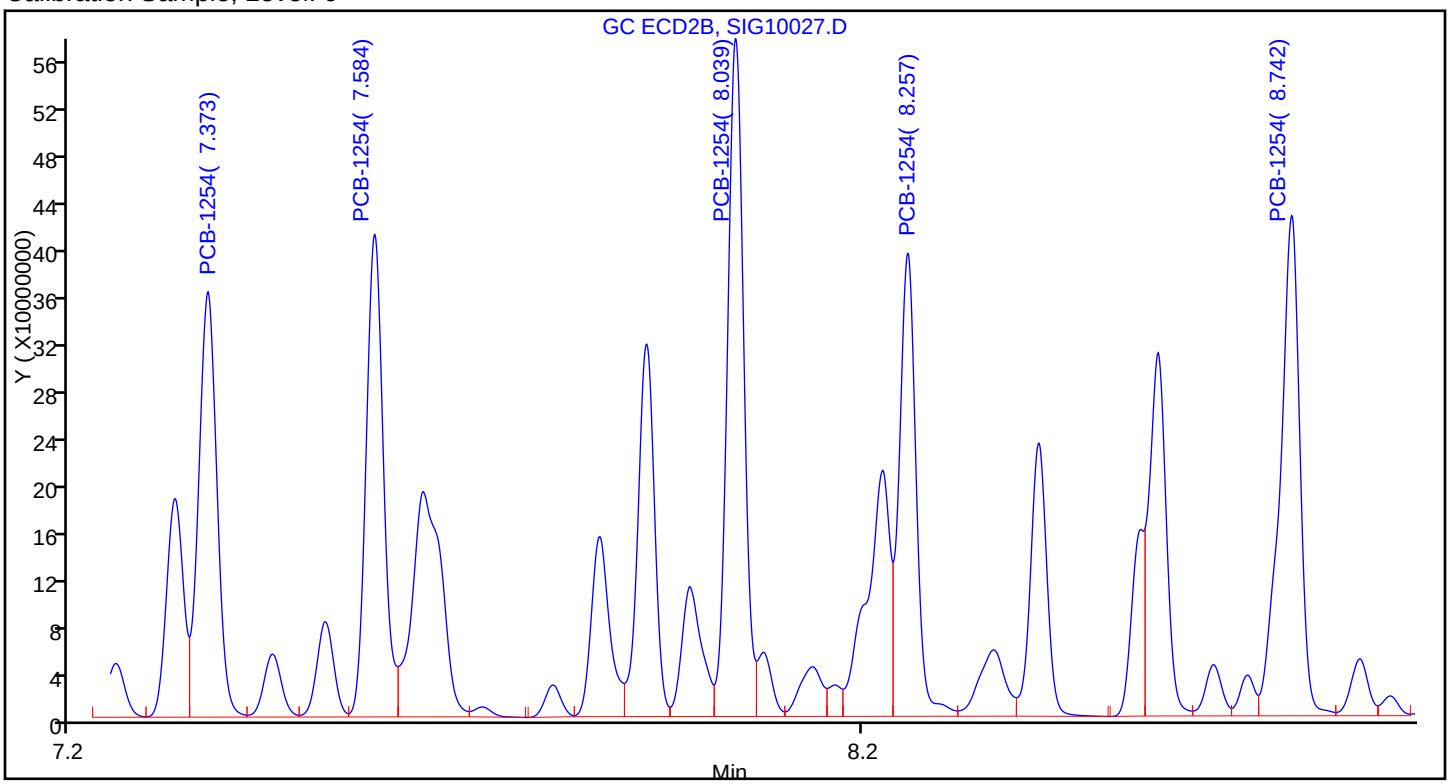
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10016.D

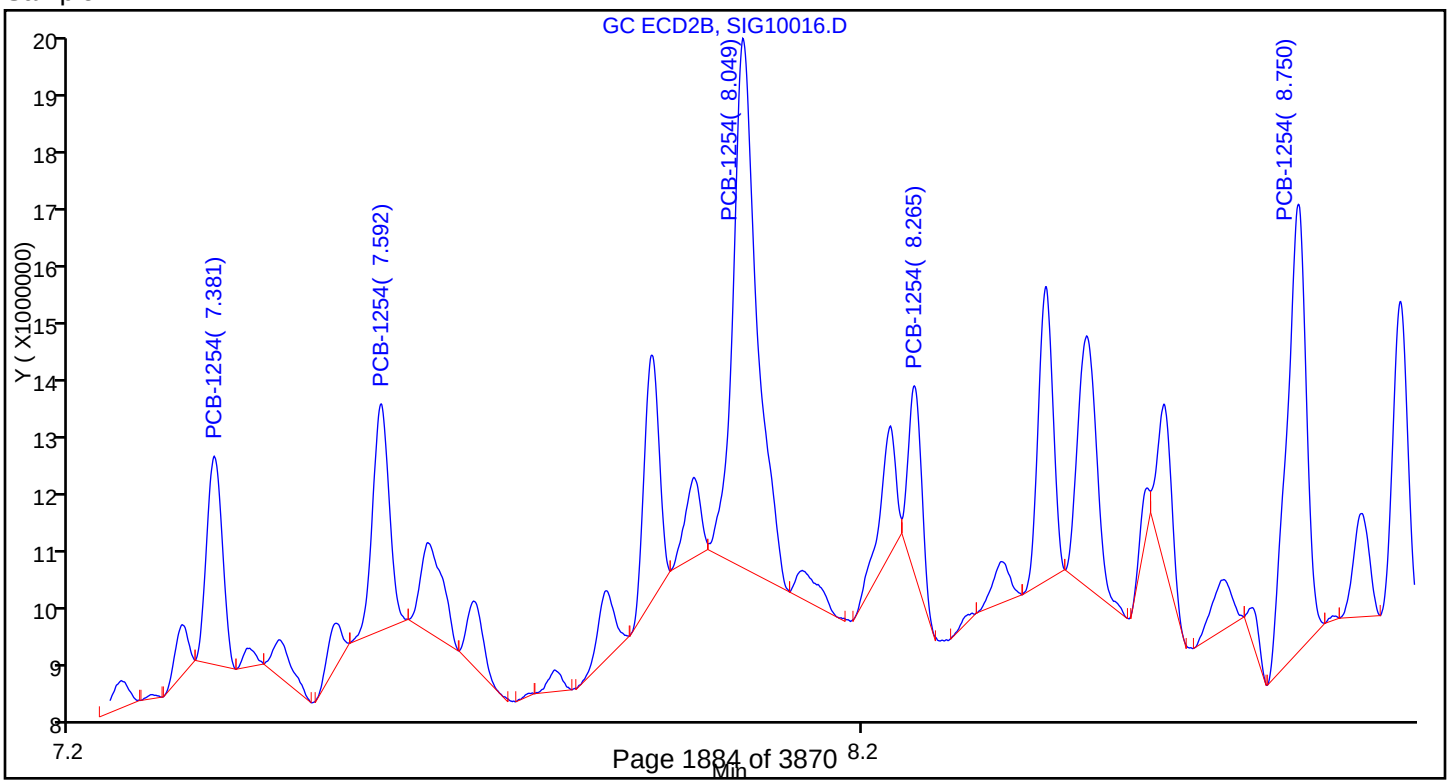
Injection Date:	29-Sep-2016 12:07:03	Instrument ID:	A2HP4		
Lims ID:	240-69767-B-55-A	Lab Sample ID:	240-69767-55		
Client ID:	DR-SB-258-24-27				
Operator ID:		ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB4 is	Limit Group:	GC 8082A IS		
Column:		Detector	GC ecd2b		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-258-48-51 | Lab Sample ID: 240-69767-56

Matrix: Solid | Lab File ID: SIG10017.D

Analysis Method: 8082A | Date Collected: 09/20/2016 11:02

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.89(g) | Date Analyzed: 09/29/2016 12:24

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 16.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	29	U	60	29
11104-28-2	Aroclor-1221	28	U	60	28
11141-16-5	Aroclor-1232	19	U	60	19
53469-21-9	Aroclor-1242	24	U	60	24
12672-29-6	Aroclor-1248	20	U	60	20
11097-69-1	Aroclor-1254	26	J	60	17
11096-82-5	Aroclor-1260	22	U	60	22
37324-23-5	Aroclor-1262	9.6	U	60	9.6
11100-14-4	Aroclor-1268	24	U	60	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	46		14-128
2051-24-3	DCB Decachlorobiphenyl	57		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10017.D
Lims ID: 240-69767-B-56-A
Client ID: DR-SB-258-48-51
Sample Type: Client
Inject. Date: 29-Sep-2016 12:24:43 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058452-017
Operator ID: Instrument ID: A2HP4

Method: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\PCB4 is.m
Limit Group: GC 8082A IS
Last Update: 30-Sep-2016 07:48:27 Calib Date: 23-Sep-2016 00:25:00
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP4\20160922-58269.b\SIG10033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK026

First Level Reviewer: grantk Date: 29-Sep-2016 14:57:33

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	1.850	1.869	-0.018	398407087	0.0500	
2	2.218	2.235	-0.018	619195127	0.0500	
$ 2 Tetrachloro-m-xylene						
1	2.901	2.898	0.003	92174809	0.009489	
2	3.756	3.756	0.000	142104108	0.009236	
					RPD = 2.70	
3 PCB-1221						
1		3.234			ND	
1		3.484				
1		3.552				
2		4.339				
2		4.587				
2		4.689				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
6 PCB-1016						
1		3.545			ND	
1		4.146				
1		4.890				
1		5.090				
1		5.469				
2		4.684				
2		5.363				
2		6.073				
2		6.268				
2		6.890				
4 PCB-1232						
1		3.549			ND	
1		4.149				
1		4.892				
1		5.092				
1		5.469				
2		4.684				
2		5.364				
2		6.073				
2		6.269				
2		6.894				
5 PCB-1242						
1		3.553			ND	
1		4.153				
1		4.897				
1		5.096				
1		5.477				
2		4.688				
2		5.367				
2		6.077				
2		6.272				
2		6.615				
7 PCB-1248						
1		4.151			ND	
1		5.396				
1		6.351				
1		6.605				
1		7.074				
2		5.365				
2		6.073				
2		7.039				
2		7.384				
2		8.047				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	6.262	6.268	-0.006	8197474	0.0105	
1	6.609	6.612	-0.003	9536454	0.009879	
1	7.071	7.075	-0.004	14437158	0.0213	
1	7.375	7.380	-0.005	12063606	0.0286	
1	7.849	7.852	-0.003	20699861	0.0381	
		Average of Peak Amounts =			0.0217	
2	7.377	7.381	-0.004	8077064	0.009036	
2	7.588	7.592	-0.004	11467155	0.0184	
2	8.048	8.049	-0.001	23836790	0.0348	
2	8.264	8.267	-0.003	9919939	0.0261	
2	8.749	8.750	-0.001	12191676	0.0208	
		Average of Peak Amounts =			0.0219	
					RPD = 0.84	✓
10 PCB-1260						
1		7.275			ND	
1		7.569				
1		7.844				
1		8.473				
1		8.720				
2		8.229				
2		8.425				
2		8.742				
2		9.288				
2		9.590				
9 PCB-1262						
1		7.576			ND	
1		7.968				
1		8.196				
1		8.480				
1		8.762				
2		8.430				
2		8.829				
2		9.083				
2		9.293				
2		9.593				
11 PCB-1268						
1		8.764			ND	
1		8.798				
1		8.964				
1		9.259				
1		9.493				
2		9.592				
2		9.630				
2		9.837				
2		10.062				
2		10.323				
$ 12 DCB Decachlorobiphenyl						
1	9.644	9.639	0.005	60049326	0.009000	
2	10.531	10.525	0.006	80859754	0.0114	
					RPD = 23.42	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

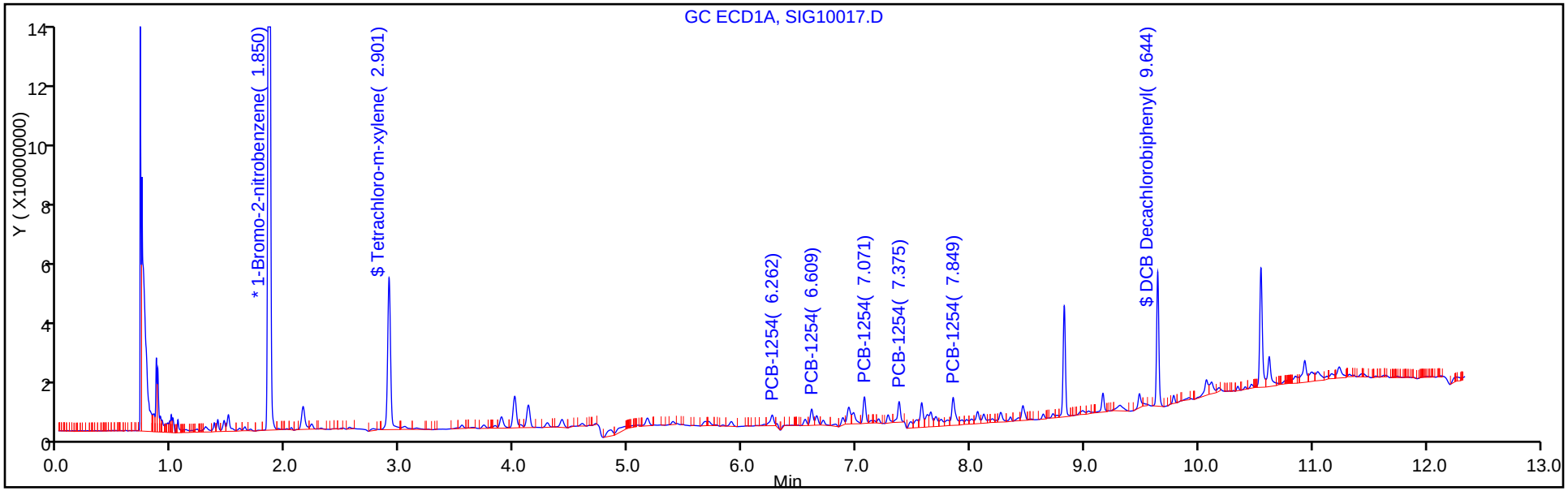
Report Date: 30-Sep-2016 07:49:24 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

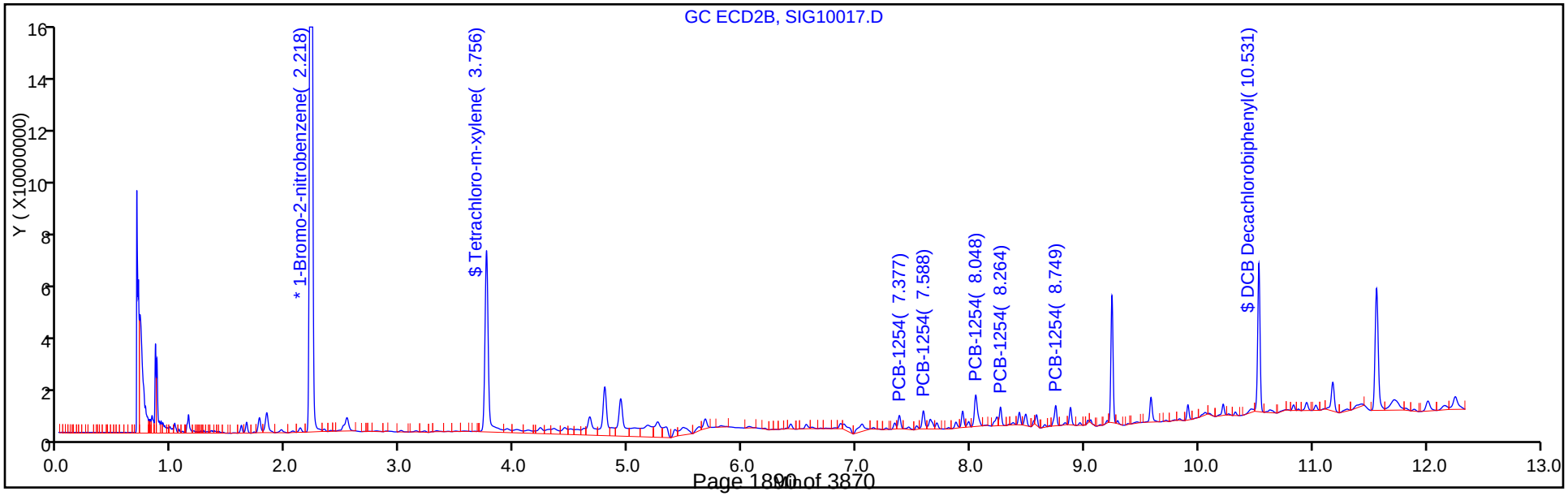
Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10017.D

Injection Date:	29-Sep-2016 12:24:43	Instrument ID:	A2HP4	Operator ID:	
Lims ID:	240-69767-B-56-A	Lab Sample ID:	240-69767-56	Worklist Smp#:	17
Client ID:	DR-SB-258-48-51				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	PCB4 is	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 30-Sep-2016 07:49:24 Chrom Revision: 2.2 08-Sep-2016 14:45:52

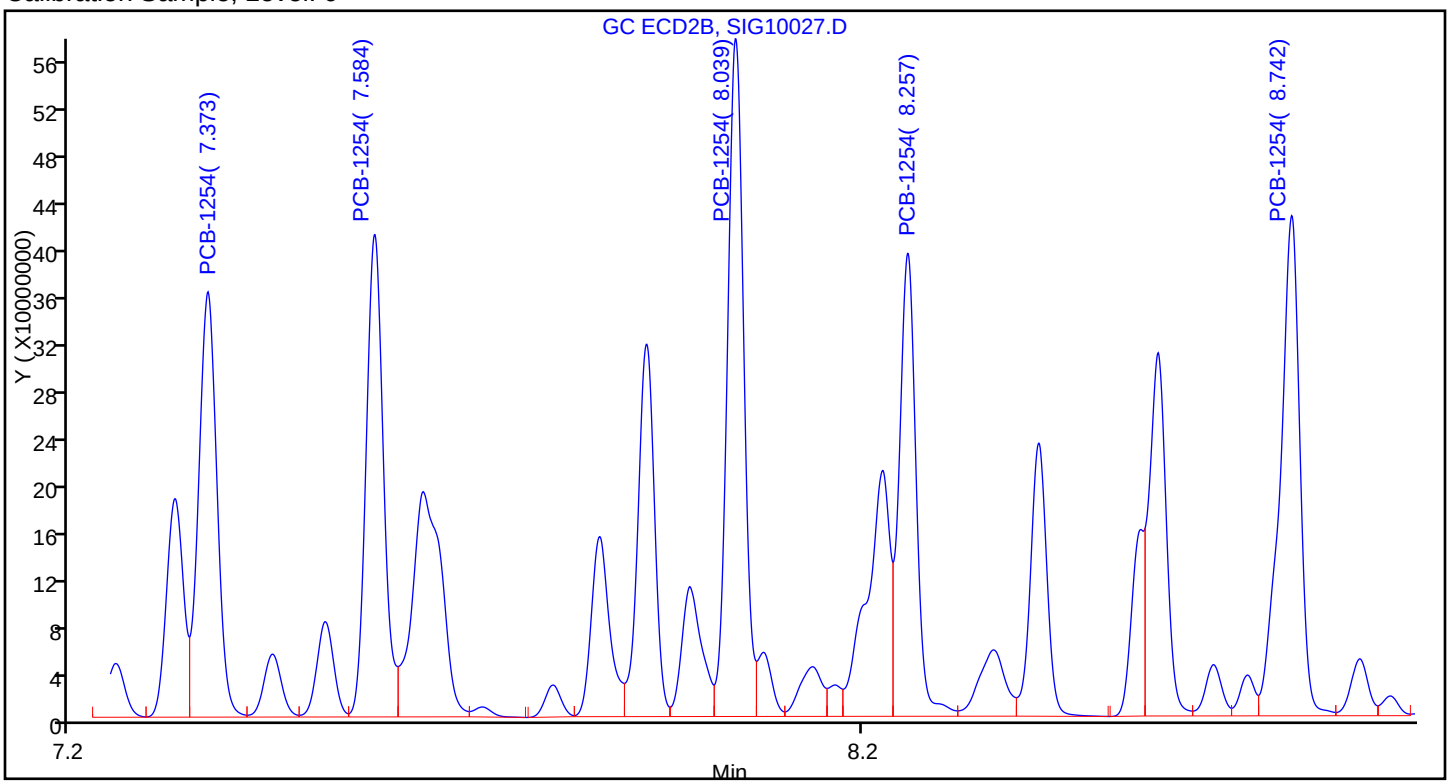
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10017.D

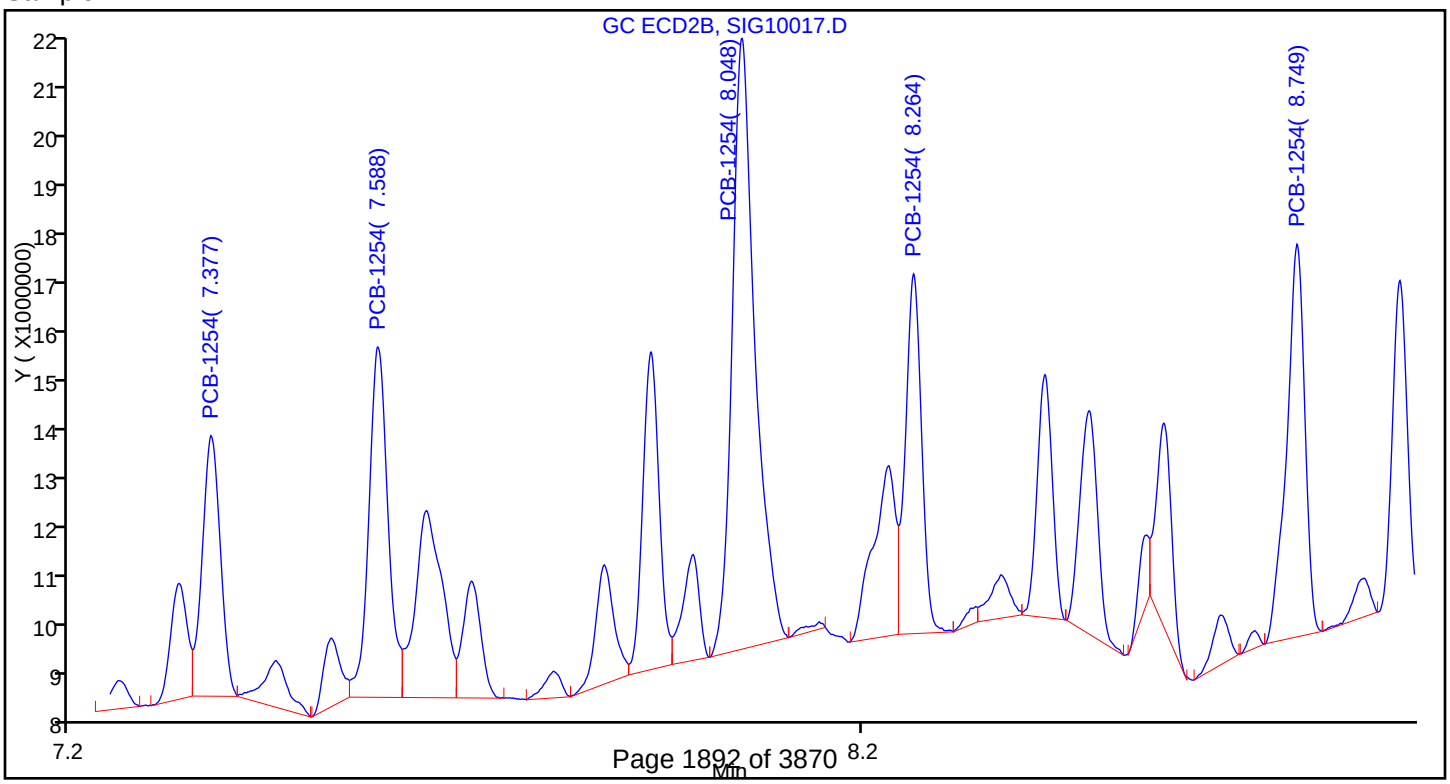
Injection Date:	29-Sep-2016 12:24:43	Instrument ID:	A2HP4		
Lims ID:	240-69767-B-56-A	Lab Sample ID:	240-69767-56		
Client ID:	DR-SB-258-48-51				
Operator ID:		ALS Bottle#:	17	Worklist Smp#:	17
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB4 is	Limit Group:	GC 8082A IS		
Column:		Detector	GC ecd2b		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-258-72-75 | Lab Sample ID: 240-69767-57

Matrix: Solid | Lab File ID: SIG10018.D

Analysis Method: 8082A | Date Collected: 09/20/2016 11:03

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.93(g) | Date Analyzed: 09/29/2016 12:42

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 18.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	29	U	61	29
11104-28-2	Aroclor-1221	28	U	61	28
11141-16-5	Aroclor-1232	20	U	61	20
53469-21-9	Aroclor-1242	25	U	61	25
12672-29-6	Aroclor-1248	21	U	61	21
11097-69-1	Aroclor-1254	23	J	61	17
11096-82-5	Aroclor-1260	22	U	61	22
37324-23-5	Aroclor-1262	9.8	U	61	9.8
11100-14-4	Aroclor-1268	25	U	61	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	46		14-128
2051-24-3	DCB Decachlorobiphenyl	61		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10018.D
Lims ID: 240-69767-B-57-A
Client ID: DR-SB-258-72-75
Sample Type: Client
Inject. Date: 29-Sep-2016 12:42:57 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058452-018
Operator ID: Instrument ID: A2HP4

Method: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\PCB4 is.m
Limit Group: GC 8082A IS
Last Update: 30-Sep-2016 07:48:27 Calib Date: 23-Sep-2016 00:25:00
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP4\20160922-58269.b\SIG10033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK026

First Level Reviewer: grantk Date: 29-Sep-2016 14:58:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	1.854	1.869	-0.014	393607668	0.0500	
2	2.222	2.235	-0.013	613719410	0.0500	
$ 2 Tetrachloro-m-xylene						
1	2.908	2.898	0.010	86781552	0.009035	
2	3.761	3.756	0.005	141072736	0.009250	
					RPD = 2.36	
3 PCB-1221						
1		3.234			ND	
1		3.484				
1		3.552				
2		4.339				
2		4.587				
2		4.689				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
6 PCB-1016						
1		3.545			ND	
1		4.146				
1		4.890				
1		5.090				
1		5.469				
2		4.684				
2		5.363				
2		6.073				
2		6.268				
2		6.890				
4 PCB-1232						
1		3.549			ND	
1		4.149				
1		4.892				
1		5.092				
1		5.469				
2		4.684				
2		5.364				
2		6.073				
2		6.269				
2		6.894				
5 PCB-1242						
1		3.553			ND	
1		4.153				
1		4.897				
1		5.096				
1		5.477				
2		4.688				
2		5.367				
2		6.077				
2		6.272				
2		6.615				
7 PCB-1248						
1		4.151			ND	
1		5.396				
1		6.351				
1		6.605				
1		7.074				
2		5.365				
2		6.073				
2		7.039				
2		7.384				
2		8.047				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	0.000	6.268	0.000	0	0	
1	0.000	6.612	0.000	0	0	
1	7.079	7.075	0.004	8942283	0.0101	
1	7.383	7.380	0.003	13616536	0.0330	
1	7.855	7.852	0.003	10349990	0.0179	
		Average of Peak Amounts =			0.0204	
2	0.000	7.381	0.000	0	0	
2	0.000	7.592	0.000	0	0	
2	8.053	8.049	0.004	17374256	0.0240	
2	8.268	8.267	0.001	4612501	0.0134	
2	8.750	8.750	0.000	10724216	0.0182	
		Average of Peak Amounts =			0.0185	
					RPD = 9.40 ✓	
10 PCB-1260						
1		7.275			ND	
1		7.569				
1		7.844				
1		8.473				
1		8.720				
2		8.229				
2		8.425				
2		8.742				
2		9.288				
2		9.590				
9 PCB-1262						
1		7.576			ND	
1		7.968				
1		8.196				
1		8.480				
1		8.762				
2		8.430				
2		8.829				
2		9.083				
2		9.293				
2		9.593				
11 PCB-1268						
1		8.764			ND	
1		8.798				
1		8.964				
1		9.259				
1		9.493				
2		9.592				
2		9.630				
2		9.837				
2		10.062				
2		10.323				
$ 12 DCB Decachlorobiphenyl						
1	9.647	9.639	0.008	58692508	0.008899	
2	10.532	10.525	0.007	85390748	0.0122	
					RPD = 31.06	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

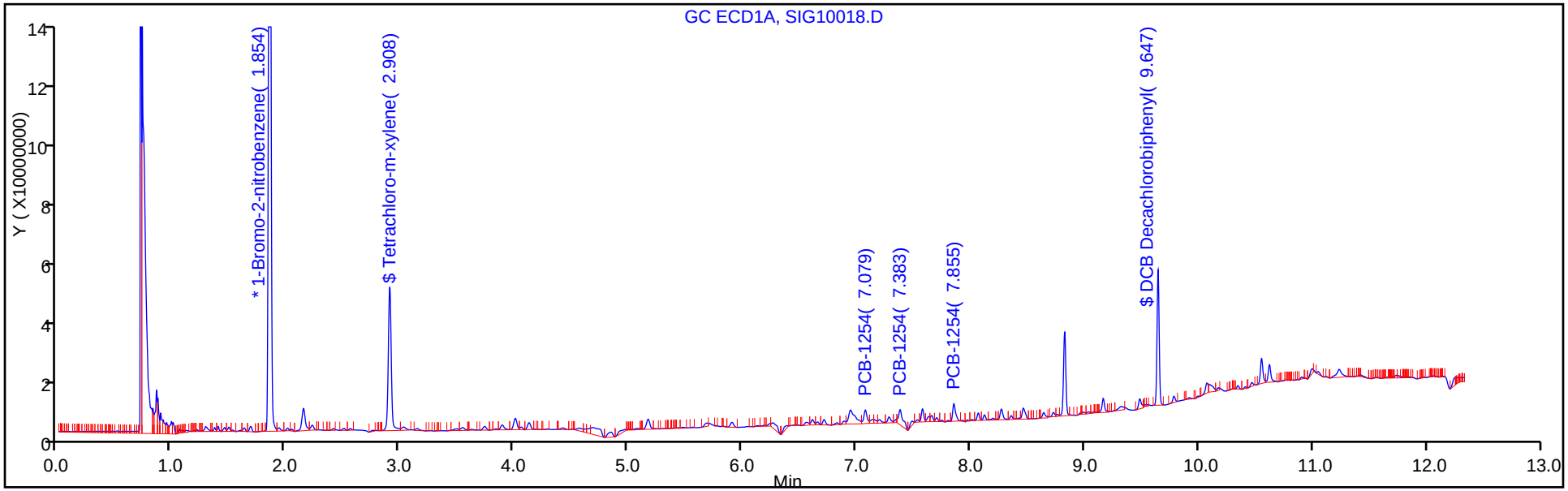
Report Date: 30-Sep-2016 07:49:21 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

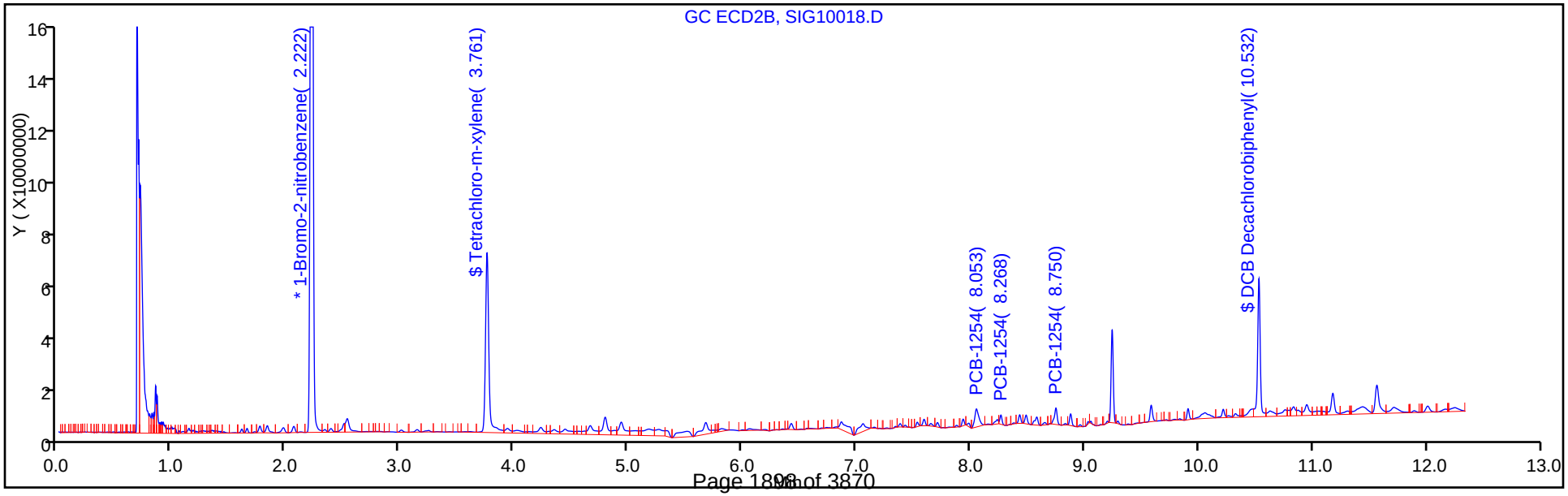
Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10018.D

Injection Date:	29-Sep-2016 12:42:57	Instrument ID:	A2HP4	Operator ID:	
Lims ID:	240-69767-B-57-A	Lab Sample ID:	240-69767-57	Worklist Smp#:	18
Client ID:	DR-SB-258-72-75				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	PCB4 is	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 30-Sep-2016 07:49:21 Chrom Revision: 2.2 08-Sep-2016 14:45:52

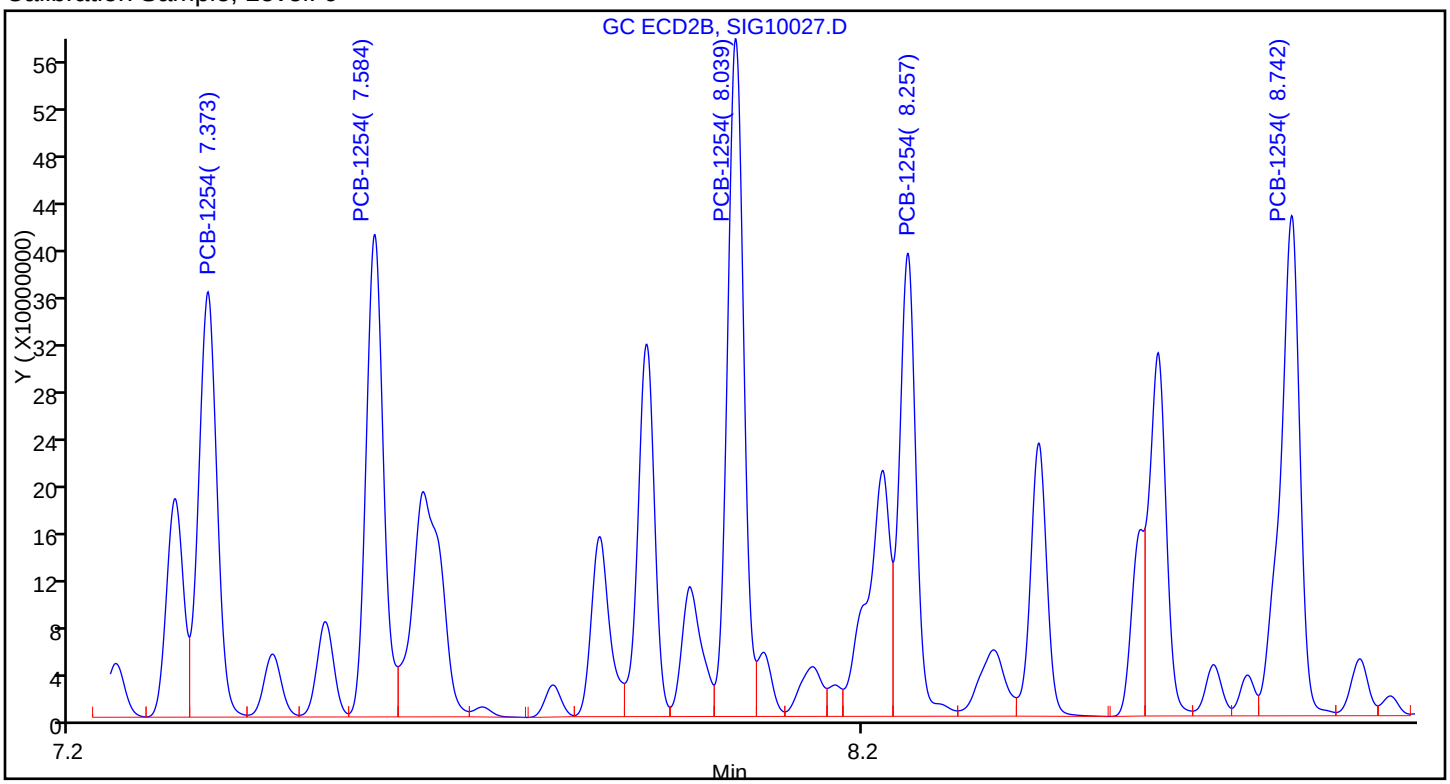
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10018.D

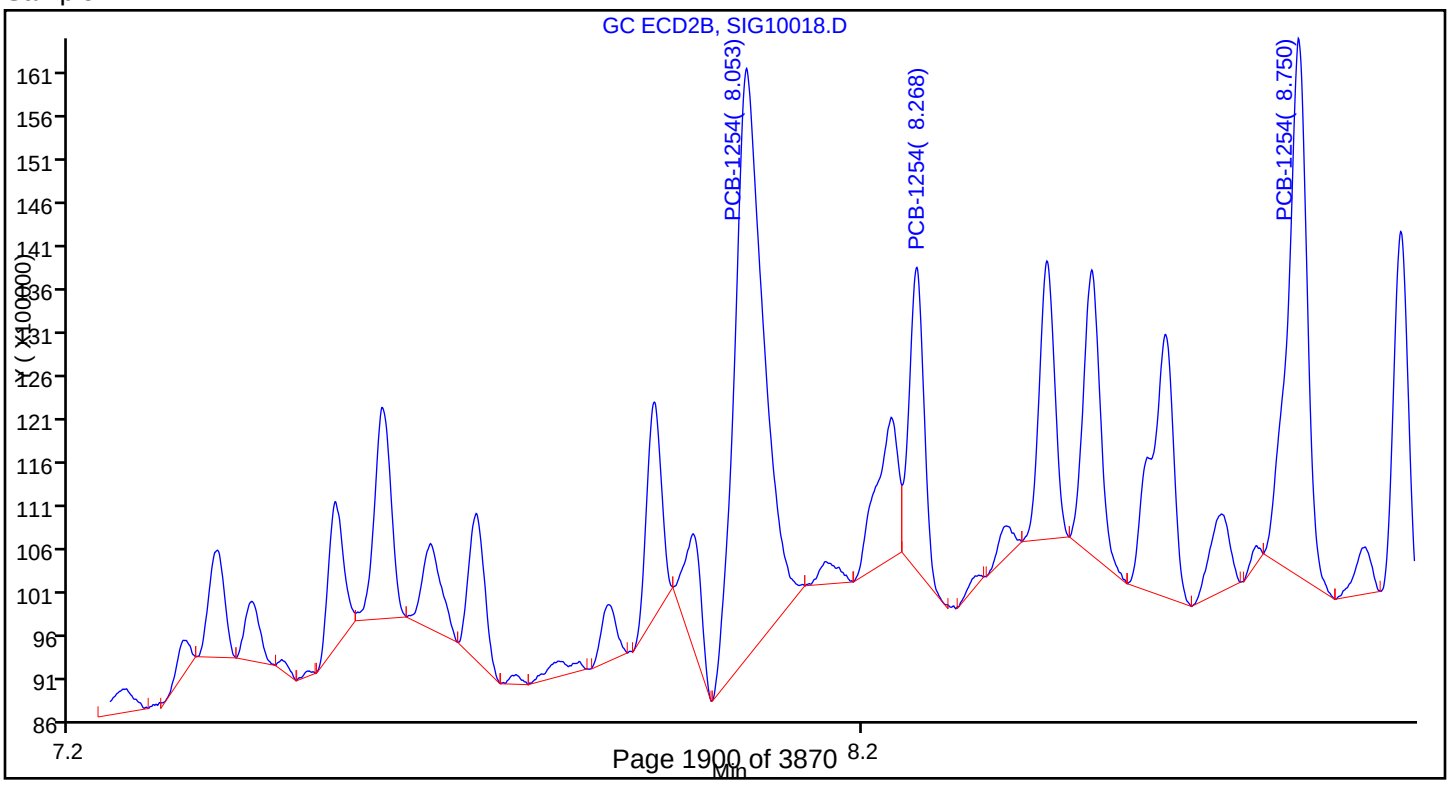
Injection Date:	29-Sep-2016 12:42:57	Instrument ID:	A2HP4		
Lims ID:	240-69767-B-57-A	Lab Sample ID:	240-69767-57		
Client ID:	DR-SB-258-72-75				
Operator ID:		ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB4 is	Limit Group:	GC 8082A IS		
Column:		Detector	GC ecd2b		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-258-96-99 | Lab Sample ID: 240-69767-58

Matrix: Solid | Lab File ID: SIG10019.D

Analysis Method: 8082A | Date Collected: 09/20/2016 11:04

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.76(g) | Date Analyzed: 09/29/2016 13:01

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 21.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	31	U	66	31
11104-28-2	Aroclor-1221	30	U	66	30
11141-16-5	Aroclor-1232	21	U	66	21
53469-21-9	Aroclor-1242	26	U	66	26
12672-29-6	Aroclor-1248	22	U	66	22
11097-69-1	Aroclor-1254	96		66	18
11096-82-5	Aroclor-1260	24	U	66	24
37324-23-5	Aroclor-1262	10	U	66	10
11100-14-4	Aroclor-1268	26	U	66	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	60		14-128
2051-24-3	DCB Decachlorobiphenyl	92		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10019.D
Lims ID: 240-69767-B-58-A
Client ID: DR-SB-258-96-99
Sample Type: Client
Inject. Date: 29-Sep-2016 13:01:05 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058452-019
Operator ID: Instrument ID: A2HP4

Method: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\PCB4 is.m
Limit Group: GC 8082A IS
Last Update: 30-Sep-2016 07:48:27 Calib Date: 23-Sep-2016 00:25:00
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP4\20160922-58269.b\SIG10033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK026

First Level Reviewer: grantk Date: 29-Sep-2016 14:58:49

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	1.857	1.869	-0.012	399108772	0.0500	
2	2.223	2.235	-0.013	475137416	0.0500	
$ 2 Tetrachloro-m-xylene						
1	2.910	2.898	0.012	71807465	0.007341	
2	3.764	3.756	0.008	143301262	0.0120	
					RPD = 48.33	
3 PCB-1221						
1		3.234			ND	
1		3.484				
1		3.552				
2		4.339				
2		4.587				
2		4.689				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
6 PCB-1016						
1		3.545			ND	
1		4.146				
1		4.890				
1		5.090				
1		5.469				
2		4.684				
2		5.363				
2		6.073				
2		6.268				
2		6.890				
4 PCB-1232						
1		3.549			ND	
1		4.149				
1		4.892				
1		5.092				
1		5.469				
2		4.684				
2		5.364				
2		6.073				
2		6.269				
2		6.894				
5 PCB-1242						
1		3.553			ND	
1		4.153				
1		4.897				
1		5.096				
1		5.477				
2		4.688				
2		5.367				
2		6.077				
2		6.272				
2		6.615				
7 PCB-1248						
1		4.151			ND	
1		5.396				
1		6.351				
1		6.605				
1		7.074				
2		5.365				
2		6.073				
2		7.039				
2		7.384				
2		8.047				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	6.268	6.268	0.000	13937645	0.0330	
1	6.613	6.612	0.001	26569078	0.0577	
1	7.076	7.075	0.001	27452345	0.0481	
1	7.380	7.380	0.000	24249065	0.0598	
1	7.853	7.852	0.001	35844024	0.0679	
		Average of Peak Amounts =			0.0533	
2	7.384	7.381	0.003	14192740	0.0343	
2	7.593	7.592	0.001	24458867	0.0647	
2	8.050	8.049	0.001	42671531	0.0893	
2	8.267	8.267	0.000	26070217	0.0844	
2	8.752	8.750	0.002	39167930	0.0952	
		Average of Peak Amounts =			0.0736	
					RPD = 31.98	✓
10 PCB-1260						
1		7.275			ND	
1		7.569				
1		7.844				
1		8.473				
1		8.720				
2		8.229				
2		8.425				
2		8.742				
2		9.288				
2		9.590				
9 PCB-1262						
1		7.576			ND	
1		7.968				
1		8.196				
1		8.480				
1		8.762				
2		8.430				
2		8.829				
2		9.083				
2		9.293				
2		9.593				
11 PCB-1268						
1		8.764			ND	
1		8.798				
1		8.964				
1		9.259				
1		9.493				
2		9.592				
2		9.630				
2		9.837				
2		10.062				
2		10.323				
$ 12 DCB Decachlorobiphenyl						
1	9.644	9.639	0.005	61943196	0.009282	
2	10.532	10.525	0.007	98080353	0.0183	
					RPD = 65.61	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

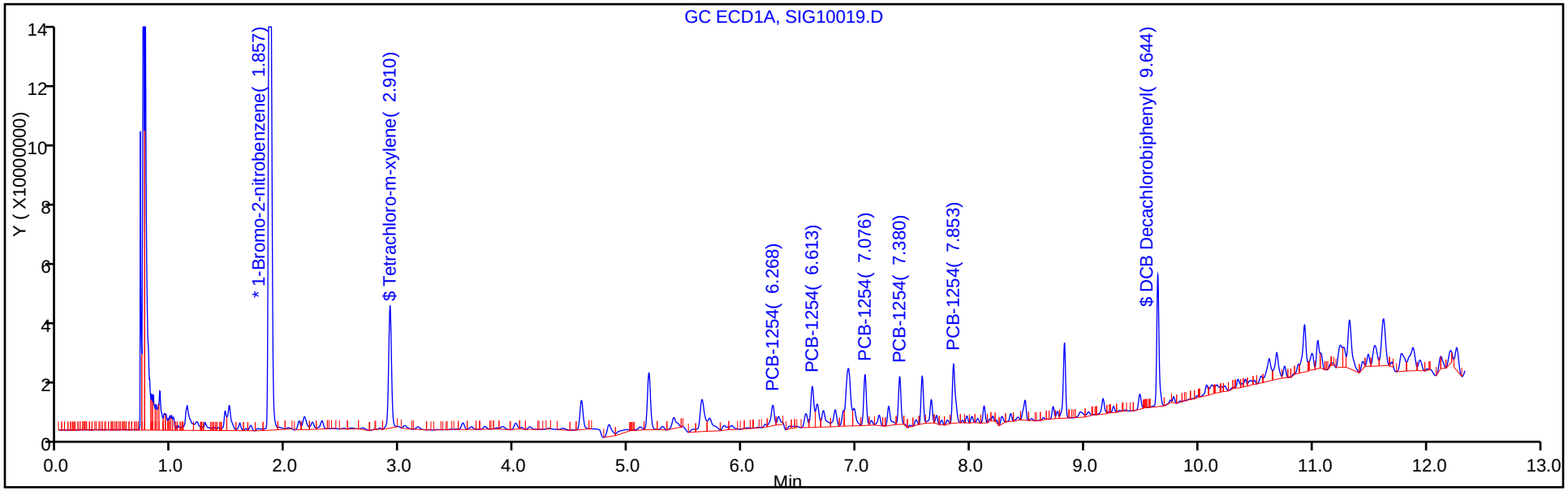
Report Date: 30-Sep-2016 07:49:16 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

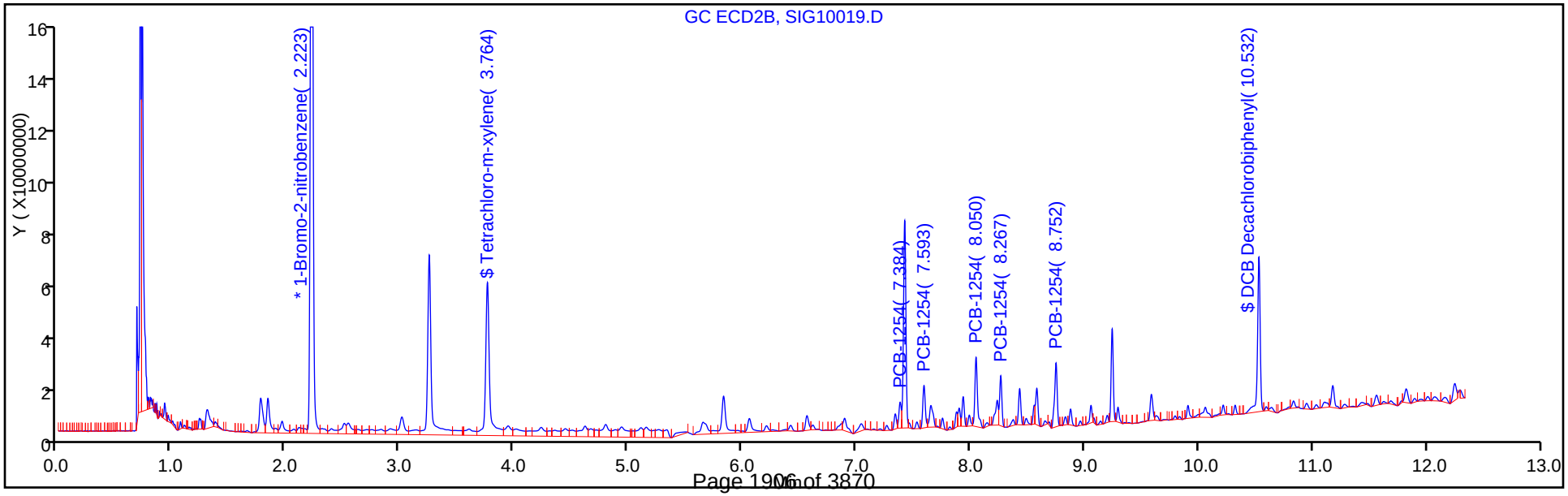
Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10019.D

Injection Date:	29-Sep-2016 13:01:05	Instrument ID:	A2HP4	Operator ID:	
Lims ID:	240-69767-B-58-A	Lab Sample ID:	240-69767-58	Worklist Smp#:	19
Client ID:	DR-SB-258-96-99				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	PCB4 is	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 30-Sep-2016 07:49:17 Chrom Revision: 2.2 08-Sep-2016 14:45:52

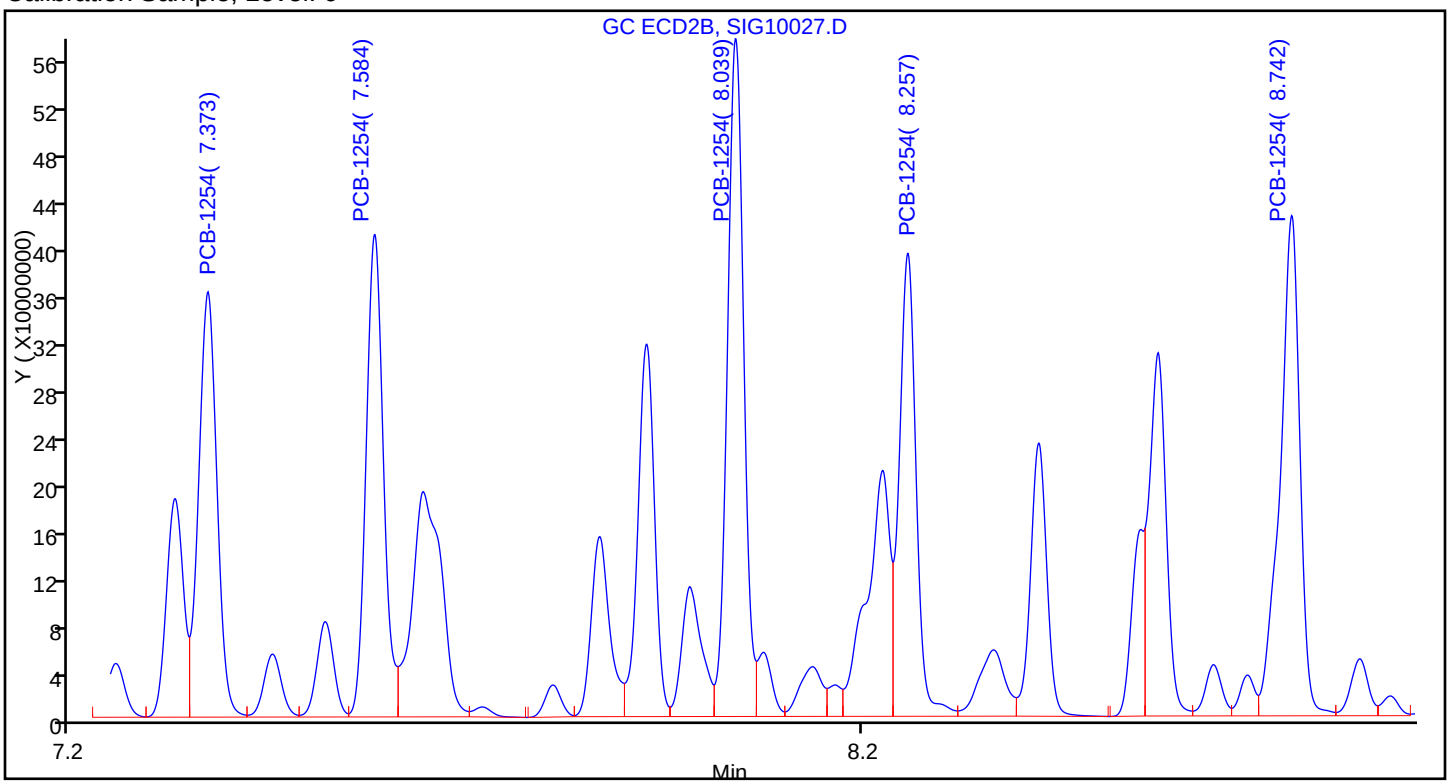
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10019.D

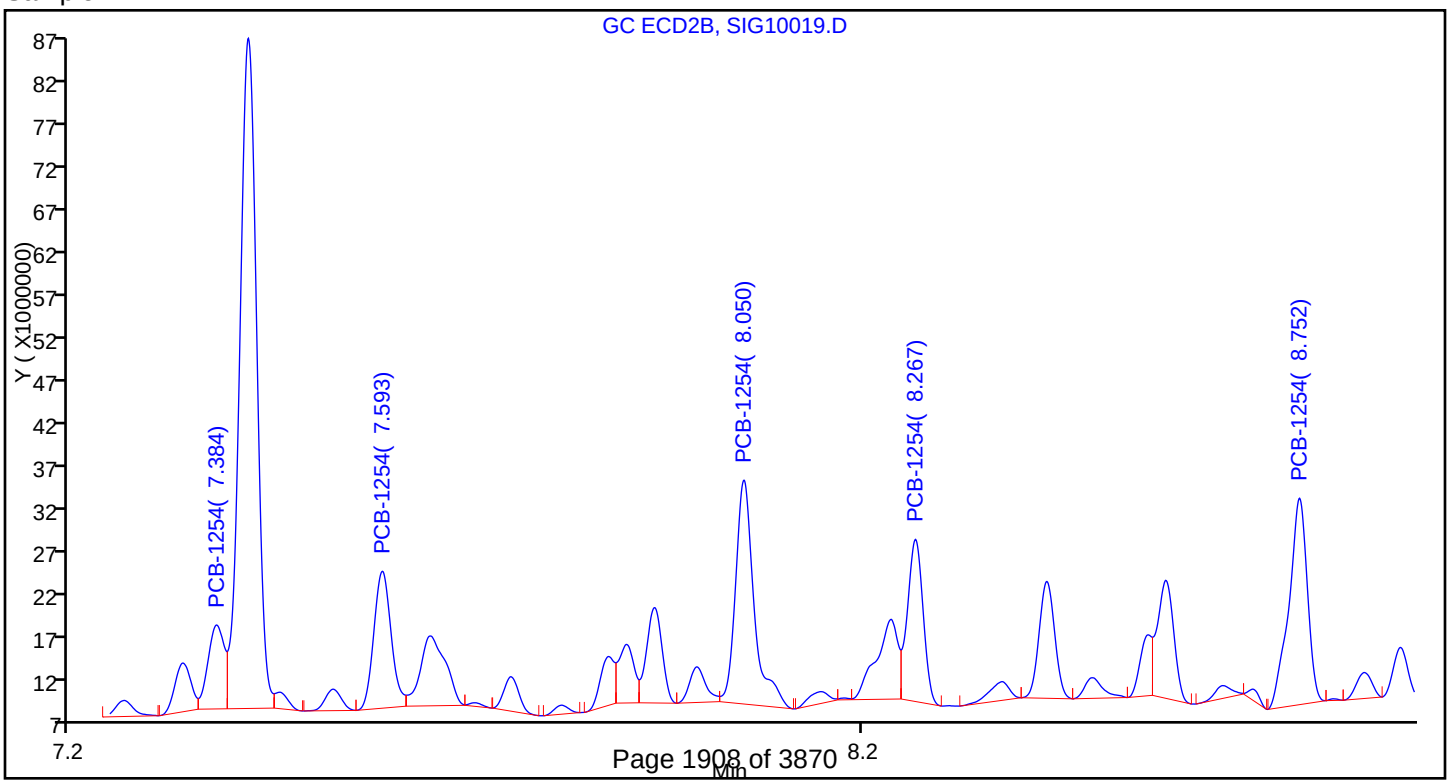
Injection Date:	29-Sep-2016 13:01:05	Instrument ID:	A2HP4		
Lims ID:	240-69767-B-58-A	Lab Sample ID:	240-69767-58		
Client ID:	DR-SB-258-96-99				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB4 is	Limit Group:	GC 8082A IS		
Column:		Detector	GC ecd2b		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-258-120-123 | Lab Sample ID: 240-69767-59

Matrix: Solid | Lab File ID: SIG10020.D

Analysis Method: 8082A | Date Collected: 09/20/2016 11:05

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 10.18(g) | Date Analyzed: 09/29/2016 13:19

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 18.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	29	U	61	29
11104-28-2	Aroclor-1221	28	U	61	28
11141-16-5	Aroclor-1232	19	U	61	19
53469-21-9	Aroclor-1242	24	U	61	24
12672-29-6	Aroclor-1248	21	U	61	21
11097-69-1	Aroclor-1254	58	J	61	17
11096-82-5	Aroclor-1260	22	U	61	22
37324-23-5	Aroclor-1262	9.7	U	61	9.7
11100-14-4	Aroclor-1268	24	U	61	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	43		14-128
2051-24-3	DCB Decachlorobiphenyl	77		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10020.D
Lims ID: 240-69767-B-59-A
Client ID: DR-SB-258-120-123
Sample Type: Client
Inject. Date: 29-Sep-2016 13:19:29 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058452-020
Operator ID: Instrument ID: A2HP4

Method: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\PCB4 is.m
Limit Group: GC 8082A IS
Last Update: 30-Sep-2016 07:48:27 Calib Date: 23-Sep-2016 00:25:00
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP4\20160922-58269.b\SIG10033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK026

First Level Reviewer: grantk Date: 29-Sep-2016 14:59:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	1.854	1.869	-0.015	365170533	0.0500	
2	2.220	2.235	-0.015	536699662	0.0500	
$ 2 Tetrachloro-m-xylene						
1	2.908	2.898	0.010	90795109	0.0102	
2	3.764	3.756	0.008	115662330	0.008696	
					RPD = 16.02	
3 PCB-1221						
1		3.234			ND	
1		3.484				
1		3.552				
2		4.339				
2		4.587				
2		4.689				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
6 PCB-1016						
1		3.545			ND	
1		4.146				
1		4.890				
1		5.090				
1		5.469				
2		4.684				
2		5.363				
2		6.073				
2		6.268				
2		6.890				
4 PCB-1232						
1		3.549			ND	
1		4.149				
1		4.892				
1		5.092				
1		5.469				
2		4.684				
2		5.364				
2		6.073				
2		6.269				
2		6.894				
5 PCB-1242						
1		3.553			ND	
1		4.153				
1		4.897				
1		5.096				
1		5.477				
2		4.688				
2		5.367				
2		6.077				
2		6.272				
2		6.615				
7 PCB-1248						
1		4.151			ND	
1		5.396				
1		6.351				
1		6.605				
1		7.074				
2		5.365				
2		6.073				
2		7.039				
2		7.384				
2		8.047				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	6.268	6.268	0.000	14983199	0.0426	
1	6.615	6.612	0.003	15749417	0.0314	
1	7.077	7.075	0.002	24454560	0.0466	
1	7.381	7.380	0.001	19739278	0.0530	
1	7.854	7.852	0.002	33030283	0.0684	
		Average of Peak Amounts =			0.0484	
2	7.385	7.381	0.004	8543175	0.0134	
2	7.594	7.592	0.002	17246739	0.0376	
2	8.051	8.049	0.002	35845049	0.0649	
2	8.269	8.267	0.002	14720268	0.0432	
2	8.752	8.750	0.002	37480358	0.0803	
		Average of Peak Amounts =			0.0479	
					RPD = 1.10	✓
10 PCB-1260						
1		7.275			ND	
1		7.569				
1		7.844				
1		8.473				
1		8.720				
2		8.229				
2		8.425				
2		8.742				
2		9.288				
2		9.590				
9 PCB-1262						
1		7.576			ND	
1		7.968				
1		8.196				
1		8.480				
1		8.762				
2		8.430				
2		8.829				
2		9.083				
2		9.293				
2		9.593				
11 PCB-1268						
1		8.764			ND	
1		8.798				
1		8.964				
1		9.259				
1		9.493				
2		9.592				
2		9.630				
2		9.837				
2		10.062				
2		10.323				
$ 12 DCB Decachlorobiphenyl						
1	9.646	9.639	0.007	71188204	0.0118	
2	10.534	10.525	0.009	93054945	0.0153	
					RPD = 26.09	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

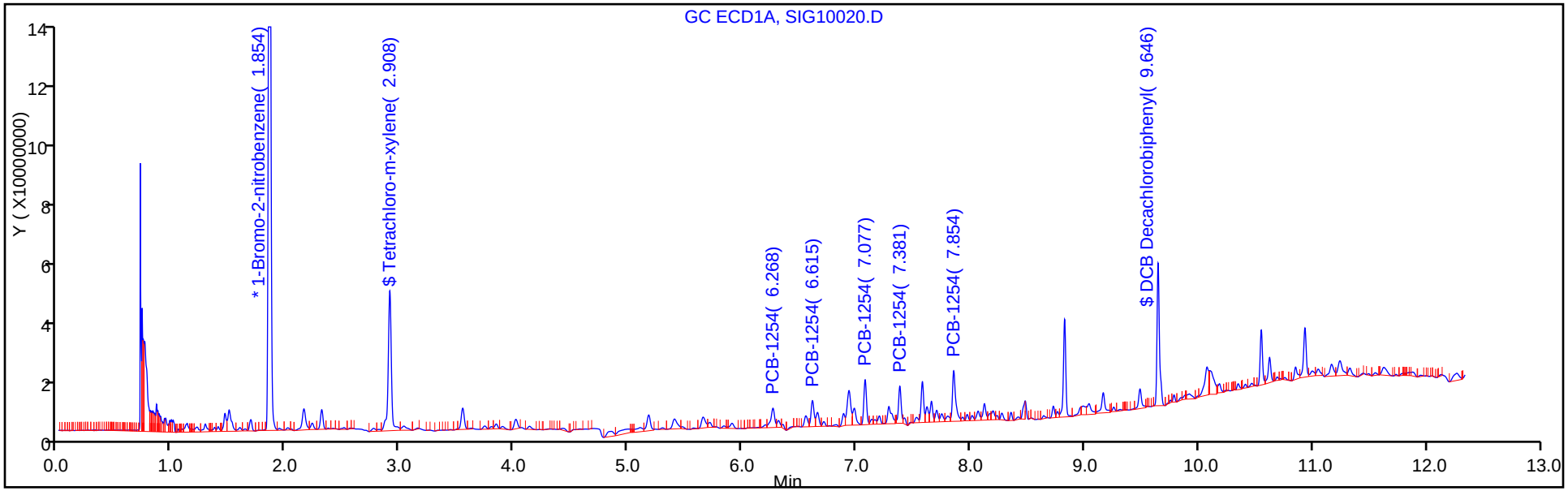
Report Date: 30-Sep-2016 07:49:10 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

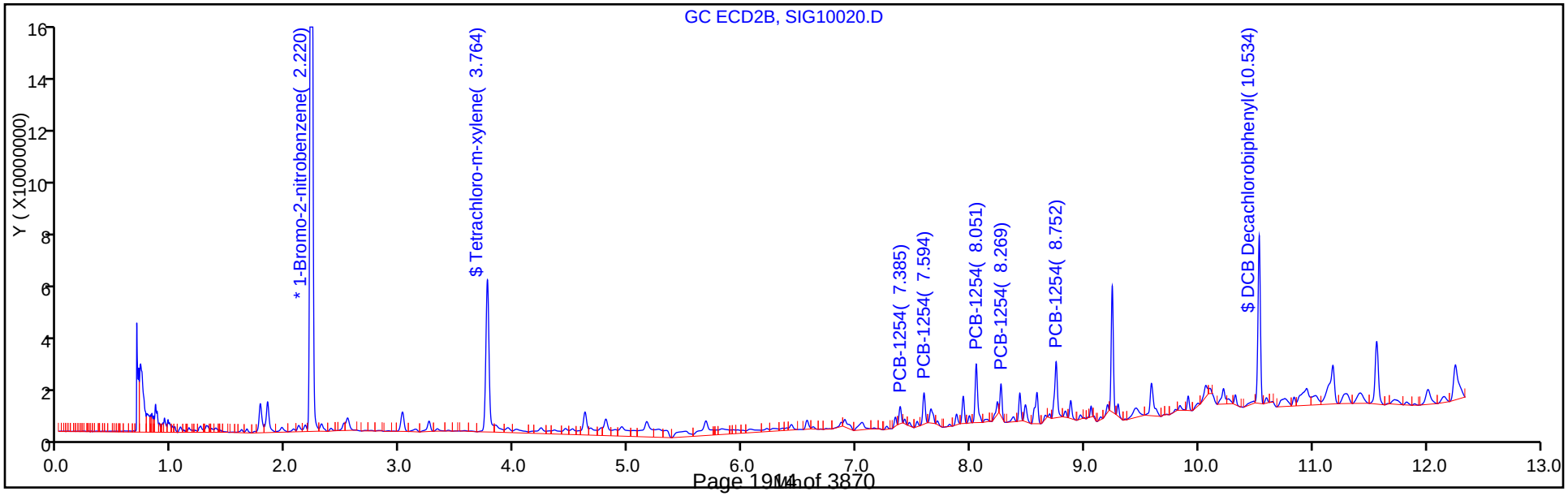
Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10020.D

Injection Date:	29-Sep-2016 13:19:29	Instrument ID:	A2HP4	Operator ID:	
Lims ID:	240-69767-B-59-A	Lab Sample ID:	240-69767-59	Worklist Smp#:	20
Client ID:	DR-SB-258-120-123				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	PCB4 is	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 30-Sep-2016 07:49:11 Chrom Revision: 2.2 08-Sep-2016 14:45:52

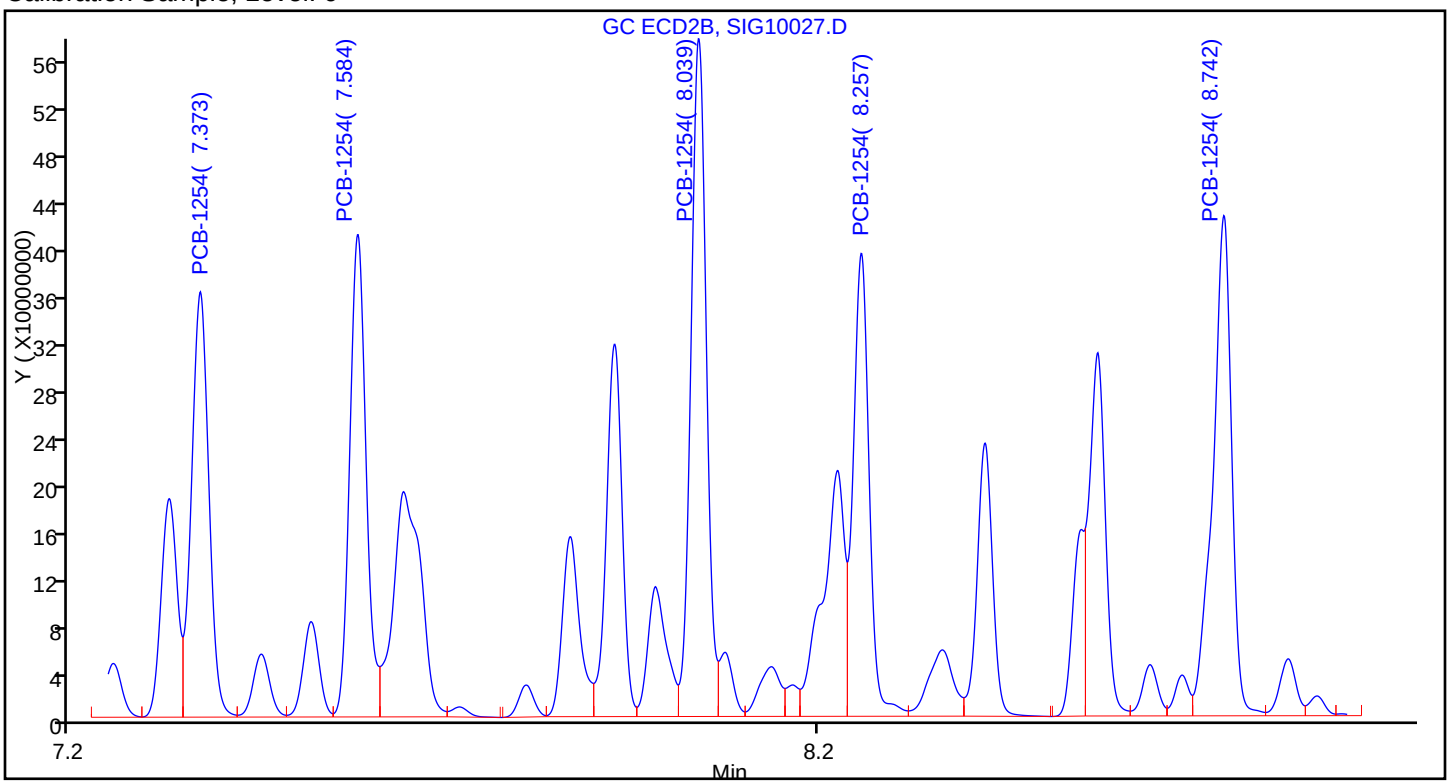
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10020.D

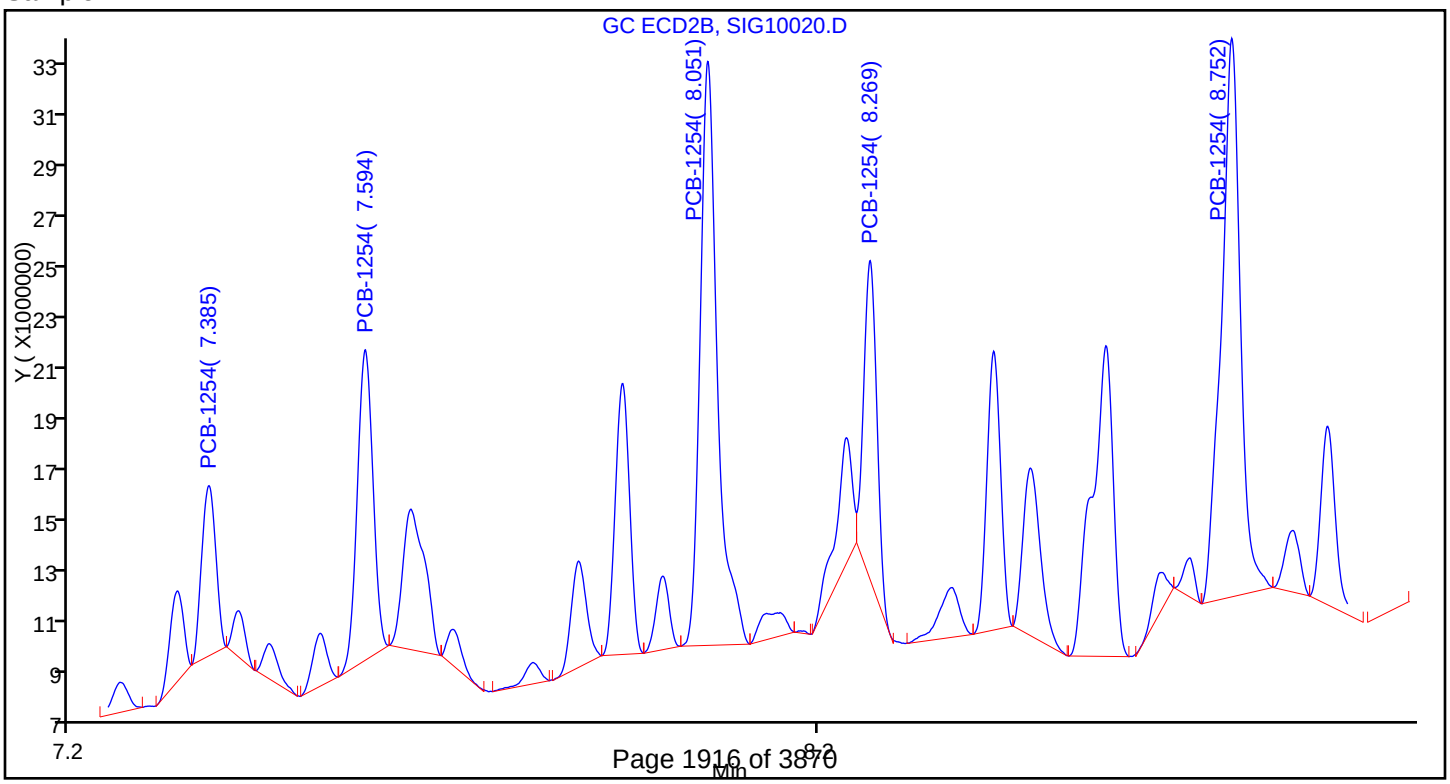
Injection Date:	29-Sep-2016 13:19:29	Instrument ID:	A2HP4		
Lims ID:	240-69767-B-59-A	Lab Sample ID:	240-69767-59		
Client ID:	DR-SB-258-120-123				
Operator ID:		ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB4 is	Limit Group:	GC 8082A IS		
Column:		Detector	GC ecd2b		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-250-0-3 | Lab Sample ID: 240-69767-1

Matrix: Solid | Lab File ID: P110924010.D

Analysis Method: 8082A | Date Collected: 09/19/2016 09:30

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:31

Sample wt/vol: 10.23(g) | Date Analyzed: 09/24/2016 14:43

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 21.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248278 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	30	U	62	30
11104-28-2	Aroclor-1221	28	U	62	28
11141-16-5	Aroclor-1232	20	U	62	20
53469-21-9	Aroclor-1242	25	U	62	25
12672-29-6	Aroclor-1248	21	U	62	21
11097-69-1	Aroclor-1254	17	U	62	17
11096-82-5	Aroclor-1260	22	U	62	22
37324-23-5	Aroclor-1262	9.9	U	62	9.9
11100-14-4	Aroclor-1268	25	U	62	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	79		14-128
2051-24-3	DCB Decachlorobiphenyl	74		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\P110924010.D
Lims ID: 240-69767-B-1-A
Client ID: DR-SB-250-0-3
Sample Type: Client
Inject. Date: 24-Sep-2016 14:43:35 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058310-010
Operator ID: Instrument ID: A2HP11

Method: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\PCB11 IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 09:51:57 Calib Date: 15-Aug-2016 20:13:30
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP11\20160815-57106.b\P110815033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK050

First Level Reviewer: coastc Date: 26-Sep-2016 06:31:34

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.895	2.881	0.014	209959147	0.0500	
2	3.661	3.657	0.003	242936724	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.366	4.370	-0.004	75320357	0.0162	
2	5.012	5.016	-0.004	82060923	0.0157	
					RPD = 2.94	
3 PCB-1221						
1		4.620			ND	
1		4.797				
1		4.844				
2		5.441				
2		5.627				
2		5.705				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.845			ND	
1		5.280				
1		5.837				
1		5.996				
1		6.295				
2		5.705				
2		6.237				
2		6.808				
2		6.975				
2		7.234				
5 PCB-1242						
1		4.845			ND	
1		5.279				
1		5.838				
1		5.996				
1		6.295				
2		5.704				
2		6.235				
2		6.807				
2		6.974				
2		7.551				
6 PCB-1016						
1		4.847			ND	
1		5.280				
1		5.840				
1		6.070				
1		6.490				
2		5.705				
2		6.236				
2		6.807				
2		6.975				
2		7.551				
7 PCB-1248						
1		5.278			ND	
1		5.836				
1		6.489				
1		6.995				
1		7.710				
2		6.235				
2		6.803				
2		7.550				
2		8.061				
2		8.827				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1		6.941			ND	
1		7.255				
1		7.709				
1		8.035				
1		8.570				
2		8.056				
2		8.291				
2		8.826				
2		9.097				
2		9.717				
10 PCB-1260						
1		7.925			ND	
1		8.251				
1		8.567				
1		9.344				
1		9.660				
2		9.056				
2		9.305				
2		9.715				
2		10.452				
2		10.834				
9 PCB-1262						
1		8.253			ND	
1		8.705				
1		8.982				
1		9.345				
1		9.707				
2		9.307				
2		9.824				
2		10.166				
2		10.453				
2		10.832				
11 PCB-1268						
1		9.705			ND	
1		9.748				
1		9.968				
1		10.372				
1		10.674				
2		10.828				
2		10.875				
2		11.125				
2		11.405				
2		11.705				
$ 12 DCB Decachlorobiphenyl						
1	10.864	10.865	-0.001	77605651	0.0160	
2	11.933	11.933	0.000	63131155	0.0148	
					RPD = 7.95	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

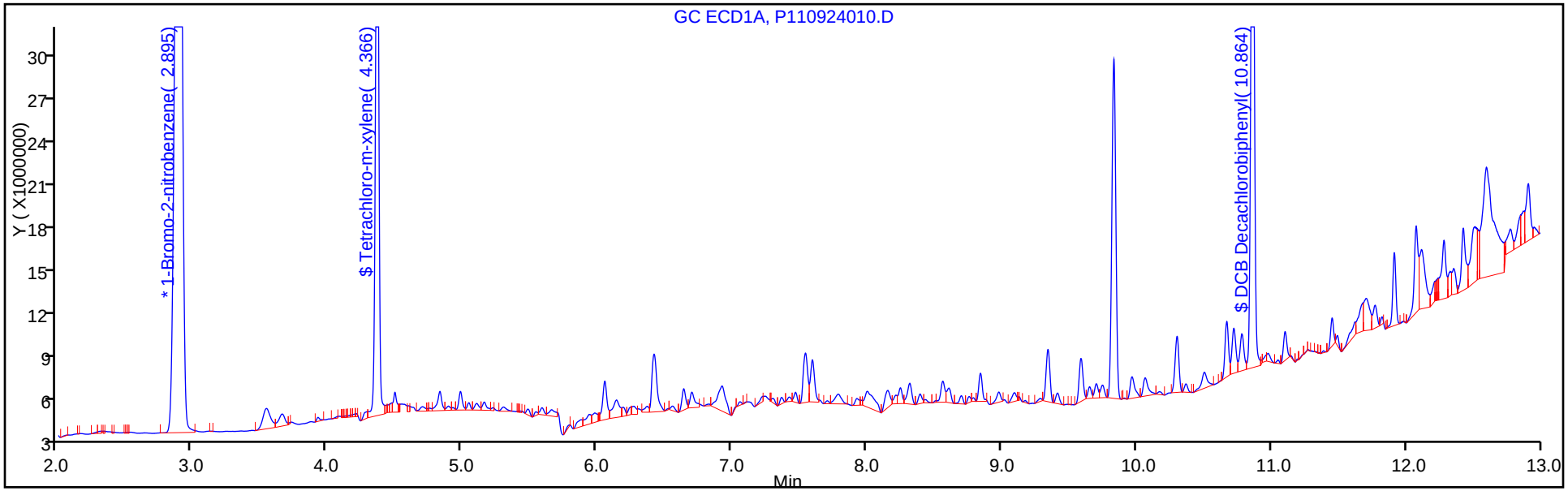
Report Date: 26-Sep-2016 09:52:18 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

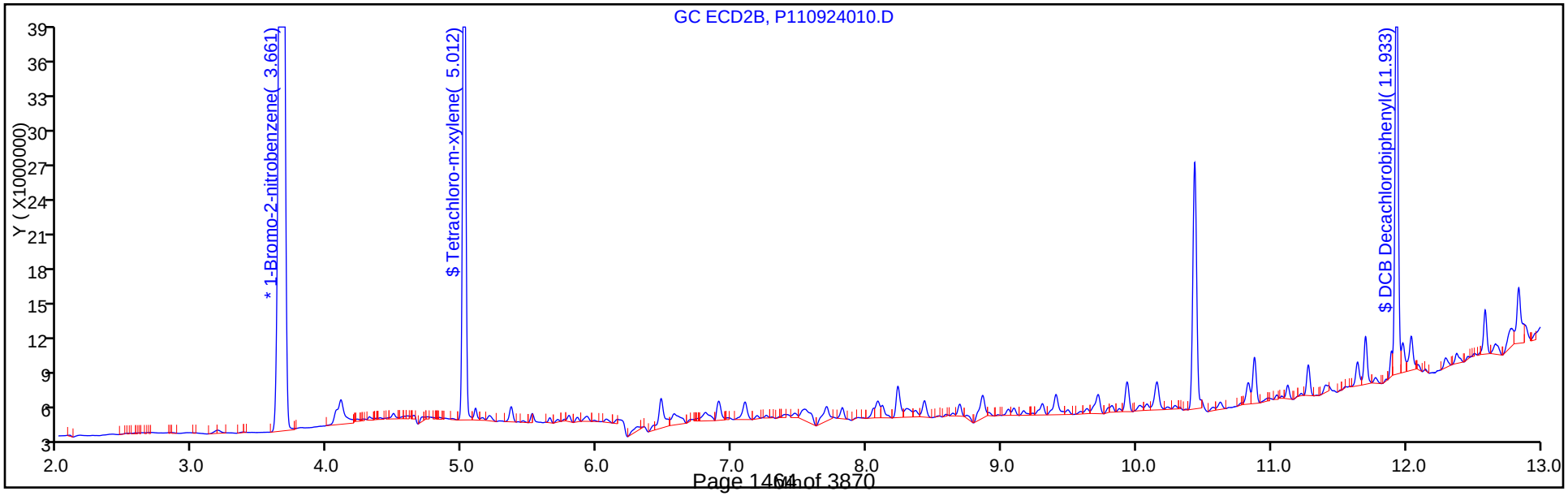
Data File: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\P110924010.D

Injection Date:	24-Sep-2016 14:43:35	Instrument ID:	A2HP11	Operator ID:	
Lims ID:	240-69767-B-1-A	Lab Sample ID:	240-69767-1	Worklist Smp#:	10
Client ID:	DR-SB-250-0-3				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	PCB11 IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-250-24-27 | Lab Sample ID: 240-69767-2

Matrix: Solid | Lab File ID: P110924011.D

Analysis Method: 8082A | Date Collected: 09/19/2016 09:32

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:31

Sample wt/vol: 10.27(g) | Date Analyzed: 09/24/2016 15:01

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 11.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248278 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	55	27
11104-28-2	Aroclor-1221	25	U	55	25
11141-16-5	Aroclor-1232	18	U	55	18
53469-21-9	Aroclor-1242	22	U	55	22
12672-29-6	Aroclor-1248	19	U	55	19
11097-69-1	Aroclor-1254	15	U	55	15
11096-82-5	Aroclor-1260	20	U	55	20
37324-23-5	Aroclor-1262	8.8	U	55	8.8
11100-14-4	Aroclor-1268	22	U	55	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	69		14-128
2051-24-3	DCB Decachlorobiphenyl	65		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\P110924011.D
Lims ID: 240-69767-B-2-A
Client ID: DR-SB-250-24-27
Sample Type: Client
Inject. Date: 24-Sep-2016 15:01:44 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058310-011
Operator ID: Instrument ID: A2HP11

Method: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\PCB11 IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 09:51:57 Calib Date: 15-Aug-2016 20:13:30
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP11\20160815-57106.b\P110815033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK050

First Level Reviewer: coastc Date: 26-Sep-2016 06:32:12

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.891	2.881	0.010	205465529	0.0500	
2	3.659	3.657	0.002	232378642	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.366	4.370	-0.004	64880567	0.0143	
2	5.014	5.016	-0.002	68652257	0.0138	
					RPD = 3.58	
3 PCB-1221						
1		4.620			ND	
1		4.797				
1		4.844				
2		5.441				
2		5.627				
2		5.705				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.845			ND	
1		5.280				
1		5.837				
1		5.996				
1		6.295				
2		5.705				
2		6.237				
2		6.808				
2		6.975				
2		7.234				
5 PCB-1242						
1		4.845			ND	
1		5.279				
1		5.838				
1		5.996				
1		6.295				
2		5.704				
2		6.235				
2		6.807				
2		6.974				
2		7.551				
6 PCB-1016						
1		4.847			ND	
1		5.280				
1		5.840				
1		6.070				
1		6.490				
2		5.705				
2		6.236				
2		6.807				
2		6.975				
2		7.551				
7 PCB-1248						
1		5.278			ND	
1		5.836				
1		6.489				
1		6.995				
1		7.710				
2		6.235				
2		6.803				
2		7.550				
2		8.061				
2		8.827				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1		6.941			ND	
1		7.255				
1		7.709				
1		8.035				
1		8.570				
2		8.056				
2		8.291				
2		8.826				
2		9.097				
2		9.717				
10 PCB-1260						
1		7.925			ND	
1		8.251				
1		8.567				
1		9.344				
1		9.660				
2		9.056				
2		9.305				
2		9.715				
2		10.452				
2		10.834				
9 PCB-1262						
1		8.253			ND	
1		8.705				
1		8.982				
1		9.345				
1		9.707				
2		9.307				
2		9.824				
2		10.166				
2		10.453				
2		10.832				
11 PCB-1268						
1		9.705			ND	
1		9.748				
1		9.968				
1		10.372				
1		10.674				
2		10.828				
2		10.875				
2		11.125				
2		11.405				
2		11.705				
$ 12 DCB Decachlorobiphenyl						
1	10.864	10.865	-0.001	69373502	0.0146	
2	11.933	11.933	0.000	53352926	0.0131	
					RPD = 11.28	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

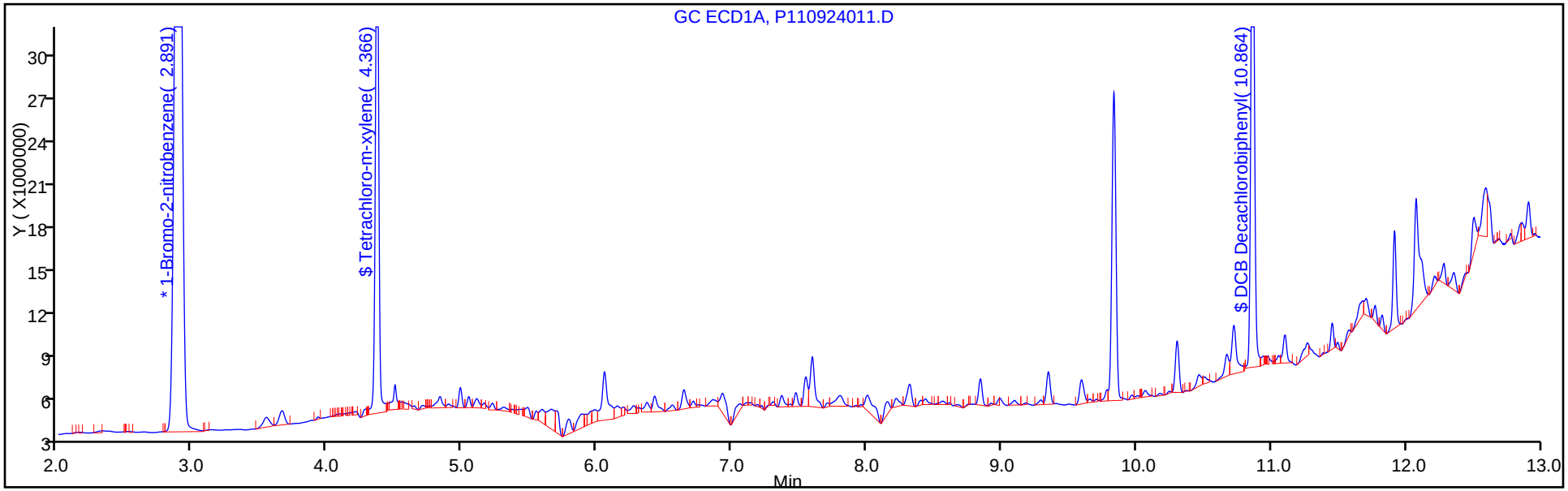
Report Date: 26-Sep-2016 09:52:21 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

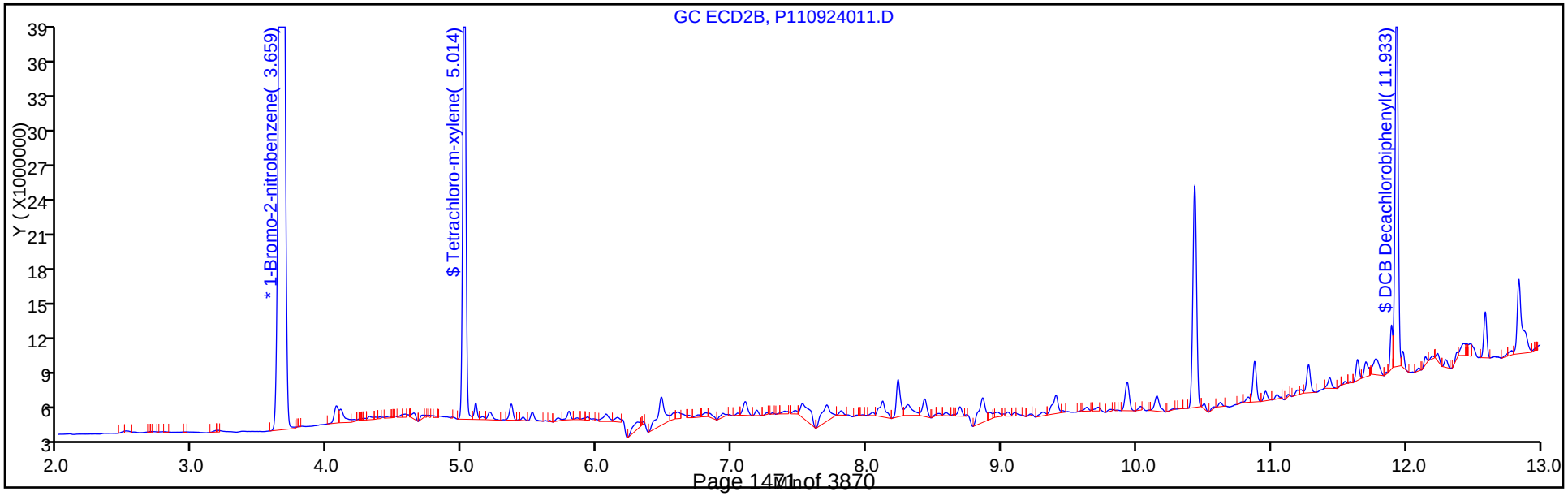
Data File: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\P110924011.D

Injection Date:	24-Sep-2016 15:01:44	Instrument ID:	A2HP11	Operator ID:	
Lims ID:	240-69767-B-2-A	Lab Sample ID:	240-69767-2	Worklist Smp#:	11
Client ID:	DR-SB-250-24-27				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	PCB11 IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-250-48-51 | Lab Sample ID: 240-69767-3

Matrix: Solid | Lab File ID: P110924012.D

Analysis Method: 8082A | Date Collected: 09/19/2016 09:35

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:31

Sample wt/vol: 9.70(g) | Date Analyzed: 09/24/2016 15:19

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 14.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248278 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	29	U	60	29
11104-28-2	Aroclor-1221	28	U	60	28
11141-16-5	Aroclor-1232	19	U	60	19
53469-21-9	Aroclor-1242	24	U	60	24
12672-29-6	Aroclor-1248	20	U	60	20
11097-69-1	Aroclor-1254	17	U	60	17
11096-82-5	Aroclor-1260	22	U	60	22
37324-23-5	Aroclor-1262	9.6	U	60	9.6
11100-14-4	Aroclor-1268	24	U	60	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	71		14-128
2051-24-3	DCB Decachlorobiphenyl	87		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\P110924012.D
Lims ID: 240-69767-B-3-A
Client ID: DR-SB-250-48-51
Sample Type: Client
Inject. Date: 24-Sep-2016 15:19:53 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058310-012
Operator ID: Instrument ID: A2HP11

Method: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\PCB11 IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 09:51:57 Calib Date: 15-Aug-2016 20:13:30
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP11\20160815-57106.b\P110815033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK050

First Level Reviewer: coastc Date: 26-Sep-2016 06:35:24

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.903	2.881	0.022	219299789	0.0500	
2	3.666	3.657	0.009	237914076	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.369	4.370	-0.001	74756722	0.0154	
2	5.015	5.016	-0.001	72784372	0.0142	
					RPD = 7.74	
3 PCB-1221						
1		4.620			ND	
1		4.797				
1		4.844				
2		5.441				
2		5.627				
2		5.705				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.845			ND	
1		5.280				
1		5.837				
1		5.996				
1		6.295				
2		5.705				
2		6.237				
2		6.808				
2		6.975				
2		7.234				
5 PCB-1242						
1		4.845			ND	
1		5.279				
1		5.838				
1		5.996				
1		6.295				
2		5.704				
2		6.235				
2		6.807				
2		6.974				
2		7.551				
6 PCB-1016						
1		4.847			ND	
1		5.280				
1		5.840				
1		6.070				
1		6.490				
2		5.705				
2		6.236				
2		6.807				
2		6.975				
2		7.551				
7 PCB-1248						
1		5.278			ND	
1		5.836				
1		6.489				
1		6.995				
1		7.710				
2		6.235				
2		6.803				
2		7.550				
2		8.061				
2		8.827				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1		6.941			ND	
1		7.255				
1		7.709				
1		8.035				
1		8.570				
2		8.056				
2		8.291				
2		8.826				
2		9.097				
2		9.717				
10 PCB-1260						
1	7.922	7.925	-0.003	2808081	0.006660	
1	8.247	8.251	-0.004	5592570	0.003602	
1	8.560	8.567	-0.007	8350951	0.0168	
1	9.343	9.344	-0.001	9482505	0.0174	
1	9.653	9.660	-0.007	3768052	0.0134	
		Average of Peak Amounts =			0.0116	
2	9.054	9.056	-0.002	4801627	0.0178	
2	9.306	9.305	0.001	3586248	0.0116	
2	9.717	9.715	0.002	3441128	0.008973	
2	0.000	10.452	0.000	0	0	
2	10.832	10.834	-0.002	3346869	0.0113	
		Average of Peak Amounts =			0.0124	
					RPD = 7.11	
9 PCB-1262						
1		8.253			ND	
1		8.705				
1		8.982				
1		9.345				
1		9.707				
2		9.307				
2		9.824				
2		10.166				
2		10.453				
2		10.832				
11 PCB-1268						
1		9.705			ND	
1		9.748				
1		9.968				
1		10.372				
1		10.674				
2		10.828				
2		10.875				
2		11.125				
2		11.405				
2		11.705				
$ 12 DCB Decachlorobiphenyl						
1	10.863	10.865	-0.002	90173325	0.0178	
2	11.933	11.933	0.000	72667120	0.0174	
					RPD = 2.46	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

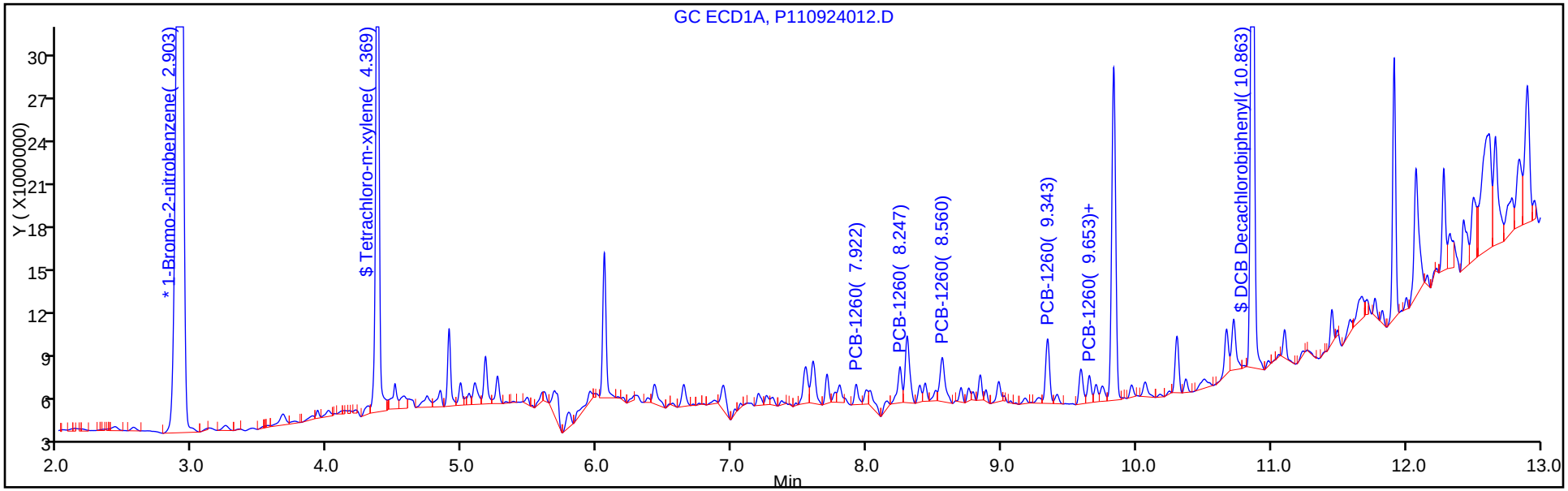
Report Date: 26-Sep-2016 09:52:23 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

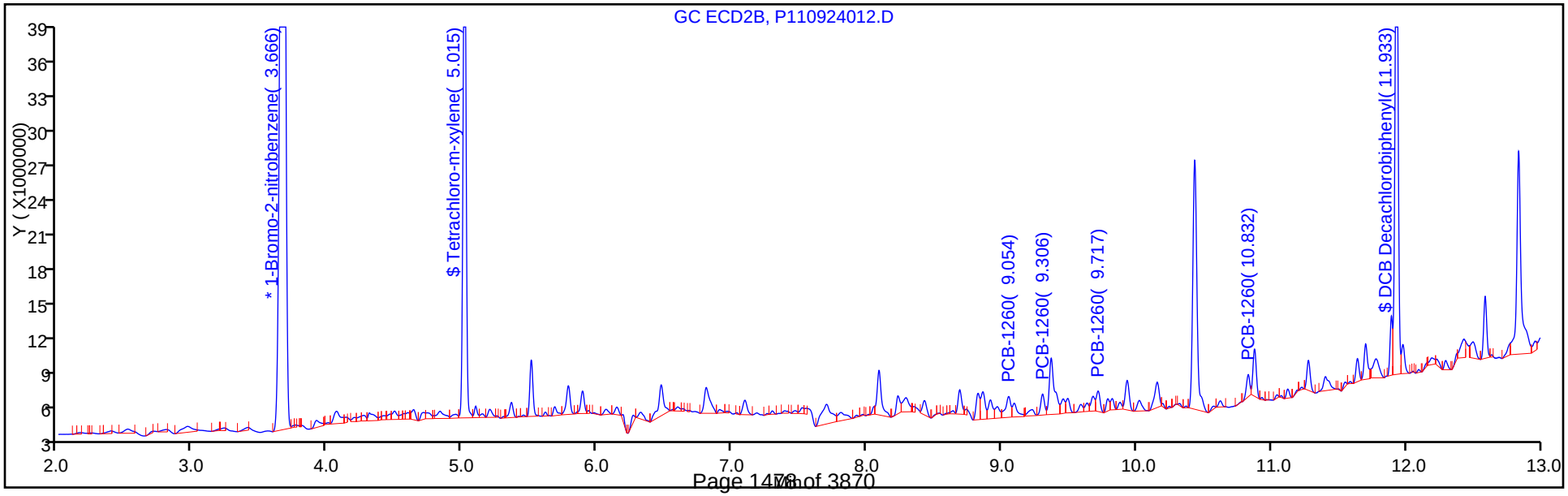
Data File: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\P110924012.D

Injection Date:	24-Sep-2016 15:19:53	Instrument ID:	A2HP11	Operator ID:	
Lims ID:	240-69767-B-3-A	Lab Sample ID:	240-69767-3	Worklist Smp#:	12
Client ID:	DR-SB-250-48-51				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	PCB11 IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 09:52:23 Chrom Revision: 2.2 08-Sep-2016 14:45:52

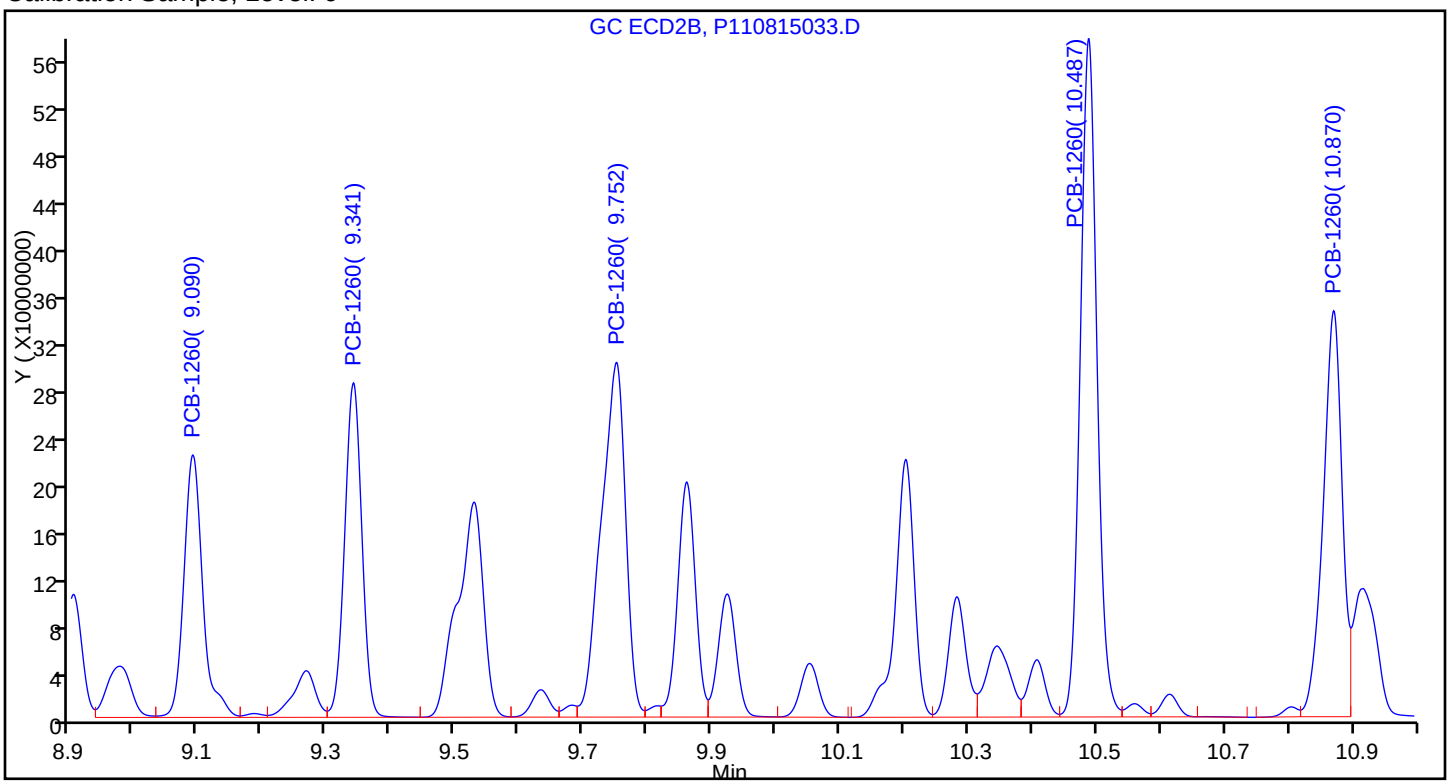
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\P110924012.D

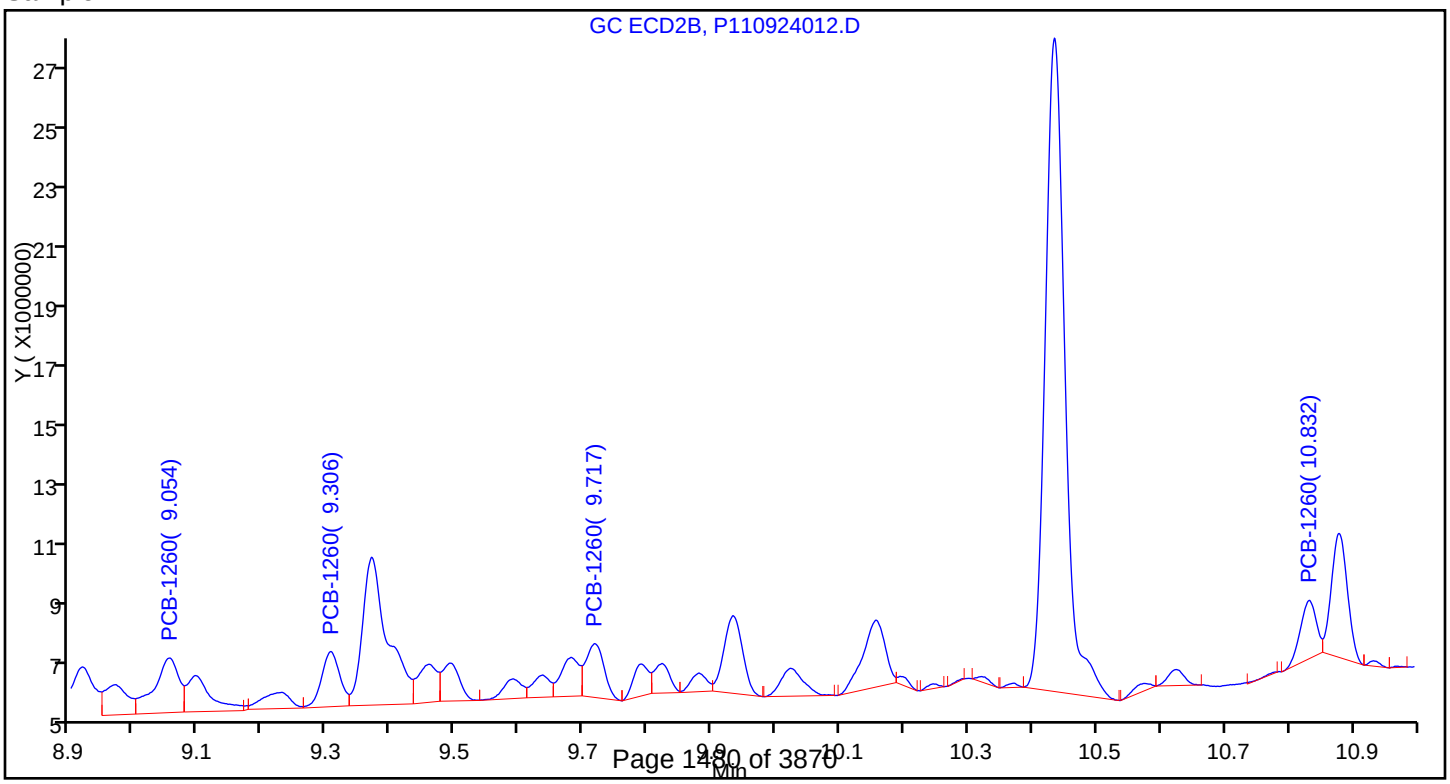
Injection Date:	24-Sep-2016 15:19:53	Instrument ID:	A2HP11		
Lims ID:	240-69767-B-3-A	Lab Sample ID:	240-69767-3		
Client ID:	DR-SB-250-48-51				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB11 IS	Limit Group:	GC 8082A and DoD IS		
Column:		Detector	GC ecd2b		

10 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-250-72-75 | Lab Sample ID: 240-69767-4

Matrix: Solid | Lab File ID: P110924013.D

Analysis Method: 8082A | Date Collected: 09/19/2016 09:42

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:31

Sample wt/vol: 9.70(g) | Date Analyzed: 09/24/2016 15:38

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 9.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248278 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	57	27
11104-28-2	Aroclor-1221	26	U	57	26
11141-16-5	Aroclor-1232	18	U	57	18
53469-21-9	Aroclor-1242	23	U	57	23
12672-29-6	Aroclor-1248	19	U	57	19
11097-69-1	Aroclor-1254	16	U	57	16
11096-82-5	Aroclor-1260	20	U	57	20
37324-23-5	Aroclor-1262	9.1	U	57	9.1
11100-14-4	Aroclor-1268	23	U	57	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		14-128
2051-24-3	DCB Decachlorobiphenyl	98		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\P110924013.D
Lims ID: 240-69767-B-4-A
Client ID: DR-SB-250-72-75
Sample Type: Client
Inject. Date: 24-Sep-2016 15:38:07 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058310-013
Operator ID: Instrument ID: A2HP11

Method: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\PCB11 IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 09:51:57 Calib Date: 15-Aug-2016 20:13:30
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP11\20160815-57106.b\P110815033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK050

First Level Reviewer: coastc Date: 26-Sep-2016 06:36:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.909	2.881	0.028	206952040	0.0500	
2	3.668	3.657	0.011	228216570	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.370	4.370	0.000	74911037	0.0163	
2	5.015	5.016	-0.001	74834398	0.0153	
					RPD = 6.80	
3 PCB-1221						
1		4.620			ND	
1		4.797				
1		4.844				
2		5.441				
2		5.627				
2		5.705				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.845			ND	
1		5.280				
1		5.837				
1		5.996				
1		6.295				
2		5.705				
2		6.237				
2		6.808				
2		6.975				
2		7.234				
5 PCB-1242						
1		4.845			ND	
1		5.279				
1		5.838				
1		5.996				
1		6.295				
2		5.704				
2		6.235				
2		6.807				
2		6.974				
2		7.551				
6 PCB-1016						
1		4.847			ND	
1		5.280				
1		5.840				
1		6.070				
1		6.490				
2		5.705				
2		6.236				
2		6.807				
2		6.975				
2		7.551				
7 PCB-1248						
1		5.278			ND	
1		5.836				
1		6.489				
1		6.995				
1		7.710				
2		6.235				
2		6.803				
2		7.550				
2		8.061				
2		8.827				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1		6.941			ND	
1		7.255				
1		7.709				
1		8.035				
1		8.570				
2		8.056				
2		8.291				
2		8.826				
2		9.097				
2		9.717				
10 PCB-1260						
1		7.925			ND	
1		8.251				
1		8.567				
1		9.344				
1		9.660				
2		9.056				
2		9.305				
2		9.715				
2		10.452				
2		10.834				
9 PCB-1262						
1		8.253			ND	
1		8.705				
1		8.982				
1		9.345				
1		9.707				
2		9.307				
2		9.824				
2		10.166				
2		10.453				
2		10.832				
11 PCB-1268						
1		9.705			ND	
1		9.748				
1		9.968				
1		10.372				
1		10.674				
2		10.828				
2		10.875				
2		11.125				
2		11.405				
2		11.705				
$ 12 DCB Decachlorobiphenyl						
1	10.863	10.865	-0.002	92182492	0.0193	
2	11.934	11.933	0.001	78856775	0.0197	
					RPD = 1.88	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

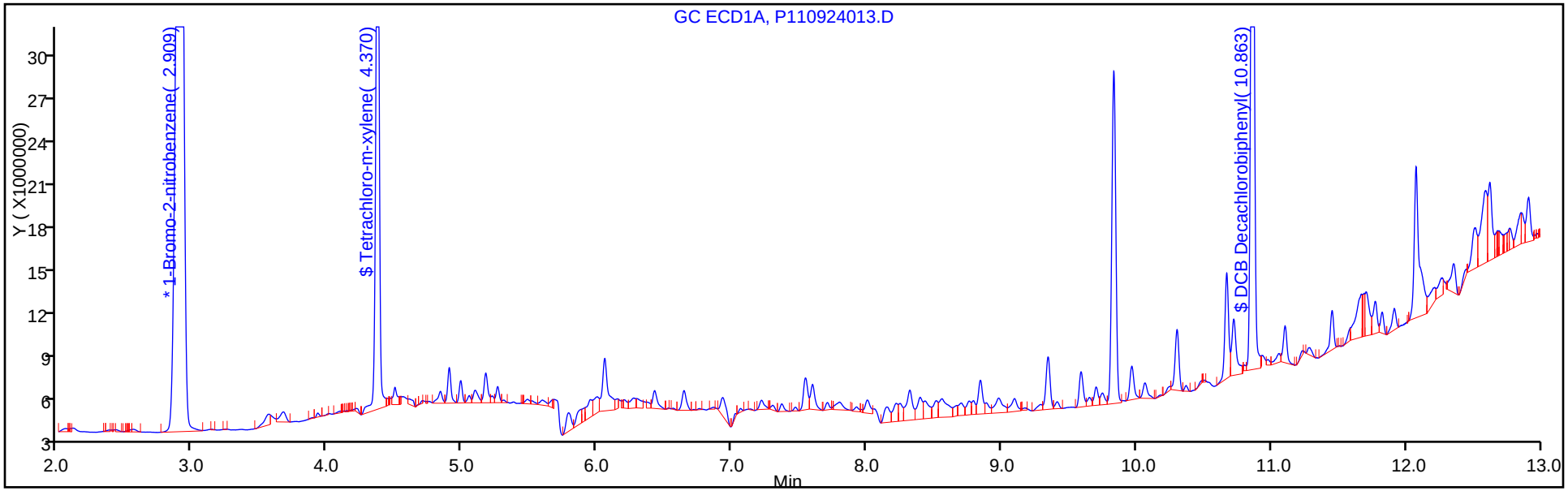
Report Date: 26-Sep-2016 09:52:26 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

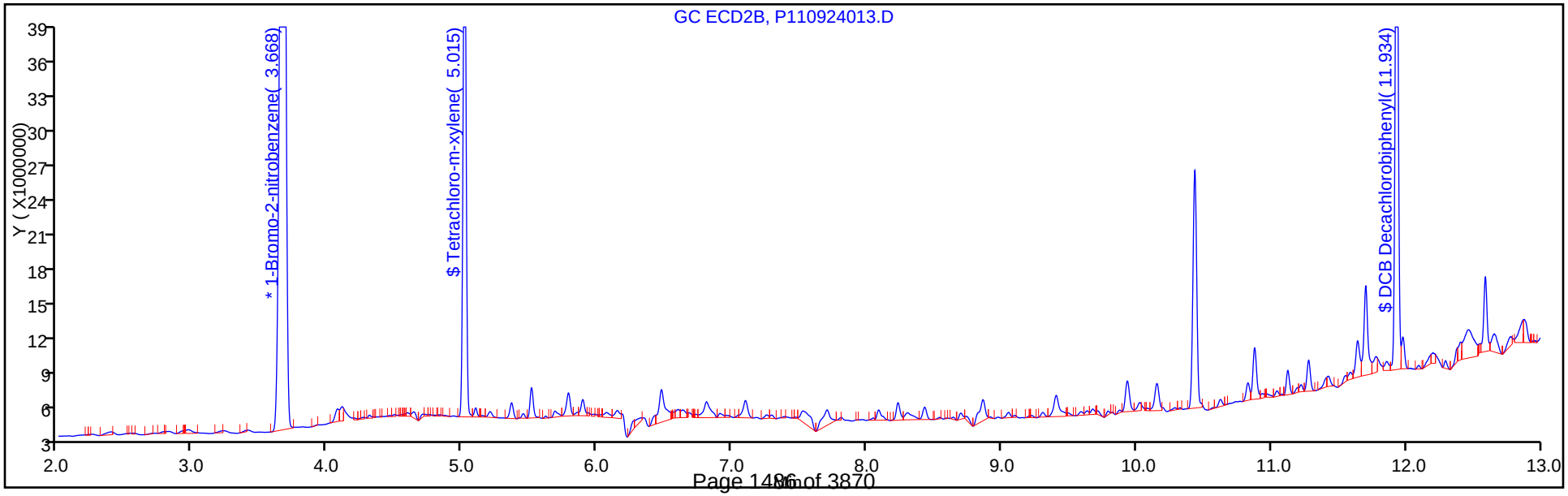
Data File: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\P110924013.D

Injection Date:	24-Sep-2016 15:38:07	Instrument ID:	A2HP11	Operator ID:	
Lims ID:	240-69767-B-4-A	Lab Sample ID:	240-69767-4	Worklist Smp#:	13
Client ID:	DR-SB-250-72-75				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	PCB11 IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-250-96-99 | Lab Sample ID: 240-69767-5

Matrix: Solid | Lab File ID: P110924014.D

Analysis Method: 8082A | Date Collected: 09/19/2016 09:45

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:31

Sample wt/vol: 9.73(g) | Date Analyzed: 09/24/2016 15:56

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 16.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248278 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	29	U	61	29
11104-28-2	Aroclor-1221	28	U	61	28
11141-16-5	Aroclor-1232	20	U	61	20
53469-21-9	Aroclor-1242	25	U	61	25
12672-29-6	Aroclor-1248	21	U	61	21
11097-69-1	Aroclor-1254	17	U	61	17
11096-82-5	Aroclor-1260	22	U	61	22
37324-23-5	Aroclor-1262	9.8	U	61	9.8
11100-14-4	Aroclor-1268	25	U	61	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	82		14-128
2051-24-3	DCB Decachlorobiphenyl	79		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\P110924014.D
Lims ID: 240-69767-B-5-A
Client ID: DR-SB-250-96-99
Sample Type: Client
Inject. Date: 24-Sep-2016 15:56:19 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058310-014
Operator ID: Instrument ID: A2HP11

Method: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\PCB11 IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 09:51:57 Calib Date: 15-Aug-2016 20:13:30
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP11\20160815-57106.b\P110815033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK050

First Level Reviewer: coastc Date: 26-Sep-2016 06:36:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.910	2.881	0.029	227301876	0.0500	
2	3.670	3.657	0.012	251961607	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.368	4.370	-0.002	84328370	0.0168	
2	5.014	5.016	-0.002	88692957	0.0164	
					RPD = 2.18	
3 PCB-1221						
1		4.620			ND	
1		4.797				
1		4.844				
2		5.441				
2		5.627				
2		5.705				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.845			ND	
1		5.280				
1		5.837				
1		5.996				
1		6.295				
2		5.705				
2		6.237				
2		6.808				
2		6.975				
2		7.234				
5 PCB-1242						
1		4.845			ND	
1		5.279				
1		5.838				
1		5.996				
1		6.295				
2		5.704				
2		6.235				
2		6.807				
2		6.974				
2		7.551				
6 PCB-1016						
1		4.847			ND	
1		5.280				
1		5.840				
1		6.070				
1		6.490				
2		5.705				
2		6.236				
2		6.807				
2		6.975				
2		7.551				
7 PCB-1248						
1		5.278			ND	
1		5.836				
1		6.489				
1		6.995				
1		7.710				
2		6.235				
2		6.803				
2		7.550				
2		8.061				
2		8.827				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1		6.941			ND	
1		7.255				
1		7.709				
1		8.035				
1		8.570				
2		8.056				
2		8.291				
2		8.826				
2		9.097				
2		9.717				
10 PCB-1260						
1		7.925			ND	
1		8.251				
1		8.567				
1		9.344				
1		9.660				
2		9.056				
2		9.305				
2		9.715				
2		10.452				
2		10.834				
9 PCB-1262						
1		8.253			ND	
1		8.705				
1		8.982				
1		9.345				
1		9.707				
2		9.307				
2		9.824				
2		10.166				
2		10.453				
2		10.832				
11 PCB-1268						
1		9.705			ND	
1		9.748				
1		9.968				
1		10.372				
1		10.674				
2		10.828				
2		10.875				
2		11.125				
2		11.405				
2		11.705				
$ 12 DCB Decachlorobiphenyl						
1	10.861	10.865	-0.004	86616292	0.0165	
2	11.931	11.933	-0.002	69660115	0.0157	
					RPD = 4.81	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

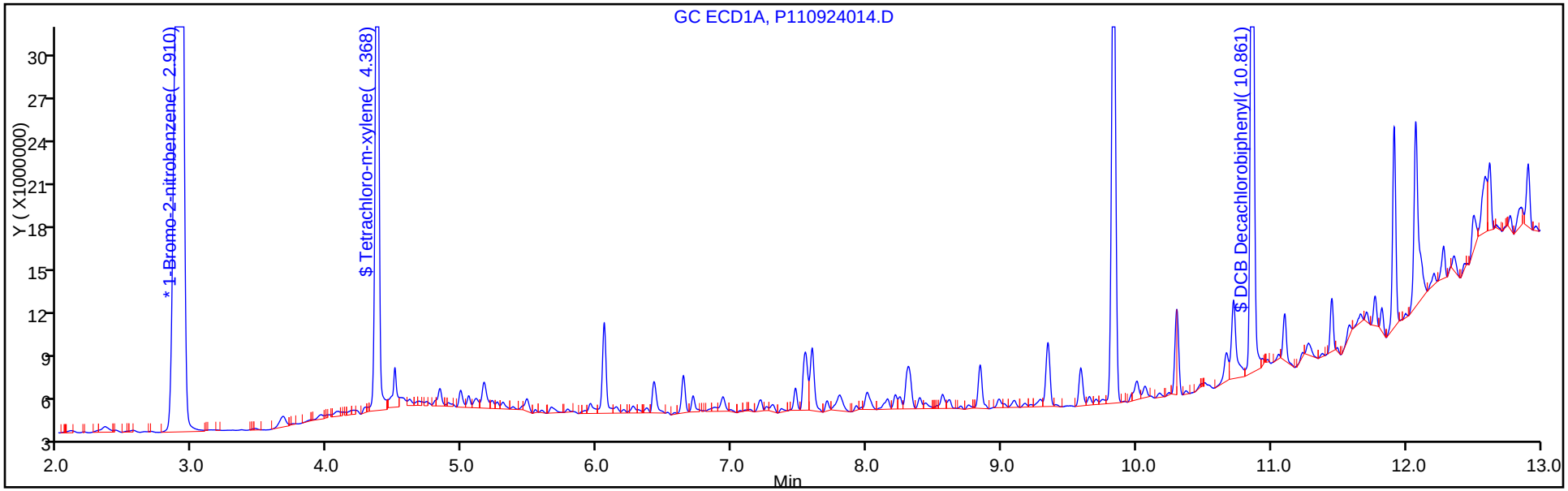
Report Date: 26-Sep-2016 09:52:28 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

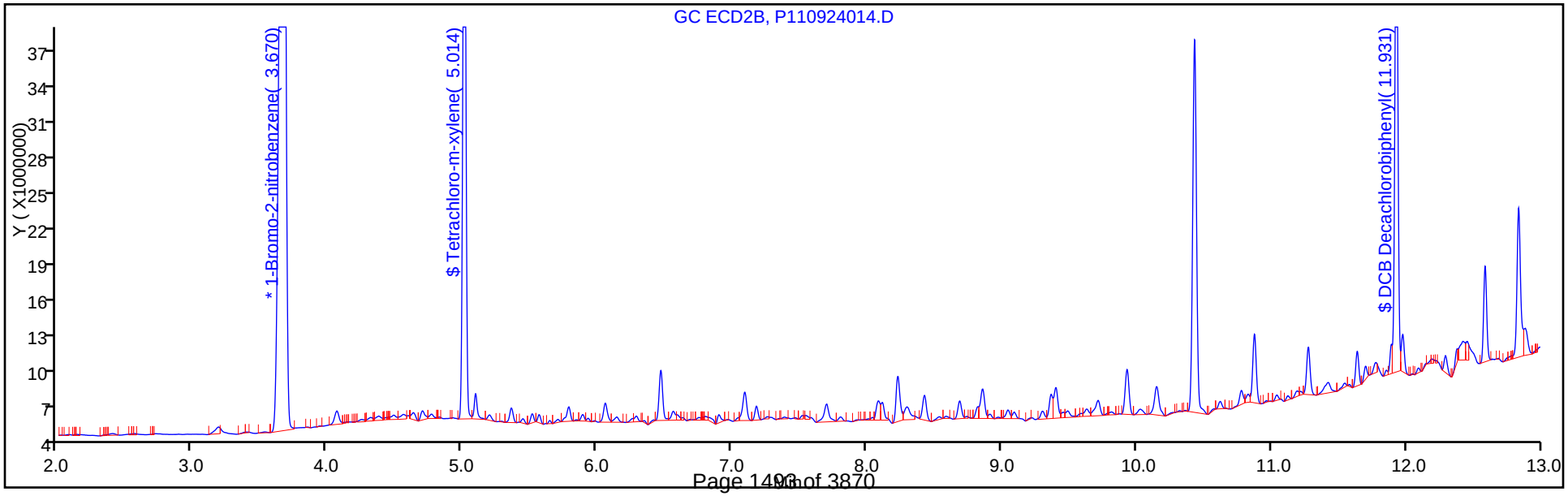
Data File: \\ChromNA\Canton\ChromData\A2HP11\20160924-58310.b\P110924014.D

Injection Date:	24-Sep-2016 15:56:19	Instrument ID:	A2HP11	Operator ID:	
Lims ID:	240-69767-B-5-A	Lab Sample ID:	240-69767-5	Worklist Smp#:	14
Client ID:	DR-SB-250-96-99				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	PCB11 IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-251-0-3 | Lab Sample ID: 240-69767-8

Matrix: Solid | Lab File ID: P100924010.D

Analysis Method: 8082A | Date Collected: 09/19/2016 14:00

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.15(g) | Date Analyzed: 09/24/2016 14:38

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 21.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	30	U	63	30
11104-28-2	Aroclor-1221	29	U	63	29
11141-16-5	Aroclor-1232	20	U	63	20
53469-21-9	Aroclor-1242	25	U	63	25
12672-29-6	Aroclor-1248	21	U	63	21
11097-69-1	Aroclor-1254	18	U	63	18
11096-82-5	Aroclor-1260	23	U	63	23
37324-23-5	Aroclor-1262	10	U	63	10
11100-14-4	Aroclor-1268	25	U	63	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	77		14-128
2051-24-3	DCB Decachlorobiphenyl	94		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924010.D
Lims ID: 240-69767-B-8-A
Client ID: DR-SB-251-0-3
Sample Type: Client
Inject. Date: 24-Sep-2016 14:38:39 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058309-010
Operator ID: Instrument ID: A2HP10

Method: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\PCB10 IS.m
Limit Group: GC 8082A IS
Last Update: 26-Sep-2016 14:07:19 Calib Date: 21-Sep-2016 03:28:26
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 13:41:06

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.787	2.794	-0.007	292602709	0.0500	
2	3.361	3.356	0.006	144660210	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.095	4.092	0.003	100572370	0.0154	
2	4.681	4.679	0.002	54442828	0.0171	
					RPD = 10.85	
3 PCB-1221						
1		4.363			ND	
1		4.554				
1		4.606				
2		5.134				
2		5.330				
2		5.410				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
5 PCB-1242						
1		4.605			ND	
1		5.071				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.553				
2		6.724				
2		7.313				
4 PCB-1232						
1		4.606			ND	
1		5.071				
1		5.664				
1		5.833				
1		6.347				
2		5.410				
2		5.963				
2		6.553				
2		6.725				
2		7.314				
6 PCB-1016						
1		4.603			ND	
1		5.070				
1		5.663				
1		5.830				
1		6.345				
2		5.408				
2		5.961				
2		6.551				
2		6.723				
2		7.313				
7 PCB-1248						
1		5.078			ND	
1		5.669				
1		6.354				
1		7.141				
1		7.609				
2		5.960				
2		6.548				
2		7.314				
2		7.834				
2		8.608				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1		6.813			ND	
1		7.134				
1		7.599				
1		7.931				
1		8.473				
2		7.826				
2		8.065				
2		8.605				
2		8.880				
2		9.504				
10 PCB-1260						
1	0.000	7.818	0.000	0	0	
1	8.146	8.148	-0.002	7894701	0.004588	
1	8.466	8.469	-0.003	8493260	0.0104	
1	9.256	9.250	0.006	13844504	0.0100	
1	9.567	9.568	-0.001	3573403	0.0105	
		Average of Peak Amounts =			0.008894	
2	0.000	8.838	0.000	0	0	
2	9.091	9.093	-0.002	3313869	0.003958	
2	9.506	9.502	0.004	7705017	0.0196	
2	0.000	10.249	0.000	0	0	
2	10.638	10.639	-0.001	5902023	0.0167	
		Average of Peak Amounts =			0.0134	
					RPD = 40.56	
9 PCB-1262						
1		7.819			ND	
1		8.608				
1		8.889				
1		9.251				
1		9.616				
2		8.838				
2		9.613				
2		9.954				
2		10.251				
2		10.638				
11 PCB-1268						
1		9.615			ND	
1		9.659				
1		9.879				
1		10.285				
1		10.589				
2		10.635				
2		10.682				
2		10.936				
2		11.222				
2		11.525				
$ 12 DCB Decachlorobiphenyl						
1	10.780	10.779	0.001	107914589	0.0189	
2	11.759	11.758	0.001	58743583	0.0209	
					RPD = 10.26	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

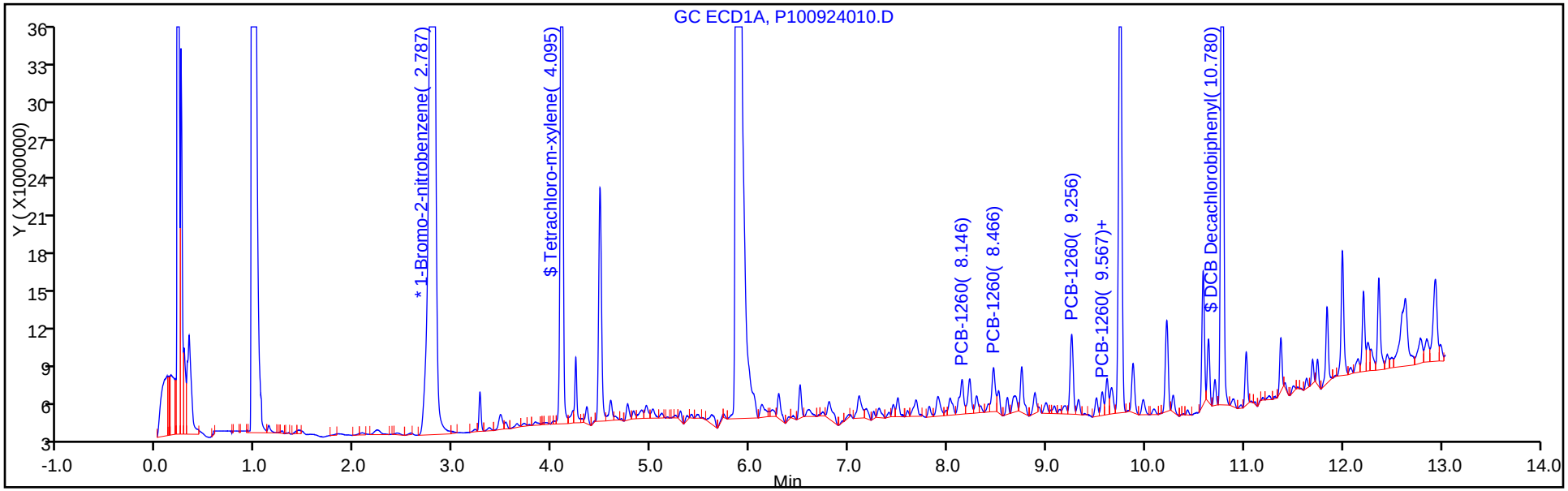
Report Date: 26-Sep-2016 14:08:28 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

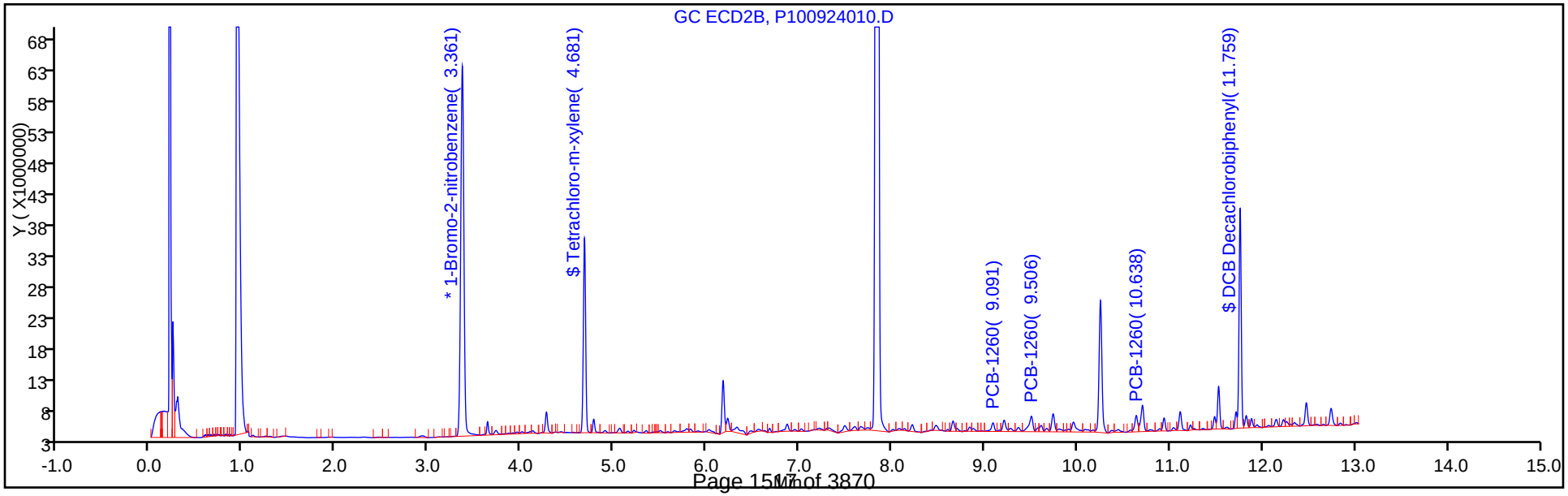
Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924010.D

Injection Date:	24-Sep-2016 14:38:39	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	240-69767-B-8-A	Lab Sample ID:	240-69767-8	Worklist Smp#:	10
Client ID:	DR-SB-251-0-3				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 14:08:28 Chrom Revision: 2.2 08-Sep-2016 14:45:52

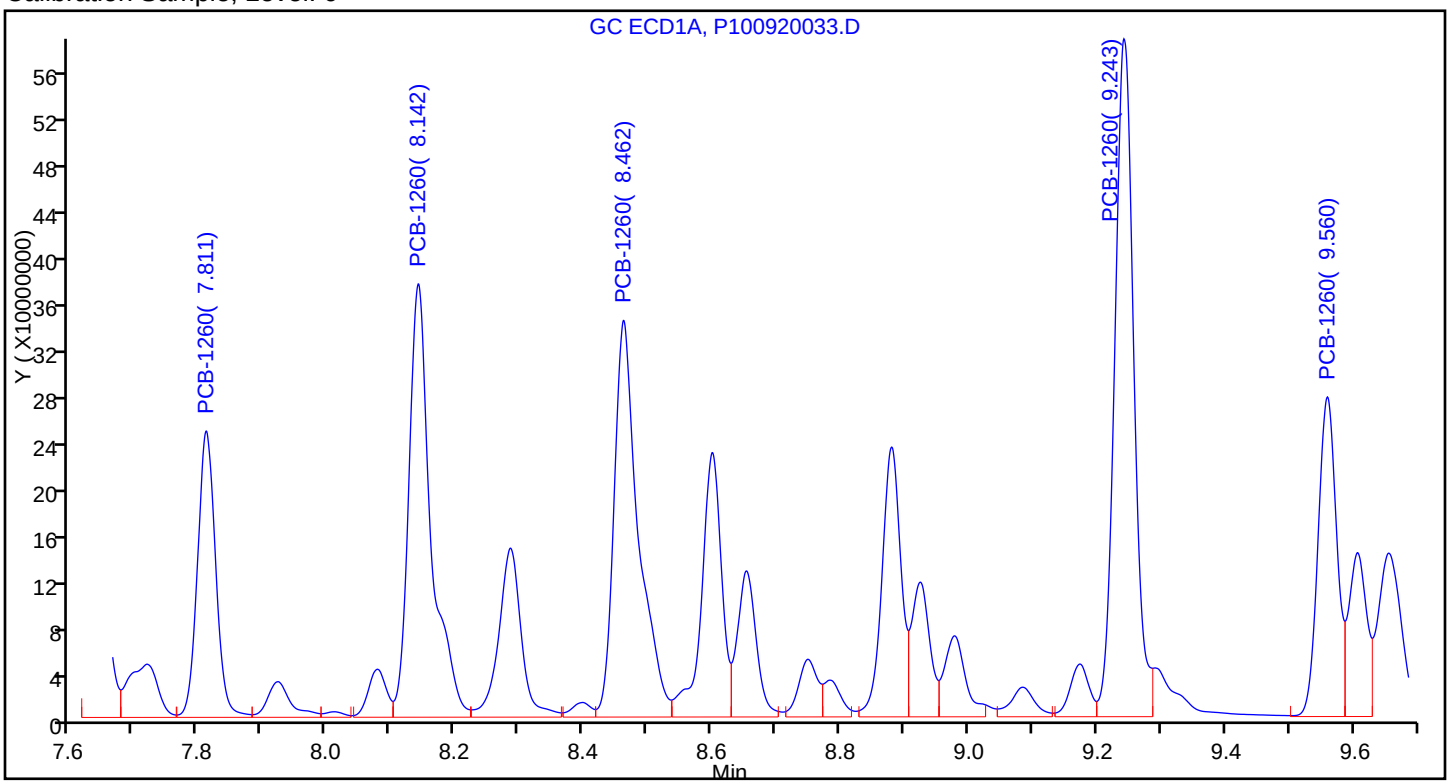
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924010.D

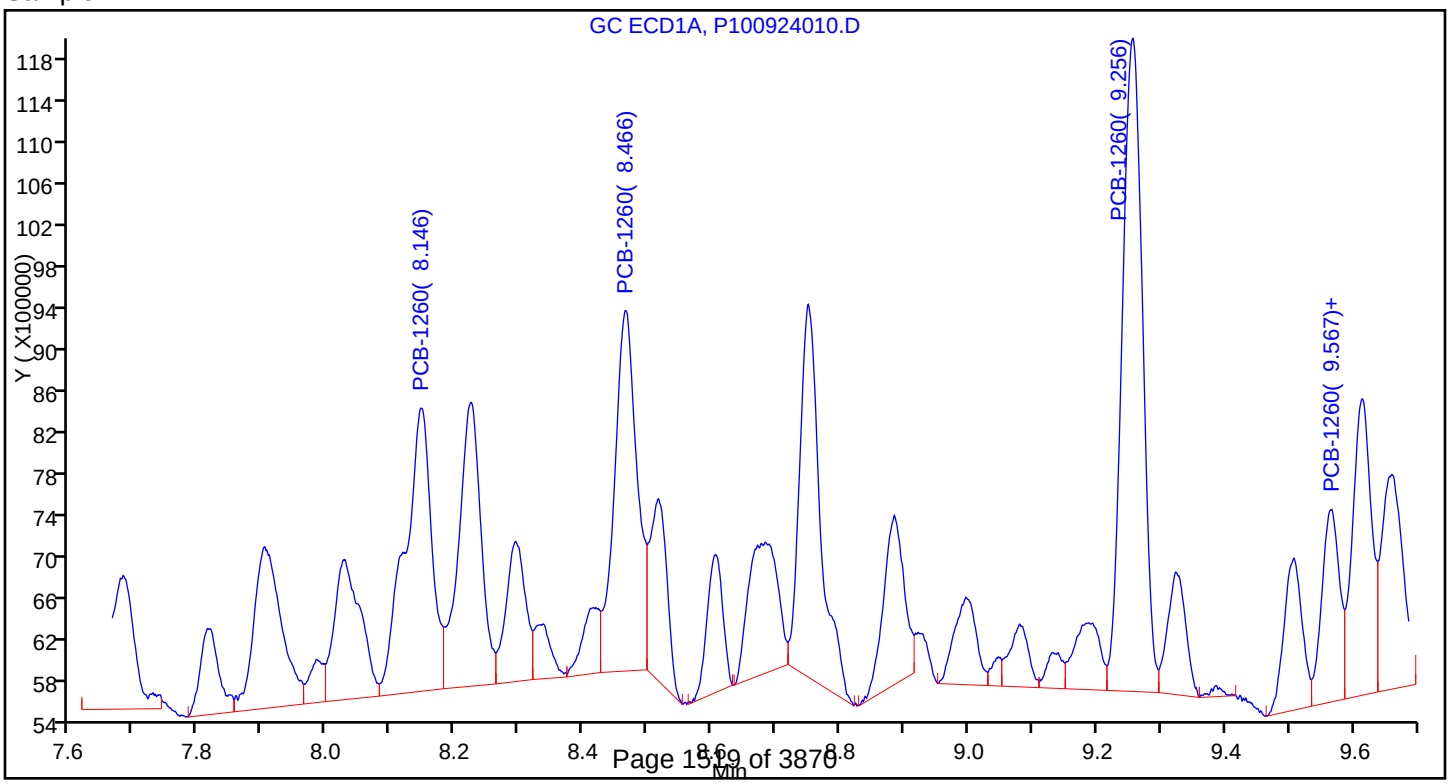
Injection Date:	24-Sep-2016 14:38:39	Instrument ID:	A2HP10		
Lims ID:	240-69767-B-8-A	Lab Sample ID:	240-69767-8		
Client ID:	DR-SB-251-0-3				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB10 IS	Limit Group:	GC 8082A IS		
Column:		Detector	GC ECD1A		

10 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-251-48-51 | Lab Sample ID: 240-69767-10

Matrix: Solid | Lab File ID: P100924012.D

Analysis Method: 8082A | Date Collected: 09/19/2016 14:05

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.10(g) | Date Analyzed: 09/24/2016 15:16

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 14.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	28	U	58	28
11104-28-2	Aroclor-1221	27	U	58	27
11141-16-5	Aroclor-1232	19	U	58	19
53469-21-9	Aroclor-1242	23	U	58	23
12672-29-6	Aroclor-1248	20	U	58	20
11097-69-1	Aroclor-1254	16	U	58	16
11096-82-5	Aroclor-1260	21	U	58	21
37324-23-5	Aroclor-1262	9.3	U	58	9.3
11100-14-4	Aroclor-1268	23	U	58	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	49		14-128
2051-24-3	DCB Decachlorobiphenyl	48		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924012.D
Lims ID: 240-69767-B-10-A
Client ID: DR-SB-251-48-51
Sample Type: Client
Inject. Date: 24-Sep-2016 15:16:23 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058309-012
Operator ID: Instrument ID: A2HP10

Method: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\PCB10 IS.m
Limit Group: GC 8082A IS
Last Update: 26-Sep-2016 14:07:19 Calib Date: 21-Sep-2016 03:28:26
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 13:43:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.796	2.794	0.002	347457674	0.0500	
2	3.368	3.356	0.012	149908704	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.097	4.092	0.005	76015992	0.009781	
2	4.683	4.679	0.004	44470160	0.0135	
					RPD = 31.97	
3 PCB-1221						
1		4.363			ND	
1		4.554				
1		4.606				
2		5.134				
2		5.330				
2		5.410				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
5 PCB-1242						
1		4.605			ND	
1		5.071				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.553				
2		6.724				
2		7.313				
4 PCB-1232						
1		4.606			ND	
1		5.071				
1		5.664				
1		5.833				
1		6.347				
2		5.410				
2		5.963				
2		6.553				
2		6.725				
2		7.314				
6 PCB-1016						
1		4.603			ND	
1		5.070				
1		5.663				
1		5.830				
1		6.345				
2		5.408				
2		5.961				
2		6.551				
2		6.723				
2		7.313				
7 PCB-1248						
1		5.078			ND	
1		5.669				
1		6.354				
1		7.141				
1		7.609				
2		5.960				
2		6.548				
2		7.314				
2		7.834				
2		8.608				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1		6.813			ND	
1		7.134				
1		7.599				
1		7.931				
1		8.473				
2		7.826				
2		8.065				
2		8.605				
2		8.880				
2		9.504				
10 PCB-1260						
1	7.815	7.818	-0.003	4162529	0.000146	
1	8.145	8.148	-0.003	7565048	0.001165	
1	8.464	8.469	-0.005	19181803	0.0276	
1	9.252	9.250	0.002	20005858	0.0149	
1	9.564	9.568	-0.004	7356513	0.0200	
		Average of Peak Amounts =			0.0128	
2	0.000	8.838	0.000	0	0	
2	9.092	9.093	-0.001	3165526	0.002157	
2	9.505	9.502	0.003	8126179	0.0203	
2	10.251	10.249	0.002	34680619	0.1071	
2	10.640	10.639	0.001	6312052	0.0177	
		Average of Peak Amounts =			0.0368	
					RPD = 96.88	
9 PCB-1262						
1		7.819			ND	
1		8.608				
1		8.889				
1		9.251				
1		9.616				
2		8.838				
2		9.613				
2		9.954				
2		10.251				
2		10.638				
11 PCB-1268						
1		9.615			ND	
1		9.659				
1		9.879				
1		10.285				
1		10.589				
2		10.635				
2		10.682				
2		10.936				
2		11.222				
2		11.525				
$ 12 DCB Decachlorobiphenyl						
1	10.779	10.779	0.000	65215847	0.009600	
2	11.758	11.758	0.000	41624251	0.0143	
					RPD = 39.28	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

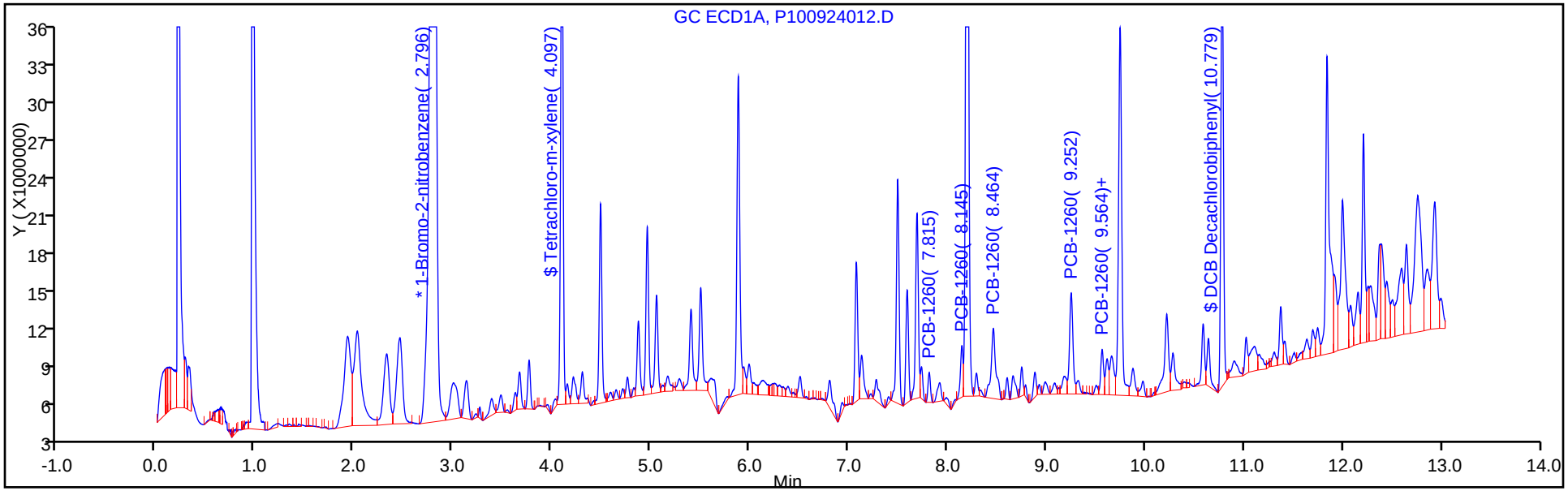
Report Date: 26-Sep-2016 14:08:22 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

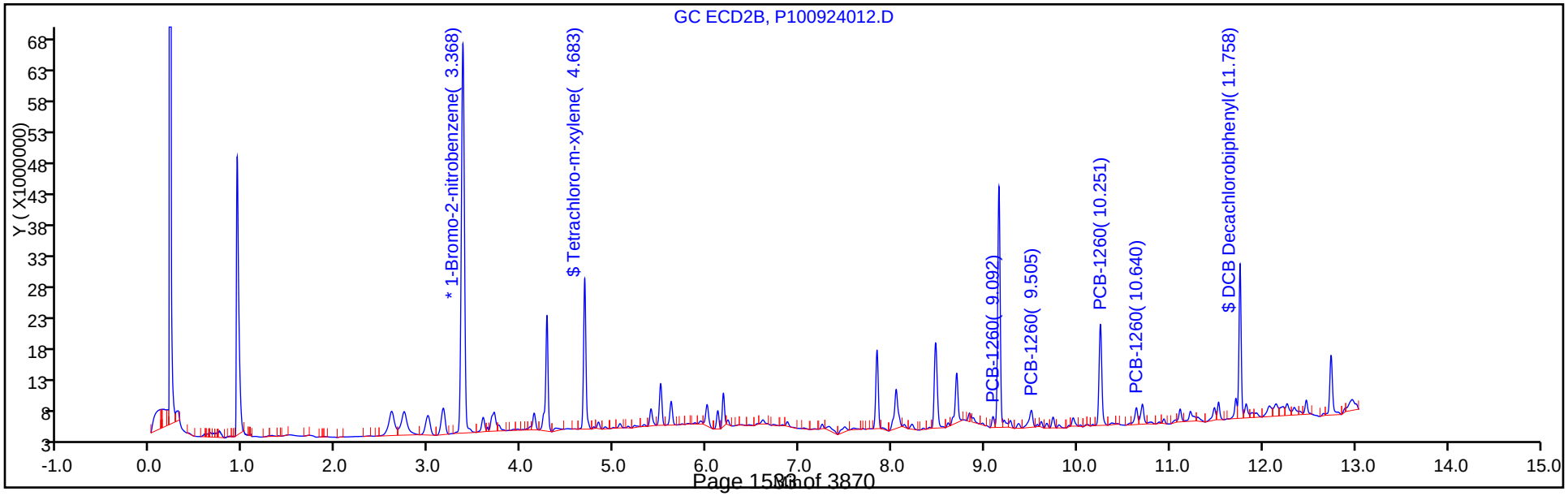
Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924012.D

Injection Date:	24-Sep-2016 15:16:23	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	240-69767-B-10-A	Lab Sample ID:	240-69767-10	Worklist Smp#:	12
Client ID:	DR-SB-251-48-51				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 14:08:23 Chrom Revision: 2.2 08-Sep-2016 14:45:52

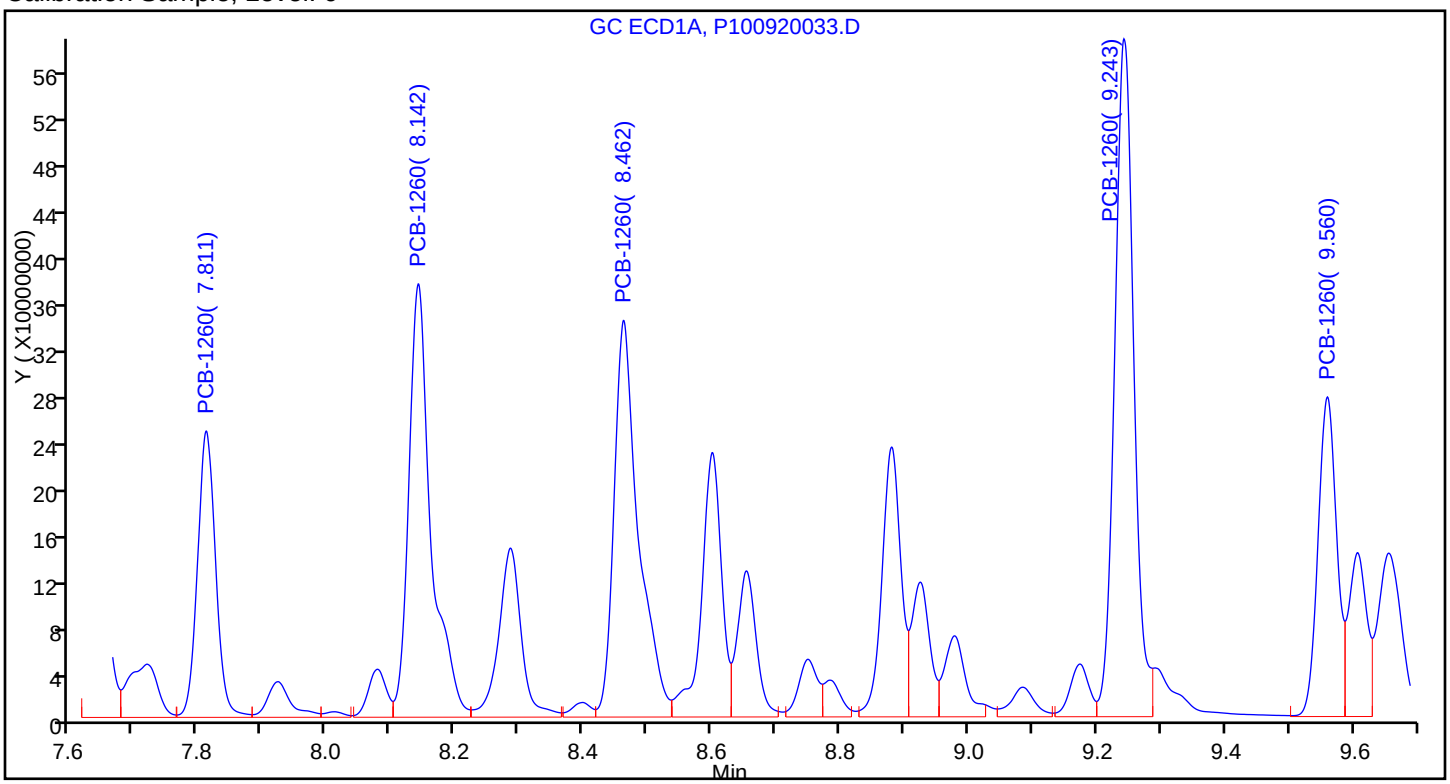
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924012.D

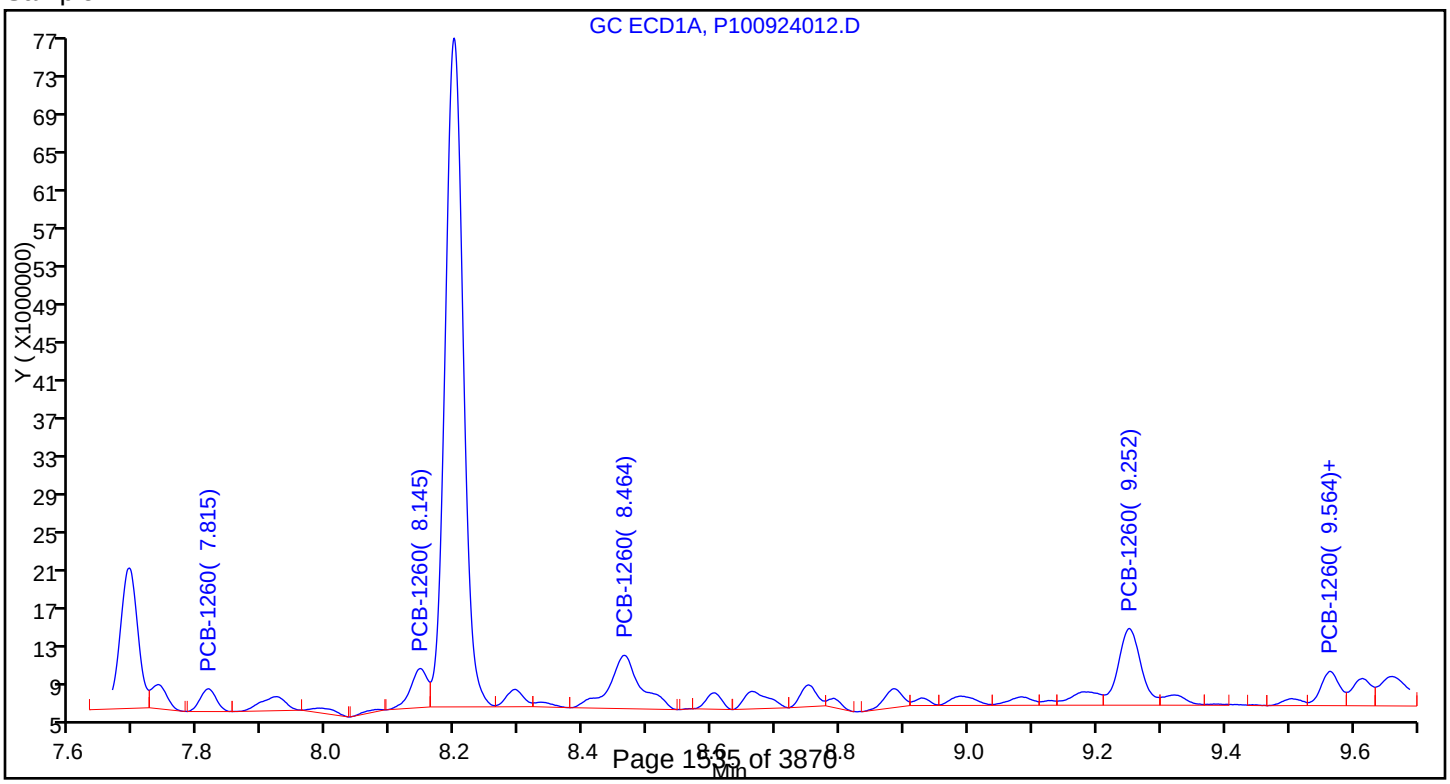
Injection Date:	24-Sep-2016 15:16:23	Instrument ID:	A2HP10		
Lims ID:	240-69767-B-10-A	Lab Sample ID:	240-69767-10		
Client ID:	DR-SB-251-48-51				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB10 IS	Limit Group:	GC 8082A IS		
Column:		Detector	GC ECD1A		

10 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-251-72-75 | Lab Sample ID: 240-69767-11

Matrix: Solid | Lab File ID: P100924013.D

Analysis Method: 8082A | Date Collected: 09/19/2016 14:07

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.12(g) | Date Analyzed: 09/24/2016 15:35

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 14.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	28	U	58	28
11104-28-2	Aroclor-1221	27	U	58	27
11141-16-5	Aroclor-1232	18	U	58	18
53469-21-9	Aroclor-1242	23	U	58	23
12672-29-6	Aroclor-1248	20	U	58	20
11097-69-1	Aroclor-1254	16	U	58	16
11096-82-5	Aroclor-1260	21	U	58	21
37324-23-5	Aroclor-1262	9.2	U	58	9.2
11100-14-4	Aroclor-1268	23	U	58	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	77		14-128
2051-24-3	DCB Decachlorobiphenyl	82		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924013.D
Lims ID: 240-69767-B-11-A
Client ID: DR-SB-251-72-75
Sample Type: Client
Inject. Date: 24-Sep-2016 15:35:22 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058309-013
Operator ID: Instrument ID: A2HP10

Method: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\PCB10 IS.m
Limit Group: GC 8082A IS
Last Update: 26-Sep-2016 14:07:19 Calib Date: 21-Sep-2016 03:28:26
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 13:44:55

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.756	2.794	-0.038	186127027	0.0500	
2	3.345	3.356	-0.011	99190175	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.086	4.092	-0.006	63737207	0.0153	
2	4.675	4.679	-0.004	33715967	0.0155	
					RPD = 1.05	
3 PCB-1221						
1		4.363			ND	
1		4.554				
1		4.606				
2		5.134				
2		5.330				
2		5.410				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
5 PCB-1242						
1		4.605			ND	
1		5.071				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.553				
2		6.724				
2		7.313				
4 PCB-1232						
1		4.606			ND	
1		5.071				
1		5.664				
1		5.833				
1		6.347				
2		5.410				
2		5.963				
2		6.553				
2		6.725				
2		7.314				
6 PCB-1016						
1		4.603			ND	
1		5.070				
1		5.663				
1		5.830				
1		6.345				
2		5.408				
2		5.961				
2		6.551				
2		6.723				
2		7.313				
7 PCB-1248						
1		5.078			ND	
1		5.669				
1		6.354				
1		7.141				
1		7.609				
2		5.960				
2		6.548				
2		7.314				
2		7.834				
2		8.608				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1		6.813			ND	
1		7.134				
1		7.599				
1		7.931				
1		8.473				
2		7.826				
2		8.065				
2		8.605				
2		8.880				
2		9.504				
10 PCB-1260						
1		7.818			ND	
1		8.148				
1		8.469				
1		9.250				
1		9.568				
2		8.838				
2		9.093				
2		9.502				
2		10.249				
2		10.639				
9 PCB-1262						
1		7.819			ND	
1		8.608				
1		8.889				
1		9.251				
1		9.616				
2		8.838				
2		9.613				
2		9.954				
2		10.251				
2		10.638				
11 PCB-1268						
1		9.615			ND	
1		9.659				
1		9.879				
1		10.285				
1		10.589				
2		10.635				
2		10.682				
2		10.936				
2		11.222				
2		11.525				
$ 12 DCB Decachlorobiphenyl						
1	10.780	10.779	0.001	59954056	0.0165	
2	11.758	11.758	0.000	35853102	0.0186	
					RPD = 12.15	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

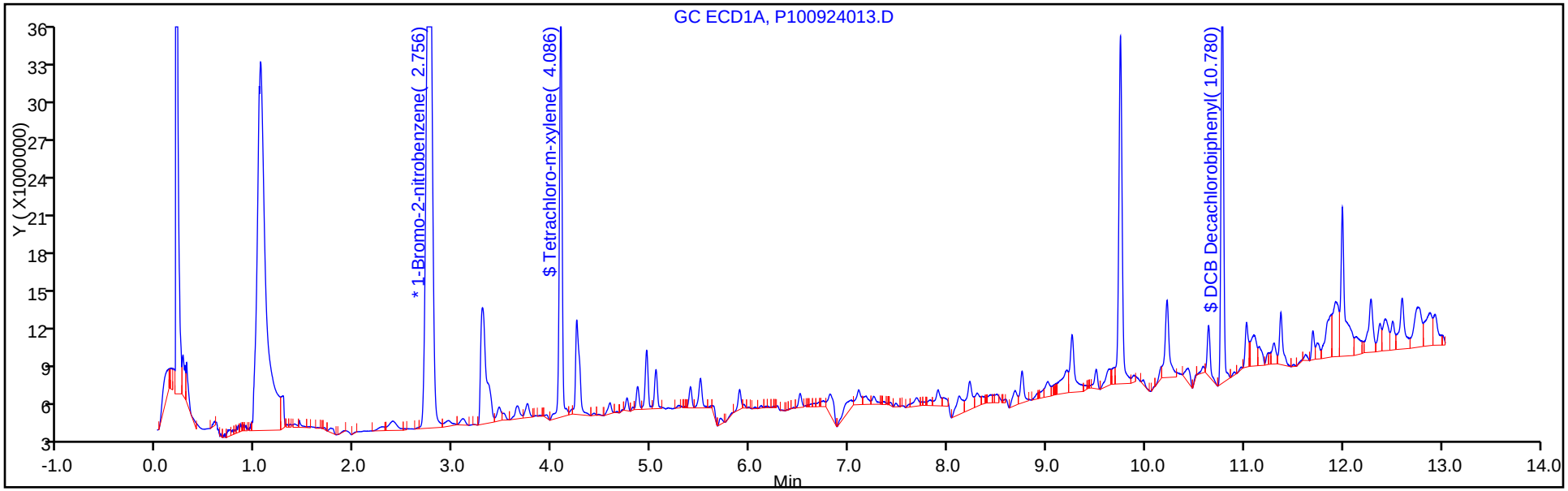
Report Date: 26-Sep-2016 14:08:20 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

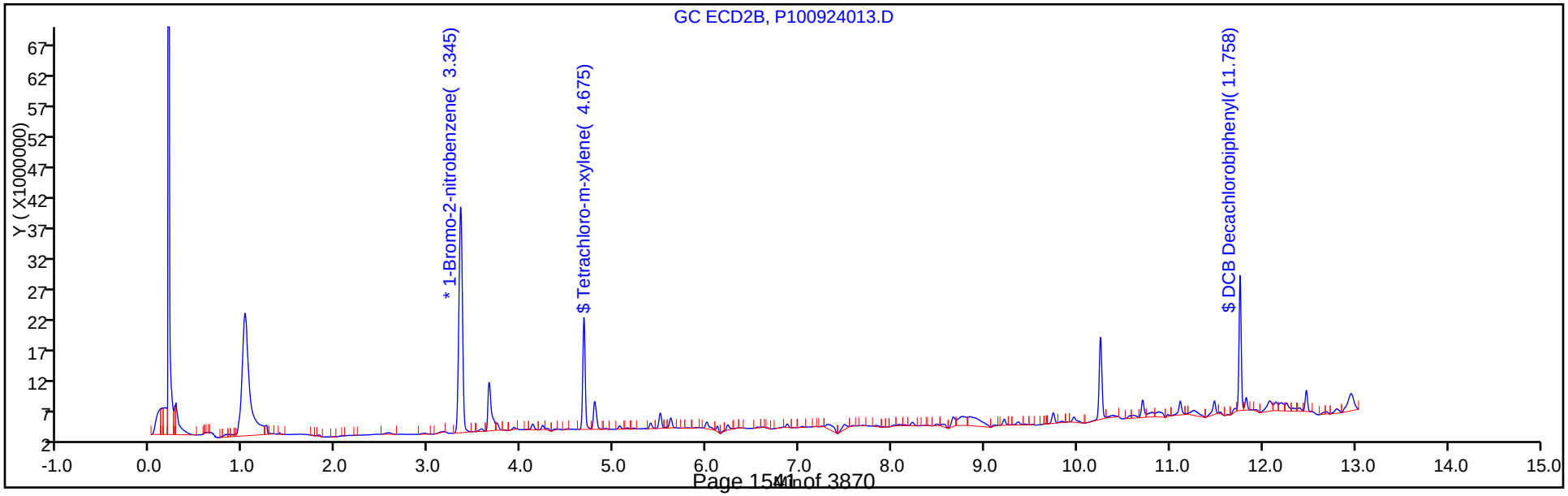
Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924013.D

Injection Date:	24-Sep-2016 15:35:22	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	240-69767-B-11-A	Lab Sample ID:	240-69767-11	Worklist Smp#:	13
Client ID:	DR-SB-251-72-75				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-251-96-99 | Lab Sample ID: 240-69767-12

Matrix: Solid | Lab File ID: P100924014.D

Analysis Method: 8082A | Date Collected: 09/19/2016 14:10

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.16(g) | Date Analyzed: 09/24/2016 15:54

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 7.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	25	U	53	25
11104-28-2	Aroclor-1221	24	U	53	24
11141-16-5	Aroclor-1232	17	U	53	17
53469-21-9	Aroclor-1242	21	U	53	21
12672-29-6	Aroclor-1248	18	U	53	18
11097-69-1	Aroclor-1254	15	U	53	15
11096-82-5	Aroclor-1260	19	U	53	19
37324-23-5	Aroclor-1262	8.5	U	53	8.5
11100-14-4	Aroclor-1268	21	U	53	21

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	45		14-128
2051-24-3	DCB Decachlorobiphenyl	50		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924014.D
Lims ID: 240-69767-B-12-A
Client ID: DR-SB-251-96-99
Sample Type: Client
Inject. Date: 24-Sep-2016 15:54:12 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058309-014
Operator ID: Instrument ID: A2HP10

Method: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\PCB10 IS.m
Limit Group: GC 8082A IS
Last Update: 26-Sep-2016 14:07:19 Calib Date: 21-Sep-2016 03:28:26
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.797	2.794	0.002	288355408	0.0500	
2	3.367	3.356	0.012	153556819	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.097	4.092	0.005	57688629	0.008944	
2	4.682	4.679	0.003	30609591	0.009074	
					RPD = 1.43	
3 PCB-1221						
1		4.363			ND	
1		4.554				
1		4.606				
2		5.134				
2		5.330				
2		5.410				
5 PCB-1242						
1		4.605			ND	
1		5.071				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.553				
2		6.724				
2		7.313				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.606			ND	
1		5.071				
1		5.664				
1		5.833				
1		6.347				
2		5.410				
2		5.963				
2		6.553				
2		6.725				
2		7.314				
6 PCB-1016						
1		4.603			ND	
1		5.070				
1		5.663				
1		5.830				
1		6.345				
2		5.408				
2		5.961				
2		6.551				
2		6.723				
2		7.313				
7 PCB-1248						
1		5.078			ND	
1		5.669				
1		6.354				
1		7.141				
1		7.609				
2		5.960				
2		6.548				
2		7.314				
2		7.834				
2		8.608				
8 PCB-1254						
1		6.813			ND	
1		7.134				
1		7.599				
1		7.931				
1		8.473				
2		7.826				
2		8.065				
2		8.605				
2		8.880				
2		9.504				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
10 PCB-1260						
1		7.818			ND	
1		8.148				
1		8.469				
1		9.250				
1		9.568				
2		8.838				
2		9.093				
2		9.502				
2		10.249				
2		10.639				
9 PCB-1262						
1		7.819			ND	
1		8.608				
1		8.889				
1		9.251				
1		9.616				
2		8.838				
2		9.613				
2		9.954				
2		10.251				
2		10.638				
11 PCB-1268						
1		9.615			ND	
1		9.659				
1		9.879				
1		10.285				
1		10.589				
2		10.635				
2		10.682				
2		10.936				
2		11.222				
2		11.525				
$ 12 DCB Decachlorobiphenyl						
1	10.779	10.779	0.000	56303870	0.0100	
2	11.757	11.758	-0.001	37587329	0.0126	
					RPD = 23.14	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

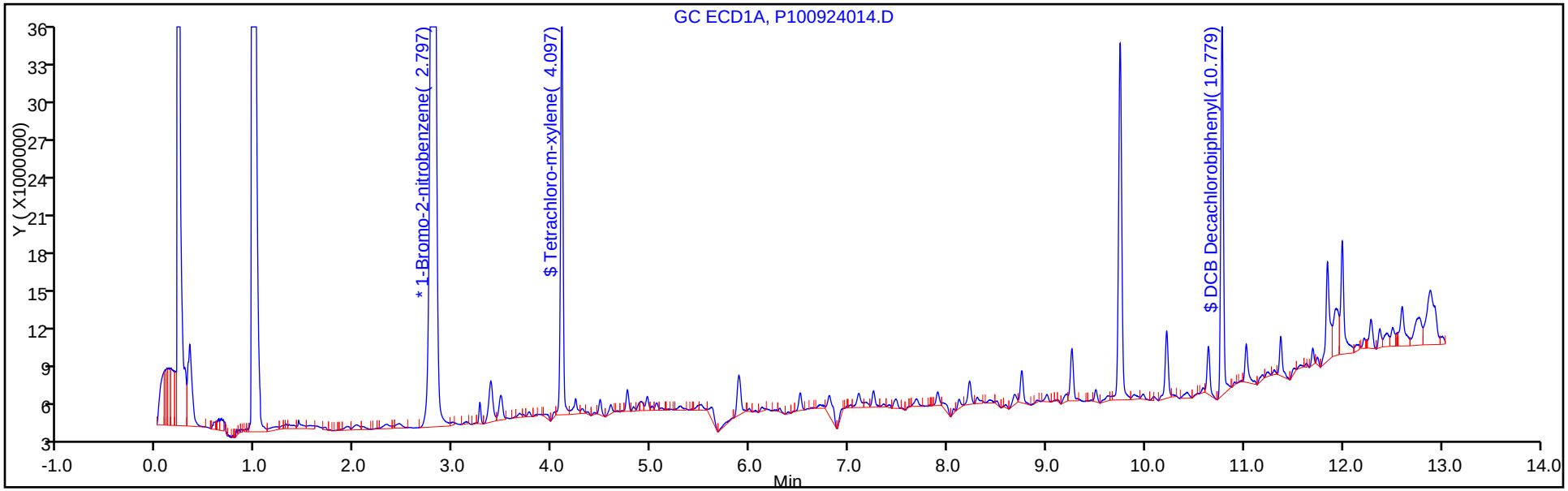
Report Date: 26-Sep-2016 14:08:17 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

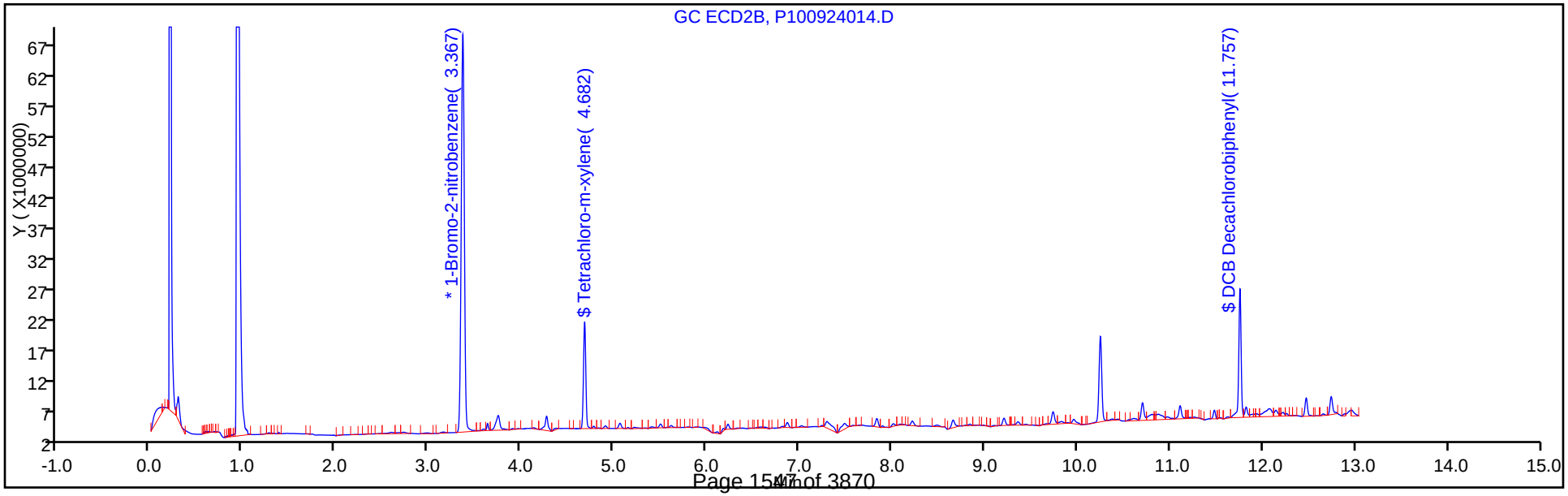
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Injection Date:	24-Sep-2016 15:54:12	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	240-69767-B-12-A	Lab Sample ID:	240-69767-12	Worklist Smp#:	14
Client ID:	DR-SB-251-96-99				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-251-144-145 | Lab Sample ID: 240-69767-14

Matrix: Solid | Lab File ID: P100924016.D

Analysis Method: 8082A | Date Collected: 09/19/2016 14:15

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.08(g) | Date Analyzed: 09/24/2016 16:31

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 14.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	28	U	58	28
11104-28-2	Aroclor-1221	27	U	58	27
11141-16-5	Aroclor-1232	19	U	58	19
53469-21-9	Aroclor-1242	23	U	58	23
12672-29-6	Aroclor-1248	20	U	58	20
11097-69-1	Aroclor-1254	16	U	58	16
11096-82-5	Aroclor-1260	21	U	58	21
37324-23-5	Aroclor-1262	9.3	U	58	9.3
11100-14-4	Aroclor-1268	23	U	58	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	62		14-128
2051-24-3	DCB Decachlorobiphenyl	43		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924016.D
Lims ID: 240-69767-B-14-A
Client ID: DR-SB-251-144-145
Sample Type: Client
Inject. Date: 24-Sep-2016 16:31:54 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058309-016
Operator ID: Instrument ID: A2HP10

Method: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\PCB10 IS.m
Limit Group: GC 8082A IS
Last Update: 26-Sep-2016 14:07:19 Calib Date: 21-Sep-2016 03:28:26
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 13:46:12

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.793	2.794	-0.001	267645304	0.0500	
2	3.367	3.356	0.011	148072692	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.096	4.092	0.004	73746760	0.0123	
2	4.683	4.679	0.004	44513146	0.0137	
					RPD = 10.50	
3 PCB-1221						
1		4.363			ND	
1		4.554				
1		4.606				
2		5.134				
2		5.330				
2		5.410				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
5 PCB-1242						
1		4.605			ND	
1		5.071				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.553				
2		6.724				
2		7.313				
4 PCB-1232						
1		4.606			ND	
1		5.071				
1		5.664				
1		5.833				
1		6.347				
2		5.410				
2		5.963				
2		6.553				
2		6.725				
2		7.314				
6 PCB-1016						
1		4.603			ND	
1		5.070				
1		5.663				
1		5.830				
1		6.345				
2		5.408				
2		5.961				
2		6.551				
2		6.723				
2		7.313				
7 PCB-1248						
1		5.078			ND	
1		5.669				
1		6.354				
1		7.141				
1		7.609				
2		5.960				
2		6.548				
2		7.314				
2		7.834				
2		8.608				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1		6.813			ND	
1		7.134				
1		7.599				
1		7.931				
1		8.473				
2		7.826				
2		8.065				
2		8.605				
2		8.880				
2		9.504				
10 PCB-1260						
1		7.818			ND	
1		8.148				
1		8.469				
1		9.250				
1		9.568				
2		8.838				
2		9.093				
2		9.502				
2		10.249				
2		10.639				
9 PCB-1262						
1		7.819			ND	
1		8.608				
1		8.889				
1		9.251				
1		9.616				
2		8.838				
2		9.613				
2		9.954				
2		10.251				
2		10.638				
11 PCB-1268						
1		9.615			ND	
1		9.659				
1		9.879				
1		10.285				
1		10.589				
2		10.635				
2		10.682				
2		10.936				
2		11.222				
2		11.525				
$ 12 DCB Decachlorobiphenyl						
1	10.780	10.779	0.001	44797086	0.008561	
2	11.758	11.758	0.000	28348296	0.009855	
					RPD = 14.05	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

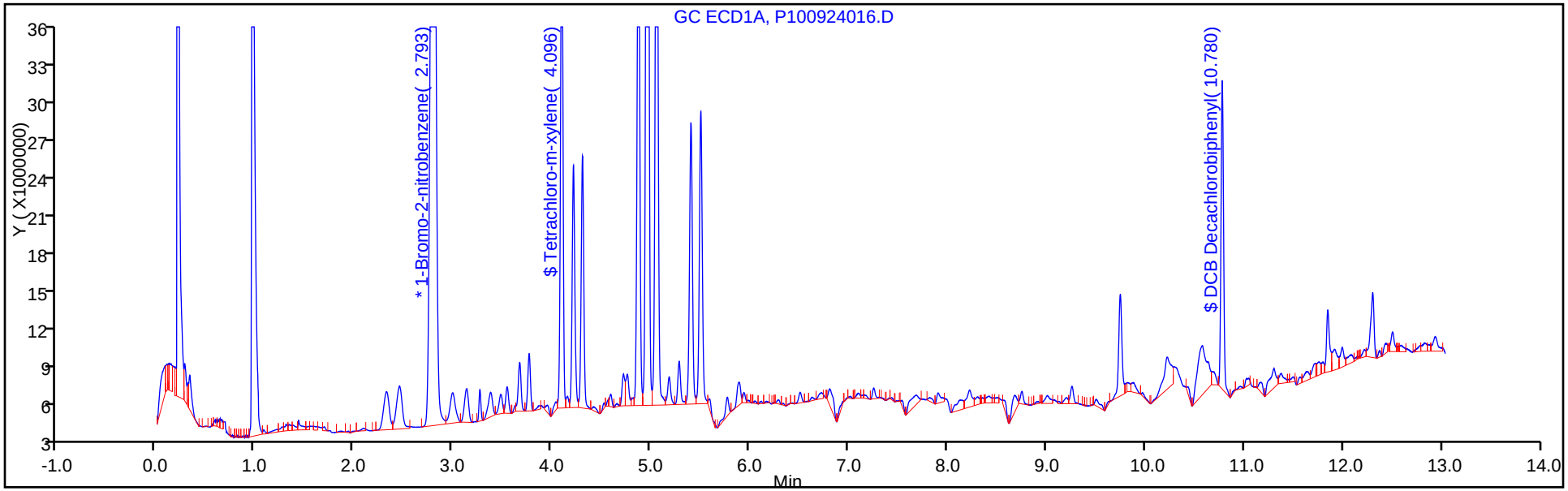
Report Date: 26-Sep-2016 14:08:10 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

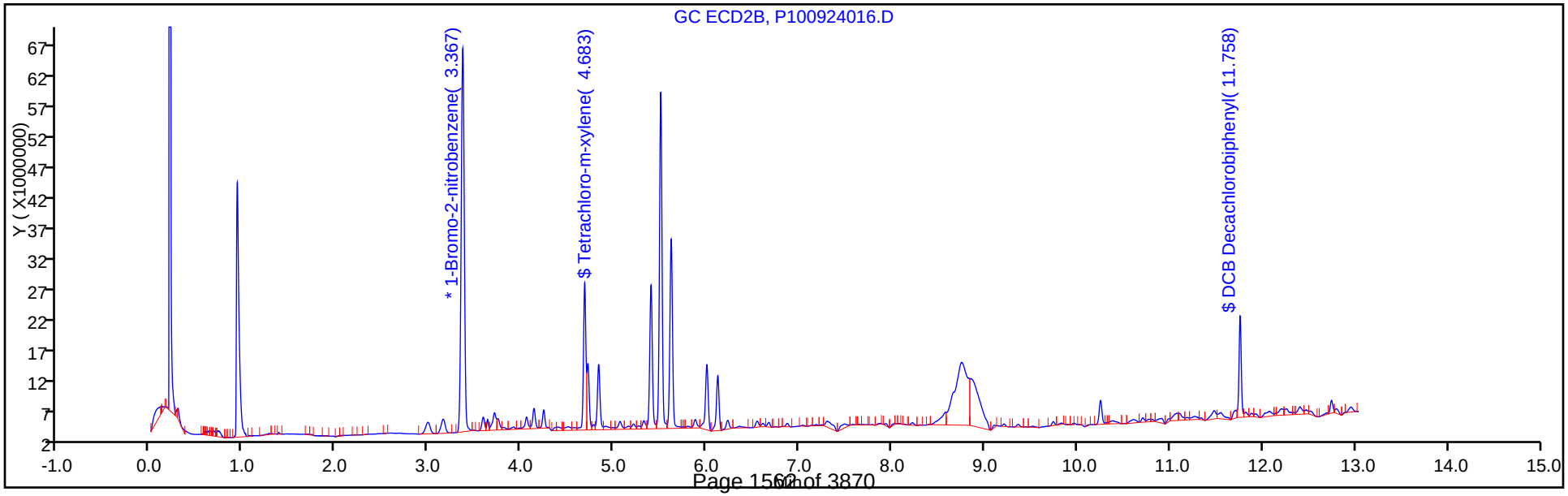
Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924016.D

Injection Date:	24-Sep-2016 16:31:54	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	240-69767-B-14-A	Lab Sample ID:	240-69767-14	Worklist Smp#:	16
Client ID:	DR-SB-251-144-145				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-252-0-3 | Lab Sample ID: 240-69767-15

Matrix: Solid | Lab File ID: P100924017.D

Analysis Method: 8082A | Date Collected: 09/20/2016 09:50

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.08(g) | Date Analyzed: 09/24/2016 16:50

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 11.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	56	27
11104-28-2	Aroclor-1221	26	U	56	26
11141-16-5	Aroclor-1232	18	U	56	18
53469-21-9	Aroclor-1242	22	U	56	22
12672-29-6	Aroclor-1248	19	U	56	19
11097-69-1	Aroclor-1254	16	U	56	16
11096-82-5	Aroclor-1260	20	U	56	20
37324-23-5	Aroclor-1262	8.9	U	56	8.9
11100-14-4	Aroclor-1268	22	U	56	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	53		14-128
2051-24-3	DCB Decachlorobiphenyl	65		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924017.D
Lims ID: 240-69767-B-15-A
Client ID: DR-SB-252-0-3
Sample Type: Client
Inject. Date: 24-Sep-2016 16:50:53 ALS Bottle#: 17 Worklist Smp#: 17
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058309-017
Operator ID: Instrument ID: A2HP10

Method: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\PCB10 IS.m
Limit Group: GC 8082A IS
Last Update: 26-Sep-2016 14:07:19 Calib Date: 21-Sep-2016 03:28:26
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 13:47:39

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.801	2.794	0.007	284908566	0.0500	
2	3.370	3.356	0.014	157035203	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.098	4.092	0.006	68087607	0.0107	
2	4.684	4.679	0.005	36931915	0.0107	
					RPD = 0.19	
3 PCB-1221						
1		4.363			ND	
1		4.554				
1		4.606				
2		5.134				
2		5.330				
2		5.410				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
5 PCB-1242						
1		4.605			ND	
1		5.071				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.553				
2		6.724				
2		7.313				
4 PCB-1232						
1		4.606			ND	
1		5.071				
1		5.664				
1		5.833				
1		6.347				
2		5.410				
2		5.963				
2		6.553				
2		6.725				
2		7.314				
6 PCB-1016						
1		4.603			ND	
1		5.070				
1		5.663				
1		5.830				
1		6.345				
2		5.408				
2		5.961				
2		6.551				
2		6.723				
2		7.313				
7 PCB-1248						
1		5.078			ND	
1		5.669				
1		6.354				
1		7.141				
1		7.609				
2		5.960				
2		6.548				
2		7.314				
2		7.834				
2		8.608				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1		6.813			ND	
1		7.134				
1		7.599				
1		7.931				
1		8.473				
2		7.826				
2		8.065				
2		8.605				
2		8.880				
2		9.504				
10 PCB-1260						
1		7.818			ND	
1		8.148				
1		8.469				
1		9.250				
1		9.568				
2		8.838				
2		9.093				
2		9.502				
2		10.249				
2		10.639				
9 PCB-1262						
1		7.819			ND	
1		8.608				
1		8.889				
1		9.251				
1		9.616				
2		8.838				
2		9.613				
2		9.954				
2		10.251				
2		10.638				
11 PCB-1268						
1		9.615			ND	
1		9.659				
1		9.879				
1		10.285				
1		10.589				
2		10.635				
2		10.682				
2		10.936				
2		11.222				
2		11.525				
$ 12 DCB Decachlorobiphenyl						
1	10.779	10.779	0.000	71929762	0.0129	
2	11.758	11.758	0.000	43744855	0.0143	
					RPD = 10.47	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

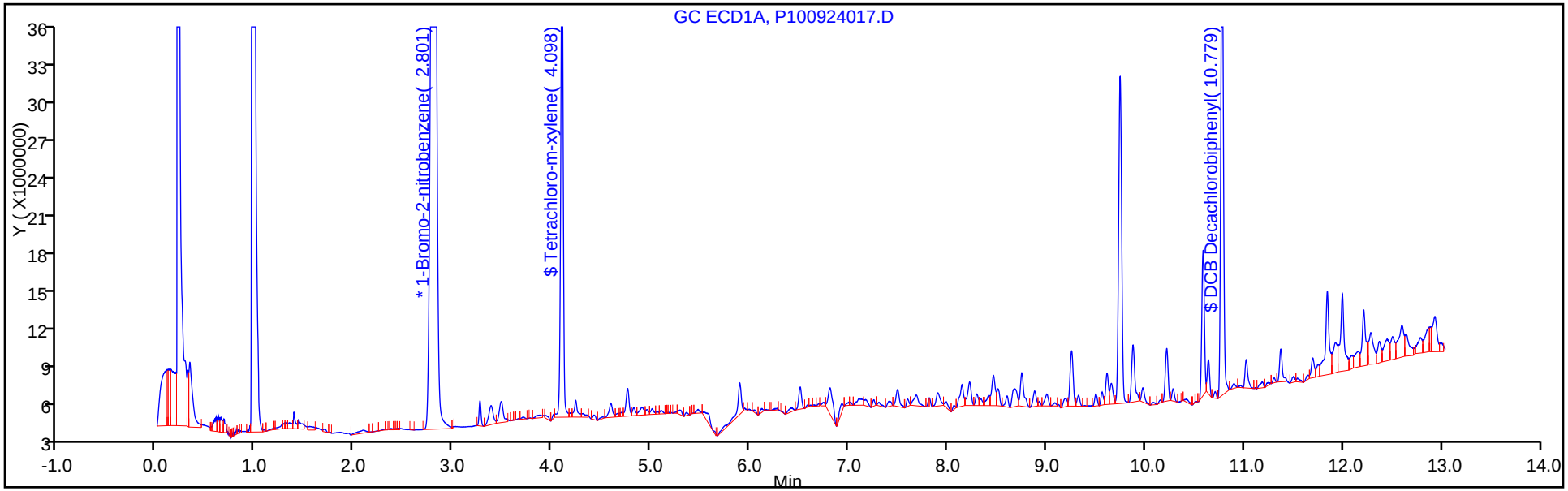
Report Date: 26-Sep-2016 14:08:07 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

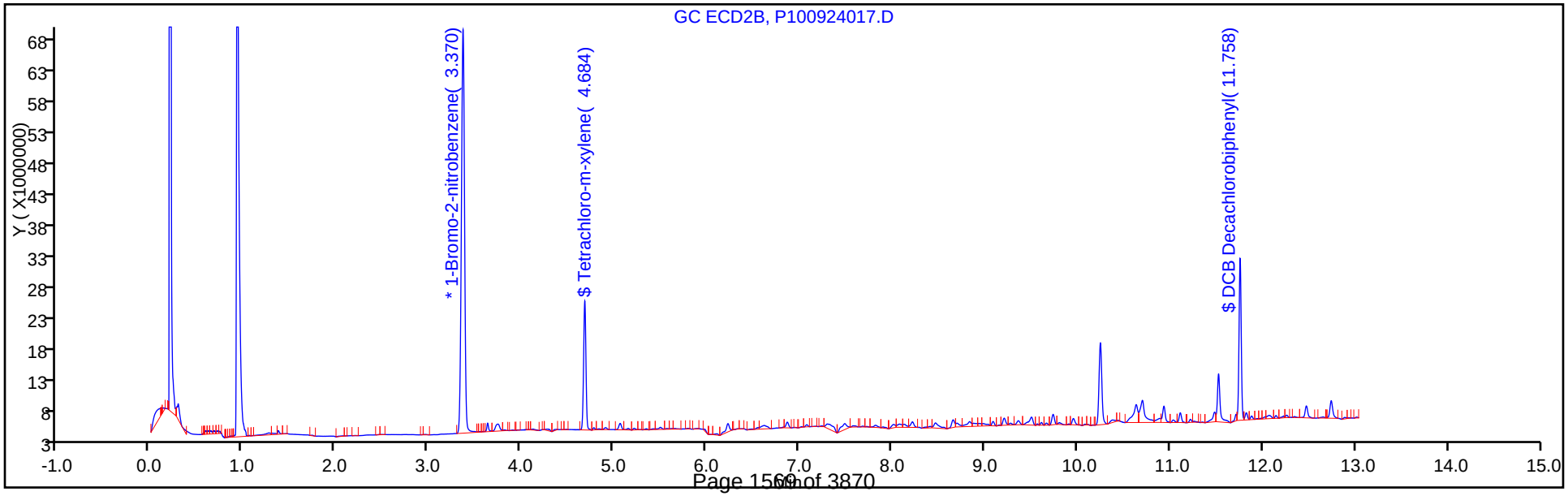
Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924017.D

Injection Date:	24-Sep-2016 16:50:53	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	240-69767-B-15-A	Lab Sample ID:	240-69767-15	Worklist Smp#:	17
Client ID:	DR-SB-252-0-3				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-252-96-99 | Lab Sample ID: 240-69767-19

Matrix: Solid | Lab File ID: P100924021.D

Analysis Method: 8082A | Date Collected: 09/20/2016 09:54

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.15(g) | Date Analyzed: 09/24/2016 18:06

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 7.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	25	U	53	25
11104-28-2	Aroclor-1221	24	U	53	24
11141-16-5	Aroclor-1232	17	U	53	17
53469-21-9	Aroclor-1242	21	U	53	21
12672-29-6	Aroclor-1248	18	U	53	18
11097-69-1	Aroclor-1254	15	U	53	15
11096-82-5	Aroclor-1260	19	U	53	19
37324-23-5	Aroclor-1262	8.5	U	53	8.5
11100-14-4	Aroclor-1268	21	U	53	21

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	82		14-128
2051-24-3	DCB Decachlorobiphenyl	13		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924021.D
Lims ID: 240-69767-B-19-A
Client ID: DR-SB-252-96-99
Sample Type: Client
Inject. Date: 24-Sep-2016 18:06:23 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058309-021
Operator ID: Instrument ID: A2HP10

Method: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\PCB10 IS.m
Limit Group: GC 8082A IS
Last Update: 26-Sep-2016 14:07:19 Calib Date: 21-Sep-2016 03:28:26
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 13:50:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.798	2.794	0.003	226747888	0.0500	
2	3.368	3.356	0.012	128657687	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.098	4.092	0.006	83562626	0.0165	
2	4.684	4.679	0.005	46660931	0.0165	
					RPD = 0.19	
3 PCB-1221						
1		4.363			ND	
1		4.554				
1		4.606				
2		5.134				
2		5.330				
2		5.410				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
5 PCB-1242						
1		4.605			ND	
1		5.071				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.553				
2		6.724				
2		7.313				
4 PCB-1232						
1		4.606			ND	
1		5.071				
1		5.664				
1		5.833				
1		6.347				
2		5.410				
2		5.963				
2		6.553				
2		6.725				
2		7.314				
6 PCB-1016						
1		4.603			ND	
1		5.070				
1		5.663				
1		5.830				
1		6.345				
2		5.408				
2		5.961				
2		6.551				
2		6.723				
2		7.313				
7 PCB-1248						
1		5.078			ND	
1		5.669				
1		6.354				
1		7.141				
1		7.609				
2		5.960				
2		6.548				
2		7.314				
2		7.834				
2		8.608				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1		6.813			ND	
1		7.134				
1		7.599				
1		7.931				
1		8.473				
2		7.826				
2		8.065				
2		8.605				
2		8.880				
2		9.504				
10 PCB-1260						
1		7.818			ND	
1		8.148				
1		8.469				
1		9.250				
1		9.568				
2		8.838				
2		9.093				
2		9.502				
2		10.249				
2		10.639				
9 PCB-1262						
1		7.819			ND	
1		8.608				
1		8.889				
1		9.251				
1		9.616				
2		8.838				
2		9.613				
2		9.954				
2		10.251				
2		10.638				
11 PCB-1268						
1		9.615			ND	
1		9.659				
1		9.879				
1		10.285				
1		10.589				
2		10.635				
2		10.682				
2		10.936				
2		11.222				
2		11.525				
$ 12 DCB Decachlorobiphenyl						
1	10.781	10.779	0.002	11802501	0.002662	
2	11.759	11.758	0.001	5530401	0.002213	
					RPD = 18.45	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

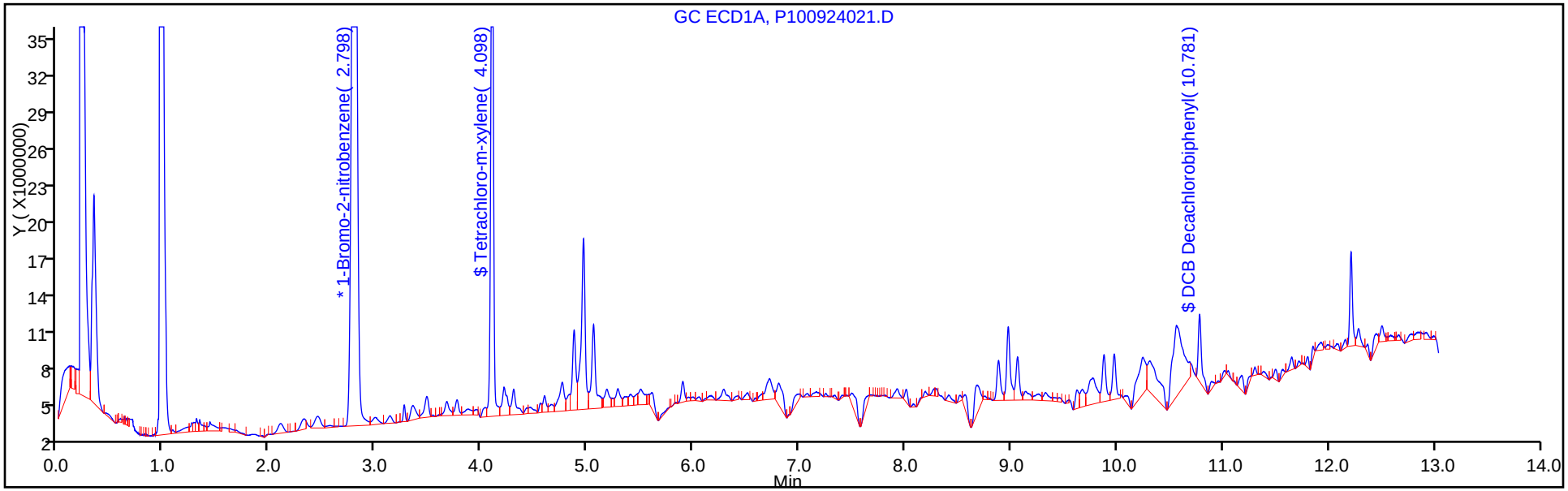
Report Date: 26-Sep-2016 14:07:53 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

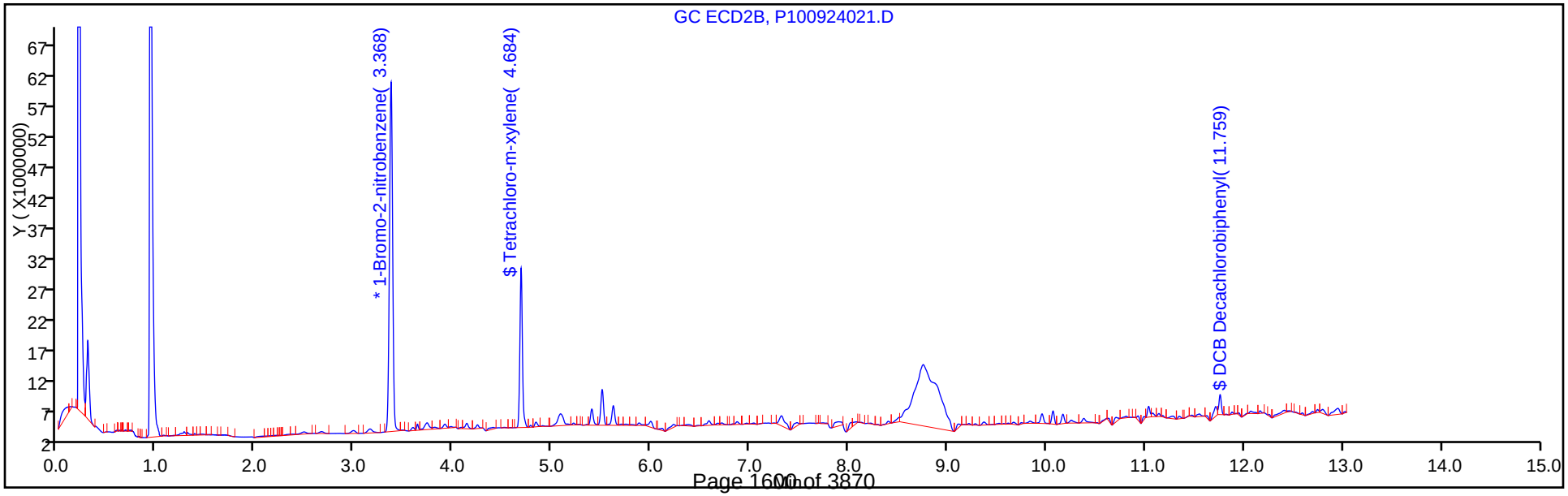
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Injection Date:	24-Sep-2016 18:06:23	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	240-69767-B-19-A	Lab Sample ID:	240-69767-19	Worklist Smp#:	21
Client ID:	DR-SB-252-96-99				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-252-144-145 | Lab Sample ID: 240-69767-21

Matrix: Solid | Lab File ID: P100924023.D

Analysis Method: 8082A | Date Collected: 09/20/2016 09:56

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.11(g) | Date Analyzed: 09/24/2016 18:44

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 12.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	57	27
11104-28-2	Aroclor-1221	26	U	57	26
11141-16-5	Aroclor-1232	18	U	57	18
53469-21-9	Aroclor-1242	23	U	57	23
12672-29-6	Aroclor-1248	19	U	57	19
11097-69-1	Aroclor-1254	16	U	57	16
11096-82-5	Aroclor-1260	20	U	57	20
37324-23-5	Aroclor-1262	9.1	U	57	9.1
11100-14-4	Aroclor-1268	23	U	57	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		14-128
2051-24-3	DCB Decachlorobiphenyl	62		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924023.D
Lims ID: 240-69767-B-21-A
Client ID: DR-SB-252-144-145
Sample Type: Client
Inject. Date: 24-Sep-2016 18:44:07 ALS Bottle#: 23 Worklist Smp#: 23
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058309-023
Operator ID: Instrument ID: A2HP10

Method: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\PCB10 IS.m
Limit Group: GC 8082A IS
Last Update: 26-Sep-2016 14:07:19 Calib Date: 21-Sep-2016 03:28:26
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.797	2.794	0.002	285265929	0.0500	
2	3.367	3.356	0.012	155454670	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.096	4.092	0.004	97435549	0.0153	
2	4.682	4.679	0.003	50535646	0.0148	
					RPD = 3.15	
3 PCB-1221						
1		4.363			ND	
1		4.554				
1		4.606				
2		5.134				
2		5.330				
2		5.410				
5 PCB-1242						
1		4.605			ND	
1		5.071				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.553				
2		6.724				
2		7.313				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.606			ND	
1		5.071				
1		5.664				
1		5.833				
1		6.347				
2		5.410				
2		5.963				
2		6.553				
2		6.725				
2		7.314				
6 PCB-1016						
1		4.603			ND	
1		5.070				
1		5.663				
1		5.830				
1		6.345				
2		5.408				
2		5.961				
2		6.551				
2		6.723				
2		7.313				
7 PCB-1248						
1		5.078			ND	
1		5.669				
1		6.354				
1		7.141				
1		7.609				
2		5.960				
2		6.548				
2		7.314				
2		7.834				
2		8.608				
8 PCB-1254						
1		6.813			ND	
1		7.134				
1		7.599				
1		7.931				
1		8.473				
2		7.826				
2		8.065				
2		8.605				
2		8.880				
2		9.504				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
10 PCB-1260						
1		7.818			ND	
1		8.148				
1		8.469				
1		9.250				
1		9.568				
2		8.838				
2		9.093				
2		9.502				
2		10.249				
2		10.639				
9 PCB-1262						
1		7.819			ND	
1		8.608				
1		8.889				
1		9.251				
1		9.616				
2		8.838				
2		9.613				
2		9.954				
2		10.251				
2		10.638				
11 PCB-1268						
1		9.615			ND	
1		9.659				
1		9.879				
1		10.285				
1		10.589				
2		10.635				
2		10.682				
2		10.936				
2		11.222				
2		11.525				
$ 12 DCB Decachlorobiphenyl						
1	10.779	10.779	0.000	69610277	0.0125	
2	11.757	11.758	-0.001	41563394	0.0138	
					RPD = 9.77	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

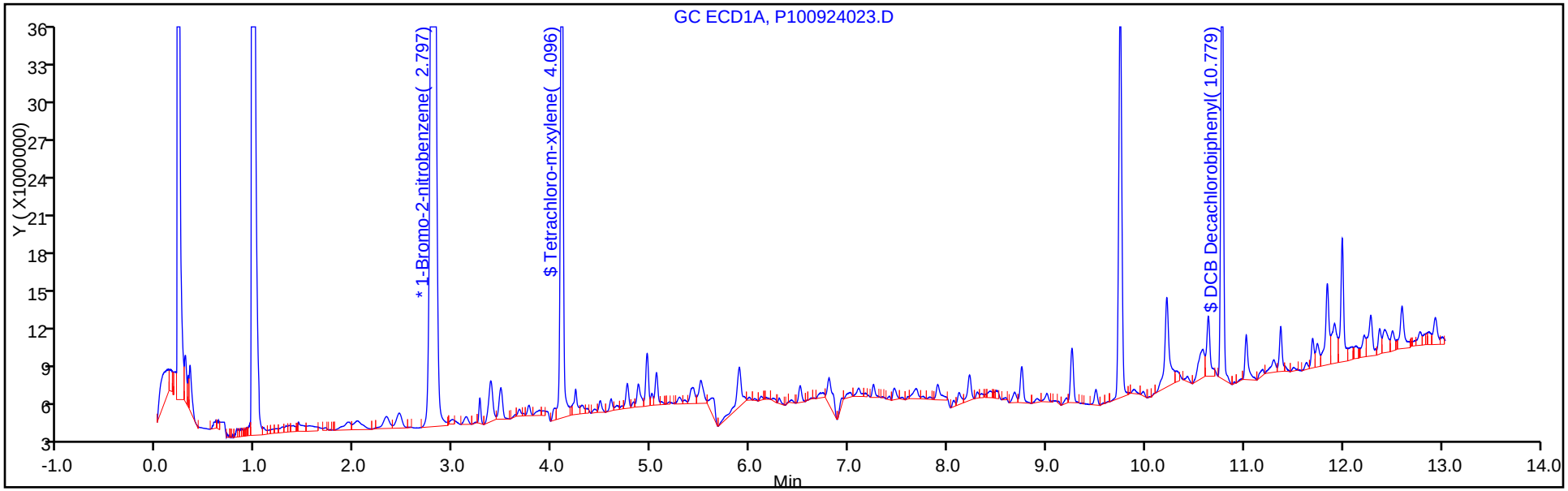
Report Date: 26-Sep-2016 14:07:46 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

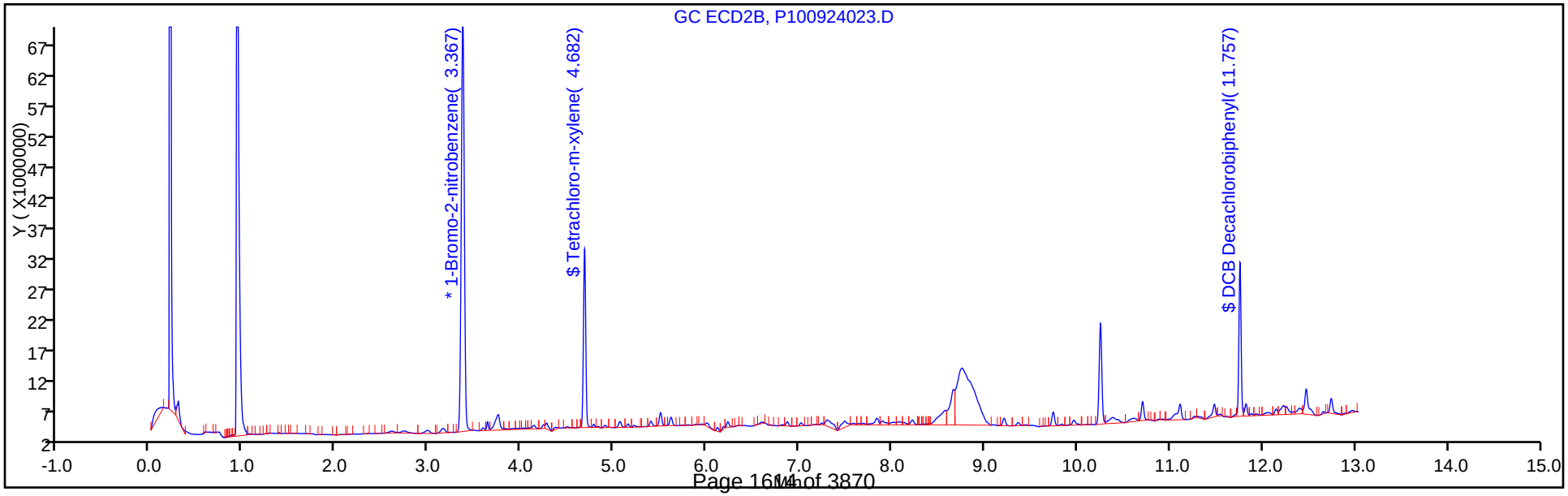
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Injection Date:	24-Sep-2016 18:44:07	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	240-69767-B-21-A	Lab Sample ID:	240-69767-21	Worklist Smp#:	23
Client ID:	DR-SB-252-144-145				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-253-0-3 | Lab Sample ID: 240-69767-22

Matrix: Solid | Lab File ID: P100924024.D

Analysis Method: 8082A | Date Collected: 09/19/2016 10:47

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.20(g) | Date Analyzed: 09/24/2016 19:02

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 13.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	57	27
11104-28-2	Aroclor-1221	26	U	57	26
11141-16-5	Aroclor-1232	18	U	57	18
53469-21-9	Aroclor-1242	23	U	57	23
12672-29-6	Aroclor-1248	19	U	57	19
11097-69-1	Aroclor-1254	16	U	57	16
11096-82-5	Aroclor-1260	20	U	57	20
37324-23-5	Aroclor-1262	9.1	U	57	9.1
11100-14-4	Aroclor-1268	23	U	57	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	49		14-128
2051-24-3	DCB Decachlorobiphenyl	49		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924024.D
Lims ID: 240-69767-B-22-A
Client ID: DR-SB-253-0-3
Sample Type: Client
Inject. Date: 24-Sep-2016 19:02:53 ALS Bottle#: 24 Worklist Smp#: 24
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058309-024
Operator ID: Instrument ID: A2HP10

Method: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\PCB10 IS.m
Limit Group: GC 8082A IS
Last Update: 26-Sep-2016 14:07:19 Calib Date: 21-Sep-2016 03:28:26
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.783	2.794	-0.012	256277096	0.0500	
2	3.361	3.356	0.005	137568919	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.093	4.092	0.001	56432938	0.009845	
2	4.681	4.679	0.002	30773621	0.0102	
					RPD = 3.37	
3 PCB-1221						
1		4.363			ND	
1		4.554				
1		4.606				
2		5.134				
2		5.330				
2		5.410				
5 PCB-1242						
1		4.605			ND	
1		5.071				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.553				
2		6.724				
2		7.313				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.606			ND	
1		5.071				
1		5.664				
1		5.833				
1		6.347				
2		5.410				
2		5.963				
2		6.553				
2		6.725				
2		7.314				
6 PCB-1016						
1		4.603			ND	
1		5.070				
1		5.663				
1		5.830				
1		6.345				
2		5.408				
2		5.961				
2		6.551				
2		6.723				
2		7.313				
7 PCB-1248						
1		5.078			ND	
1		5.669				
1		6.354				
1		7.141				
1		7.609				
2		5.960				
2		6.548				
2		7.314				
2		7.834				
2		8.608				
8 PCB-1254						
1		6.813			ND	
1		7.134				
1		7.599				
1		7.931				
1		8.473				
2		7.826				
2		8.065				
2		8.605				
2		8.880				
2		9.504				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
10 PCB-1260						
1		7.818			ND	
1		8.148				
1		8.469				
1		9.250				
1		9.568				
2		8.838				
2		9.093				
2		9.502				
2		10.249				
2		10.639				
9 PCB-1262						
1		7.819			ND	
1		8.608				
1		8.889				
1		9.251				
1		9.616				
2		8.838				
2		9.613				
2		9.954				
2		10.251				
2		10.638				
11 PCB-1268						
1		9.615			ND	
1		9.659				
1		9.879				
1		10.285				
1		10.589				
2		10.635				
2		10.682				
2		10.936				
2		11.222				
2		11.525				
$ 12 DCB Decachlorobiphenyl						
1	10.780	10.779	0.001	49329097	0.009845	
2	11.757	11.758	-0.001	29091747	0.0109	
					RPD = 10.04	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

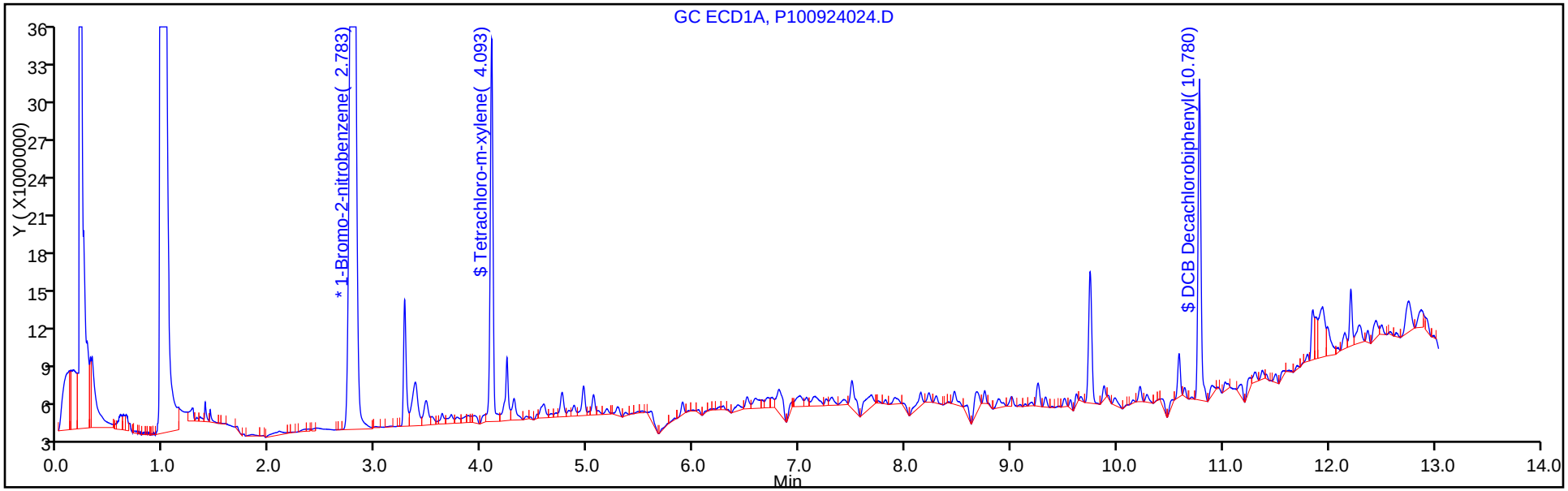
Report Date: 26-Sep-2016 14:07:42 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

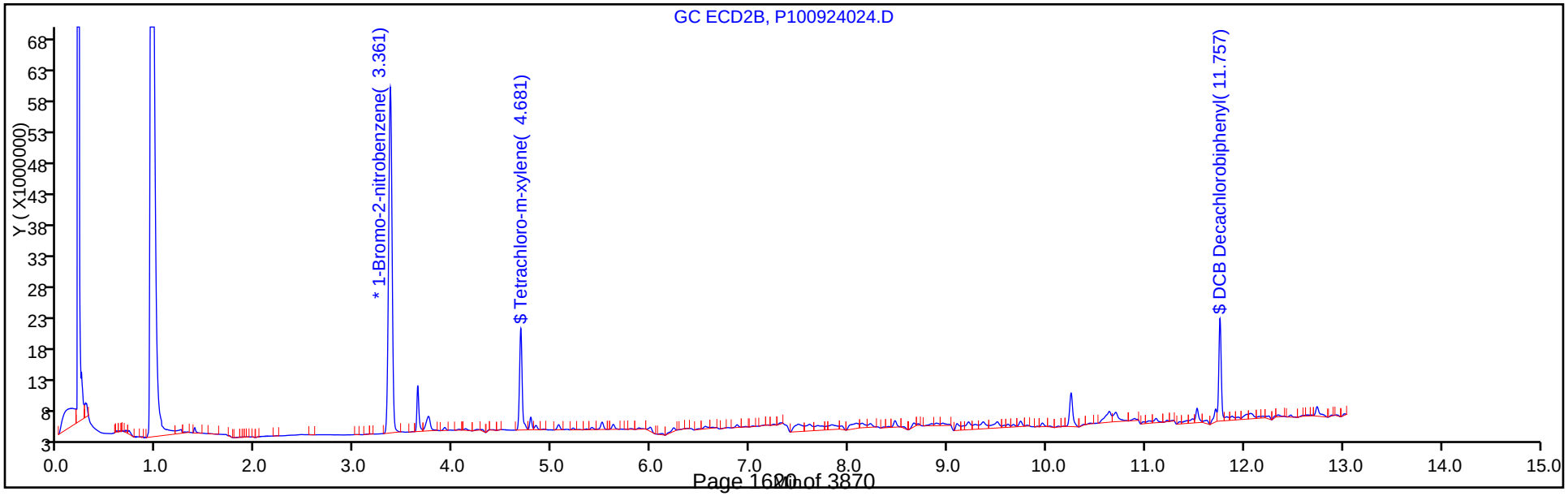
Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924024.D

Injection Date:	24-Sep-2016 19:02:53	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	240-69767-B-22-A	Lab Sample ID:	240-69767-22	Worklist Smp#:	24
Client ID:	DR-SB-253-0-3				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-253-48-51 | Lab Sample ID: 240-69767-24

Matrix: Solid | Lab File ID: P100924026.D

Analysis Method: 8082A | Date Collected: 09/19/2016 10:53

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.13(g) | Date Analyzed: 09/24/2016 19:40

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 12.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	56	27
11104-28-2	Aroclor-1221	26	U	56	26
11141-16-5	Aroclor-1232	18	U	56	18
53469-21-9	Aroclor-1242	23	U	56	23
12672-29-6	Aroclor-1248	19	U	56	19
11097-69-1	Aroclor-1254	16	U	56	16
11096-82-5	Aroclor-1260	20	U	56	20
37324-23-5	Aroclor-1262	9.0	U	56	9.0
11100-14-4	Aroclor-1268	23	U	56	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	75		14-128
2051-24-3	DCB Decachlorobiphenyl	16		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924026.D
Lims ID: 240-69767-B-24-A
Client ID: DR-SB-253-48-51
Sample Type: Client
Inject. Date: 24-Sep-2016 19:40:42 ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058309-026
Operator ID: Instrument ID: A2HP10

Method: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\PCB10 IS.m
Limit Group: GC 8082A IS
Last Update: 26-Sep-2016 14:07:19 Calib Date: 21-Sep-2016 03:28:26
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 13:55:58

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.792	2.794	-0.002	217253984	0.0500	
2	3.365	3.356	0.010	119464036	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.097	4.092	0.005	73190872	0.0151	
2	4.683	4.679	0.004	46859196	0.0179	
					RPD = 16.97	
3 PCB-1221						
1		4.363			ND	
1		4.554				
1		4.606				
2		5.134				
2		5.330				
2		5.410				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
5 PCB-1242						
1		4.605			ND	
1		5.071				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.553				
2		6.724				
2		7.313				
4 PCB-1232						
1		4.606			ND	
1		5.071				
1		5.664				
1		5.833				
1		6.347				
2		5.410				
2		5.963				
2		6.553				
2		6.725				
2		7.314				
6 PCB-1016						
1		4.603			ND	
1		5.070				
1		5.663				
1		5.830				
1		6.345				
2		5.408				
2		5.961				
2		6.551				
2		6.723				
2		7.313				
7 PCB-1248						
1		5.078			ND	
1		5.669				
1		6.354				
1		7.141				
1		7.609				
2		5.960				
2		6.548				
2		7.314				
2		7.834				
2		8.608				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1		6.813			ND	
1		7.134				
1		7.599				
1		7.931				
1		8.473				
2		7.826				
2		8.065				
2		8.605				
2		8.880				
2		9.504				
10 PCB-1260						
1		7.818			ND	
1		8.148				
1		8.469				
1		9.250				
1		9.568				
2		8.838				
2		9.093				
2		9.502				
2		10.249				
2		10.639				
9 PCB-1262						
1		7.819			ND	
1		8.608				
1		8.889				
1		9.251				
1		9.616				
2		8.838				
2		9.613				
2		9.954				
2		10.251				
2		10.638				
11 PCB-1268						
1		9.615			ND	
1		9.659				
1		9.879				
1		10.285				
1		10.589				
2		10.635				
2		10.682				
2		10.936				
2		11.222				
2		11.525				
$ 12 DCB Decachlorobiphenyl						
1	10.780	10.779	0.001	13182693	0.003104	
2	11.757	11.758	-0.001	3478332	0.001499	
					RPD = 69.74	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

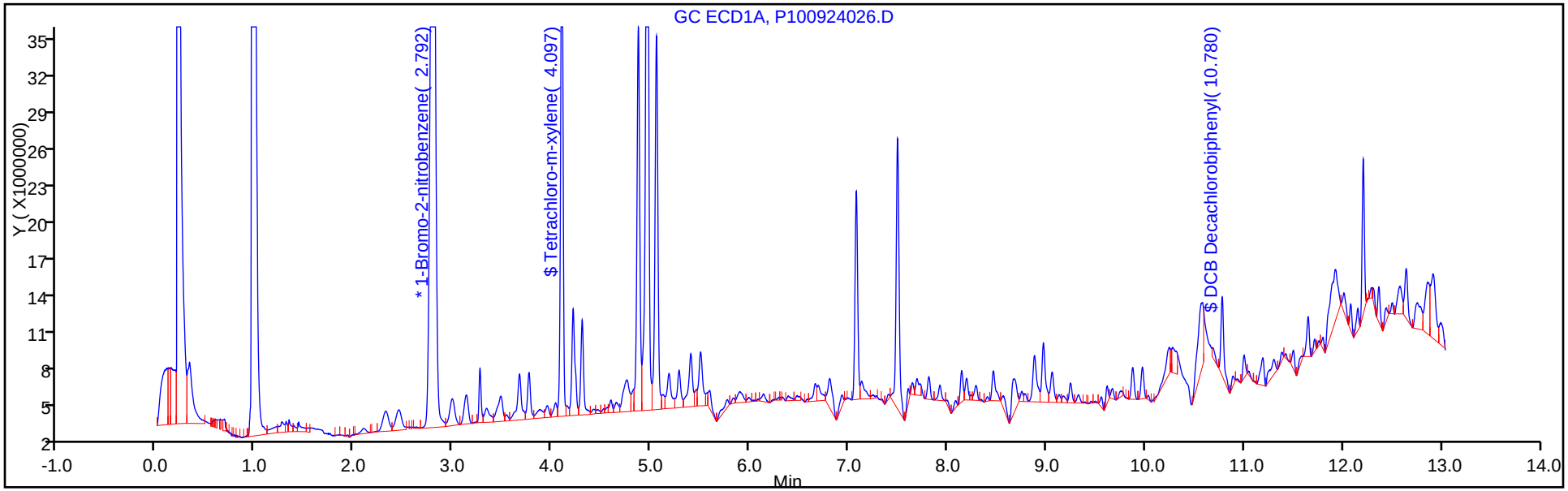
Report Date: 26-Sep-2016 14:07:35 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

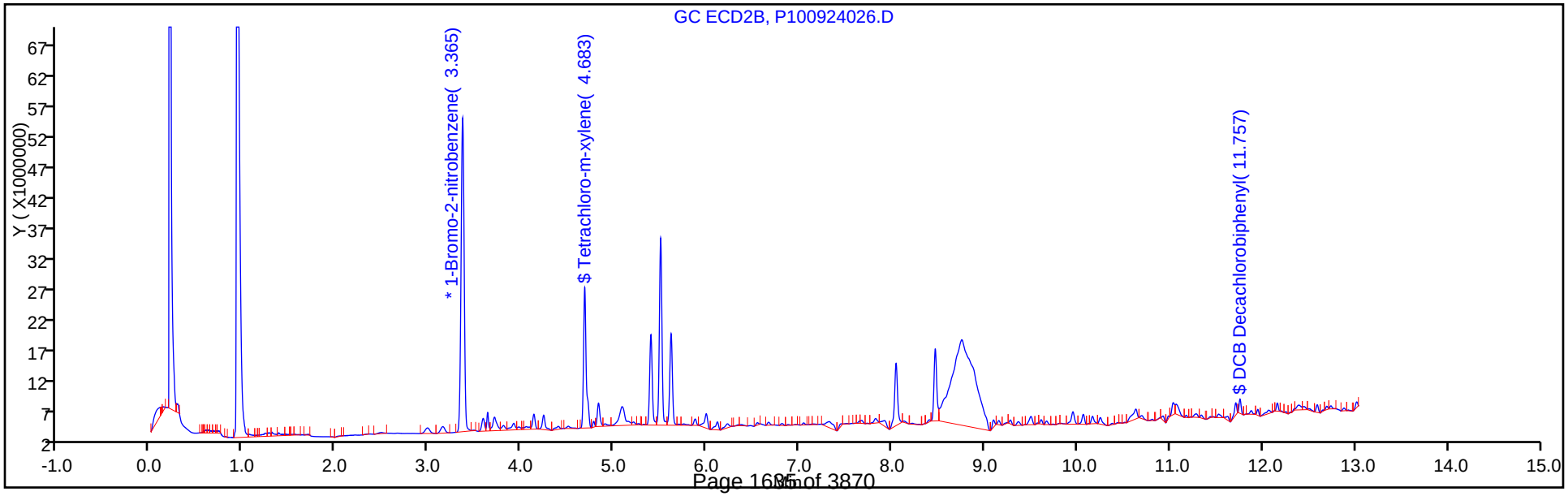
Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924026.D

Injection Date:	24-Sep-2016 19:40:42	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	240-69767-B-24-A	Lab Sample ID:	240-69767-24	Worklist Smp#:	26
Client ID:	DR-SB-253-48-51				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-253-96-99 | Lab Sample ID: 240-69767-26

Matrix: Solid | Lab File ID: P100924031.D

Analysis Method: 8082A | Date Collected: 09/19/2016 10:58

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:26

Sample wt/vol: 10.15(g) | Date Analyzed: 09/24/2016 21:15

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 15.5 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248277 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	28	U	58	28
11104-28-2	Aroclor-1221	27	U	58	27
11141-16-5	Aroclor-1232	19	U	58	19
53469-21-9	Aroclor-1242	23	U	58	23
12672-29-6	Aroclor-1248	20	U	58	20
11097-69-1	Aroclor-1254	16	U	58	16
11096-82-5	Aroclor-1260	21	U	58	21
37324-23-5	Aroclor-1262	9.3	U	58	9.3
11100-14-4	Aroclor-1268	23	U	58	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	69		14-128
2051-24-3	DCB Decachlorobiphenyl	80		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924031.D
Lims ID: 240-69767-B-26-A
Client ID: DR-SB-253-96-99
Sample Type: Client
Inject. Date: 24-Sep-2016 21:15:12 ALS Bottle#: 31 Worklist Smp#: 31
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058309-031
Operator ID: Instrument ID: A2HP10

Method: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\PCB10 IS.m
Limit Group: GC 8082A IS
Last Update: 26-Sep-2016 14:06:40 Calib Date: 21-Sep-2016 03:28:26
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 14:00:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.782	2.794	-0.012	291538878	0.0500	
2	3.359	3.367	-0.007	159283246	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.093	4.095	-0.002	90187171	0.0138	
2	4.680	4.682	-0.002	49744463	0.0142	
					RPD = 2.75	
3 PCB-1221						
1		4.363			ND	
1		4.554				
1		4.606				
2		5.134				
2		5.330				
2		5.410				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
6 PCB-1016						
1		4.607			ND	
1		5.072				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.552				
2		6.724				
2		7.313				
5 PCB-1242						
1		4.605			ND	
1		5.071				
1		5.665				
1		5.832				
1		6.346				
2		5.410				
2		5.962				
2		6.553				
2		6.724				
2		7.313				
4 PCB-1232						
1		4.606			ND	
1		5.071				
1		5.664				
1		5.833				
1		6.347				
2		5.410				
2		5.963				
2		6.553				
2		6.725				
2		7.314				
7 PCB-1248						
1		5.078			ND	
1		5.669				
1		6.354				
1		7.141				
1		7.609				
2		5.960				
2		6.548				
2		7.314				
2		7.834				
2		8.608				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1		6.813			ND	
1		7.134				
1		7.599				
1		7.931				
1		8.473				
2		7.826				
2		8.065				
2		8.605				
2		8.880				
2		9.504				
10 PCB-1260						
1		7.819			ND	
1		8.149				
1		8.471				
1		9.253				
1		9.569				
2		8.839				
2		9.093				
2		9.502				
2		10.250				
2		10.641				
9 PCB-1262						
1		7.819			ND	
1		8.608				
1		8.889				
1		9.251				
1		9.616				
2		8.838				
2		9.613				
2		9.954				
2		10.251				
2		10.638				
11 PCB-1268						
1		9.615			ND	
1		9.659				
1		9.879				
1		10.285				
1		10.589				
2		10.635				
2		10.682				
2		10.936				
2		11.222				
2		11.525				
$ 12 DCB Decachlorobiphenyl						
1	10.778	10.781	-0.003	91439656	0.0160	
2	11.756	11.758	-0.002	44827431	0.0145	
					RPD = 10.19	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

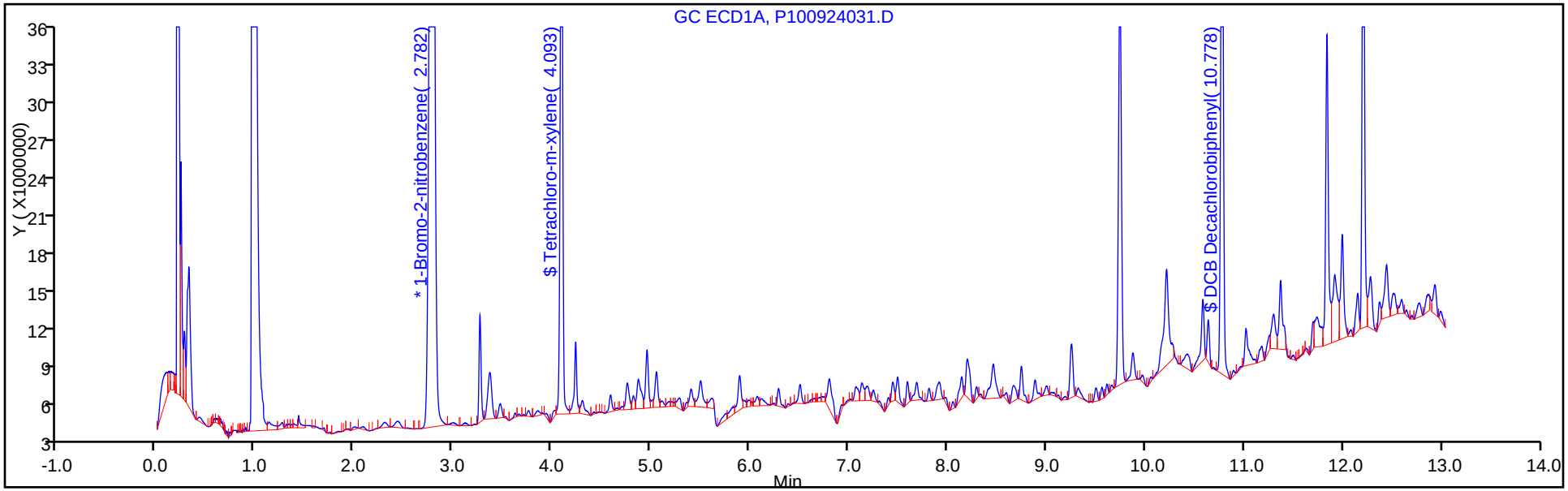
Report Date: 26-Sep-2016 14:07:15 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

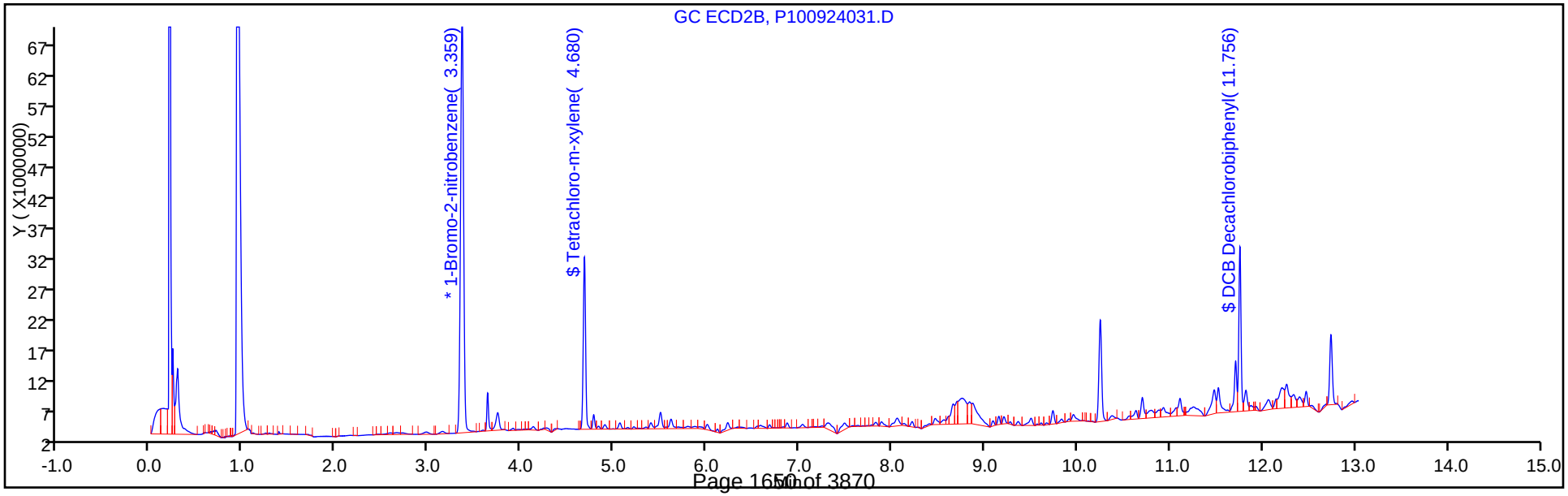
Data File: \\ChromNA\Canton\ChromData\A2HP10\20160924-58309.b\P100924031.D

Injection Date:	24-Sep-2016 21:15:12	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	240-69767-B-26-A	Lab Sample ID:	240-69767-26	Worklist Smp#:	31
Client ID:	DR-SB-253-96-99				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	31
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-253-144-145 | Lab Sample ID: 240-69767-28

Matrix: Solid | Lab File ID: P120925009.D

Analysis Method: 8082A | Date Collected: 09/19/2016 11:03

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.23(g) | Date Analyzed: 09/25/2016 15:53

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 31.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	34	U	71	34
11104-28-2	Aroclor-1221	33	U	71	33
11141-16-5	Aroclor-1232	23	U	71	23
53469-21-9	Aroclor-1242	28	U	71	28
12672-29-6	Aroclor-1248	24	U	71	24
11097-69-1	Aroclor-1254	20	U	71	20
11096-82-5	Aroclor-1260	26	U	71	26
37324-23-5	Aroclor-1262	11	U	71	11
11100-14-4	Aroclor-1268	28	U	71	28

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	50		14-128
2051-24-3	DCB Decachlorobiphenyl	44		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925009.D
Lims ID: 240-69767-B-28-A
Client ID: DR-SB-253-144-145
Sample Type: Client
Inject. Date: 25-Sep-2016 15:53:31 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058326-009
Operator ID: Instrument ID: A2HP12

Method: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\PCB12IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 11:49:29 Calib Date: 05-Sep-2016 20:36:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP12\20160902-57717.b\P120905033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.885	2.867	0.018	340518221	0.0500	
2	3.606	3.599	0.007	87626856	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.166	4.163	0.003	71075955	0.0101	
2	5.009	5.007	0.002	19116921	0.009258	
					RPD = 8.53	
3 PCB-1221						
1		4.457			ND	
1		4.667				
1		4.722				
2		5.495				
2		5.705				
2		5.791				
4 PCB-1232						
1		4.724			ND	
1		5.221				
1		5.842				
1		6.013				
1		6.541				
2		5.791				
2		6.373				
2		6.986				
2		7.163				
2		7.765				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
5 PCB-1242						
1		4.724			ND	
1		5.222				
1		5.842				
1		6.013				
1		6.542				
2		5.792				
2		6.373				
2		6.987				
2		7.163				
2		7.767				
6 PCB-1016						
1		4.725			ND	
1		5.224				
1		5.842				
1		6.015				
1		6.543				
2		5.792				
2		6.375				
2		6.987				
2		7.164				
2		7.767				
7 PCB-1248						
1		5.222			ND	
1		6.542				
1		7.071				
1		7.336				
1		7.809				
2		6.374				
2		6.984				
2		7.767				
2		8.295				
2		9.079				
8 PCB-1254						
1		7.016			ND	
1		7.342				
1		7.809				
1		8.139				
1		8.680				
2		8.289				
2		8.529				
2		9.078				
2		9.351				
2		9.986				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
10 PCB-1260						
1		8.030			ND	
1		8.361				
1		8.680				
1		9.461				
1		9.777				
2		9.313				
2		9.565				
2		9.985				
2		10.704				
2		11.078				
9 PCB-1262						
1		8.361			ND	
1		8.820				
1		9.098				
1		9.460				
1		9.825				
2		9.565				
2		10.095				
2		10.428				
2		10.704				
2		11.075				
11 PCB-1268						
1		9.826			ND	
1		9.868				
1		10.091				
1		10.482				
1		10.775				
2		11.072				
2		11.119				
2		11.365				
2		11.637				
2		11.936				
$ 12 DCB Decachlorobiphenyl						
1	10.959	10.960	-0.001	54773323	0.008763	
2	12.165	12.164	0.001	18490288	0.0114	
					RPD = 26.16	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

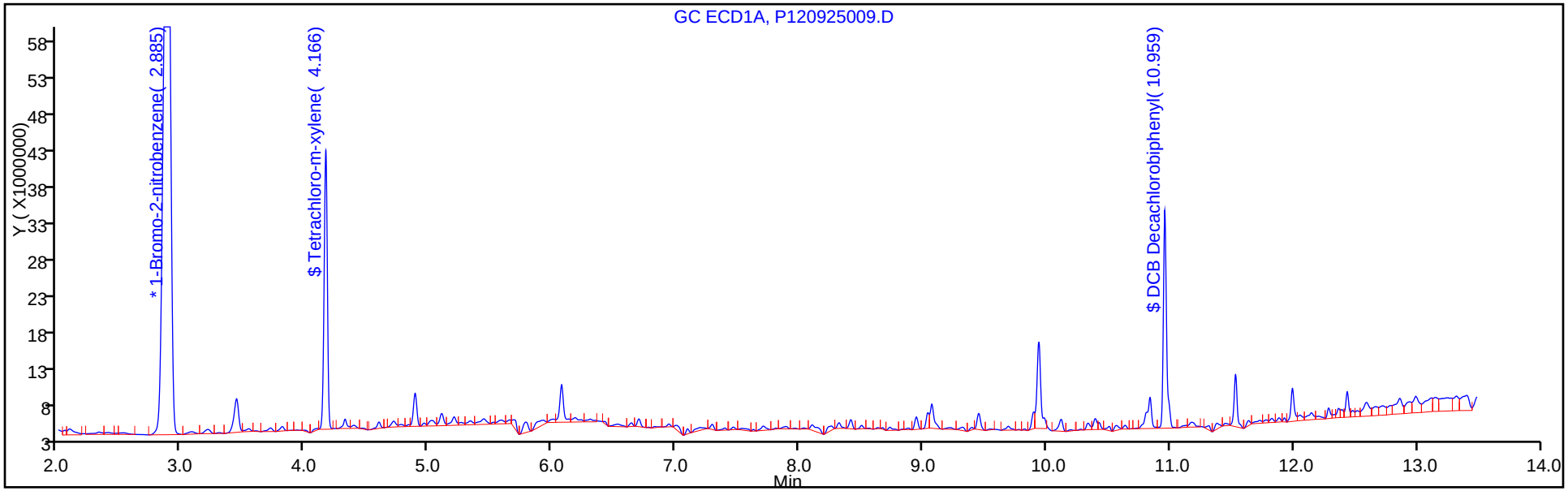
Report Date: 26-Sep-2016 11:49:34 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

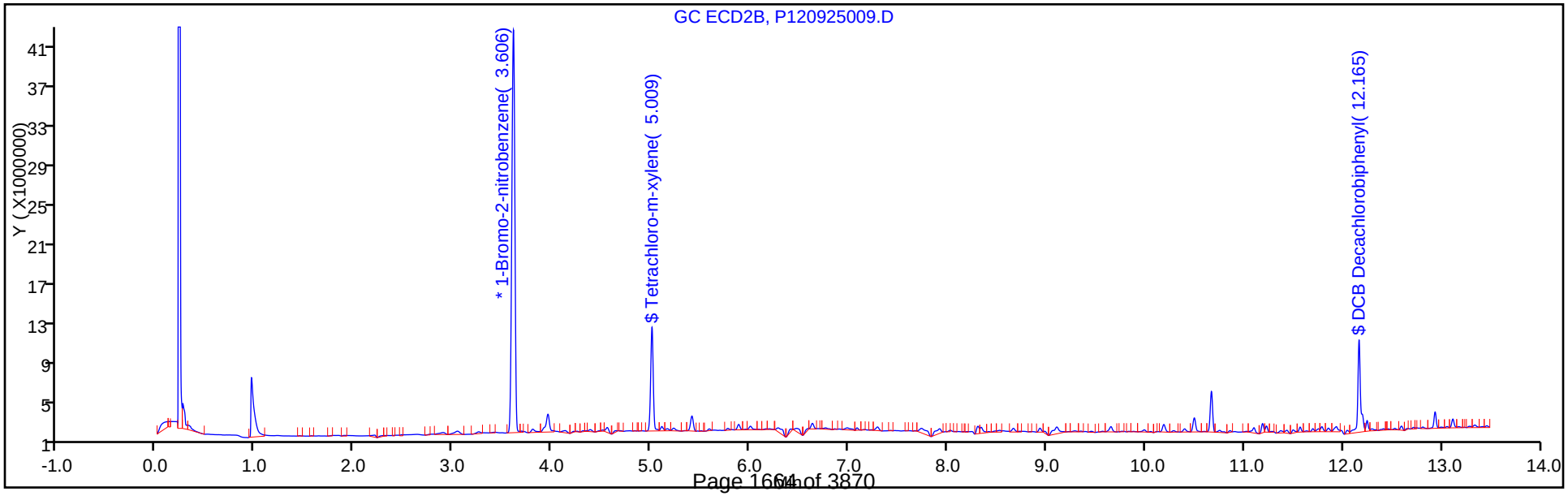
Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925009.D

Injection Date:	25-Sep-2016 15:53:31	Instrument ID:	A2HP12	Operator ID:	
Lims ID:	240-69767-B-28-A	Lab Sample ID:	240-69767-28	Worklist Smp#:	9
Client ID:	DR-SB-253-144-145				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-256-0-3 | Lab Sample ID: 240-69767-40

Matrix: Solid | Lab File ID: P120925022.D

Analysis Method: 8082A | Date Collected: 09/19/2016 12:50

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.11(g) | Date Analyzed: 09/25/2016 19:42

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 15.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	28	U	58	28
11104-28-2	Aroclor-1221	27	U	58	27
11141-16-5	Aroclor-1232	19	U	58	19
53469-21-9	Aroclor-1242	23	U	58	23
12672-29-6	Aroclor-1248	20	U	58	20
11097-69-1	Aroclor-1254	16	U	58	16
11096-82-5	Aroclor-1260	21	U	58	21
37324-23-5	Aroclor-1262	9.3	U	58	9.3
11100-14-4	Aroclor-1268	23	U	58	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		14-128
2051-24-3	DCB Decachlorobiphenyl	73		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925022.D
Lims ID: 240-69767-B-40-A
Client ID: DR-SB-256-0-3
Sample Type: Client
Inject. Date: 25-Sep-2016 19:42:43 ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058326-022
Operator ID: Instrument ID: A2HP12

Method: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\PCB12IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 11:49:29 Calib Date: 05-Sep-2016 20:36:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP12\20160902-57717.b\P120905033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 11:20:25

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.891	2.867	0.025	364236769	0.0500	
2	3.609	3.599	0.010	93865715	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.169	4.163	0.006	114024973	0.0151	
2	5.010	5.007	0.003	31619642	0.0143	
					RPD = 5.63	
3 PCB-1221						
1		4.457			ND	
1		4.667				
1		4.722				
2		5.495				
2		5.705				
2		5.791				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.724			ND	
1		5.221				
1		5.842				
1		6.013				
1		6.541				
2		5.791				
2		6.373				
2		6.986				
2		7.163				
2		7.765				
5 PCB-1242						
1		4.724			ND	
1		5.222				
1		5.842				
1		6.013				
1		6.542				
2		5.792				
2		6.373				
2		6.987				
2		7.163				
2		7.767				
6 PCB-1016						
1		4.725			ND	
1		5.224				
1		5.842				
1		6.015				
1		6.543				
2		5.792				
2		6.375				
2		6.987				
2		7.164				
2		7.767				
7 PCB-1248						
1		5.222			ND	
1		6.542				
1		7.071				
1		7.336				
1		7.809				
2		6.374				
2		6.984				
2		7.767				
2		8.295				
2		9.079				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1		7.016			ND	
1		7.342				
1		7.809				
1		8.139				
1		8.680				
2		8.289				
2		8.529				
2		9.078				
2		9.351				
2		9.986				
10 PCB-1260						
1		8.030			ND	
1		8.361				
1		8.680				
1		9.461				
1		9.777				
2		9.313				
2		9.565				
2		9.985				
2		10.704				
2		11.078				
9 PCB-1262						
1		8.361			ND	
1		8.820				
1		9.098				
1		9.460				
1		9.825				
2		9.565				
2		10.095				
2		10.428				
2		10.704				
2		11.075				
11 PCB-1268						
1		9.826			ND	
1		9.868				
1		10.091				
1		10.482				
1		10.775				
2		11.072				
2		11.119				
2		11.365				
2		11.637				
2		11.936				
$ 12 DCB Decachlorobiphenyl						
1	10.960	10.960	0.000	97022946	0.0145	
2	12.165	12.164	0.001	31434719	0.0181	
					RPD = 21.97	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

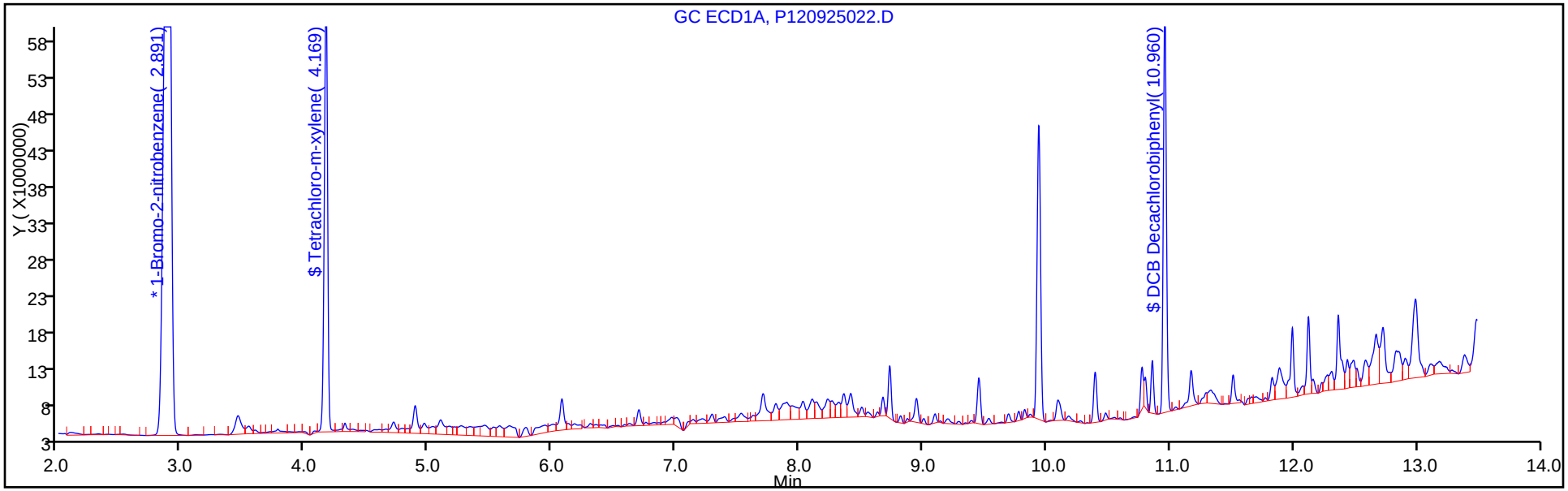
Report Date: 26-Sep-2016 11:51:03 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

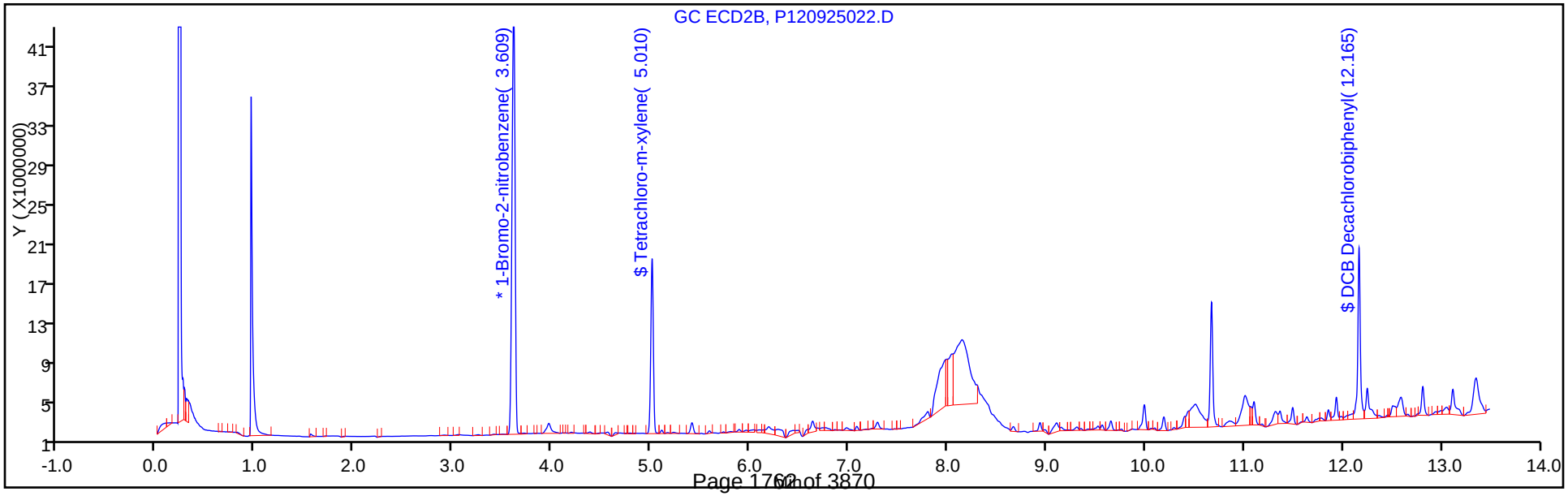
Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925022.D

Injection Date:	25-Sep-2016 19:42:43	Instrument ID:	A2HP12	Operator ID:	
Lims ID:	240-69767-B-40-A	Lab Sample ID:	240-69767-40	Worklist Smp#:	22
Client ID:	DR-SB-256-0-3				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-256-24-27 | Lab Sample ID: 240-69767-41

Matrix: Solid | Lab File ID: P120925023.D

Analysis Method: 8082A | Date Collected: 09/19/2016 12:53

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 9.61(g) | Date Analyzed: 09/25/2016 20:00

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 14.3 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	29	U	61	29
11104-28-2	Aroclor-1221	28	U	61	28
11141-16-5	Aroclor-1232	19	U	61	19
53469-21-9	Aroclor-1242	24	U	61	24
12672-29-6	Aroclor-1248	21	U	61	21
11097-69-1	Aroclor-1254	17	U	61	17
11096-82-5	Aroclor-1260	22	U	61	22
37324-23-5	Aroclor-1262	9.7	U	61	9.7
11100-14-4	Aroclor-1268	24	U	61	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	49		14-128
2051-24-3	DCB Decachlorobiphenyl	120		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925023.D
Lims ID: 240-69767-B-41-A
Client ID: DR-SB-256-24-27
Sample Type: Client
Inject. Date: 25-Sep-2016 20:00:18 ALS Bottle#: 23 Worklist Smp#: 23
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058326-023
Operator ID: Instrument ID: A2HP12

Method: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\PCB12IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 11:49:29 Calib Date: 05-Sep-2016 20:36:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP12\20160902-57717.b\P120905033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 11:37:34

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.874	2.867	0.007	414270903	0.0500	
2	3.603	3.599	0.004	81399488	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.164	4.163	0.001	83382651	0.009723	
2	5.008	5.007	0.001	25633720	0.0134	
					RPD = 31.54	
3 PCB-1221						
1		4.457			ND	
1		4.667				
1		4.722				
2		5.495				
2		5.705				
2		5.791				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.724			ND	
1		5.221				
1		5.842				
1		6.013				
1		6.541				
2		5.791				
2		6.373				
2		6.986				
2		7.163				
2		7.765				
5 PCB-1242						
1		4.724			ND	
1		5.222				
1		5.842				
1		6.013				
1		6.542				
2		5.792				
2		6.373				
2		6.987				
2		7.163				
2		7.767				
6 PCB-1016						
1		4.725			ND	
1		5.224				
1		5.842				
1		6.015				
1		6.543				
2		5.792				
2		6.375				
2		6.987				
2		7.164				
2		7.767				
7 PCB-1248						
1		5.222			ND	
1		6.542				
1		7.071				
1		7.336				
1		7.809				
2		6.374				
2		6.984				
2		7.767				
2		8.295				
2		9.079				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	7.016	7.016	0.000	3468711	0.008681	
1	7.341	7.342	-0.001	2876483	0.003561	
1	7.809	7.809	0.000	9268715	0.0153	
1	8.137	8.139	-0.002	4032921	0.009468	
1	8.677	8.680	-0.003	14147039	0.0226	
		Average of Peak Amounts =			0.0119	
2	8.296	8.289	0.007	3379326	0.0261	
2	0.000	8.529	0.000	0	0	
2	9.080	9.078	0.002	3733339	0.0139	
2	0.000	9.351	0.000	0	0	
2	9.987	9.986	0.001	4827829	0.0228	
		Average of Peak Amounts =			0.0209	
					RPD = 54.82	
10 PCB-1260						
1		8.030			ND	
1		8.361				
1		8.680				
1		9.461				
1		9.777				
2		9.313				
2		9.565				
2		9.985				
2		10.704				
2		11.078				
9 PCB-1262						
1		8.361			ND	
1		8.820				
1		9.098				
1		9.460				
1		9.825				
2		9.565				
2		10.095				
2		10.428				
2		10.704				
2		11.075				
11 PCB-1268						
1		9.826			ND	
1		9.868				
1		10.091				
1		10.482				
1		10.775				
2		11.072				
2		11.119				
2		11.365				
2		11.637				
2		11.936				
$ 12 DCB Decachlorobiphenyl						
1	10.967	10.960	0.007	182589784	0.0240	
2	12.164	12.164	0.000	26585826	0.0176	
					RPD = 30.56	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

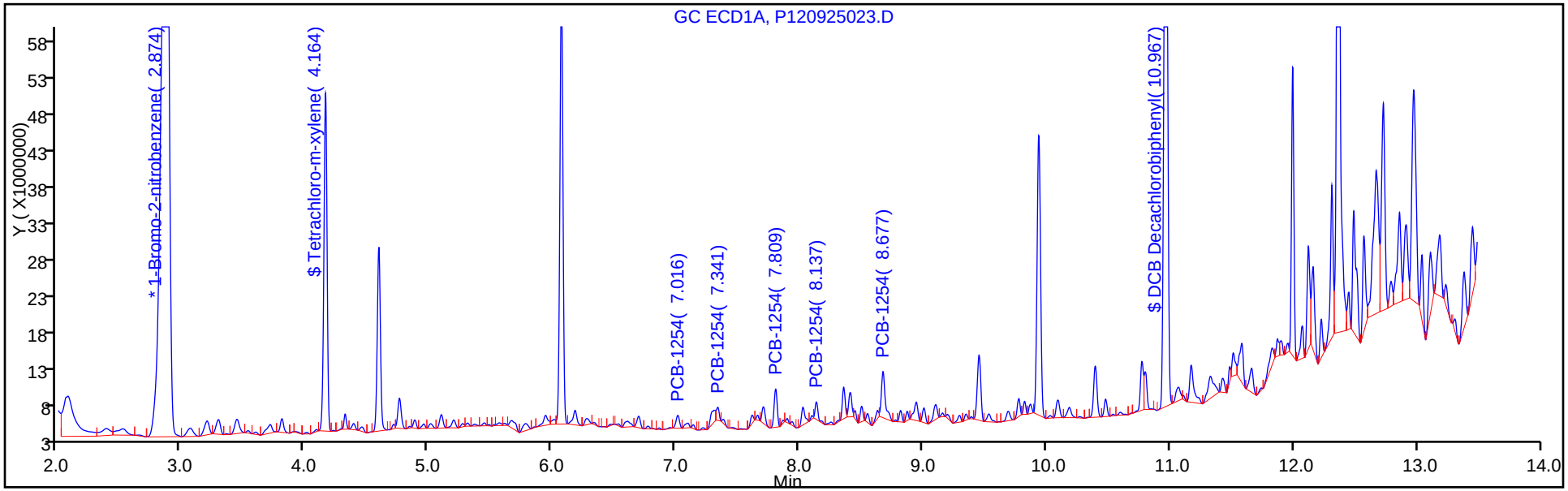
Report Date: 26-Sep-2016 11:51:10 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

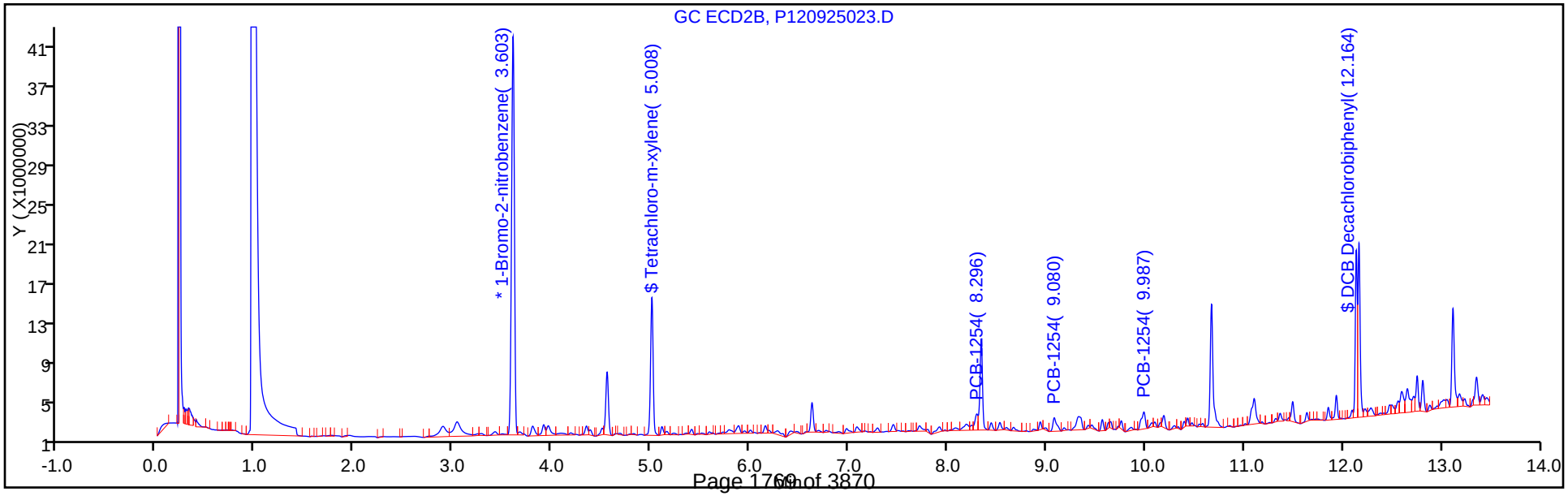
Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925023.D

Injection Date:	25-Sep-2016 20:00:18	Instrument ID:	A2HP12	Operator ID:	
Lims ID:	240-69767-B-41-A	Lab Sample ID:	240-69767-41	Worklist Smp#:	23
Client ID:	DR-SB-256-24-27				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 26-Sep-2016 11:51:10 Chrom Revision: 2.2 08-Sep-2016 14:45:52

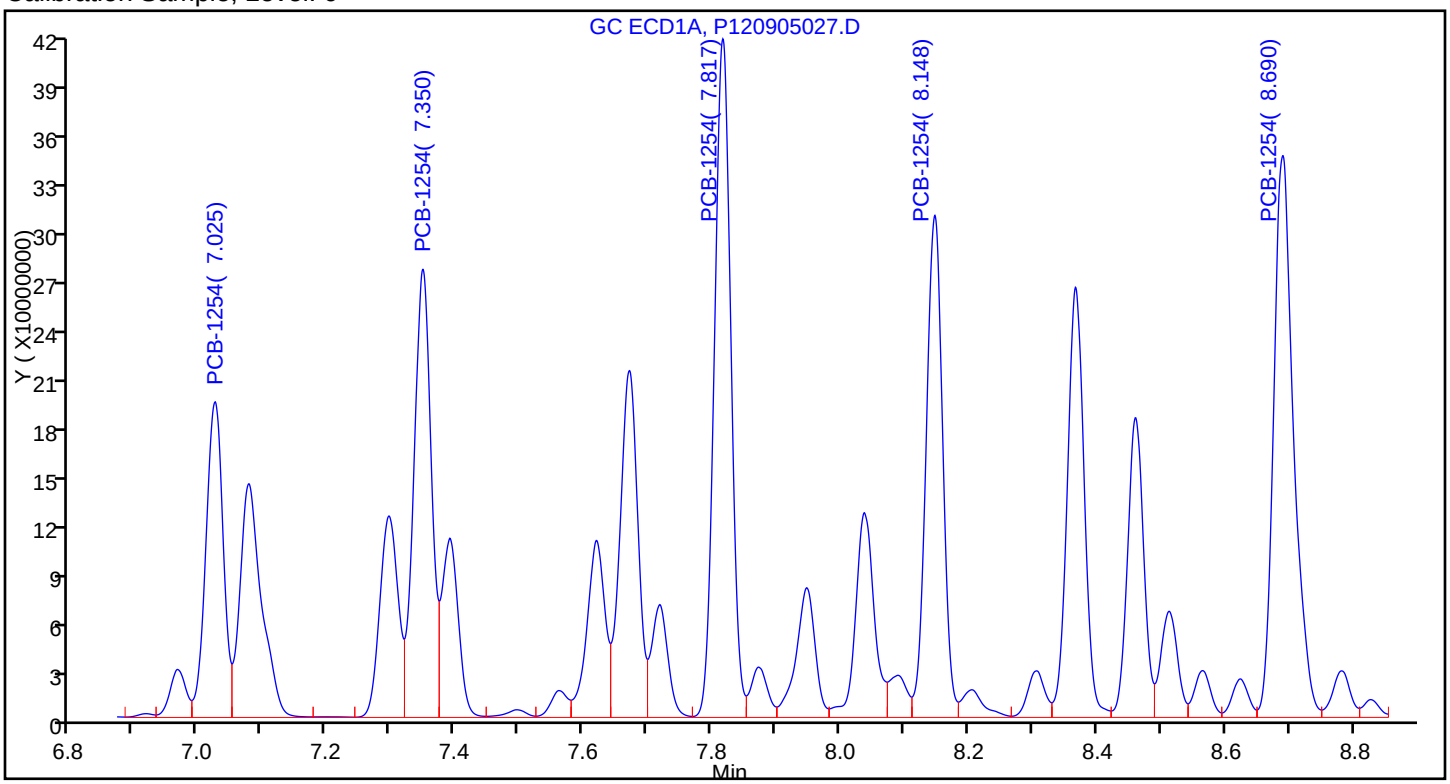
TestAmerica Canton

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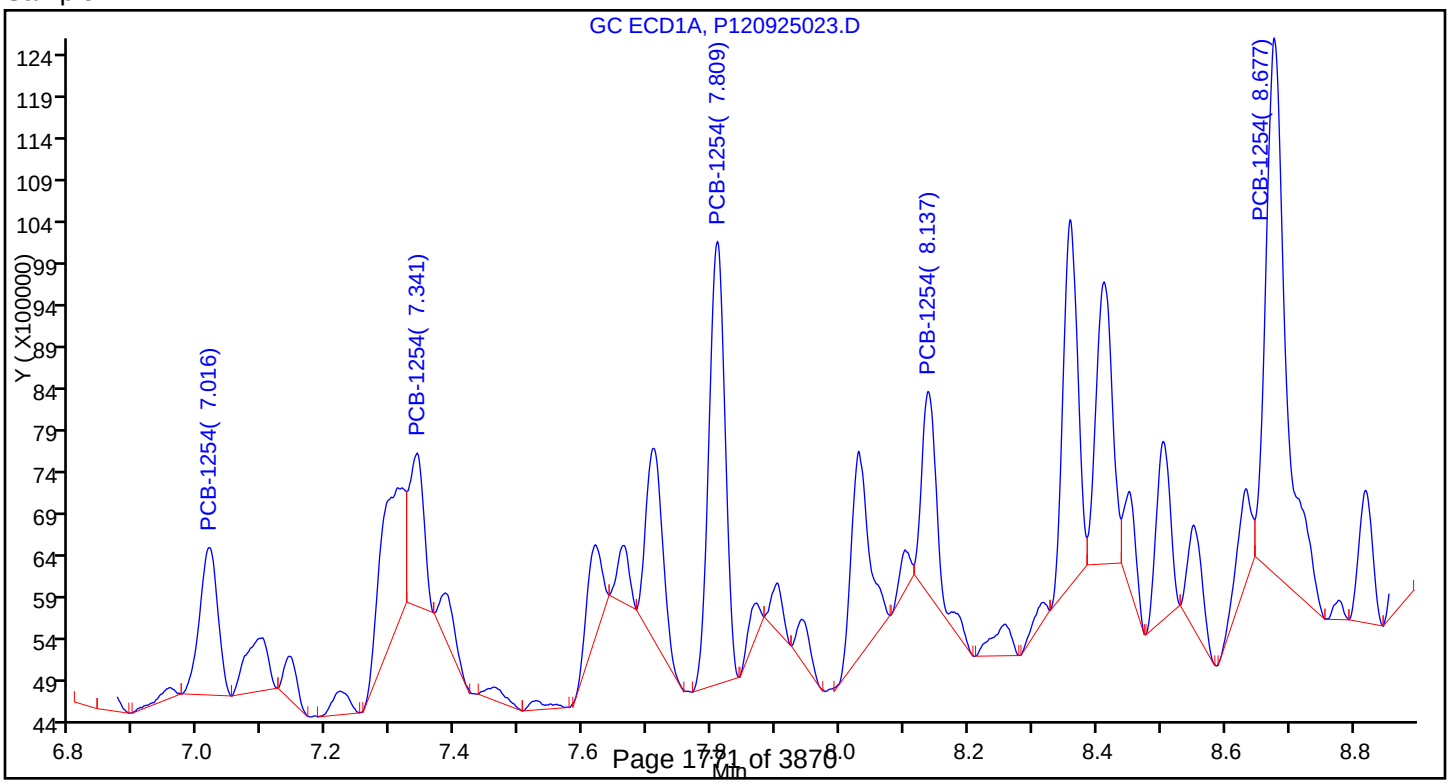
Injection Date:	25-Sep-2016 20:00:18	Instrument ID:	A2HP12
Lims ID:	240-69767-B-41-A	Lab Sample ID:	240-69767-41
Client ID:	DR-SB-256-24-27		
Operator ID:		ALS Bottle#:	23 Worklist Smp#: 23
Injection Vol:	1.0 uL	Dil. Factor:	1.0000
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS
Column:		Detector	GC ECD1A

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-256-72-75 | Lab Sample ID: 240-69767-43

Matrix: Solid | Lab File ID: P120925025.D

Analysis Method: 8082A | Date Collected: 09/19/2016 12:57

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.06(g) | Date Analyzed: 09/25/2016 20:35

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 12.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	56	27
11104-28-2	Aroclor-1221	26	U	56	26
11141-16-5	Aroclor-1232	18	U	56	18
53469-21-9	Aroclor-1242	23	U	56	23
12672-29-6	Aroclor-1248	19	U	56	19
11097-69-1	Aroclor-1254	16	U	56	16
11096-82-5	Aroclor-1260	20	U	56	20
37324-23-5	Aroclor-1262	9.0	U	56	9.0
11100-14-4	Aroclor-1268	23	U	56	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	54		14-128
2051-24-3	DCB Decachlorobiphenyl	63		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925025.D
Lims ID: 240-69767-B-43-A
Client ID: DR-SB-256-72-75
Sample Type: Client
Inject. Date: 25-Sep-2016 20:35:35 ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058326-025
Operator ID: Instrument ID: A2HP12

Method: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\PCB12IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 11:49:29 Calib Date: 05-Sep-2016 20:36:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP12\20160902-57717.b\P120905033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 11:39:33

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.879	2.867	0.012	365268578	0.0500	
2	3.604	3.599	0.005	92827808	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.164	4.163	0.001	80995552	0.0107	
2	5.008	5.007	0.001	22110442	0.0101	
					RPD = 5.80	
3 PCB-1221						
1		4.457			ND	
1		4.667				
1		4.722				
2		5.495				
2		5.705				
2		5.791				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.724			ND	
1		5.221				
1		5.842				
1		6.013				
1		6.541				
2		5.791				
2		6.373				
2		6.986				
2		7.163				
2		7.765				
5 PCB-1242						
1		4.724			ND	
1		5.222				
1		5.842				
1		6.013				
1		6.542				
2		5.792				
2		6.373				
2		6.987				
2		7.163				
2		7.767				
6 PCB-1016						
1		4.725			ND	
1		5.224				
1		5.842				
1		6.015				
1		6.543				
2		5.792				
2		6.375				
2		6.987				
2		7.164				
2		7.767				
7 PCB-1248						
1		5.222			ND	
1		6.542				
1		7.071				
1		7.336				
1		7.809				
2		6.374				
2		6.984				
2		7.767				
2		8.295				
2		9.079				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1		7.016			ND	
1		7.342				
1		7.809				
1		8.139				
1		8.680				
2		8.289				
2		8.529				
2		9.078				
2		9.351				
2		9.986				
10 PCB-1260						
1		8.030			ND	
1		8.361				
1		8.680				
1		9.461				
1		9.777				
2		9.313				
2		9.565				
2		9.985				
2		10.704				
2		11.078				
9 PCB-1262						
1		8.361			ND	
1		8.820				
1		9.098				
1		9.460				
1		9.825				
2		9.565				
2		10.095				
2		10.428				
2		10.704				
2		11.075				
11 PCB-1268						
1		9.826			ND	
1		9.868				
1		10.091				
1		10.482				
1		10.775				
2		11.072				
2		11.119				
2		11.365				
2		11.637				
2		11.936				
$ 12 DCB Decachlorobiphenyl						
1	10.959	10.960	-0.001	84686915	0.0126	
2	12.164	12.164	0.000	22940667	0.0134	
					RPD = 5.55	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

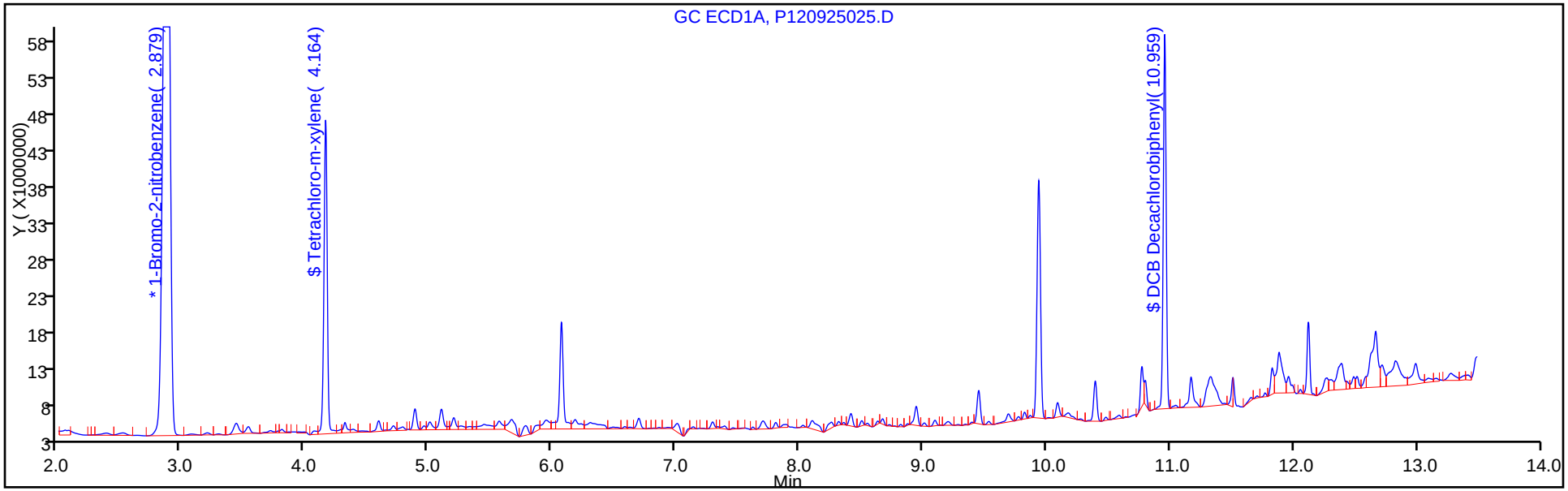
Report Date: 26-Sep-2016 11:51:22 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

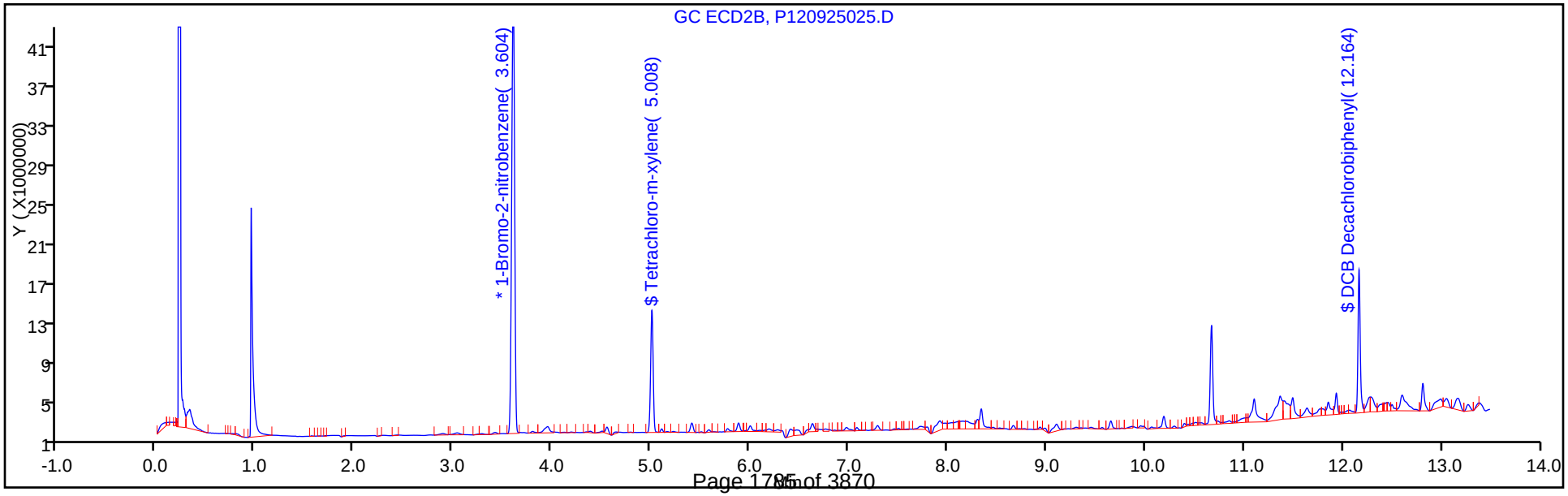
Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925025.D

Injection Date:	25-Sep-2016 20:35:35	Instrument ID:	A2HP12	Operator ID:	
Lims ID:	240-69767-B-43-A	Lab Sample ID:	240-69767-43	Worklist Smp#:	25
Client ID:	DR-SB-256-72-75				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-256-96-99 | Lab Sample ID: 240-69767-44

Matrix: Solid | Lab File ID: P120925029.D

Analysis Method: 8082A | Date Collected: 09/19/2016 13:00

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 9.69(g) | Date Analyzed: 09/25/2016 21:46

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 8.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	57	27
11104-28-2	Aroclor-1221	26	U	57	26
11141-16-5	Aroclor-1232	18	U	57	18
53469-21-9	Aroclor-1242	23	U	57	23
12672-29-6	Aroclor-1248	19	U	57	19
11097-69-1	Aroclor-1254	16	U	57	16
11096-82-5	Aroclor-1260	20	U	57	20
37324-23-5	Aroclor-1262	9.1	U	57	9.1
11100-14-4	Aroclor-1268	23	U	57	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	76		14-128
2051-24-3	DCB Decachlorobiphenyl	79		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925029.D
Lims ID: 240-69767-B-44-A
Client ID: DR-SB-256-96-99
Sample Type: Client
Inject. Date: 25-Sep-2016 21:46:00 ALS Bottle#: 29 Worklist Smp#: 29
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058326-029
Operator ID: Instrument ID: A2HP12

Method: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\PCB12IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 11:51:35 Calib Date: 05-Sep-2016 20:36:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP12\20160902-57717.b\P120905033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.879	2.881	-0.002	381768872	0.0500	
2	3.606	3.607	-0.002	97677544	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.165	4.166	-0.001	120070707	0.0152	
2	5.008	5.009	-0.001	33753408	0.0147	
					RPD = 3.54	
3 PCB-1221						
1		4.457			ND	
1		4.667				
1		4.722				
2		5.495				
2		5.705				
2		5.791				
4 PCB-1232						
1		4.724			ND	
1		5.221				
1		5.842				
1		6.013				
1		6.541				
2		5.791				
2		6.373				
2		6.986				
2		7.163				
2		7.765				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
5 PCB-1242						
1		4.724			ND	
1		5.222				
1		5.842				
1		6.013				
1		6.542				
2		5.792				
2		6.373				
2		6.987				
2		7.163				
2		7.767				
6 PCB-1016						
1		4.726			ND	
1		5.223				
1		5.841				
1		6.015				
1		6.543				
2		5.793				
2		6.375				
2		6.986				
2		7.164				
2		7.767				
7 PCB-1248						
1		5.222			ND	
1		6.542				
1		7.071				
1		7.336				
1		7.809				
2		6.374				
2		6.984				
2		7.767				
2		8.295				
2		9.079				
8 PCB-1254						
1		7.016			ND	
1		7.342				
1		7.809				
1		8.139				
1		8.680				
2		8.289				
2		8.529				
2		9.078				
2		9.351				
2		9.986				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
10 PCB-1260						
1		8.030			ND	
1		8.361				
1		8.681				
1		9.462				
1		9.777				
2		9.312				
2		9.566				
2		9.986				
2		10.704				
2		11.079				
9 PCB-1262						
1		8.361			ND	
1		8.820				
1		9.098				
1		9.460				
1		9.825				
2		9.565				
2		10.095				
2		10.428				
2		10.704				
2		11.075				
11 PCB-1268						
1		9.826			ND	
1		9.868				
1		10.091				
1		10.482				
1		10.775				
2		11.072				
2		11.119				
2		11.365				
2		11.637				
2		11.936				
$ 12 DCB Decachlorobiphenyl						
1	10.960	10.961	-0.001	110617027	0.0158	
2	12.166	12.166	0.000	28831148	0.0159	
					RPD = 1.02	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

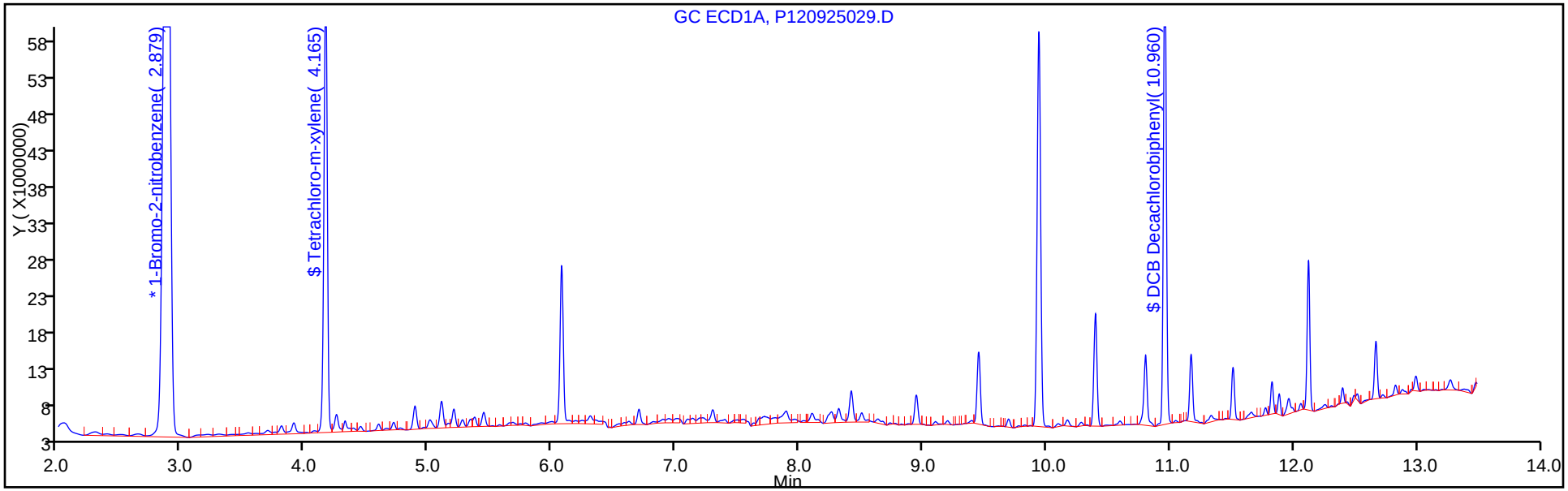
Report Date: 26-Sep-2016 11:51:42 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

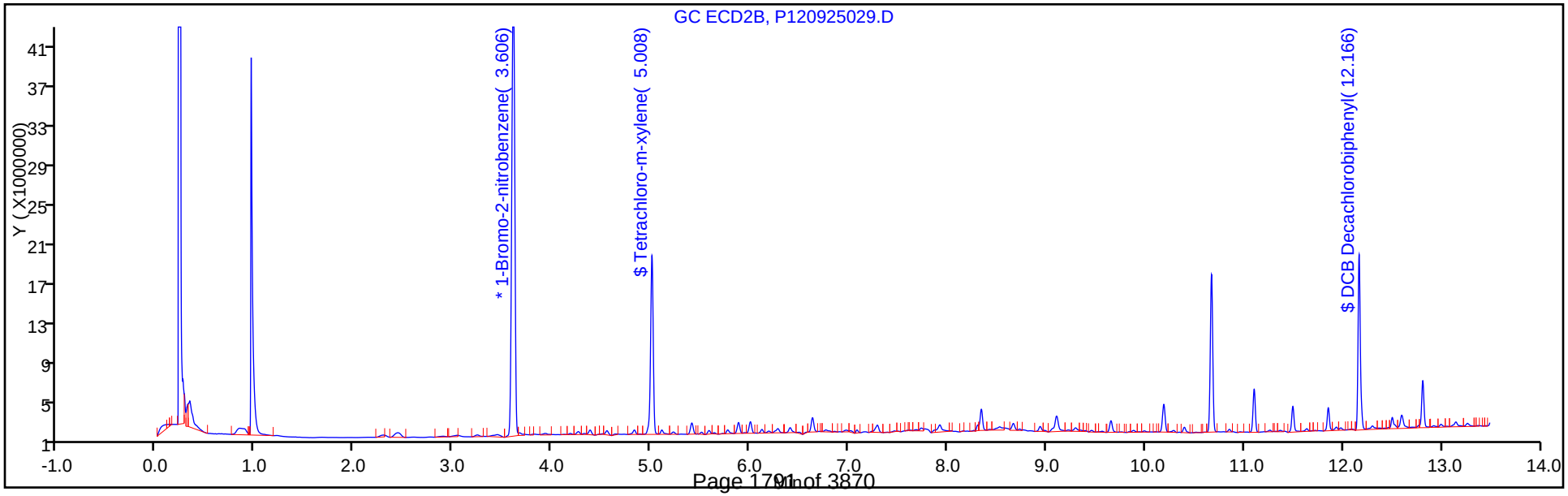
Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925029.D

Injection Date:	25-Sep-2016 21:46:00	Instrument ID:	A2HP12	Operator ID:	
Lims ID:	240-69767-B-44-A	Lab Sample ID:	240-69767-44	Worklist Smp#:	29
Client ID:	DR-SB-256-96-99				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-256-120-123 | Lab Sample ID: 240-69767-45

Matrix: Solid | Lab File ID: P120925030.D

Analysis Method: 8082A | Date Collected: 09/19/2016 13:02

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 10.38(g) | Date Analyzed: 09/25/2016 22:03

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 14.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	57	27
11104-28-2	Aroclor-1221	26	U	57	26
11141-16-5	Aroclor-1232	18	U	57	18
53469-21-9	Aroclor-1242	23	U	57	23
12672-29-6	Aroclor-1248	19	U	57	19
11097-69-1	Aroclor-1254	16	U	57	16
11096-82-5	Aroclor-1260	20	U	57	20
37324-23-5	Aroclor-1262	9.1	U	57	9.1
11100-14-4	Aroclor-1268	23	U	57	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	74		14-128
2051-24-3	DCB Decachlorobiphenyl	72		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925030.D
Lims ID: 240-69767-B-45-A
Client ID: DR-SB-256-120-123
Sample Type: Client
Inject. Date: 25-Sep-2016 22:03:39 ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058326-030
Operator ID: Instrument ID: A2HP12

Method: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\PCB12IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 11:51:35 Calib Date: 05-Sep-2016 20:36:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP12\20160902-57717.b\P120905033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

First Level Reviewer: grantk Date: 26-Sep-2016 11:44:47

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.874	2.881	-0.006	367651028	0.0500	
2	3.603	3.607	-0.004	96571328	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.164	4.166	-0.002	112941425	0.0148	
2	5.006	5.009	-0.003	29261850	0.0129	
					RPD = 14.31	
3 PCB-1221						
1		4.457			ND	
1		4.667				
1		4.722				
2		5.495				
2		5.705				
2		5.791				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
4 PCB-1232						
1		4.724			ND	
1		5.221				
1		5.842				
1		6.013				
1		6.541				
2		5.791				
2		6.373				
2		6.986				
2		7.163				
2		7.765				
5 PCB-1242						
1		4.724			ND	
1		5.222				
1		5.842				
1		6.013				
1		6.542				
2		5.792				
2		6.373				
2		6.987				
2		7.163				
2		7.767				
6 PCB-1016						
1		4.726			ND	
1		5.223				
1		5.841				
1		6.015				
1		6.543				
2		5.793				
2		6.375				
2		6.986				
2		7.164				
2		7.767				
7 PCB-1248						
1		5.222			ND	
1		6.542				
1		7.071				
1		7.336				
1		7.809				
2		6.374				
2		6.984				
2		7.767				
2		8.295				
2		9.079				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1		7.016			ND	
1		7.342				
1		7.809				
1		8.139				
1		8.680				
2		8.289				
2		8.529				
2		9.078				
2		9.351				
2		9.986				
10 PCB-1260						
1		8.030			ND	
1		8.361				
1		8.681				
1		9.462				
1		9.777				
2		9.312				
2		9.566				
2		9.986				
2		10.704				
2		11.079				
9 PCB-1262						
1		8.361			ND	
1		8.820				
1		9.098				
1		9.460				
1		9.825				
2		9.565				
2		10.095				
2		10.428				
2		10.704				
2		11.075				
11 PCB-1268						
1		9.826			ND	
1		9.868				
1		10.091				
1		10.482				
1		10.775				
2		11.072				
2		11.119				
2		11.365				
2		11.637				
2		11.936				
$ 12 DCB Decachlorobiphenyl						
1	10.960	10.961	-0.001	97469206	0.0144	
2	12.165	12.166	-0.001	26477615	0.0148	
					RPD = 2.53	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

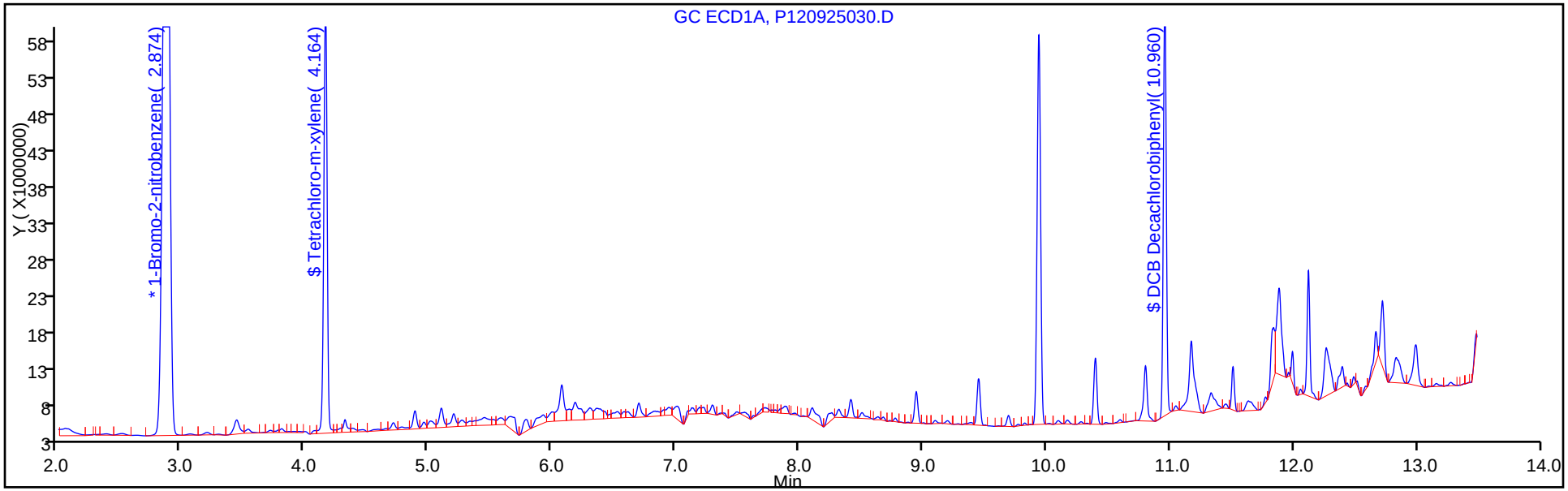
Report Date: 26-Sep-2016 11:51:45 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

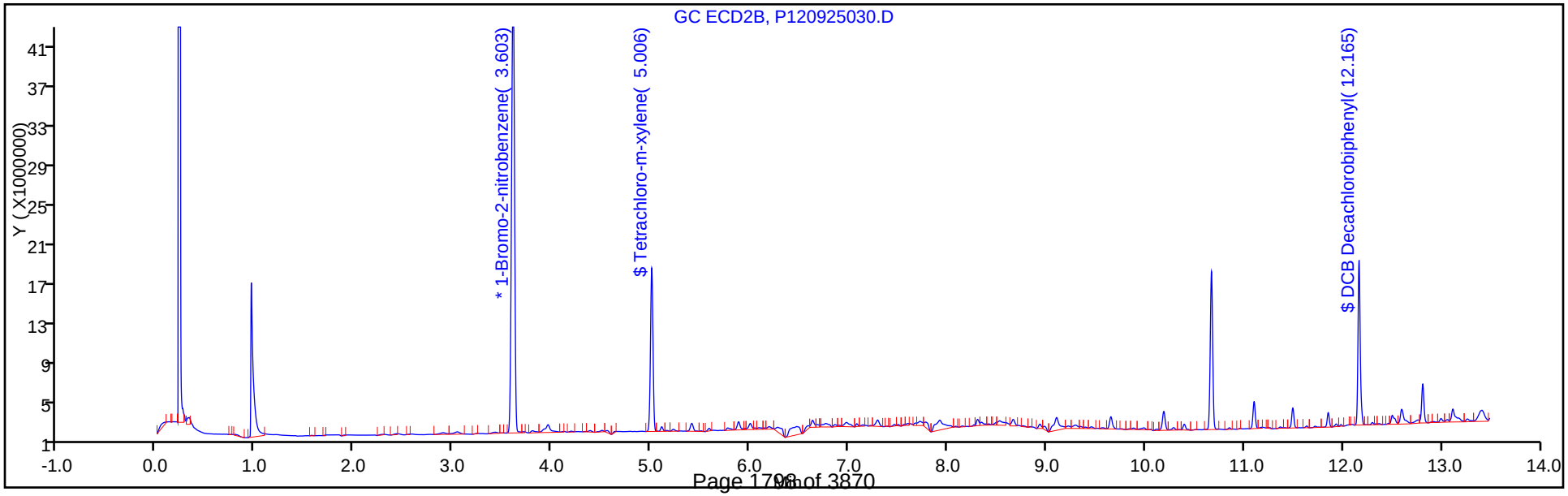
Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925030.D

Injection Date:	25-Sep-2016 22:03:39	Instrument ID:	A2HP12	Operator ID:	
Lims ID:	240-69767-B-45-A	Lab Sample ID:	240-69767-45	Worklist Smp#:	30
Client ID:	DR-SB-256-120-123				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-257-0-3 | Lab Sample ID: 240-69767-47

Matrix: Solid | Lab File ID: P120925032.D

Analysis Method: 8082A | Date Collected: 09/20/2016 08:50

Extraction Method: 3540C | Date Extracted: 09/22/2016 12:46

Sample wt/vol: 9.70(g) | Date Analyzed: 09/25/2016 22:38

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 20.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248312 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	31	U	65	31
11104-28-2	Aroclor-1221	30	U	65	30
11141-16-5	Aroclor-1232	21	U	65	21
53469-21-9	Aroclor-1242	26	U	65	26
12672-29-6	Aroclor-1248	22	U	65	22
11097-69-1	Aroclor-1254	18	U	65	18
11096-82-5	Aroclor-1260	23	U	65	23
37324-23-5	Aroclor-1262	10	U	65	10
11100-14-4	Aroclor-1268	26	U	65	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	56		14-128
2051-24-3	DCB Decachlorobiphenyl	51		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925032.D
Lims ID: 240-69767-B-47-A
Client ID: DR-SB-257-0-3
Sample Type: Client
Inject. Date: 25-Sep-2016 22:38:47 ALS Bottle#: 32 Worklist Smp#: 32
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058326-032
Operator ID: Instrument ID: A2HP12

Method: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\PCB12IS.m
Limit Group: GC 8082A and DoD IS
Last Update: 26-Sep-2016 11:51:35 Calib Date: 05-Sep-2016 20:36:53
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP12\20160902-57717.b\P120905033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK006

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	2.879	2.881	-0.001	390236287	0.0500	
2	3.605	3.607	-0.002	93755428	0.0500	
$ 2 Tetrachloro-m-xylene						
1	4.165	4.166	-0.001	89698591	0.0111	
2	5.008	5.009	-0.001	25160723	0.0114	
					RPD = 2.53	
3 PCB-1221						
1		4.457			ND	
1		4.667				
1		4.722				
2		5.495				
2		5.705				
2		5.791				
4 PCB-1232						
1		4.724			ND	
1		5.221				
1		5.842				
1		6.013				
1		6.541				
2		5.791				
2		6.373				
2		6.986				
2		7.163				
2		7.765				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
5 PCB-1242						
1		4.724			ND	
1		5.222				
1		5.842				
1		6.013				
1		6.542				
2		5.792				
2		6.373				
2		6.987				
2		7.163				
2		7.767				
6 PCB-1016						
1		4.726			ND	
1		5.223				
1		5.841				
1		6.015				
1		6.543				
2		5.793				
2		6.375				
2		6.986				
2		7.164				
2		7.767				
7 PCB-1248						
1		5.222			ND	
1		6.542				
1		7.071				
1		7.336				
1		7.809				
2		6.374				
2		6.984				
2		7.767				
2		8.295				
2		9.079				
8 PCB-1254						
1		7.016			ND	
1		7.342				
1		7.809				
1		8.139				
1		8.680				
2		8.289				
2		8.529				
2		9.078				
2		9.351				
2		9.986				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
10 PCB-1260						
1		8.030			ND	
1		8.361				
1		8.681				
1		9.462				
1		9.777				
2		9.312				
2		9.566				
2		9.986				
2		10.704				
2		11.079				
9 PCB-1262						
1		8.361			ND	
1		8.820				
1		9.098				
1		9.460				
1		9.825				
2		9.565				
2		10.095				
2		10.428				
2		10.704				
2		11.075				
11 PCB-1268						
1		9.826			ND	
1		9.868				
1		10.091				
1		10.482				
1		10.775				
2		11.072				
2		11.119				
2		11.365				
2		11.637				
2		11.936				
$ 12 DCB Decachlorobiphenyl						
1	10.959	10.961	-0.002	73648731	0.0103	
2	12.164	12.166	-0.002	20277442	0.0117	
					RPD = 12.77	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

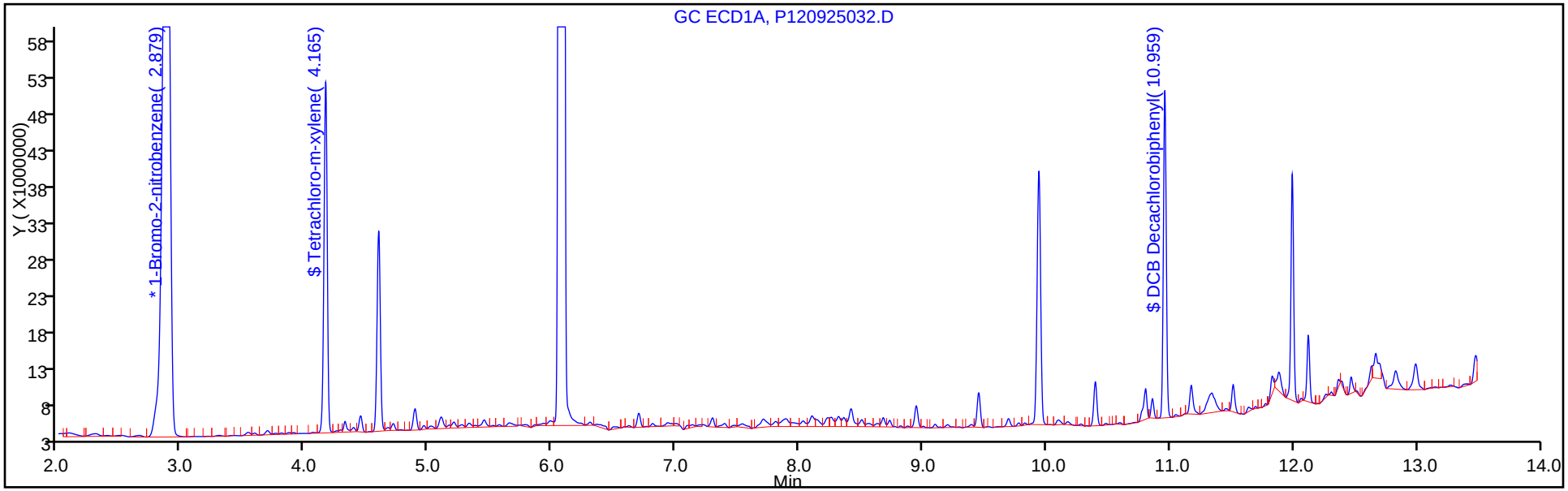
Report Date: 26-Sep-2016 11:51:53 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

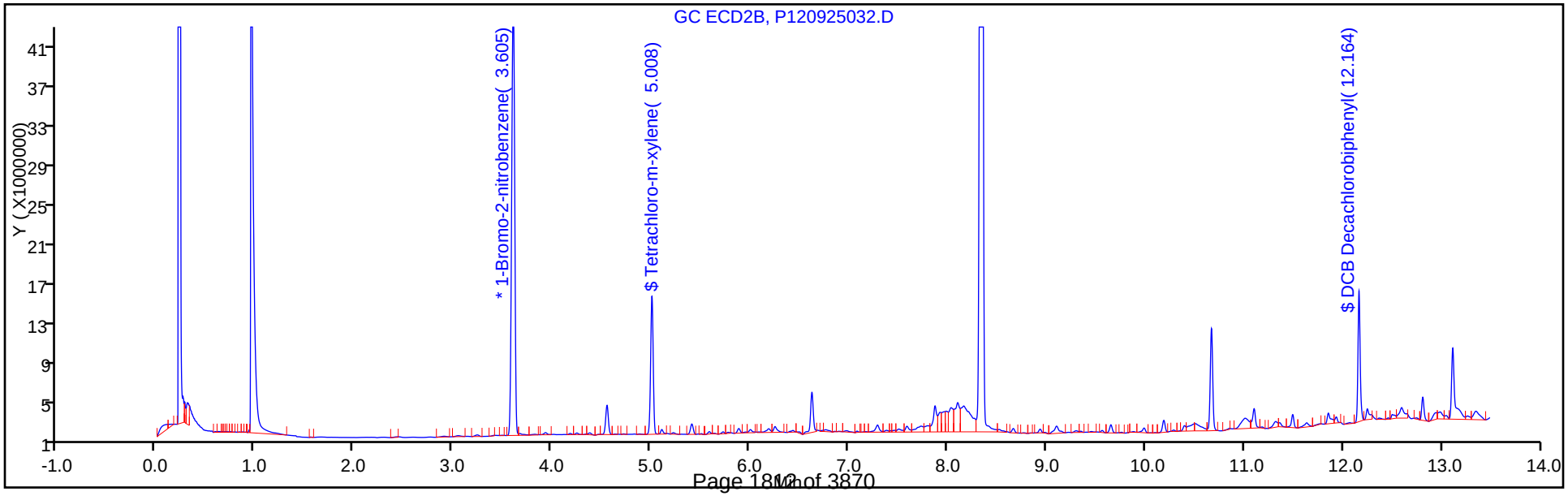
Data File: \\ChromNA\Canton\ChromData\A2HP12\20160925-58326.b\P120925032.D

Injection Date:	25-Sep-2016 22:38:47	Instrument ID:	A2HP12	Operator ID:	
Lims ID:	240-69767-B-47-A	Lab Sample ID:	240-69767-47	Worklist Smp#:	32
Client ID:	DR-SB-257-0-3				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	32
Method:	PCB12IS	Limit Group:	GC 8082A and DoD IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-257-24-27 | Lab Sample ID: 240-69767-48

Matrix: Solid | Lab File ID: SIG10009.D

Analysis Method: 8082A | Date Collected: 09/20/2016 08:51

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 10.38(g) | Date Analyzed: 09/29/2016 10:03

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 13.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	55	27
11104-28-2	Aroclor-1221	25	U	55	25
11141-16-5	Aroclor-1232	18	U	55	18
53469-21-9	Aroclor-1242	22	U	55	22
12672-29-6	Aroclor-1248	19	U	55	19
11097-69-1	Aroclor-1254	16	U	55	16
11096-82-5	Aroclor-1260	20	U	55	20
37324-23-5	Aroclor-1262	8.9	U	55	8.9
11100-14-4	Aroclor-1268	22	U	55	22

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	51		14-128
2051-24-3	DCB Decachlorobiphenyl	68		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10009.D
Lims ID: 240-69767-B-48-A
Client ID: DR-SB-257-24-27
Sample Type: Client
Inject. Date: 29-Sep-2016 10:03:26 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058452-009
Operator ID: Instrument ID: A2HP4

Method: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\PCB4 is.m
Limit Group: GC 8082A IS
Last Update: 30-Sep-2016 07:48:27 Calib Date: 23-Sep-2016 00:25:00
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP4\20160922-58269.b\SIG10033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK026

First Level Reviewer: grantk Date: 29-Sep-2016 14:48:07

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	1.863	1.869	-0.005	352626124	0.0500	
2	2.224	2.235	-0.011	548033360	0.0500	
$ 2 Tetrachloro-m-xylene						
1	2.920	2.898	0.022	87077490	0.0101	
2	3.763	3.756	0.007	139326373	0.0102	
					RPD = 0.50	
3 PCB-1221						
1		3.234			ND	
1		3.484				
1		3.552				
2		4.339				
2		4.587				
2		4.689				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
6 PCB-1016						
1		3.545			ND	
1		4.146				
1		4.890				
1		5.090				
1		5.469				
2		4.684				
2		5.363				
2		6.073				
2		6.268				
2		6.890				
4 PCB-1232						
1		3.549			ND	
1		4.149				
1		4.892				
1		5.092				
1		5.469				
2		4.684				
2		5.364				
2		6.073				
2		6.269				
2		6.894				
5 PCB-1242						
1		3.553			ND	
1		4.153				
1		4.897				
1		5.096				
1		5.477				
2		4.688				
2		5.367				
2		6.077				
2		6.272				
2		6.615				
7 PCB-1248						
1		4.151			ND	
1		5.396				
1		6.351				
1		6.605				
1		7.074				
2		5.365				
2		6.073				
2		7.039				
2		7.384				
2		8.047				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1		6.268			ND	
1		6.612				
1		7.075				
1		7.380				
1		7.852				
2		7.381				
2		7.592				
2		8.049				
2		8.267				
2		8.750				
10 PCB-1260						
1		7.275			ND	
1		7.569				
1		7.844				
1		8.473				
1		8.720				
2		8.229				
2		8.425				
2		8.742				
2		9.288				
2		9.590				
9 PCB-1262						
1		7.576			ND	
1		7.968				
1		8.196				
1		8.480				
1		8.762				
2		8.430				
2		8.829				
2		9.083				
2		9.293				
2		9.593				
11 PCB-1268						
1		8.764			ND	
1		8.798				
1		8.964				
1		9.259				
1		9.493				
2		9.592				
2		9.630				
2		9.837				
2		10.062				
2		10.323				
$ 12 DCB Decachlorobiphenyl						
1	9.657	9.639	0.018	72756992	0.0125	
2	10.540	10.525	0.015	85167102	0.0137	
					RPD = 8.94	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

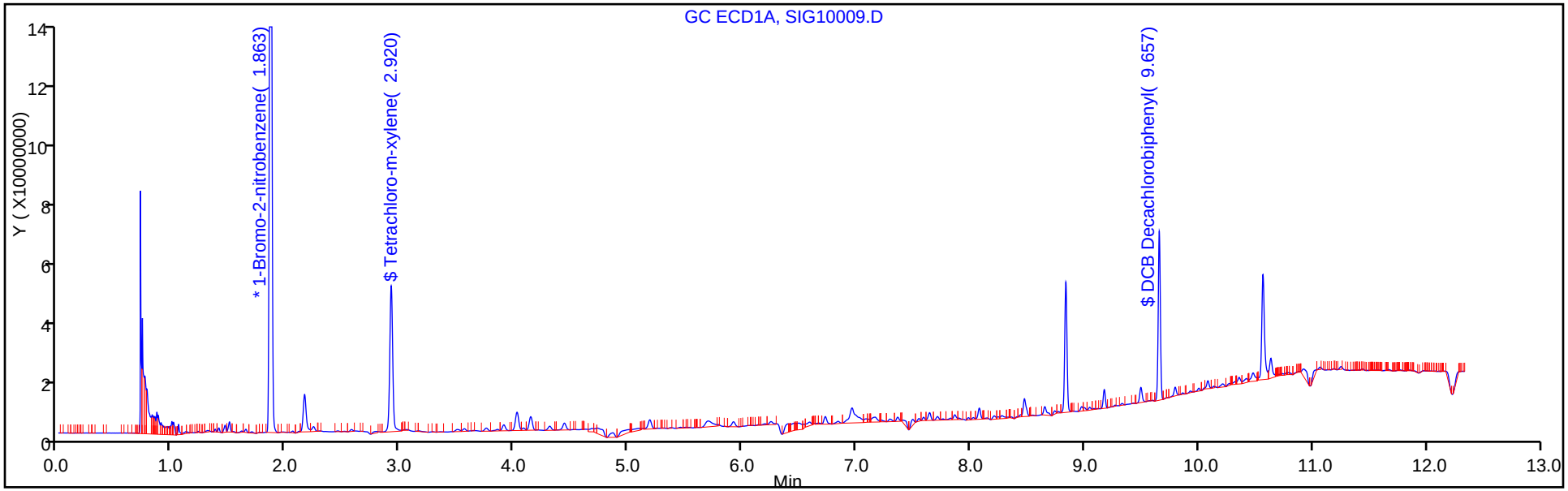
Report Date: 30-Sep-2016 07:49:59 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

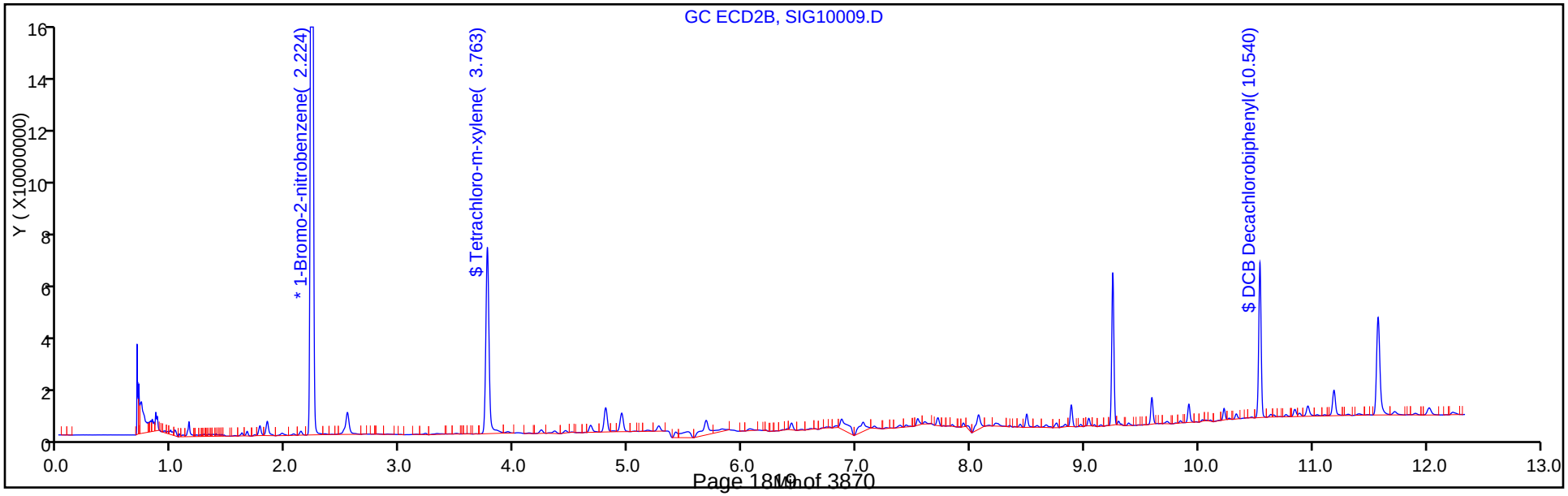
Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10009.D

Injection Date:	29-Sep-2016 10:03:26	Instrument ID:	A2HP4	Operator ID:	
Lims ID:	240-69767-B-48-A	Lab Sample ID:	240-69767-48	Worklist Smp#:	9
Client ID:	DR-SB-257-24-27				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	PCB4 is	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-257-48-51 | Lab Sample ID: 240-69767-49

Matrix: Solid | Lab File ID: SIG10010.D

Analysis Method: 8082A | Date Collected: 09/20/2016 08:52

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.64(g) | Date Analyzed: 09/29/2016 10:20

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 18.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11097-69-1	Aroclor-1254	18	U	64	18

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	50		14-128
2051-24-3	DCB Decachlorobiphenyl	59		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10010.D
Lims ID: 240-69767-B-49-A
Client ID: DR-SB-257-48-51
Sample Type: Client
Inject. Date: 29-Sep-2016 10:20:54 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058452-010
Operator ID: Instrument ID: A2HP4

Method: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\PCB4 is.m
Limit Group: GC 8082A IS
Last Update: 30-Sep-2016 07:48:27 Calib Date: 23-Sep-2016 00:25:00
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP4\20160922-58269.b\SIG10033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK026

First Level Reviewer: grantk Date: 29-Sep-2016 14:49:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	1.857	1.869	-0.012	379259316	0.0500	
2	2.224	2.235	-0.011	543071831	0.0500	
$ 2 Tetrachloro-m-xylene						
1	2.910	2.898	0.012	91519047	0.0099	
2	3.764	3.756	0.008	151680332	0.0112	
					RPD = 11.91	
3 PCB-1221						
1		3.234			ND	
1		3.484				
1		3.552				
2		4.339				
2		4.587				
2		4.689				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
6 PCB-1016						
1		3.545			ND	
1		4.146				
1		4.890				
1		5.090				
1		5.469				
2		4.684				
2		5.363				
2		6.073				
2		6.268				
2		6.890				
4 PCB-1232						
1		3.549			ND	
1		4.149				
1		4.892				
1		5.092				
1		5.469				
2		4.684				
2		5.364				
2		6.073				
2		6.269				
2		6.894				
5 PCB-1242						
1		3.553			ND	
1		4.153				
1		4.897				
1		5.096				
1		5.477				
2		4.688				
2		5.367				
2		6.077				
2		6.272				
2		6.615				
7 PCB-1248						
1		4.151			ND	
1		5.396				
1		6.351				
1		6.605				
1		7.074				
2		5.365				
2		6.073				
2		7.039				
2		7.384				
2		8.047				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	0.000	6.268	0.000	0	0	
1	0.000	6.612	0.000	0	0	
1	7.078	7.075	0.003	8992070	0.0109	
1	7.383	7.380	0.003	6100916	0.0140	
1	7.857	7.852	0.005	6942077	0.0117	
		Average of Peak Amounts =			0.0122	
2	0.000	7.381	0.000	0	0	
2	7.595	7.592	0.003	17500151	0.0377	
2	8.058	8.049	0.009	19456521	0.0320	
2	8.269	8.267	0.002	8670936	0.0260	
2	8.752	8.750	0.002	10188002	0.0197	
		Average of Peak Amounts =			0.0289	
					RPD = 81.07	
10 PCB-1260						
1		7.275			ND	
1		7.569				
1		7.844				
1		8.473				
1		8.720				
2		8.229				
2		8.425				
2		8.742				
2		9.288				
2		9.590				
9 PCB-1262						
1		7.576			ND	
1		7.968				
1		8.196				
1		8.480				
1		8.762				
2		8.430				
2		8.829				
2		9.083				
2		9.293				
2		9.593				
11 PCB-1268						
1		8.764			ND	
1		8.798				
1		8.964				
1		9.259				
1		9.493				
2		9.592				
2		9.630				
2		9.837				
2		10.062				
2		10.323				
$ 12 DCB Decachlorobiphenyl						
1	9.647	9.639	0.008	73647018	0.0117	
2	10.535	10.525	0.010	91107367	0.0148	
					RPD = 23.11	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

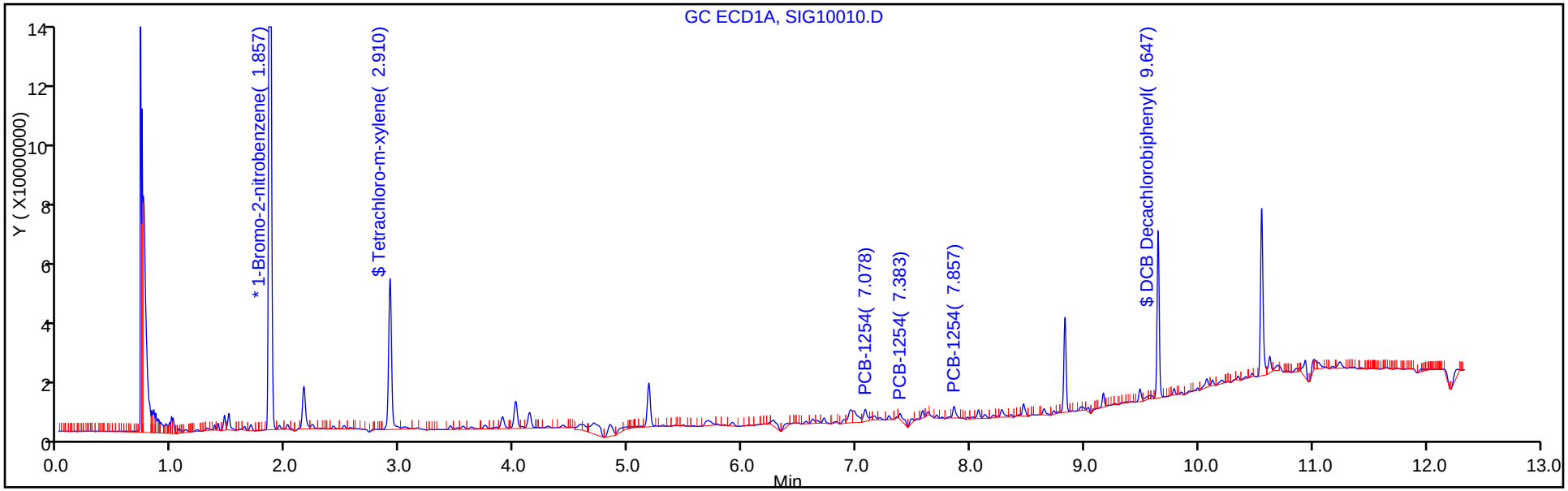
Report Date: 30-Sep-2016 07:49:55 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

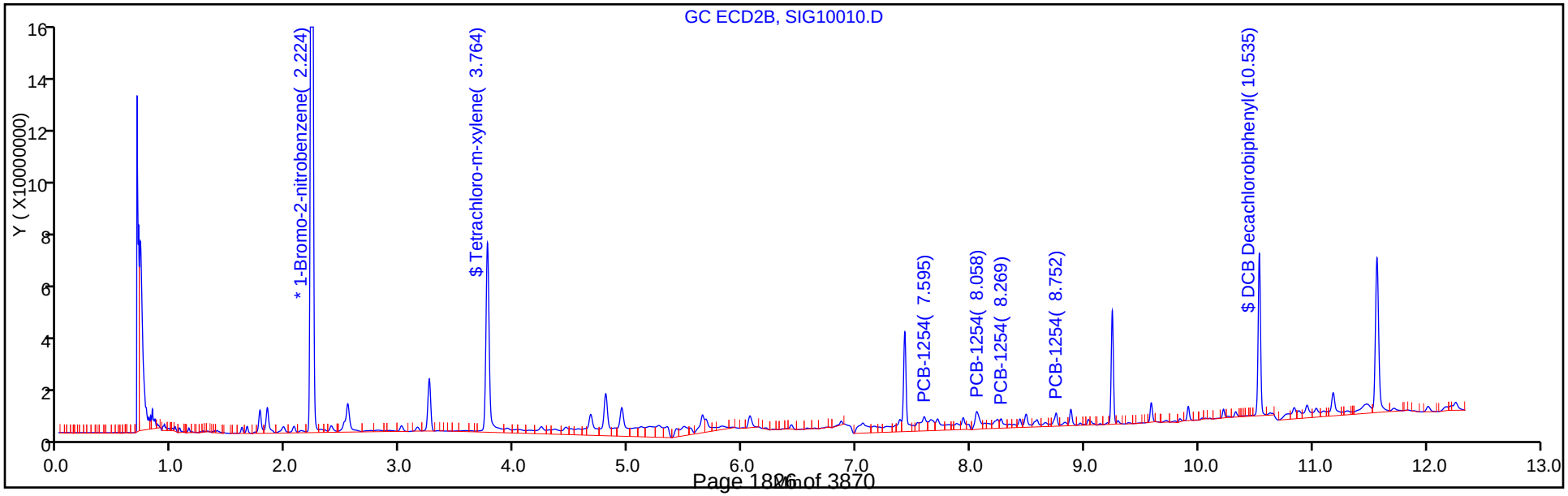
Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10010.D

Injection Date:	29-Sep-2016 10:20:54	Instrument ID:	A2HP4	Operator ID:	
Lims ID:	240-69767-B-49-A	Lab Sample ID:	240-69767-49	Worklist Smp#:	10
Client ID:	DR-SB-257-48-51				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	PCB4 is	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 30-Sep-2016 07:49:55 Chrom Revision: 2.2 08-Sep-2016 14:45:52

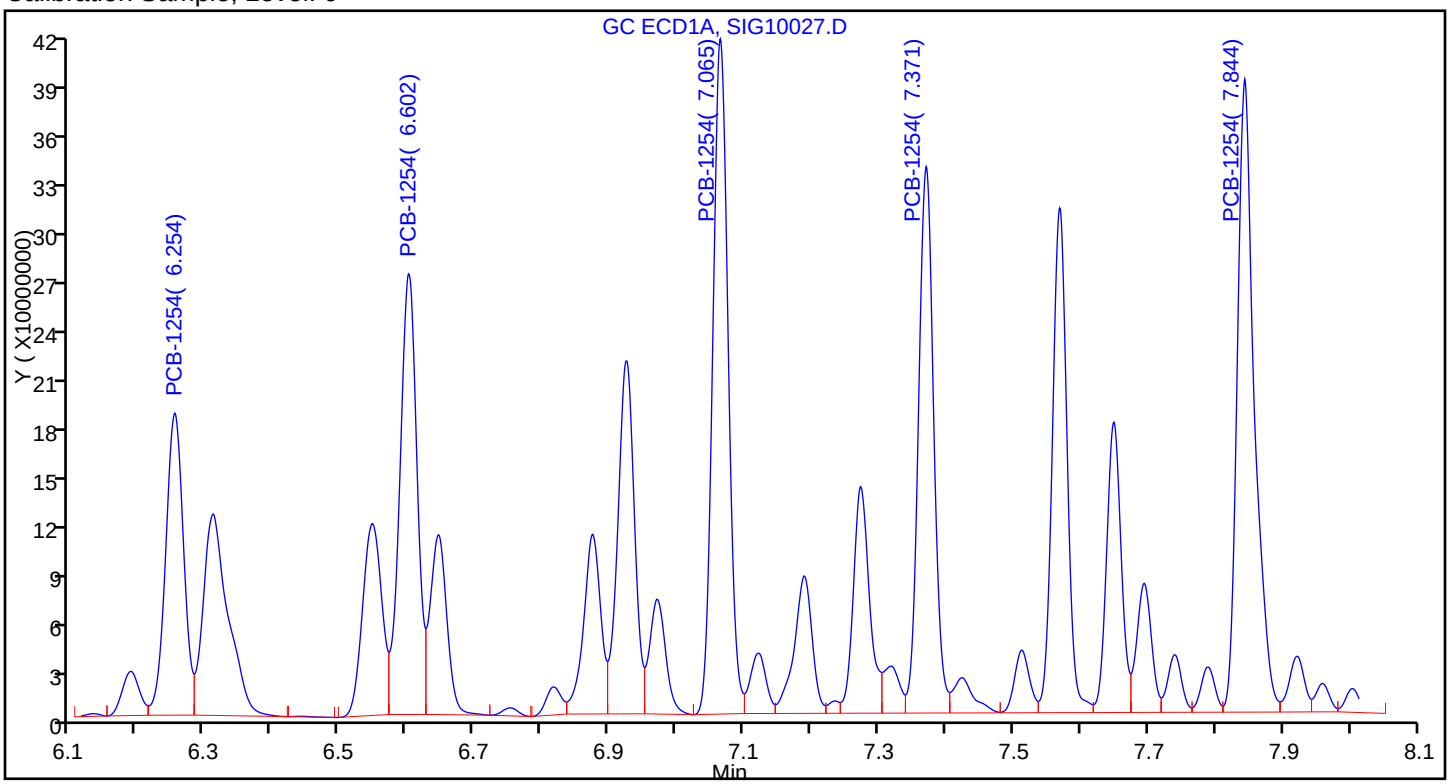
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10010.D

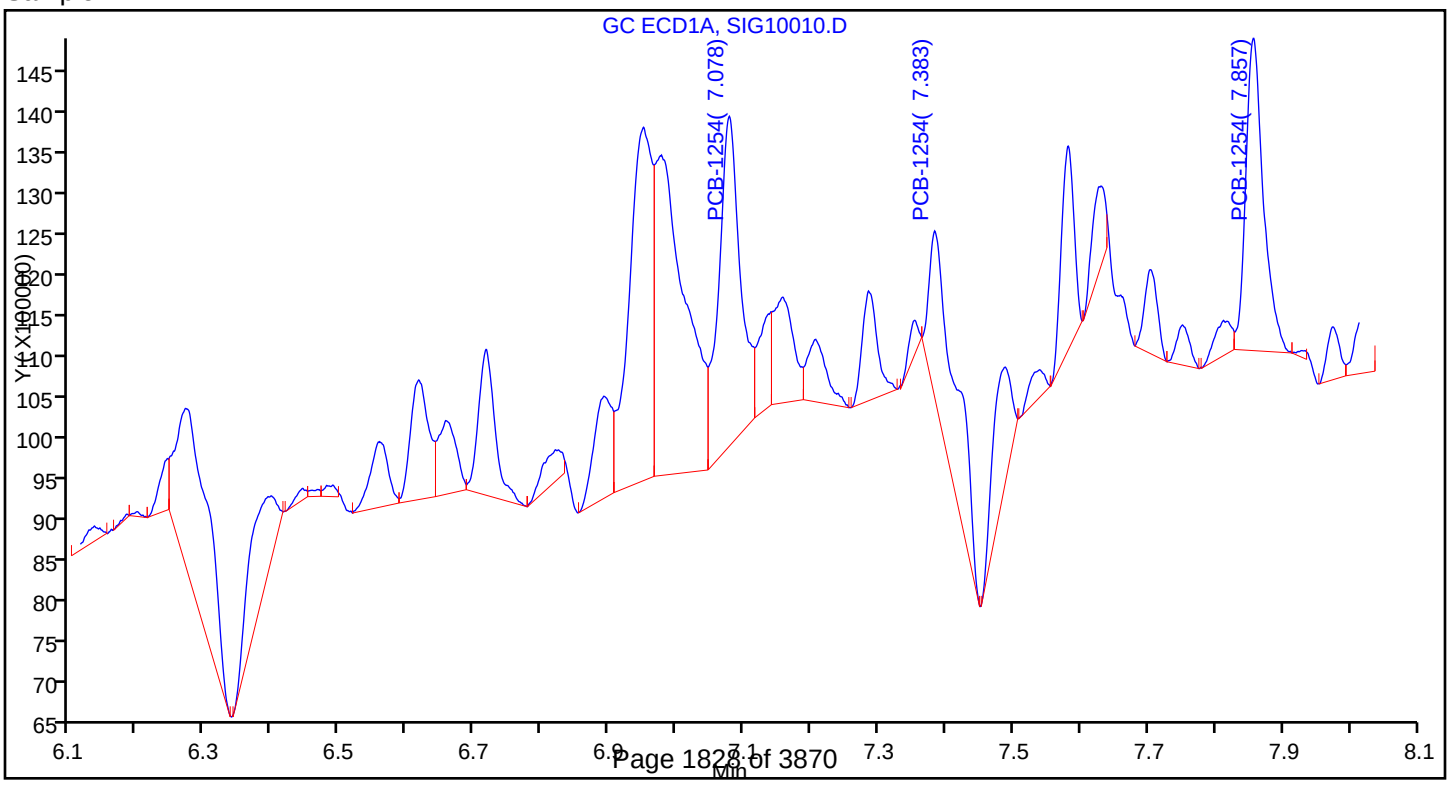
Injection Date:	29-Sep-2016 10:20:54	Instrument ID:	A2HP4		
Lims ID:	240-69767-B-49-A	Lab Sample ID:	240-69767-49		
Client ID:	DR-SB-257-48-51				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB4 is	Limit Group:	GC 8082A IS		
Column:		Detector	GC ECD1A		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-257-48-51 | Lab Sample ID: 240-69767-49

Matrix: Solid | Lab File ID: SIG10010.D

Analysis Method: 8082A | Date Collected: 09/20/2016 08:52

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.64(g) | Date Analyzed: 09/29/2016 10:20

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 18.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	30	U	64	30
11104-28-2	Aroclor-1221	29	U	64	29
11141-16-5	Aroclor-1232	20	U	64	20
53469-21-9	Aroclor-1242	25	U	64	25
12672-29-6	Aroclor-1248	22	U	64	22
11096-82-5	Aroclor-1260	23	U	64	23
37324-23-5	Aroclor-1262	10	U	64	10
11100-14-4	Aroclor-1268	25	U	64	25

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	56		14-128
2051-24-3	DCB Decachlorobiphenyl	74		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10010.D
Lims ID: 240-69767-B-49-A
Client ID: DR-SB-257-48-51
Sample Type: Client
Inject. Date: 29-Sep-2016 10:20:54 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058452-010
Operator ID: Instrument ID: A2HP4

Method: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\PCB4 is.m
Limit Group: GC 8082A IS
Last Update: 30-Sep-2016 07:48:27 Calib Date: 23-Sep-2016 00:25:00
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP4\20160922-58269.b\SIG10033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK026

First Level Reviewer: grantk Date: 29-Sep-2016 14:49:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	1.857	1.869	-0.012	379259316	0.0500	
2	2.224	2.235	-0.011	543071831	0.0500	
$ 2 Tetrachloro-m-xylene						
1	2.910	2.898	0.012	91519047	0.0099	
2	3.764	3.756	0.008	151680332	0.0112	
					RPD = 11.91	
3 PCB-1221						
1		3.234			ND	
1		3.484				
1		3.552				
2		4.339				
2		4.587				
2		4.689				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
6 PCB-1016						
1		3.545			ND	
1		4.146				
1		4.890				
1		5.090				
1		5.469				
2		4.684				
2		5.363				
2		6.073				
2		6.268				
2		6.890				
4 PCB-1232						
1		3.549			ND	
1		4.149				
1		4.892				
1		5.092				
1		5.469				
2		4.684				
2		5.364				
2		6.073				
2		6.269				
2		6.894				
5 PCB-1242						
1		3.553			ND	
1		4.153				
1		4.897				
1		5.096				
1		5.477				
2		4.688				
2		5.367				
2		6.077				
2		6.272				
2		6.615				
7 PCB-1248						
1		4.151			ND	
1		5.396				
1		6.351				
1		6.605				
1		7.074				
2		5.365				
2		6.073				
2		7.039				
2		7.384				
2		8.047				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	0.000	6.268	0.000	0	0	
1	0.000	6.612	0.000	0	0	
1	7.078	7.075	0.003	8992070	0.0109	
1	7.383	7.380	0.003	6100916	0.0140	
1	7.857	7.852	0.005	6942077	0.0117	
		Average of Peak Amounts =			0.0122	
2	0.000	7.381	0.000	0	0	
2	7.595	7.592	0.003	17500151	0.0377	
2	8.058	8.049	0.009	19456521	0.0320	
2	8.269	8.267	0.002	8670936	0.0260	
2	8.752	8.750	0.002	10188002	0.0197	
		Average of Peak Amounts =			0.0289	
					RPD = 81.07	
10 PCB-1260						
1		7.275			ND	
1		7.569				
1		7.844				
1		8.473				
1		8.720				
2		8.229				
2		8.425				
2		8.742				
2		9.288				
2		9.590				
9 PCB-1262						
1		7.576			ND	
1		7.968				
1		8.196				
1		8.480				
1		8.762				
2		8.430				
2		8.829				
2		9.083				
2		9.293				
2		9.593				
11 PCB-1268						
1		8.764			ND	
1		8.798				
1		8.964				
1		9.259				
1		9.493				
2		9.592				
2		9.630				
2		9.837				
2		10.062				
2		10.323				
$ 12 DCB Decachlorobiphenyl						
1	9.647	9.639	0.008	73647018	0.0117	
2	10.535	10.525	0.010	91107367	0.0148	
					RPD = 23.11	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

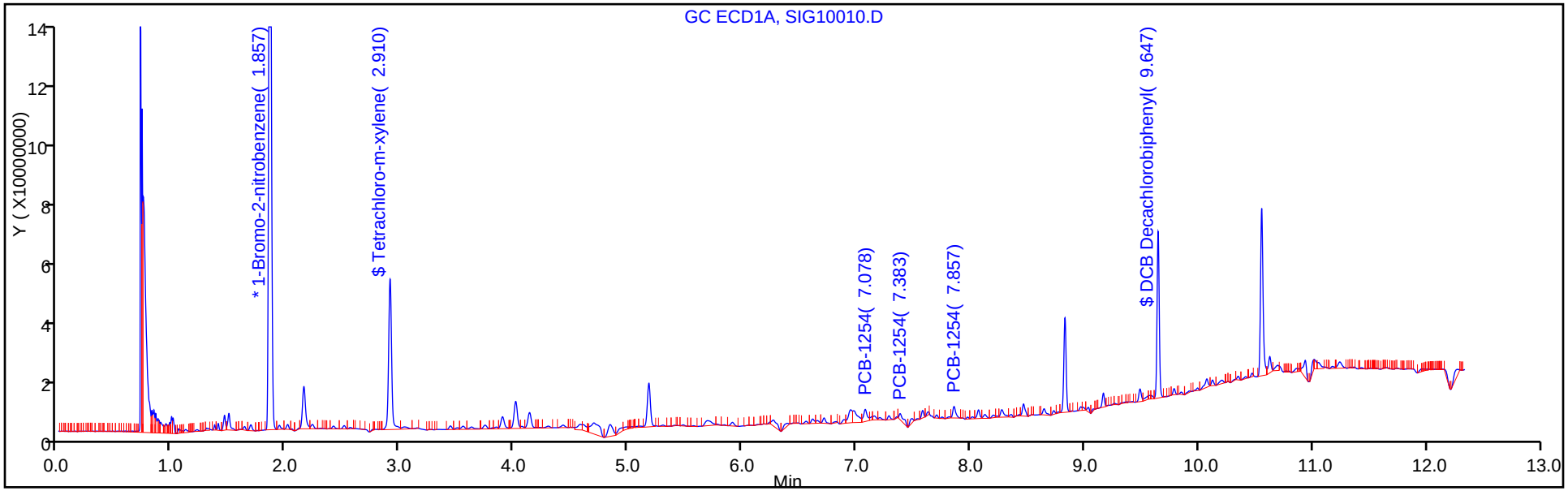
Report Date: 30-Sep-2016 07:49:56 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

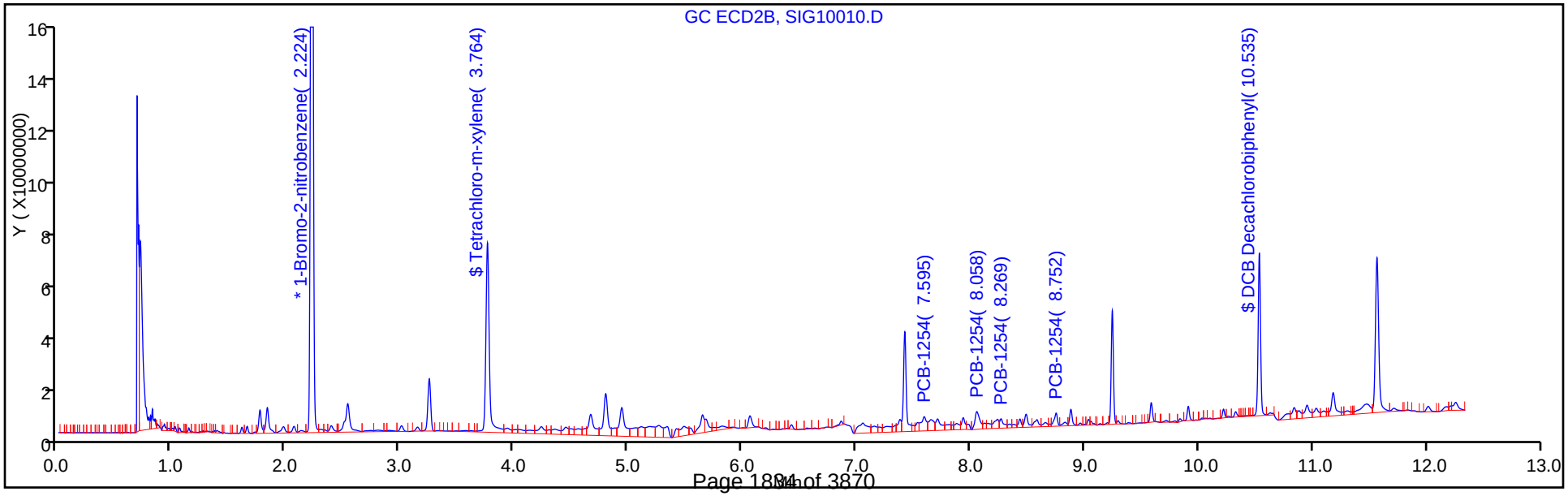
Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10010.D

Injection Date:	29-Sep-2016 10:20:54	Instrument ID:	A2HP4	Operator ID:	
Lims ID:	240-69767-B-49-A	Lab Sample ID:	240-69767-49	Worklist Smp#:	10
Client ID:	DR-SB-257-48-51				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	PCB4 is	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 30-Sep-2016 07:49:56 Chrom Revision: 2.2 08-Sep-2016 14:45:52

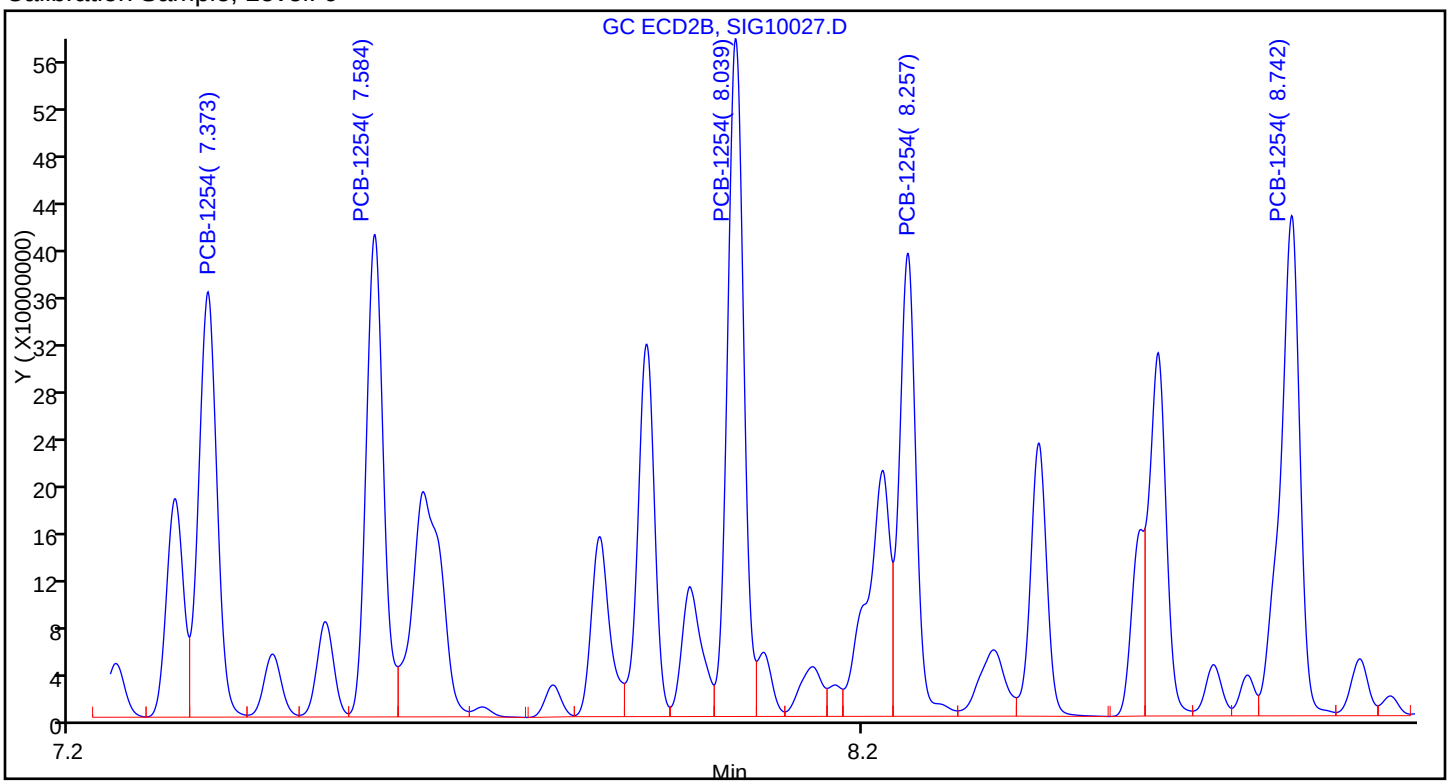
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10010.D

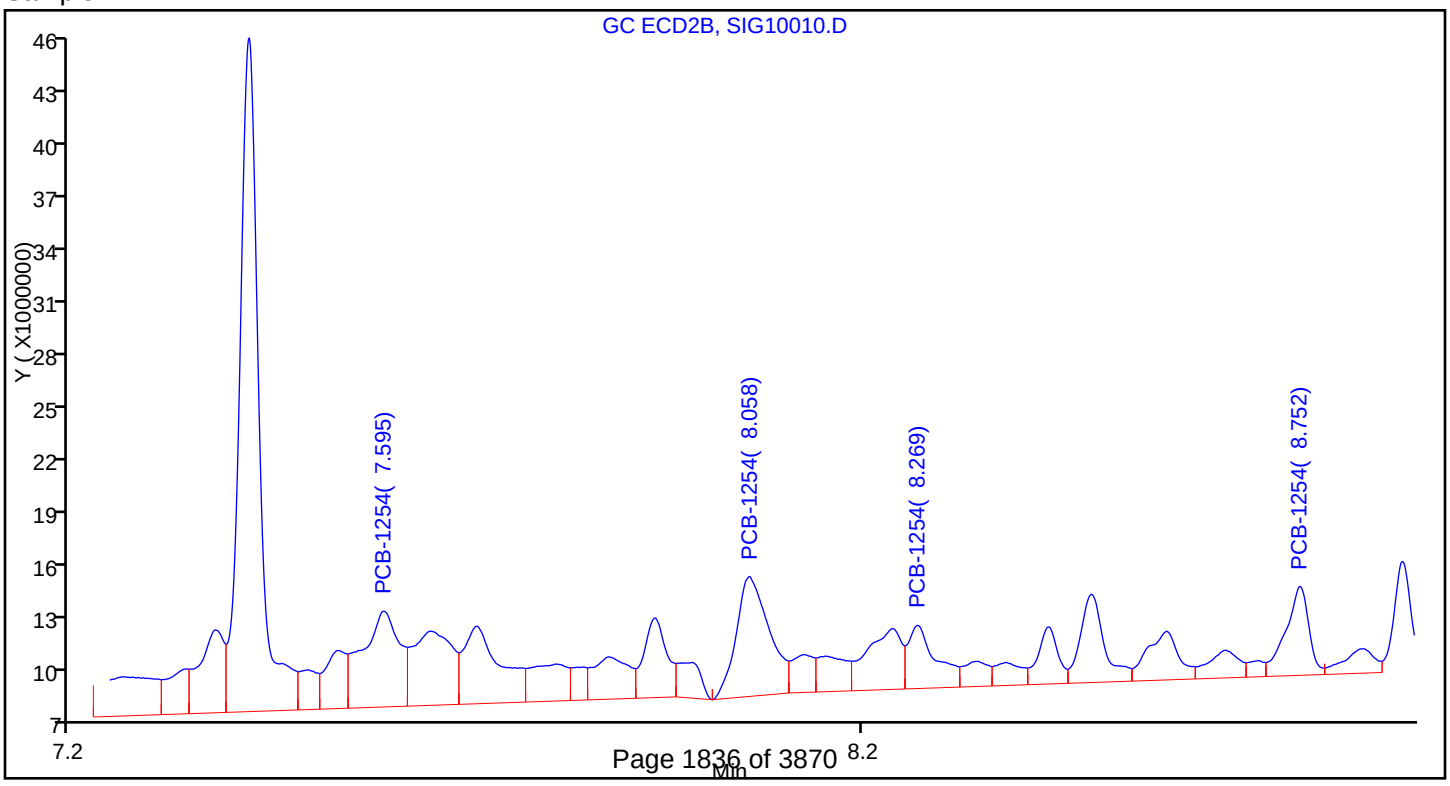
Injection Date:	29-Sep-2016 10:20:54	Instrument ID:	A2HP4		
Lims ID:	240-69767-B-49-A	Lab Sample ID:	240-69767-49		
Client ID:	DR-SB-257-48-51				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB4 is	Limit Group:	GC 8082A IS		
Column:		Detector	GC ecd2b		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-258-0-3 | Lab Sample ID: 240-69767-54

Matrix: Solid | Lab File ID: SIG10015.D

Analysis Method: 8082A | Date Collected: 09/20/2016 11:00

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.93(g) | Date Analyzed: 09/29/2016 11:49

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 12.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	27	U	57	27
11104-28-2	Aroclor-1221	26	U	57	26
11141-16-5	Aroclor-1232	18	U	57	18
53469-21-9	Aroclor-1242	23	U	57	23
12672-29-6	Aroclor-1248	19	U	57	19
11097-69-1	Aroclor-1254	16	U	57	16
11096-82-5	Aroclor-1260	21	U	57	21
37324-23-5	Aroclor-1262	9.2	U	57	9.2
11100-14-4	Aroclor-1268	23	U	57	23

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	50		14-128
2051-24-3	DCB Decachlorobiphenyl	94		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10015.D
Lims ID: 240-69767-B-54-A
Client ID: DR-SB-258-0-3
Sample Type: Client
Inject. Date: 29-Sep-2016 11:49:35 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058452-015
Operator ID: Instrument ID: A2HP4

Method: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\PCB4 is.m
Limit Group: GC 8082A IS
Last Update: 30-Sep-2016 07:48:27 Calib Date: 23-Sep-2016 00:25:00
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP4\20160922-58269.b\SIG10033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK026

First Level Reviewer: grantk Date: 29-Sep-2016 14:56:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	1.848	1.869	-0.020	352020541	0.0500	
2	2.216	2.235	-0.019	545278275	0.0500	
$ 2 Tetrachloro-m-xylene						
1	2.903	2.898	0.005	87943588	0.0103	
2	3.762	3.756	0.006	136377102	0.0100	
					RPD = 2.25	
3 PCB-1221						
1		3.234			ND	
1		3.484				
1		3.552				
2		4.339				
2		4.587				
2		4.689				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
6 PCB-1016						
1		3.545			ND	
1		4.146				
1		4.890				
1		5.090				
1		5.469				
2		4.684				
2		5.363				
2		6.073				
2		6.268				
2		6.890				
4 PCB-1232						
1		3.549			ND	
1		4.149				
1		4.892				
1		5.092				
1		5.469				
2		4.684				
2		5.364				
2		6.073				
2		6.269				
2		6.894				
5 PCB-1242						
1		3.553			ND	
1		4.153				
1		4.897				
1		5.096				
1		5.477				
2		4.688				
2		5.367				
2		6.077				
2		6.272				
2		6.615				
7 PCB-1248						
1		4.151			ND	
1		5.396				
1		6.351				
1		6.605				
1		7.074				
2		5.365				
2		6.073				
2		7.039				
2		7.384				
2		8.047				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1		6.268			ND	
1		6.612				
1		7.075				
1		7.380				
1		7.852				
2		7.381				
2		7.592				
2		8.049				
2		8.267				
2		8.750				
10 PCB-1260						
1		7.275			ND	
1		7.569				
1		7.844				
1		8.473				
1		8.720				
2		8.229				
2		8.425				
2		8.742				
2		9.288				
2		9.590				
9 PCB-1262						
1		7.576			ND	
1		7.968				
1		8.196				
1		8.480				
1		8.762				
2		8.430				
2		8.829				
2		9.083				
2		9.293				
2		9.593				
11 PCB-1268						
1		8.764			ND	
1		8.798				
1		8.964				
1		9.259				
1		9.493				
2		9.592				
2		9.630				
2		9.837				
2		10.062				
2		10.323				
$ 12 DCB Decachlorobiphenyl						
1	9.643	9.639	0.004	77525120	0.0134	
2	10.530	10.525	0.005	115365939	0.0188	
					RPD = 33.86	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

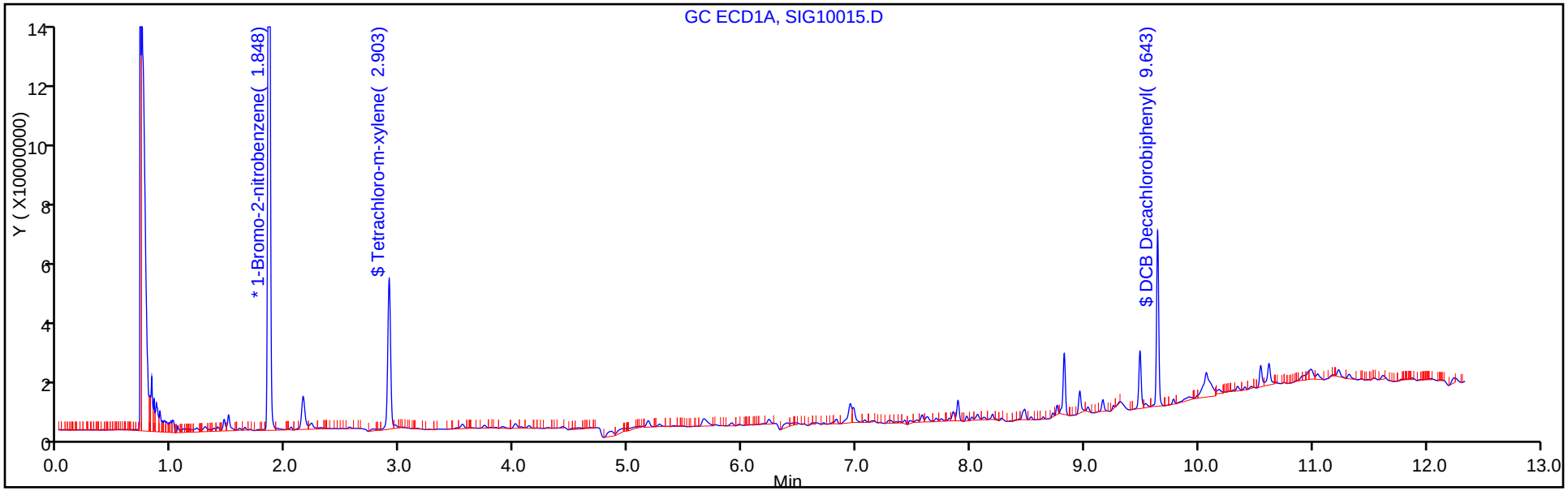
Report Date: 30-Sep-2016 07:49:30 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

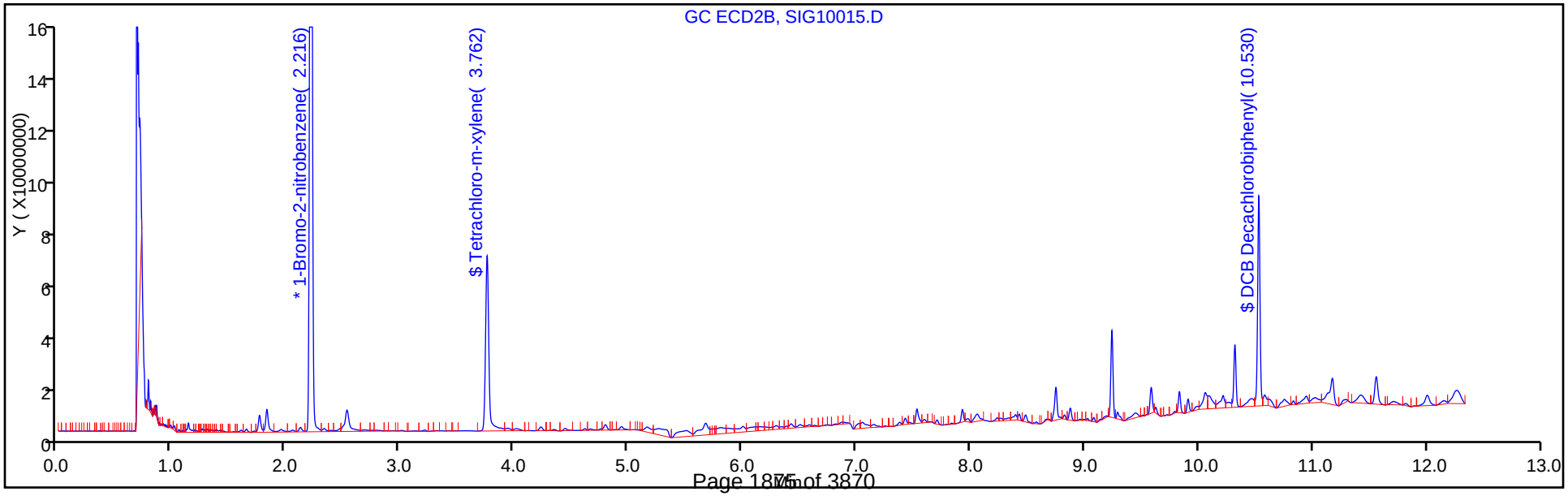
Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10015.D

Injection Date:	29-Sep-2016 11:49:35	Instrument ID:	A2HP4	Operator ID:	
Lims ID:	240-69767-B-54-A	Lab Sample ID:	240-69767-54	Worklist Smp#:	15
Client ID:	DR-SB-258-0-3				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	PCB4 is	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-SB-258-144-145 | Lab Sample ID: 240-69767-60

Matrix: Solid | Lab File ID: SIG10021.D

Analysis Method: 8082A | Date Collected: 09/20/2016 11:06

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.97(g) | Date Analyzed: 09/29/2016 13:37

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 16.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	29	U	60	29
11104-28-2	Aroclor-1221	28	U	60	28
11141-16-5	Aroclor-1232	19	U	60	19
53469-21-9	Aroclor-1242	24	U	60	24
12672-29-6	Aroclor-1248	20	U	60	20
11097-69-1	Aroclor-1254	17	U	60	17
11096-82-5	Aroclor-1260	22	U	60	22
37324-23-5	Aroclor-1262	9.6	U	60	9.6
11100-14-4	Aroclor-1268	24	U	60	24

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	50		14-128
2051-24-3	DCB Decachlorobiphenyl	65		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10021.D
Lims ID: 240-69767-B-60-A
Client ID: DR-SB-258-144-145
Sample Type: Client
Inject. Date: 29-Sep-2016 13:37:41 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058452-021
Operator ID: Instrument ID: A2HP4

Method: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\PCB4 is.m
Limit Group: GC 8082A IS
Last Update: 30-Sep-2016 07:48:27 Calib Date: 23-Sep-2016 00:25:00
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP4\20160922-58269.b\SIG10033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK026

First Level Reviewer: grantk Date: 29-Sep-2016 14:59:44

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	1.853	1.869	-0.016	379452157	0.0500	
2	2.221	2.235	-0.015	585278223	0.0500	
$ 2 Tetrachloro-m-xylene						
1	2.908	2.898	0.010	90900390	0.009832	
2	3.762	3.756	0.006	145198400	0.0100	
					RPD = 1.23	
3 PCB-1221						
1		3.234			ND	
1		3.484				
1		3.552				
2		4.339				
2		4.587				
2		4.689				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
6 PCB-1016						
1		3.545			ND	
1		4.146				
1		4.890				
1		5.090				
1		5.469				
2		4.684				
2		5.363				
2		6.073				
2		6.268				
2		6.890				
4 PCB-1232						
1		3.549			ND	
1		4.149				
1		4.892				
1		5.092				
1		5.469				
2		4.684				
2		5.364				
2		6.073				
2		6.269				
2		6.894				
5 PCB-1242						
1		3.553			ND	
1		4.153				
1		4.897				
1		5.096				
1		5.477				
2		4.688				
2		5.367				
2		6.077				
2		6.272				
2		6.615				
7 PCB-1248						
1		4.151			ND	
1		5.396				
1		6.351				
1		6.605				
1		7.074				
2		5.365				
2		6.073				
2		7.039				
2		7.384				
2		8.047				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1		6.268			ND	
1		6.612				
1		7.075				
1		7.380				
1		7.852				
2		7.381				
2		7.592				
2		8.049				
2		8.267				
2		8.750				
10 PCB-1260						
1		7.275			ND	
1		7.569				
1		7.844				
1		8.473				
1		8.720				
2		8.229				
2		8.425				
2		8.742				
2		9.288				
2		9.590				
9 PCB-1262						
1		7.576			ND	
1		7.968				
1		8.196				
1		8.480				
1		8.762				
2		8.430				
2		8.829				
2		9.083				
2		9.293				
2		9.593				
11 PCB-1268						
1		8.764			ND	
1		8.798				
1		8.964				
1		9.259				
1		9.493				
2		9.592				
2		9.630				
2		9.837				
2		10.062				
2		10.323				
$ 12 DCB Decachlorobiphenyl						
1	9.646	9.639	0.007	61676499	0.009743	
2	10.532	10.525	0.007	86387583	0.0129	
					RPD = 28.25	

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

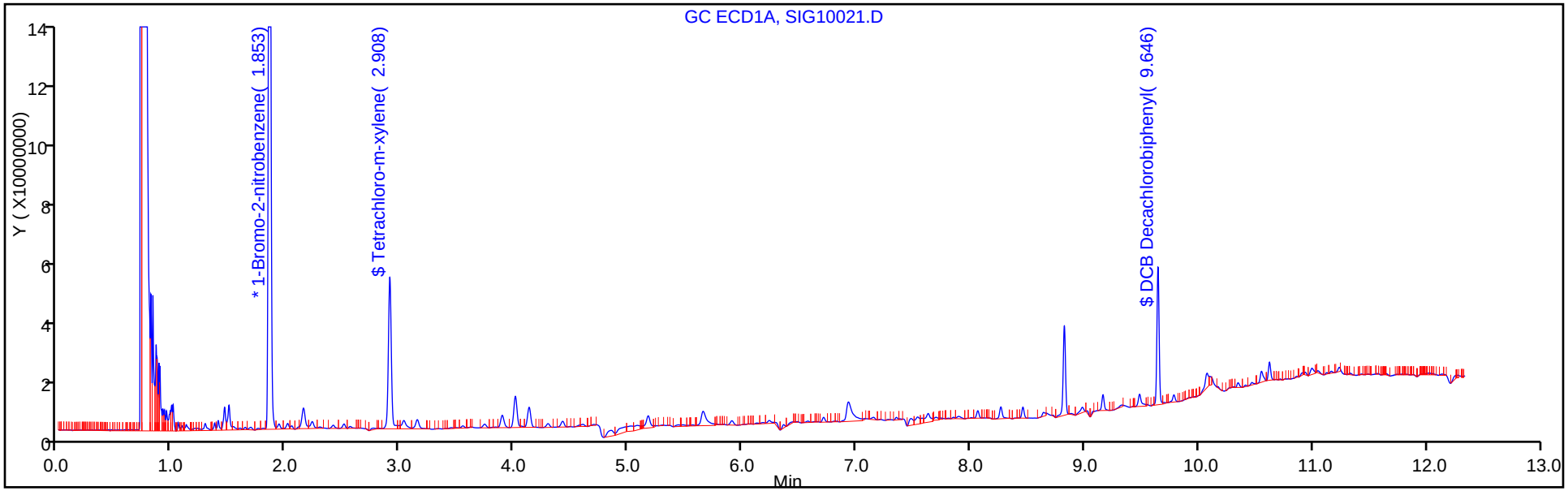
Report Date: 30-Sep-2016 07:49:06 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

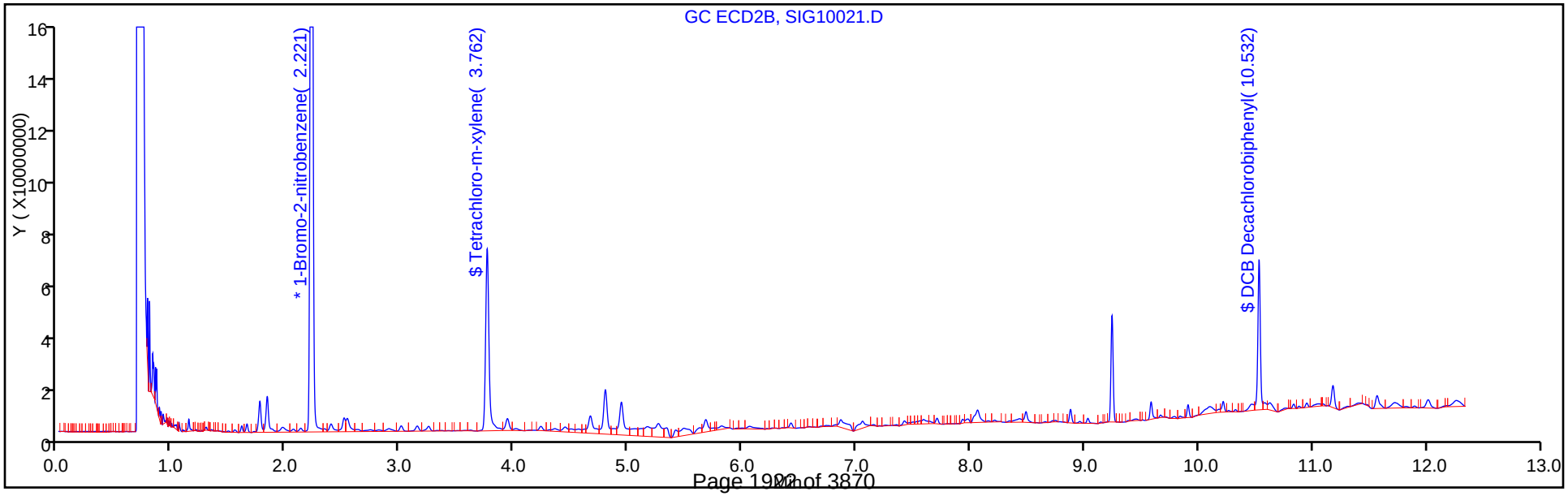
Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10021.D

Injection Date:	29-Sep-2016 13:37:41	Instrument ID:	A2HP4	Operator ID:	
Lims ID:	240-69767-B-60-A	Lab Sample ID:	240-69767-60	Worklist Smp#:	21
Client ID:	DR-SB-258-144-145				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	PCB4 is	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-TP-A64-PRE-EX | Lab Sample ID: 240-69767-61

Matrix: Solid | Lab File ID: SIG10022.D

Analysis Method: 8082A | Date Collected: 09/20/2016 11:45

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.72(g) | Date Analyzed: 09/29/2016 13:56

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-1 (0.53mm) ID: 0.53(mm)

% Moisture: 21.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
11097-69-1	Aroclor-1254	18	U	65	18

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	45		14-128
2051-24-3	DCB Decachlorobiphenyl	62	*p*	10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10022.D
Lims ID: 240-69767-D-61-A
Client ID: DR-TP-A64-PRE-EX
Sample Type: Client
Inject. Date: 29-Sep-2016 13:56:12 ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058452-022
Operator ID: Instrument ID: A2HP4

Method: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\PCB4 is.m
Limit Group: GC 8082A IS
Last Update: 30-Sep-2016 07:48:27 Calib Date: 23-Sep-2016 00:25:00
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP4\20160922-58269.b\SIG10033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK026

First Level Reviewer: grantk Date: 29-Sep-2016 15:00:35

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	1.855	1.869	-0.013	390013062	0.0500	
2	2.221	2.235	-0.014	551934144	0.0500	
$ 2 Tetrachloro-m-xylene						
1	2.909	2.898	0.011	85706616	0.009005	
2	3.765	3.756	0.009	132660929	0.009655	
					RPD = 6.97	
3 PCB-1221						
1		3.234			ND	
1		3.484				
1		3.552				
2		4.339				
2		4.587				
2		4.689				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
6 PCB-1016						
1		3.545			ND	
1		4.146				
1		4.890				
1		5.090				
1		5.469				
2		4.684				
2		5.363				
2		6.073				
2		6.268				
2		6.890				
4 PCB-1232						
1		3.549			ND	
1		4.149				
1		4.892				
1		5.092				
1		5.469				
2		4.684				
2		5.364				
2		6.073				
2		6.269				
2		6.894				
5 PCB-1242						
1		3.553			ND	
1		4.153				
1		4.897				
1		5.096				
1		5.477				
2		4.688				
2		5.367				
2		6.077				
2		6.272				
2		6.615				
7 PCB-1248						
1		4.151			ND	
1		5.396				
1		6.351				
1		6.605				
1		7.074				
2		5.365				
2		6.073				
2		7.039				
2		7.384				
2		8.047				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	6.270	6.268	0.002	6631085	0.004911	
1	0.000	6.612	0.000	0	0	
1	7.077	7.075	0.002	8875494	0.0101	
1	7.383	7.380	0.003	5331900	0.0116	
1	7.856	7.852	0.004	11146658	0.0197	
		Average of Peak Amounts =			0.0116	
2	0.000	7.381	0.000	0	0	
2	7.595	7.592	0.003	14501835	0.0293	
2	8.055	8.049	0.006	26000046	0.0440	
2	8.270	8.267	0.003	8030767	0.0239	
2	8.755	8.750	0.005	11025825	0.0212	
		Average of Peak Amounts =			0.0296	
					RPD = 87.44	
10 PCB-1260						
1		7.275			ND	
1		7.569				
1		7.844				
1		8.473				
1		8.720				
2		8.229				
2		8.425				
2		8.742				
2		9.288				
2		9.590				
9 PCB-1262						
1		7.576			ND	
1		7.968				
1		8.196				
1		8.480				
1		8.762				
2		8.430				
2		8.829				
2		9.083				
2		9.293				
2		9.593				
11 PCB-1268						
1		8.764			ND	
1		8.798				
1		8.964				
1		9.259				
1		9.493				
2		9.592				
2		9.630				
2		9.837				
2		10.062				
2		10.323				
$ 12 DCB Decachlorobiphenyl						
1	9.647	9.639	0.008	80138406	0.0124	
2	10.535	10.525	0.010	119662343	0.0193	
					RPD = 43.20	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
16 1260 Res 1						
1	8.729	8.720	0.009	1492833		NR
2	9.630	9.625	0.006	236900		NR
13 1260 Res 2						
1	8.765	8.755	0.011	672273		NR
2	9.796	9.789	0.007	504061		NR
15 1260 Res 3						
1		8.794			ND	
2		0.268				

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

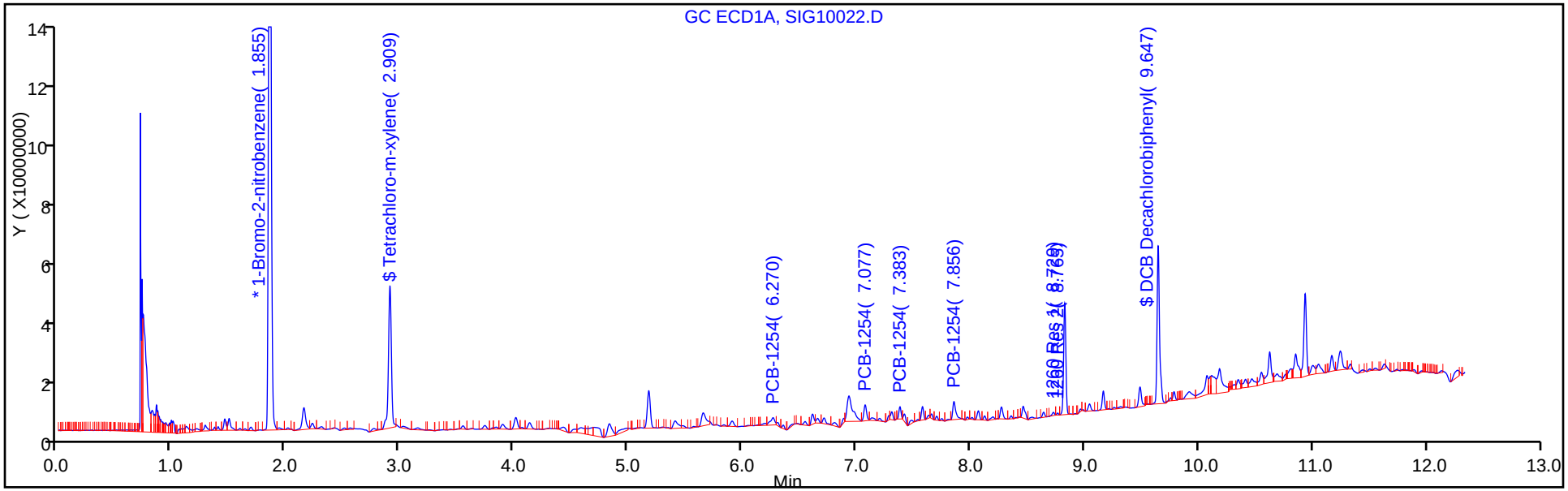
Report Date: 30-Sep-2016 07:48:59 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

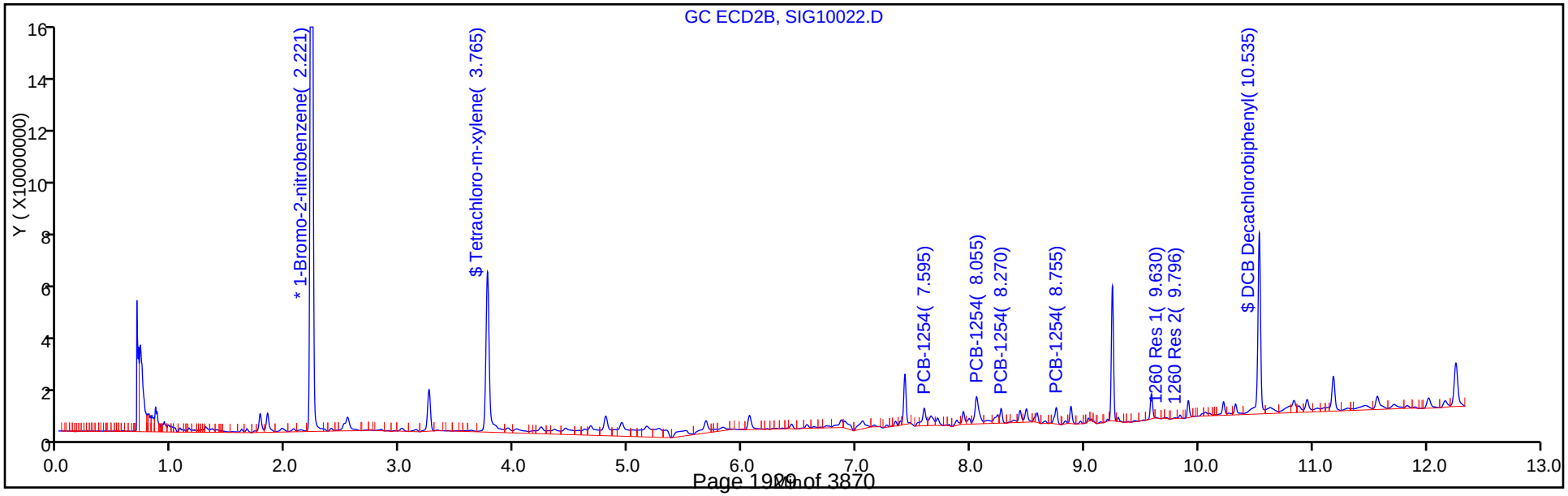
Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10022.D

Injection Date:	29-Sep-2016 13:56:12	Instrument ID:	A2HP4	Operator ID:	
Lims ID:	240-69767-D-61-A	Lab Sample ID:	240-69767-61	Worklist Smp#:	22
Client ID:	DR-TP-A64-PRE-EX				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	PCB4 is	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 30-Sep-2016 07:49:00 Chrom Revision: 2.2 08-Sep-2016 14:45:52

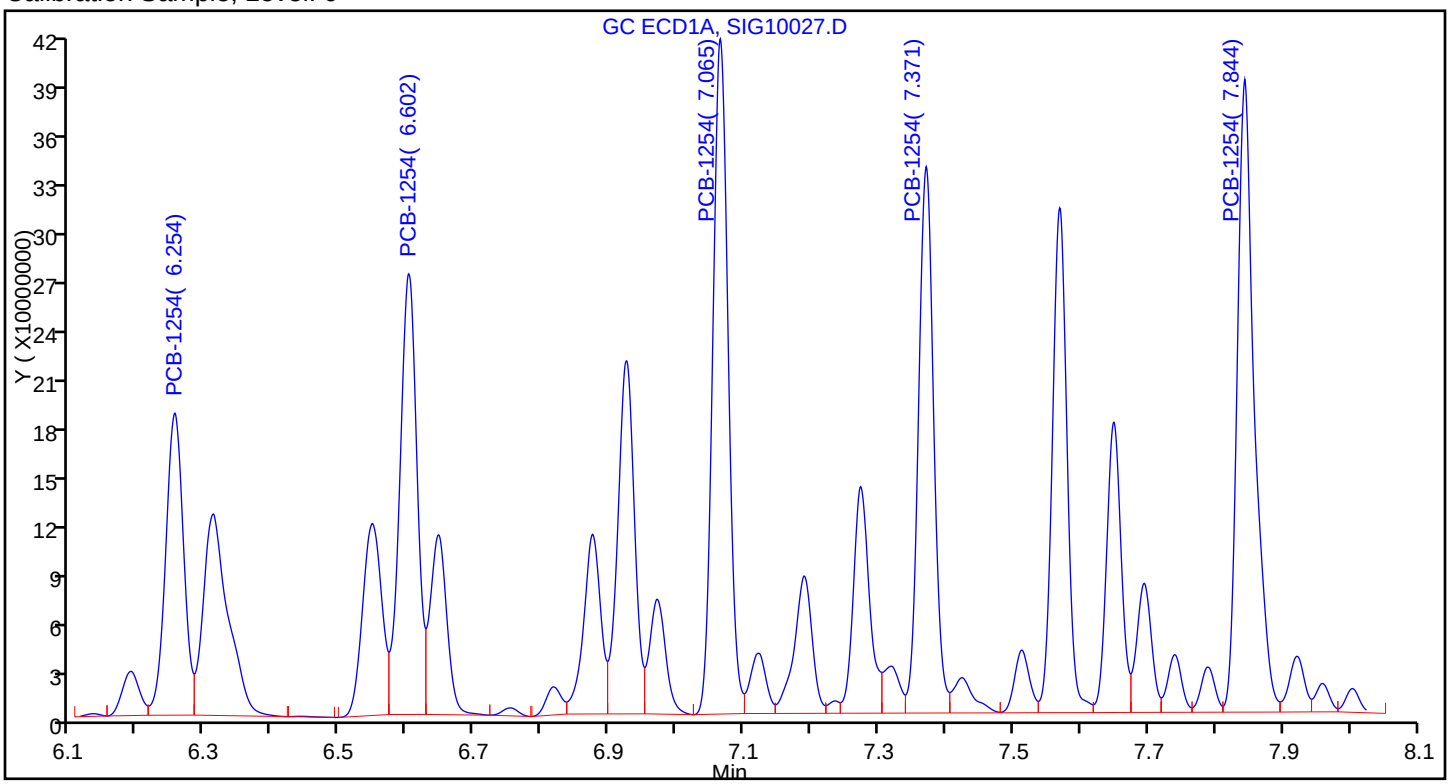
TestAmerica Canton

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10022.D

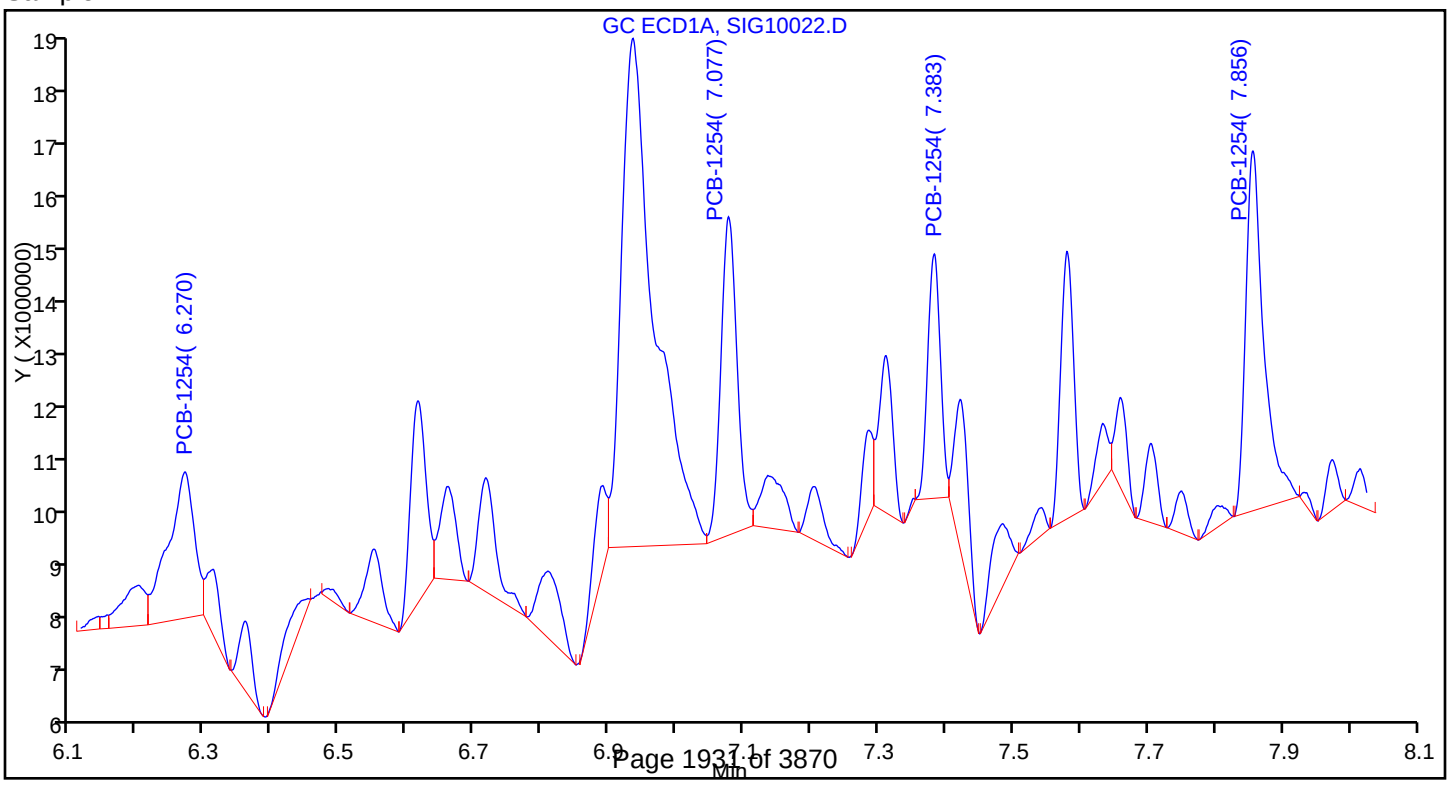
Injection Date:	29-Sep-2016 13:56:12	Instrument ID:	A2HP4		
Lims ID:	240-69767-D-61-A	Lab Sample ID:	240-69767-61		
Client ID:	DR-TP-A64-PRE-EX				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB4 is	Limit Group:	GC 8082A IS		
Column:		Detector	GC ECD1A		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Canton | Job No.: 240-69767-1

SDG No.:

Client Sample ID: DR-TP-A64-PRE-EX | Lab Sample ID: 240-69767-61

Matrix: Solid | Lab File ID: SIG10022.D

Analysis Method: 8082A | Date Collected: 09/20/2016 11:45

Extraction Method: 3540C | Date Extracted: 09/27/2016 09:20

Sample wt/vol: 9.72(g) | Date Analyzed: 09/29/2016 13:56

Con. Extract Vol.: 10(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 (0.53mm) ID: 0.53(mm)

% Moisture: 21.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 248994 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor-1016	31	U	65	31
11104-28-2	Aroclor-1221	30	U	65	30
11141-16-5	Aroclor-1232	21	U	65	21
53469-21-9	Aroclor-1242	26	U	65	26
12672-29-6	Aroclor-1248	22	U	65	22
11096-82-5	Aroclor-1260	23	U	65	23
37324-23-5	Aroclor-1262	10	U	65	10
11100-14-4	Aroclor-1268	26	U	65	26

CAS NO.	SURROGATE	%REC	Q	LIMITS
877-09-8	Tetrachloro-m-xylene	48		14-128
2051-24-3	DCB Decachlorobiphenyl	96		10-132

TestAmerica Canton
Target Compound Quantitation Report

Data File: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\SIG10022.D
Lims ID: 240-69767-D-61-A
Client ID: DR-TP-A64-PRE-EX
Sample Type: Client
Inject. Date: 29-Sep-2016 13:56:12 ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 1.0 uL Dil. Factor: 1.0000
Sample Info: 240-0058452-022
Operator ID: Instrument ID: A2HP4

Method: \\ChromNA\Canton\ChromData\A2HP4\20160929-58452.b\PCB4 is.m
Limit Group: GC 8082A IS
Last Update: 30-Sep-2016 07:48:27 Calib Date: 23-Sep-2016 00:25:00
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Canton\ChromData\A2HP4\20160922-58269.b\SIG10033.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ecd2b
Process Host: XAWRK026

First Level Reviewer: grantk Date: 29-Sep-2016 15:00:35

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
S 1 Polychlorinated biphenyls, Total						
1		1.000			ND	
* 14 1-Bromo-2-nitrobenzene						
1	1.855	1.869	-0.013	390013062	0.0500	
2	2.221	2.235	-0.014	551934144	0.0500	
$ 2 Tetrachloro-m-xylene						
1	2.909	2.898	0.011	85706616	0.009005	
2	3.765	3.756	0.009	132660929	0.009655	
					RPD = 6.97	
3 PCB-1221						
1		3.234			ND	
1		3.484				
1		3.552				
2		4.339				
2		4.587				
2		4.689				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
6 PCB-1016						
1		3.545			ND	
1		4.146				
1		4.890				
1		5.090				
1		5.469				
2		4.684				
2		5.363				
2		6.073				
2		6.268				
2		6.890				
4 PCB-1232						
1		3.549			ND	
1		4.149				
1		4.892				
1		5.092				
1		5.469				
2		4.684				
2		5.364				
2		6.073				
2		6.269				
2		6.894				
5 PCB-1242						
1		3.553			ND	
1		4.153				
1		4.897				
1		5.096				
1		5.477				
2		4.688				
2		5.367				
2		6.077				
2		6.272				
2		6.615				
7 PCB-1248						
1		4.151			ND	
1		5.396				
1		6.351				
1		6.605				
1		7.074				
2		5.365				
2		6.073				
2		7.039				
2		7.384				
2		8.047				

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
8 PCB-1254						
1	6.270	6.268	0.002	6631085	0.004911	
1	0.000	6.612	0.000	0	0	
1	7.077	7.075	0.002	8875494	0.0101	
1	7.383	7.380	0.003	5331900	0.0116	
1	7.856	7.852	0.004	11146658	0.0197	
		Average of Peak Amounts =			0.0116	
2	0.000	7.381	0.000	0	0	
2	7.595	7.592	0.003	14501835	0.0293	
2	8.055	8.049	0.006	26000046	0.0440	
2	8.270	8.267	0.003	8030767	0.0239	
2	8.755	8.750	0.005	11025825	0.0212	
		Average of Peak Amounts =			0.0296	
					RPD = 87.44	
10 PCB-1260						
1		7.275			ND	
1		7.569				
1		7.844				
1		8.473				
1		8.720				
2		8.229				
2		8.425				
2		8.742				
2		9.288				
2		9.590				
9 PCB-1262						
1		7.576			ND	
1		7.968				
1		8.196				
1		8.480				
1		8.762				
2		8.430				
2		8.829				
2		9.083				
2		9.293				
2		9.593				
11 PCB-1268						
1		8.764			ND	
1		8.798				
1		8.964				
1		9.259				
1		9.493				
2		9.592				
2		9.630				
2		9.837				
2		10.062				
2		10.323				
$ 12 DCB Decachlorobiphenyl						
1	9.647	9.639	0.008	80138406	0.0124	
2	10.535	10.525	0.010	119662343	0.0193	
					RPD = 43.20	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ng/ul	Flags
16 1260 Res 1						
1	8.729	8.720	0.009	1492833		NR
2	9.630	9.625	0.006	236900		NR
13 1260 Res 2						
1	8.765	8.755	0.011	672273		NR
2	9.796	9.789	0.007	504061		NR
15 1260 Res 3						
1		8.794			ND	
2		0.268				

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

Reagents:

SGPCBISTD_00005 Amount Added: 5.00 Units: uL Run Reagent

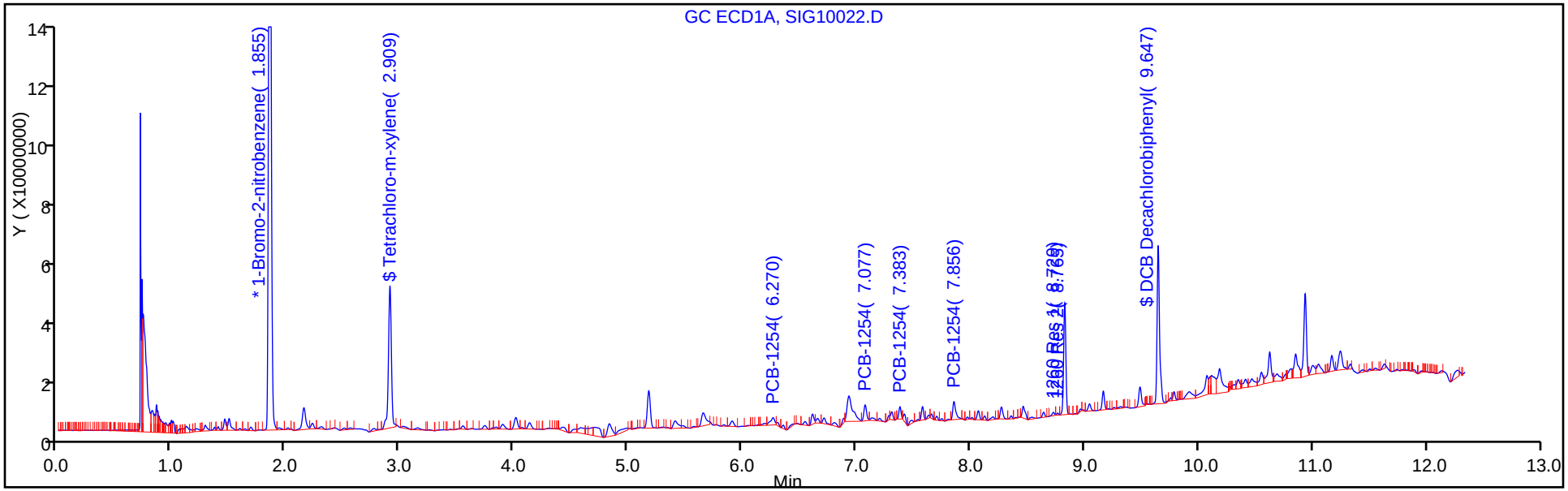
Report Date: 30-Sep-2016 07:49:01 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

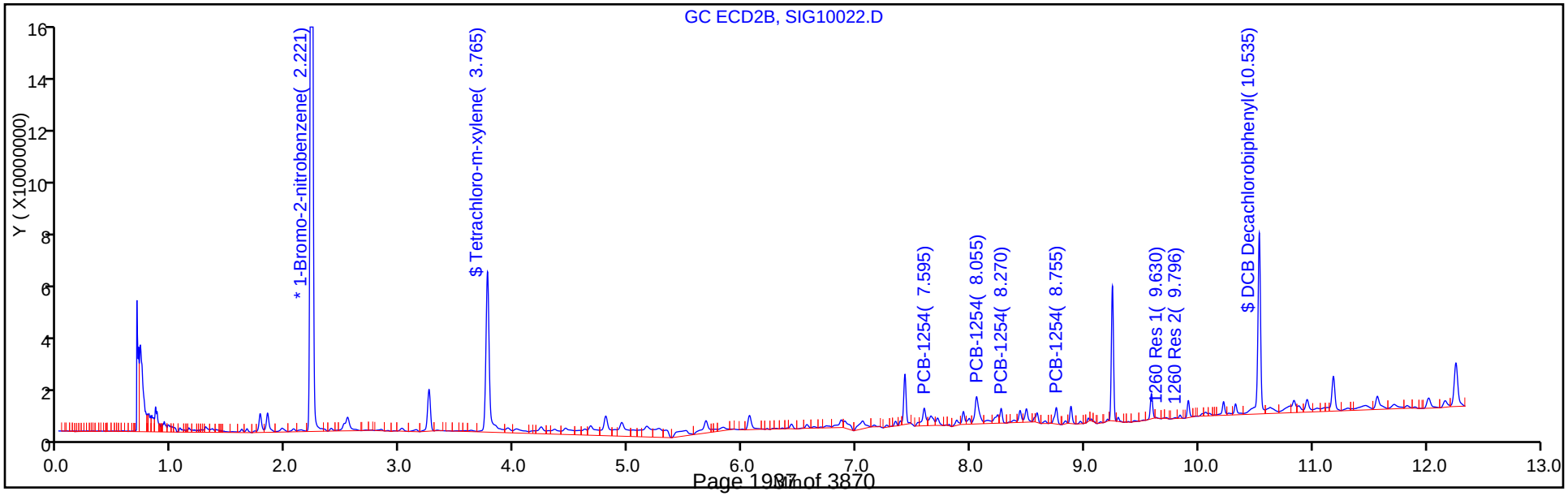
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Injection Date:	29-Sep-2016 13:56:12	Instrument ID:	A2HP4	Operator ID:	
Lims ID:	240-69767-D-61-A	Lab Sample ID:	240-69767-61	Worklist Smp#:	22
Client ID:	DR-TP-A64-PRE-EX				
Injection Vol:	1.0 uL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	PCB4 is	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



Report Date: 30-Sep-2016 07:49:01 Chrom Revision: 2.2 08-Sep-2016 14:45:52

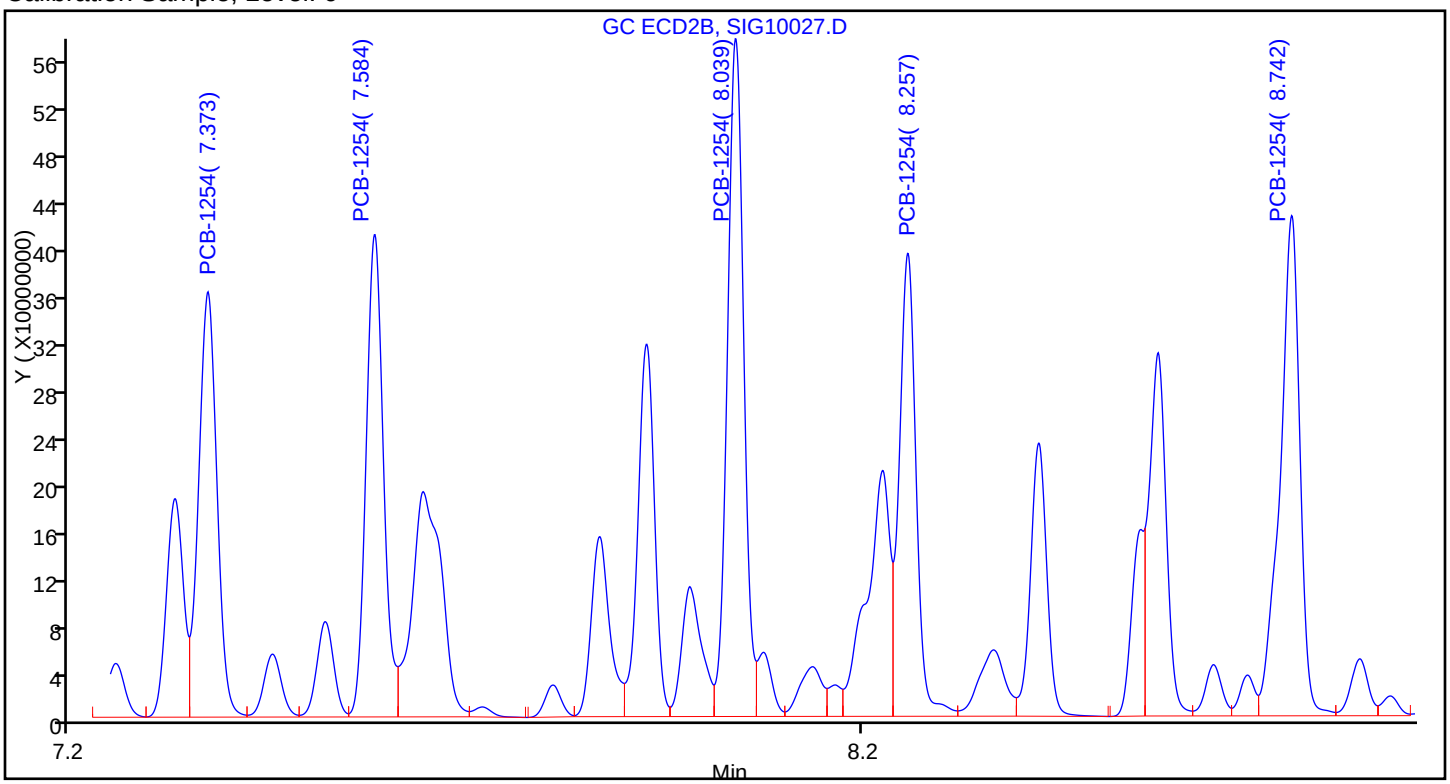
TestAmerica Canton

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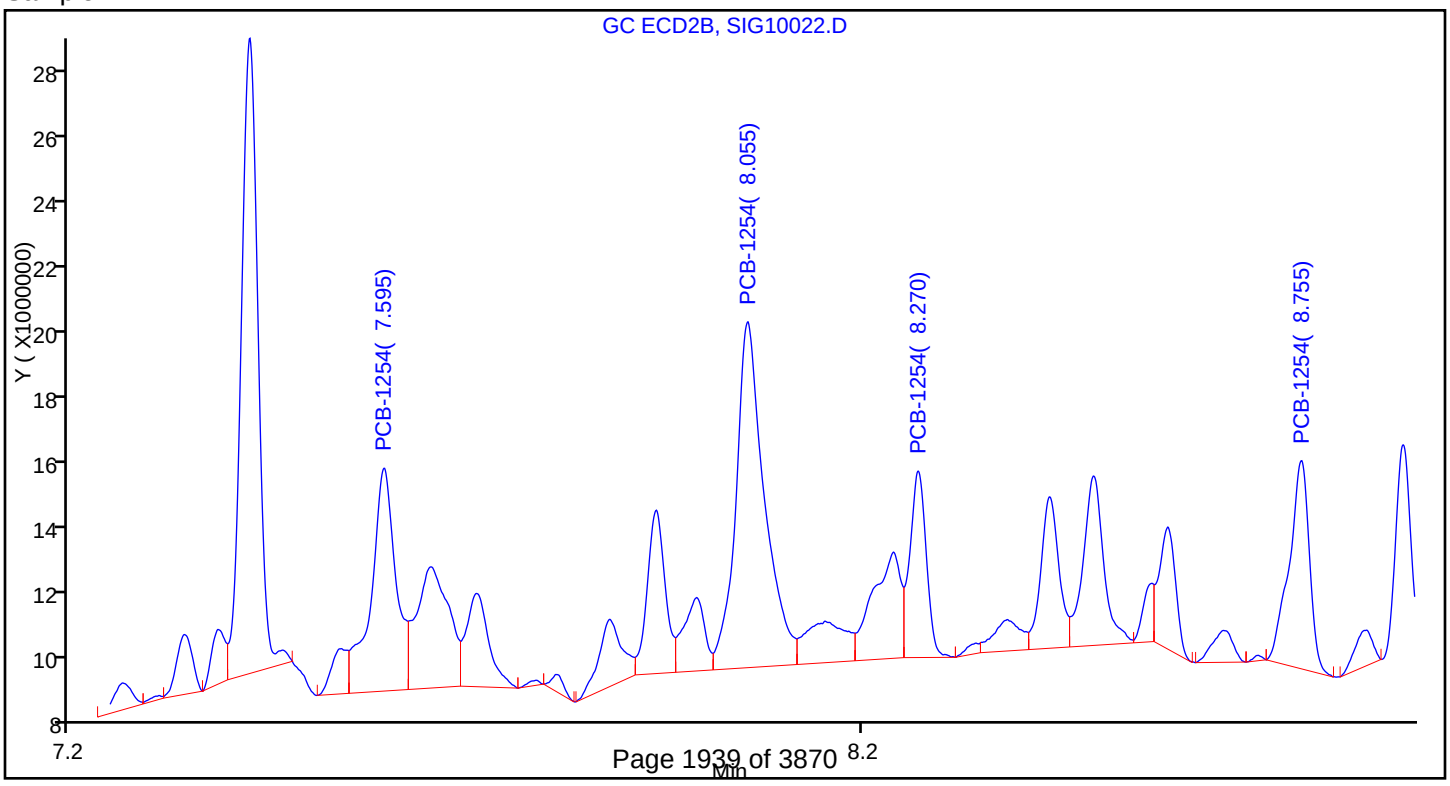
Injection Date:	29-Sep-2016 13:56:12	Instrument ID:	A2HP4		
Lims ID:	240-69767-D-61-A	Lab Sample ID:	240-69767-61		
Client ID:	DR-TP-A64-PRE-EX				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 uL	Dil. Factor:	1.0000		
Method:	PCB4 is	Limit Group:	GC 8082A IS		
Column:		Detector	GC ecd2b		

8 PCB-1254, CAS: 11097-69-1

Calibration Sample, Level: 6



Sample



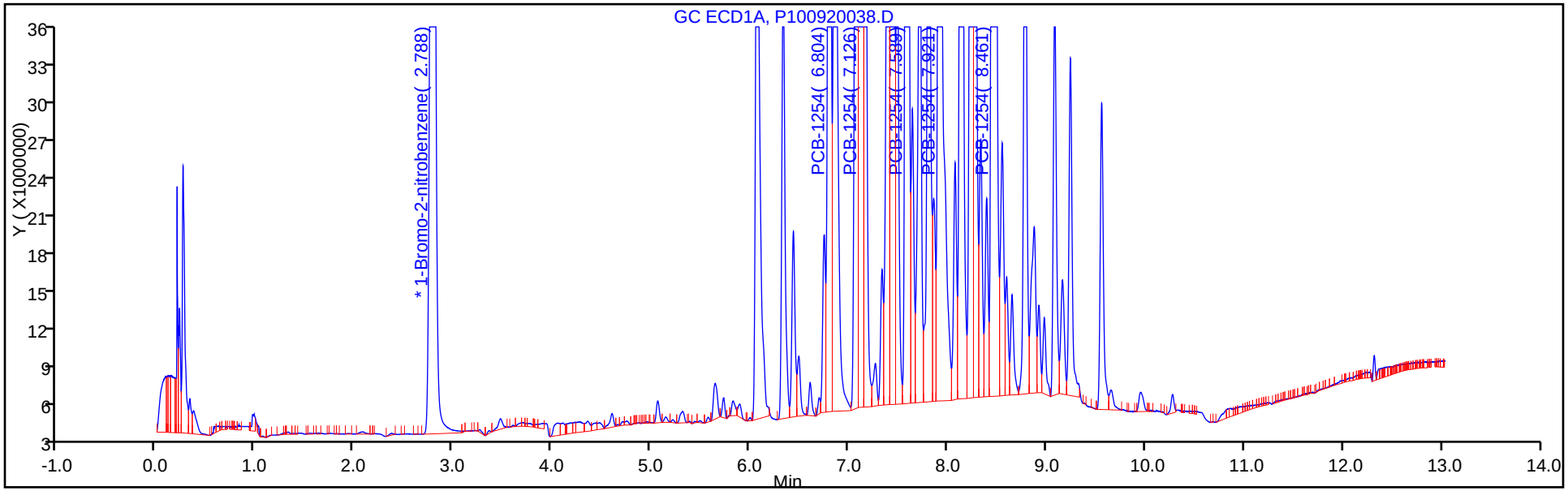
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TestAmerica Canton

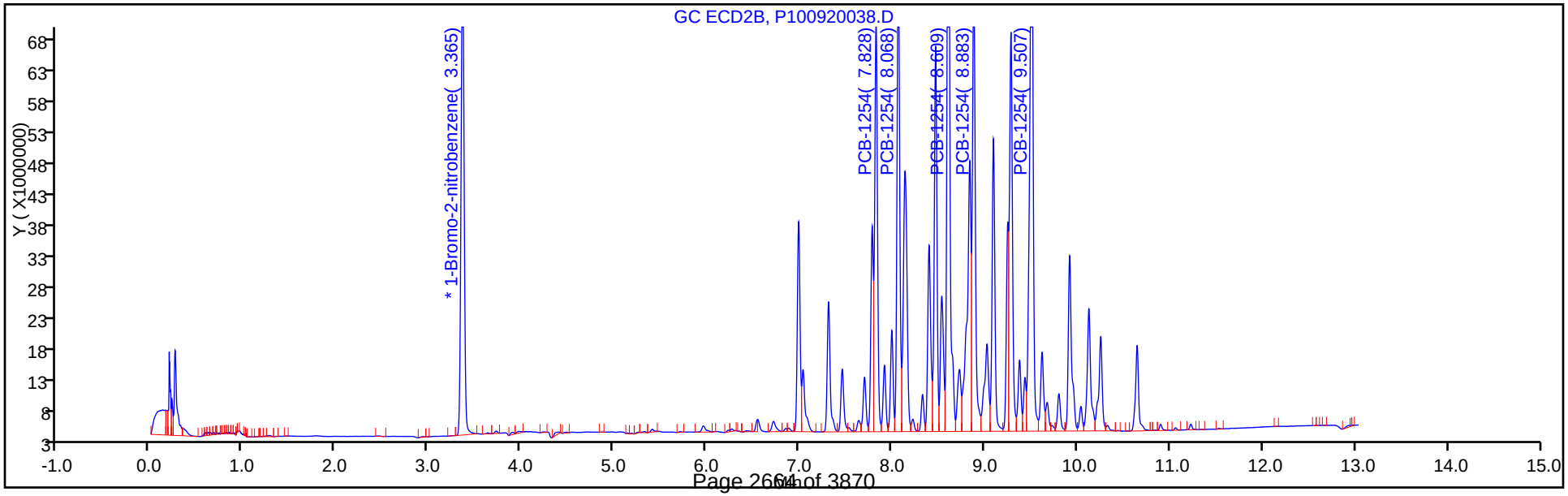
Data File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920038.D

Injection Date:	21-Sep-2016 05:03:06	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	icv 1254			Worklist Smp#:	38
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	38
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



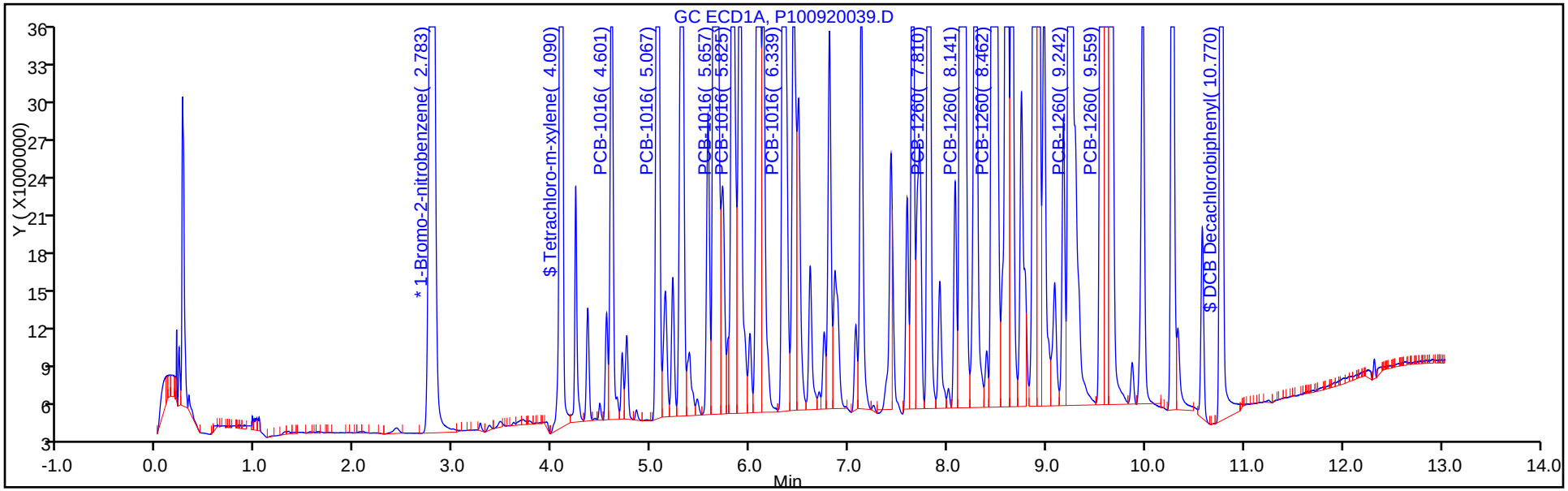
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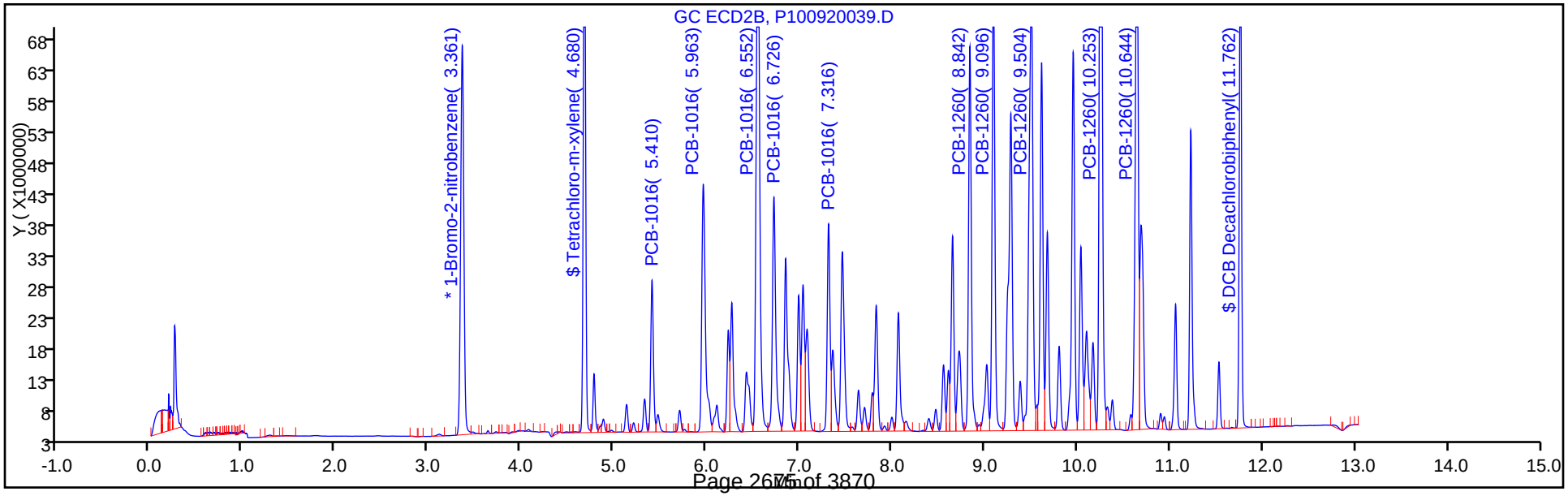
Data File: \\ChromNA\Canton\ChromData\A2HP10\20160920-58192.b\P100920039.D

Injection Date:	21-Sep-2016 05:22:02	Instrument ID:	A2HP10	Operator ID:	
Lims ID:	icv 1660			Worklist Smp#:	39
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	39
Method:	PCB10 IS	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



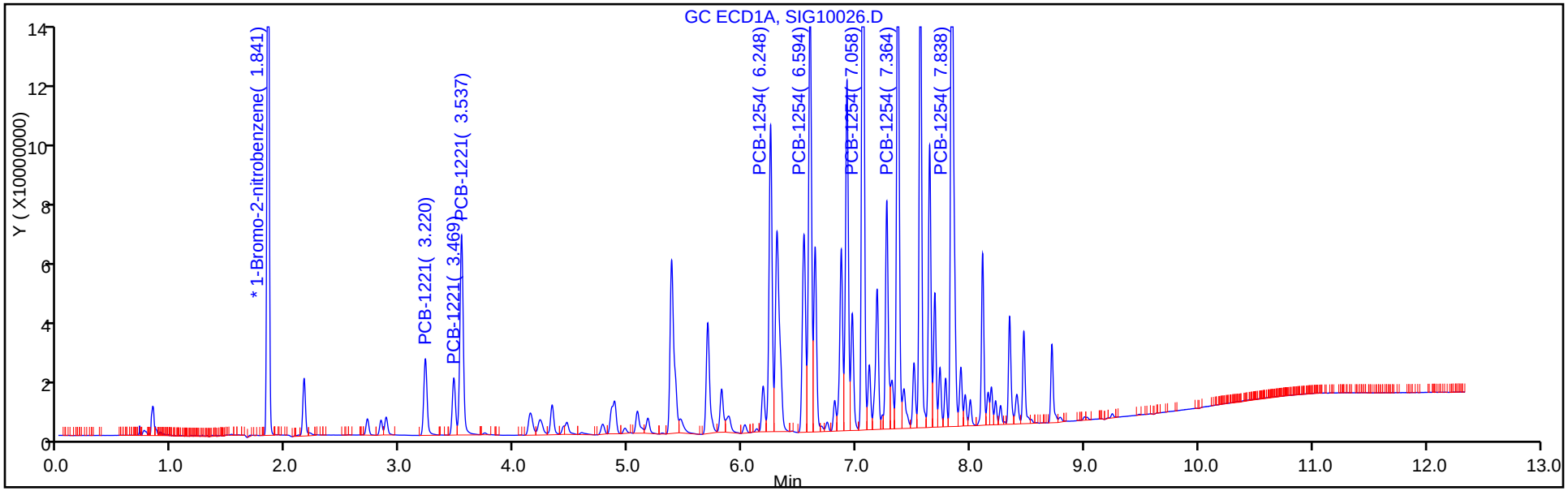
Report Date: 23-Sep-2016 09:01:37 Chrom Revision: 2.2 08-Sep-2016 14:45:52

TestAmerica Canton

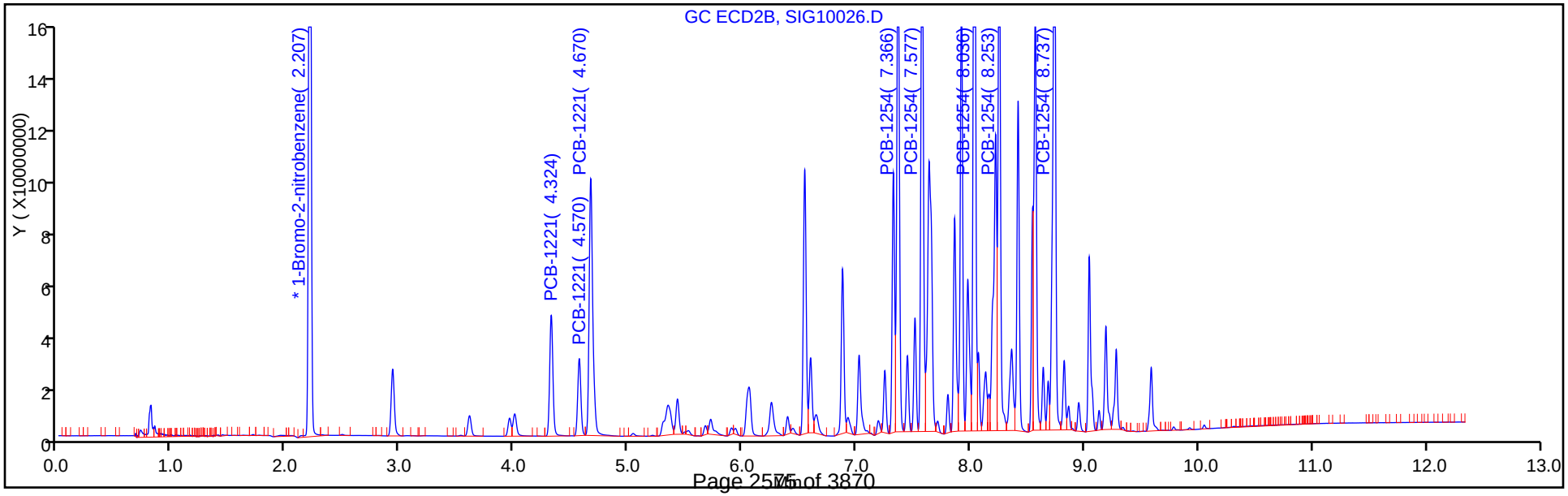
Data File: \\ChromNA\Canton\ChromData\A2HP4\20160922-58269.b\SIG10026.D

Injection Date:	22-Sep-2016 22:18:49	Instrument ID:	A2HP4	Operator ID:	
Lims ID:	std1 ar2154			Worklist Smp#:	26
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	PCB4 is	Limit Group:	GC 8082A IS		

Y Scaling: Method Defined: Set to Absolute Y Value



Y Scaling: Method Defined: Set to Absolute Y Value



APPENDIX D—INVESTIGATION-DERIVED WASTE FORMS

Please print or type. (Form designed for use on elite (12-pitch) typewriter) 041603713419 SC PPW 11/2/2016 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: MDR000519760
2. Page 1 of: 1
3. Emergency Response Phone: (800) 483-3719
4. Manifest Tracking Number: 009967395 FLE

GENERATOR

5. Generator's Name and Mailing Address
Lockheed Martin
196 Chesapeake Park Plaza
Baltimore, MD 21220
Generator's Phone: (410) 682-1012 ATTN: Mike Musheno

Generator's Site Address (if different than mailing address)
701 Wilson Point Road
Baltimore, MD 21220

6. Transporter 1 Company Name: Clean Harbors Environmental Service, Inc
U.S. EPA ID Number: MAD039322250

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Harbors Chattanooga LLC
3300 Cummings Road
Chattanooga, TN 37419
Facility's Phone: (423) 821-9926
U.S. EPA ID Number: TND982141392

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON D.O.T. REGULATED. (SOIL)	001	DM	100	P	
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. CH573678

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Michael Musheno
Signature: Michael Musheno
Month: 11 Day: 11 Year: 16

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Lawrence J. Geho
Signature: Lawrence J Geho
Month: 11 Day: 11 Year: 16
Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. GENERATOR'S INITIAL COPY

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 041603713418 SCPPW 11/2/2016 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
MDR000518760	1	(800)483-3718	009967396 FLE

GENERATOR

5. Generator's Name and Mailing Address
Lockheed Martin
196 Chesapeake Park Plaza
Baltimore, MD 21220
Generator's Phone: (610) 696 4012 - ATTN: Mike Mushano

Generator's Site Address (if different than mailing address)
701 Wilson Point Road
Baltimore, MD 21220

6. Transporter 1 Company Name: Clean Harbors Environmental Service, Inc.
U.S. EPA ID Number: MAD039932250

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Clean Harbors of Baltimore Inc
1910 Russell Street
Baltimore, MD 21230
Facility's Phone: (410)244-0250
U.S. EPA ID Number: MDD980555189

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON DOT REGULATED MATERIAL, (SOIL, WATER)	001	DM	150	P	
	2. NON D.O.T. REGULATED, (NON-HAZ WATER)	001	DM	40	P	
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1. CH1313119
2. CH673584

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Michael Mushano
Signature: Michael Mushano
Month: 11 Day: 11 Year: 16

INT'L

16. International Shipments ☐ Import to U.S ☐ Export from U.S Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Lawrence J. Gepho
Signature: Lawrence J. Gepho
Month: 11 Day: 11 Year: 16
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1	2	3.	4.
H141	H141		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name:
Signature:
Month: Day: Year:

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Clean Harbors has the appropriate permits for and will accept the waste the generator is shipping

APPENDIX E—CHEMICAL DATA TABLES

Table E-1

Chemical Results of Soil Samples
Dump Road Area Test Pit DR-TP-A64 PCB Soil Characterization-2016
Lockheed Martin, Martin State Airport, Middle River, Maryland

LOCATION	DR-SB-250						
SAMPLE ID	DR-SB-250-0-3	DR-SB-250-120-123	DR-SB-250-144-145	DR-SB-250-24-27	DR-SB-250-48-51	DR-SB-250-72-75	DR-SB-250-96-99
SAMPLE DATE	20160919	20160919	20160919	20160919	20160919	20160919	20160919
MATRIX	SO	SO	SO	SO	SO	SO	SO
TOP DEPTH	0	120	144	24	48	72	96
BOTTOM DEPTH	3	123	145	27	51	75	99
PCBS (UG/KG)							
AROCLOR-1016	30 U	31 U	34 U	27 U	29 U	27 U	29 U
AROCLOR-1221	28 U	30 U	33 U	25 U	28 U	26 U	28 U
AROCLOR-1232	20 U	21 U	23 U	18 U	19 U	18 U	20 U
AROCLOR-1242	25 U	26 U	28 U	22 U	24 U	23 U	25 U
AROCLOR-1248	21 U	22 U	24 U	19 U	20 U	19 U	21 U
AROCLOR-1254	17 U	320 J	62 J	15 U	17 U	16 U	17 U
AROCLOR-1260	22 U	23 U	25 U	20 U	22 U	20 U	22 U
AROCLOR-1262	9.9 U	10 U	11 U	8.8 U	9.6 U	9.1 U	9.8 U
AROCLOR-1268	25 U	26 U	28 U	22 U	24 U	23 U	25 U

Table E-1

Chemical Results of Soil Samples
Dump Road Area Test Pit DR-TP-A64 PCB Soil Characterization-2016
Lockheed Martin, Martin State Airport, Middle River, Maryland

LOCATION	DR-SB-251						
SAMPLE ID	DR-SB-251-0-3	DR-SB-251-120-123	DR-SB-251-144-145	DR-SB-251-24-27	DR-SB-251-48-51	DR-SB-251-72-75	DR-SB-251-96-99
SAMPLE DATE	20160919	20160919	20160919	20160919	20160919	20160919	20160919
MATRIX	SO	SO	SO	SO	SO	SO	SO
TOP DEPTH	0	120	144	24	48	72	96
BOTTOM DEPTH	3	123	145	27	51	75	99
PCBS (UG/KG)							
AROCLOR-1016	30 U	32 U	28 U	28 U	28 U	28 U	25 U
AROCLOR-1221	29 U	31 U	27 U	27 U	27 U	27 U	24 U
AROCLOR-1232	20 U	21 U	19 U	18 U	19 U	18 U	17 U
AROCLOR-1242	25 U	27 U	23 U	23 U	23 U	23 U	21 U
AROCLOR-1248	21 U	23 U	20 U	20 U	20 U	20 U	18 U
AROCLOR-1254	18 U	61 J	16 U	17 J	16 U	16 U	15 U
AROCLOR-1260	23 U	24 U	21 U	21 U	21 U	21 U	19 U
AROCLOR-1262	10 U	11 U	9.3 U	9.2 U	9.3 U	9.2 U	8.5 U
AROCLOR-1268	25 U	27 U	23 U	23 U	23 U	23 U	21 U

Table E-1

Chemical Results of Soil Samples
Dump Road Area Test Pit DR-TP-A64 PCB Soil Characterization-2016
Lockheed Martin, Martin State Airport, Middle River, Maryland

LOCATION	DR-SB-252						
SAMPLE ID	DR-SB-252-0-3	DR-SB-252-120-123	DR-SB-252-144-145	DR-SB-252-24-27	DR-SB-252-48-51	DR-SB-252-72-75	DR-SB-252-96-99
SAMPLE DATE	20160920	20160920	20160920	20160920	20160920	20160920	20160920
MATRIX	SO	SO	SO	SO	SO	SO	SO
TOP DEPTH	0	120	144	24	48	72	96
BOTTOM DEPTH	3	123	145	27	51	75	99
PCBS (UG/KG)							
AROCLOR-1016	27 U	30 U	27 U	27 U	28 U	27 U	25 U
AROCLOR-1221	26 U	29 U	26 U	25 U	27 U	26 U	24 U
AROCLOR-1232	18 U	20 U	18 U	18 U	18 U	18 U	17 U
AROCLOR-1242	22 U	25 U	23 U	22 U	23 U	23 U	21 U
AROCLOR-1248	19 U	21 U	19 U	19 U	20 U	19 U	18 U
AROCLOR-1254	16 U	130	16 U	130 J+	40 J	940	15 U
AROCLOR-1260	20 U	22 U	20 U	20 U	21 U	20 U	19 U
AROCLOR-1262	8.9 U	10 U	9.1 U	8.8 U	9.2 U	9.1 U	8.5 U
AROCLOR-1268	22 U	25 U	23 U	22 U	23 U	23 U	21 U

Table E-1

Chemical Results of Soil Samples
Dump Road Area Test Pit DR-TP-A64 PCB Soil Characterization-2016
Lockheed Martin, Martin State Airport, Middle River, Maryland

LOCATION	DR-SB-253						
SAMPLE ID	DR-SB-253-0-3	DR-SB-253-120-123	DR-SB-253-144-145	DR-SB-253-24-27	DR-SB-253-48-51	DR-SB-253-72-75	DR-SB-253-96-99
SAMPLE DATE	20160919	20160919	20160919	20160919	20160919	20160919	20160919
MATRIX	SO	SO	SO	SO	SO	SO	SO
TOP DEPTH	0	120	144	24	48	72	96
BOTTOM DEPTH	3	123	145	27	51	75	99
PCBS (UG/KG)							
AROCLOR-1016	27 U	29 U	34 U	26 U	27 U	26 U	28 U
AROCLOR-1221	26 U	28 U	33 U	25 U	26 U	25 U	27 U
AROCLOR-1232	18 U	20 U	23 U	18 U	18 U	18 U	19 U
AROCLOR-1242	23 U	24 U	28 U	22 U	23 U	22 U	23 U
AROCLOR-1248	19 U	21 U	24 U	19 U	19 U	19 U	20 U
AROCLOR-1254	16 U	21 J	20 U	18 J	16 U	23 J	16 U
AROCLOR-1260	20 U	22 U	26 U	20 U	20 U	20 U	21 U
AROCLOR-1262	9.1 U	9.8 U	11 U	8.8 U	9 U	8.8 U	9.3 U
AROCLOR-1268	23 U	24 U	28 U	22 U	23 U	22 U	23 U

Table E-1

Chemical Results of Soil Samples
Dump Road Area Test Pit DR-TP-A64 PCB Soil Characterization-2016
Lockheed Martin, Martin State Airport, Middle River, Maryland

LOCATION	DR-SB-254				DR-SB-255		
SAMPLE ID	DR-SB-254-0-3	DR-SB-254-24-27	DR-SB-254-48-51	DR-SB-254-72-75	DR-SB-255-0-3	DR-SB-255-120-123	DR-SB-255-144-145
SAMPLE DATE	20160919	20160919	20160919	20160919	20160920	20160920	20160920
MATRIX	SO	SO	SO	SO	SO	SO	SO
TOP DEPTH	0	24	48	72	0	120	144
BOTTOM DEPTH	3	27	51	75	3	123	145
PCBS (UG/KG)							
AROCLOR-1016	27 U	30 U	28 U	28 U	31 U	310 U	29 U
AROCLOR-1221	26 U	29 U	27 U	27 U	29 U	300 U	27 U
AROCLOR-1232	18 U	20 U	19 U	19 U	20 U	210 U	19 U
AROCLOR-1242	22 U	25 U	23 U	24 U	25 U	260 U	24 U
AROCLOR-1248	19 U	21 U	20 U	20 U	22 U	220 U	20 U
AROCLOR-1254	16 U	17 J	100	28 J	18 U	5700 J+	270 J+
AROCLOR-1260	20 U	22 U	21 U	21 U	23 U	240 U	22 U
AROCLOR-1262	28 J	9.9 U	9.3 U	9.5 U	21 J	100 U	9.6 U
AROCLOR-1268	22 U	25 U	23 U	24 U	25 U	260 U	24 U

Table E-1

Chemical Results of Soil Samples
Dump Road Area Test Pit DR-TP-A64 PCB Soil Characterization-2016
Lockheed Martin, Martin State Airport, Middle River, Maryland

LOCATION	DR-SB-255				DR-SB-256		
SAMPLE ID	DR-SB-255-24-27	DR-SB-255-48-51	DR-SB-255-72-75	DR-SB-255-96-99	DR-SB-256-0-3	DR-SB-256-120-123	DR-SB-256-144-145
SAMPLE DATE	20160920	20160920	20160920	20160920	20160919	20160919	20160919
MATRIX	SO	SO	SO	SO	SO	SO	SO
TOP DEPTH	24	48	72	96	0	120	144
BOTTOM DEPTH	27	51	75	99	3	123	145
PCBS (UG/KG)							
AROCLOR-1016	30 U	27 U	26 U	150 U	28 U	27 U	29 U
AROCLOR-1221	29 U	26 U	25 U	150 U	27 U	26 U	28 U
AROCLOR-1232	20 U	18 U	17 U	100 U	19 U	18 U	19 U
AROCLOR-1242	25 U	23 U	22 U	130 U	23 U	23 U	24 U
AROCLOR-1248	21 U	19 U	18 U	110 U	20 U	19 U	21 U
AROCLOR-1254	160	63	200 J+	1100 J	16 U	16 U	32 J
AROCLOR-1260	22 U	20 U	19 U	110 U	21 U	20 U	22 U
AROCLOR-1262	10 U	9.1 U	8.6 U	51 U	9.3 U	9.1 U	9.7 U
AROCLOR-1268	25 U	23 U	22 U	130 U	23 U	23 U	24 U

Table E-1

Chemical Results of Soil Samples
Dump Road Area Test Pit DR-TP-A64 PCB Soil Characterization-2016
Lockheed Martin, Martin State Airport, Middle River, Maryland

LOCATION	DR-SB-256				DR-SB-257		
SAMPLE ID	DR-SB-256-24-27	DR-SB-256-48-51	DR-SB-256-72-75	DR-SB-256-96-99	DR-SB-257-0-3	DR-SB-257-120-123	DR-SB-257-144-145
SAMPLE DATE	20160919	20160919	20160919	20160919	20160920	20160920	20160920
MATRIX	SO	SO	SO	SO	SO	SO	SO
TOP DEPTH	24	48	72	96	0	120	144
BOTTOM DEPTH	27	51	75	99	3	123	145
PCBS (UG/KG)							
AROCLOR-1016	29 U	27 U	27 U	27 U	31 U	28 U	31 U
AROCLOR-1221	28 U	26 U	26 U	26 U	30 U	27 U	30 U
AROCLOR-1232	19 U	18 U	18 U	18 U	21 U	19 U	21 U
AROCLOR-1242	24 U	22 U	23 U	23 U	26 U	23 U	26 U
AROCLOR-1248	21 U	19 U	19 U	19 U	22 U	20 U	22 U
AROCLOR-1254	17 U	17 J	16 U	16 U	18 U	88	120 J
AROCLOR-1260	22 U	20 U	20 U	20 U	23 U	21 U	23 U
AROCLOR-1262	9.7 U	9 U	9 U	9.1 U	10 U	9.3 U	10 U
AROCLOR-1268	24 U	22 U	23 U	23 U	26 U	23 U	26 U

Table E-1

Chemical Results of Soil Samples
Dump Road Area Test Pit DR-TP-A64 PCB Soil Characterization-2016
Lockheed Martin, Martin State Airport, Middle River, Maryland

LOCATION	DR-SB-257				DR-SB-258		
SAMPLE ID	DR-SB-257-24-27	DR-SB-257-48-51	DR-SB-257-72-75	DR-SB-257-96-99	DR-SB-258-0-3	DR-SB-258-120-123	DR-SB-258-144-145
SAMPLE DATE	20160920	20160920	20160920	20160920	20160920	20160920	20160920
MATRIX	SO	SO	SO	SO	SO	SO	SO
TOP DEPTH	24	48	72	96	0	120	144
BOTTOM DEPTH	27	51	75	99	3	123	145
PCBS (UG/KG)							
AROCLOR-1016	27 U	30 U	40 U	45 U	27 U	29 U	29 U
AROCLOR-1221	25 U	29 U	39 U	43 U	26 U	28 U	28 U
AROCLOR-1232	18 U	20 U	27 U	30 U	18 U	19 U	19 U
AROCLOR-1242	22 U	25 U	34 U	37 U	23 U	24 U	24 U
AROCLOR-1248	19 U	22 U	29 U	32 U	19 U	21 U	20 U
AROCLOR-1254	16 U	18 U	50 J	42 J	16 U	58 J	17 U
AROCLOR-1260	20 U	23 U	30 U	34 U	21 U	22 U	22 U
AROCLOR-1262	8.9 U	10 U	13 U	15 U	9.2 U	9.7 U	9.6 U
AROCLOR-1268	22 U	25 U	34 U	37 U	23 U	24 U	24 U

Table E-1

Chemical Results of Soil Samples
Dump Road Area Test Pit DR-TP-A64 PCB Soil Characterization-2016
Lockheed Martin, Martin State Airport, Middle River, Maryland

LOCATION	DR-SB-258			
SAMPLE ID	DR-SB-258-24-27	DR-SB-258-48-51	DR-SB-258-72-75	DR-SB-258-96-99
SAMPLE DATE	20160920	20160920	20160920	20160920
MATRIX	SO	SO	SO	SO
TOP DEPTH	24	48	72	96
BOTTOM DEPTH	27	51	75	99
PCBS (UG/KG)				
AROCLOR-1016	28 U	29 U	29 U	31 U
AROCLOR-1221	27 U	28 U	28 U	30 U
AROCLOR-1232	19 U	19 U	20 U	21 U
AROCLOR-1242	23 U	24 U	25 U	26 U
AROCLOR-1248	20 U	20 U	21 U	22 U
AROCLOR-1254	19 J	26 J	23 J	96
AROCLOR-1260	21 U	22 U	22 U	24 U
AROCLOR-1262	9.3 U	9.6 U	9.8 U	10 U
AROCLOR-1268	23 U	24 U	25 U	26 U

-- not detected
DR - Dump Road
J - estimated value
PCB - polychlorinated biphenyl
SB - soil boring
SO - soil
U - not detected at concentration shown
UG/KG - microgram per kilogram

APPENDIX F— CERTIFIED STATEMENT FOR U.S. ENVIRONMENTAL PROTECTION AGENCY REQUIREMENT 40 CFR §761.61(a)(3)(E)

Certified Statement for U.S. Environmental Protection Agency Requirements

All sampling plans, sample collection procedures, extraction procedures, and instrumental/chemical procedures used to characterize polychlorinated biphenyl (PCB) contamination at the cleanup site are on file at the Essex Branch, Baltimore County Public Library, 1110 Eastern Boulevard, Essex, Maryland, 21221 and are available for United States Environmental Protection Agency (USEPA) inspection.

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

This Notification Form applies to two localized excavations located at Martin State Airport (airport address-701 Wilson Point Road, Middle River, Maryland 21220) centered round the two historical (pre-2015) soil samples with polychlorinated biphenyl (PCB) concentrations greater than 25 milligrams per kilogram (mg/kg). The test-pit soil samples include DR-TP-A80-03 (4,100 mg/kg, at a depth of three feet), which was collected from the northeastern section of the Dump Road Area between Pond 1 and the shoreline of Frog Mortar Creek, and test-pit soil sample DR-TP-A64-08 (47 mg/kg at a depth of eight feet), which was collected approximately 20 feet northeast of Taxiway Tango, in the central portion of the Dump road Area.

6/29/17

Owner, Martin State Airport — Date

7/20/2017

Paul Calligan, Project Lead, Lockheed Martin Corporation — Date

7/20/2017

Michael Martin, Project Manager, Tetra Tech, Inc. — Date