

**FINAL REPORT**

# **Groundwater Monitoring Well Surveying and Sampling Report**

## **Martin State Airport: Middle River, Maryland**



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# **Groundwater Monitoring Well Surveying and Sampling Report**

## **Martin State Airport: Middle River, Maryland**

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Lockheed Martin Corporation

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- Appendix A    Well Purging Logs
- Appendix B    Laboratory Analytical Data Reports

**SECTION I**

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## Section 1

# Introduction

Lockheed Martin Corporation has prepared this Groundwater Surveying and Sampling Report to describe the methodology and results of the sampling of existing groundwater monitoring wells conducted in March 1999 at Martin State Airport, Middle River, Maryland. This field work was the first in a series of tasks that will be completed in support of a risk based evaluation of the southeast portion of the airport. The objective of the well sampling was to obtain updated chemical data on groundwater quality from six existing groundwater monitoring wells and one piezometer located at the site. Additionally, current data on groundwater elevation and flow direction was collected during the sampling program.

This report is organized into the following sections:

- Section 2 – Site Background, presenting a brief description of site location, groundwater conditions, and well construction data;
- Section 3 – Groundwater Monitoring Well Surveying and Sampling Program, presenting the technical approach, a description of the field methodology employed, quality, and the analytical scheme;
- Section 4 – Summary of Analytical Results, presenting the results of the laboratory analysis of the groundwater samples collected;
- Section 5 – Groundwater Elevation Data, presenting groundwater contour map and gradients based on groundwater elevation measurements and well survey data; and
- Section 6 – Local Groundwater Well Information, presenting data provided from the Maryland Department of the Environment (MDE) on groundwater wells in the area.

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Well purging logs and laboratory analytical data reports are included in Appendices A and B, respectively.

**SECTION 2**

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## **Section 2**

# **Site Background**

### **2.1 SITE LOCATION**

The well sampling area is located at the southeast portion of the Martin State Airport in Middle River, Maryland - *see Figure 2-1*. Frog Mortar Creek is located east of the well sampling area and flows into Chesapeake Bay.

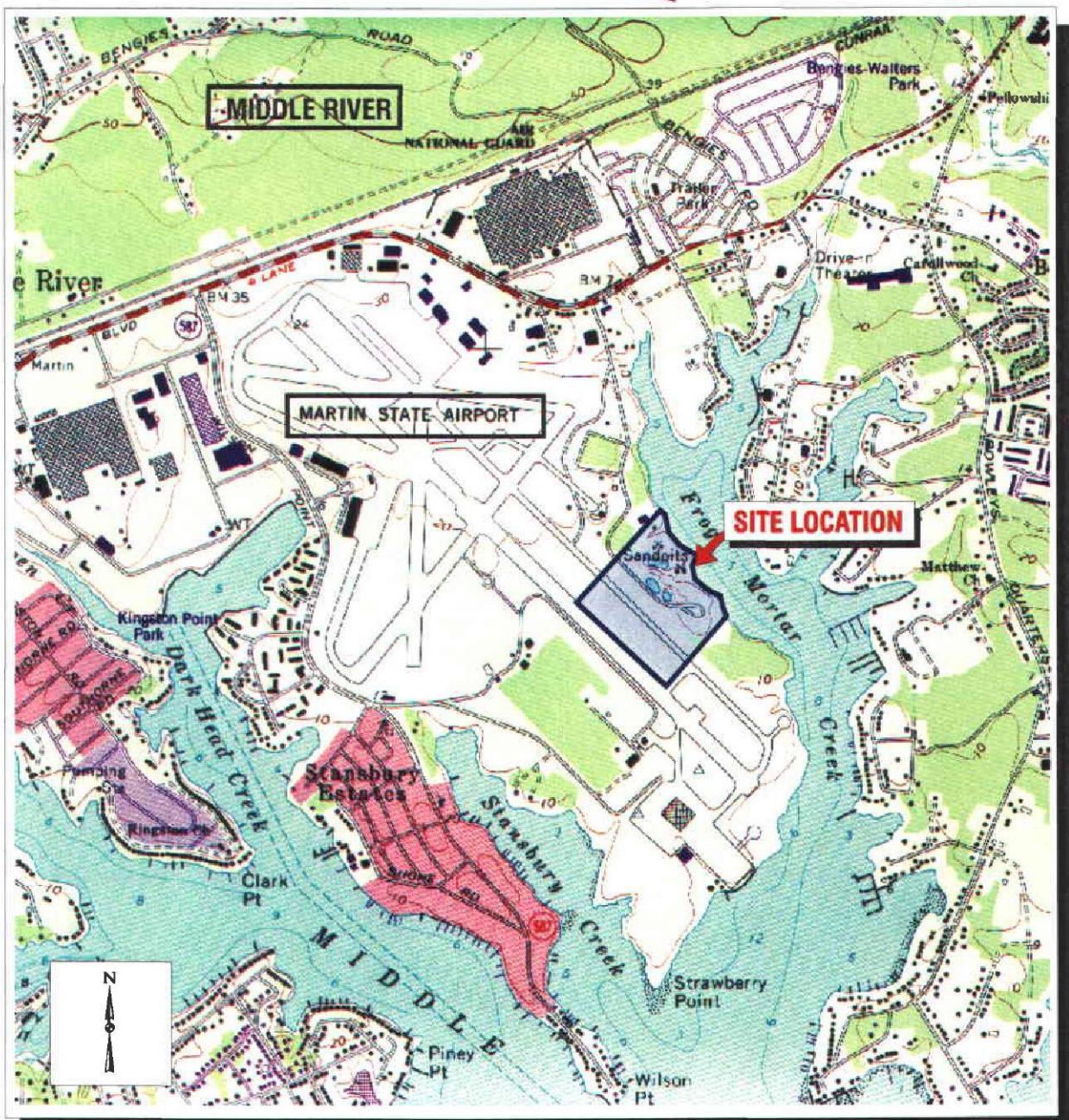
### **2.2 SITE GROUNDWATER CONDITIONS**

Previous monitoring well measurements (recorded in February 22, 1996) documented groundwater at depths ranging from approximately 6 to 20 feet below ground surface (bgs). Groundwater elevation measurements indicated flow direction toward Frog Mortar Creek. The direction of groundwater flow measured during this sampling program was consistent with historical site investigation data.

### **2.3 WELL CONSTRUCTION DATA**

From 1994 to 1996, a total of three flush-mounted piezometers and six monitoring wells (three flush-mounted and three stick-up) have been installed at the southeast portion of Martin State Airport. However, during a site walk conducted in December 1998, only one piezometer (PZ-2) was able to be located - *see Figure 3-1 for well locations*. Airport personnel mentioned that considerable storm water drainage work with heavy equipment was conducted in the area between the runway and

**FIGURE 2-1**  
**SITE LOCATION MAP**



Taxiway Tango during 1997. It is assumed that piezometers PZ-1 and PZ-3 may have been destroyed or buried during this grading activity. In addition, it was observed during the site walk that monitoring well MW-1, also located between the runway and Taxiway Tango, was damaged. Originally installed as a flush-mounted well, the protective casing of this well has been lifted approximately 1-foot above ground level and is tilted towards the northwest. It appears that this well was struck by a bulldozer or grader. The top of the PVC casing was not visible and therefore groundwater elevation data from this well is not considered reliable.

Table 2-1 summarizes the well construction data for the piezometer and six monitoring wells.

**Table 2-1**  
**Summary of Well Construction Data**

Well No.	Installation Date	Casing Diameter (inches)	Construction Material	Total Well Depth (feet)	Screen Interval (feet)
PZ-2	1/17/94	2	Schedule 40 PVC	18	2 to 17
MW-1 <sup>(1)</sup>	8/10/94	4	Schedule 40 PVC	46	36 to 46
MW-2	8/12/94	4	Schedule 40 PVC	42	32 to 42
MW-3	8/12/94	4	Schedule 40 PVC	30	20 to 30
MW-4	1/29/96	4	Schedule 40 PVC	30	3 to 30
MW-5	1/30/96	4	Schedule 40 PVC	39	10 to 39
MW-6	1/31/96	4	Schedule 40 PVC	34	14 to 34

Note: Piezometers PZ-1 and PZ-3 were not located during the sampling program

<sup>(1)</sup> Due to apparent damage by heavy equipment, the MW-1 well casing has been lifted approximately 1-foot above ground

**SECTION 3**

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## **Section 3**

# **Groundwater Monitoring Well Surveying and Sampling Program**

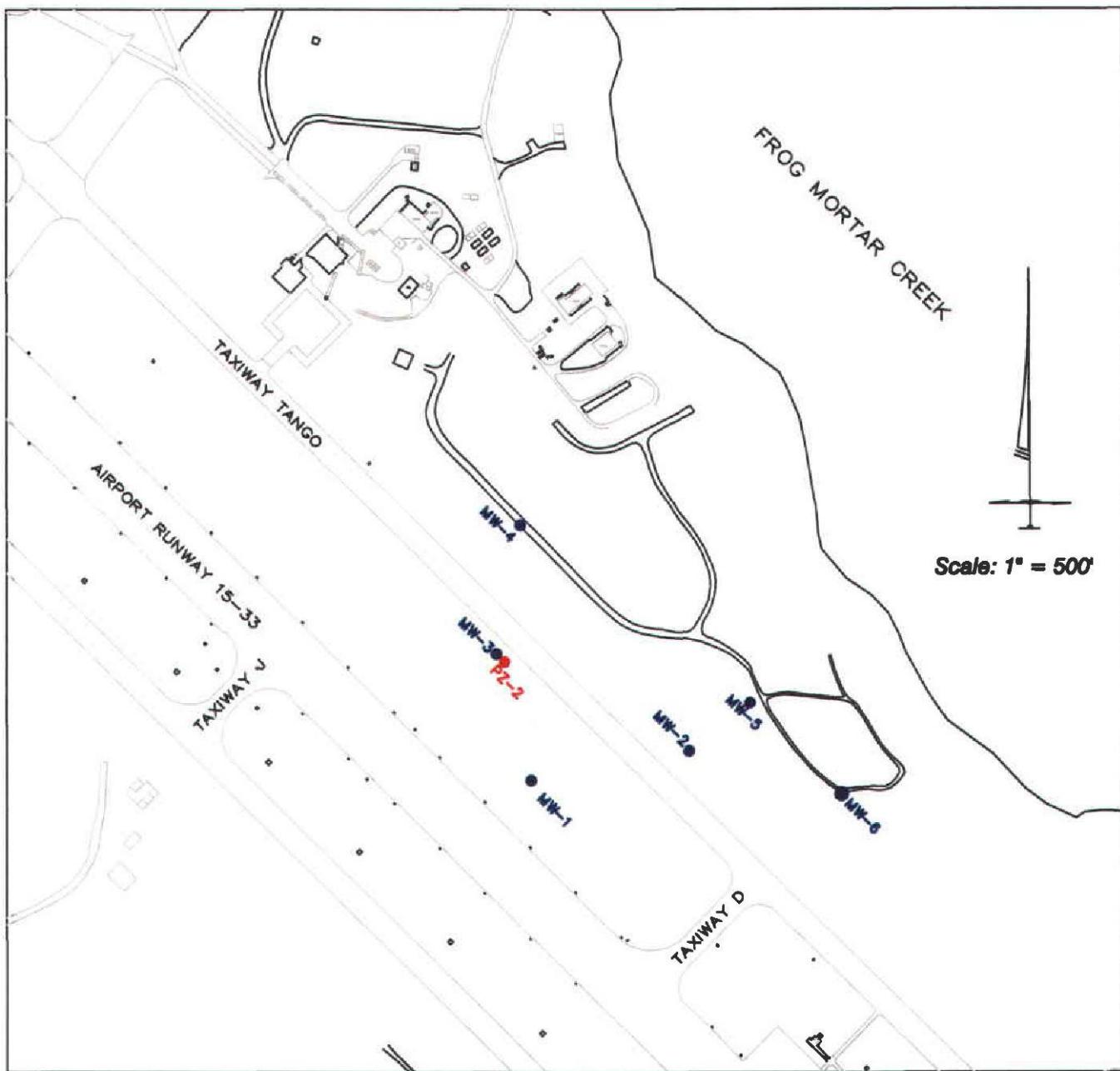
### **3.1 TECHNICAL APPROACH**

The purpose of the groundwater sampling is to provide current data on groundwater quality at six existing wells and a piezometer located within the southeast portion of Martin State Airport. The objective of the well surveying is to obtain updated data on the direction and gradient of groundwater flow. The locations of the groundwater monitoring wells and piezometers are shown in Figure 3-1. The details of the field methodologies utilized and analytical scheme are presented in Sections 3.1.1 to 3.1.6.

#### **3.1.1 Well Surveying**

Each monitoring well and piezometer location was surveyed by a surveyor licensed in Maryland. The elevations were surveyed at a notched reference point at the top of the inside well casing. This notch was also used as the reference point for measuring groundwater depths. Elevations of the top of each casing were surveyed at the reference point to the nearest 0.01 foot and elevations of the ground surface were measured to the nearest 0.1 foot, both referenced to mean sea level (MSL). The horizontal location of each well centerpoint was surveyed to the nearest 0.1 foot. All survey data is referenced to the Maryland State Plane Coordinate System. A summary of the data obtained from the survey is presented in Table 3-1.

**FIGURE 3-1**  
**EXISTING GROUNDWATER MONITORING WELL  
AND PIEZOMETER LOCATIONS**



**LEGEND**

- MW-3** MONITORING WELL LOCATION
- PZ-2** PIEZOMETER LOCATION

**Table 3-1**  
**Summary of Well Survey Data**

Well No.	Maryland State Plane Coordinates (feet)		Elevations (feet above mean sea level)	
	Northing	Easting	Top of Casing	Ground
MW-1	604,052.58	1,479,214.74	10.47	10.0
MW-2	604,144.76	1,479,708.54	9.28	9.7
MW-3	604,448.60	1,479,107.13	12.16	12.5
MW-4	604,852.95	1,479,180.77	11.46	8.0
MW-5	604,294.92	1,479,901.65	23.68	20.1
MW-6	604,009.29	1,480,185.27	17.75	14.5
PZ-2	604,423.46	1,479,131.92	12.13	12.3

### **3.1.2 Water Level Measurement**

Prior to any well purging or sampling, a complete round of water level measurements was conducted using a water level meter (groundwater depths were measured in all seven wells within 1.5 hours). Additionally, before purging or sampling of each well was performed, the water level in the well was measured. The water level meter consists of a liquid sensor attached to a measuring tape that is lowered down into the well until water is encountered. A buzzer sounds when the probe reaches groundwater and the depth is read from the tape relative to the notch in the top of the well casing. Water level measurements for each well were recorded in the field logbook.

### **3.1.3 Well Purging**

Prior to collecting a sample, each well was purged to ensure that representative samples of the surrounding formation waters were collected for chemical analysis. The well purging consisted of removing approximately three to six casing volumes of water from the well prior to sampling. Casing volumes were calculated by first measuring the depth to groundwater and then measuring the total depth of the well. The resulting height of the water column was then multiplied by a conversion factor to determine the number of gallons in one casing volume.

A down-hole submersible pump was used to purge the monitoring wells, while a hand bailer was used to purge piezometer PZ-2. Purged water was stored in 55-gallon drums labeled according to corresponding well number. These drums are currently stored onsite in a secure area and their contents will be disposed of at an approved disposal facility, based on the groundwater analytical results presented in Section 4.

During well purging, the groundwater physical parameters of temperature, pH, conductivity, and turbidity were measured using a flow-through water quality monitoring system. Stabilization of these parameters serves as an indicator of adequate purging in preparation for collection of a representative groundwater sample. Table 3-1 summarizes the final readings for each parameter prior to sample collection. The monitoring data was recorded on field data logs - *see Appendix A*.

**Table 3-2**  
**Summary of Final Well Purging Parameter Readings**

Well No.	Date / Time	Volume Purged	Temperature (°C)	pH	Turbidity (NTU)	Conductivity ( $\mu\text{mhos}/\text{cm}$ )
MW-1	3-17-99 / 1430	~ 68 gallons	15.3	5.53	9.00	0.153
MW-2	3-17-99 / 1600	~ 66 gallons	14.1	3.57	8.57	0.783
MW-3	3-18-99 / 1157	~ 53 gallons	15.0	5.43	17.6	0.214
MW-4	3-16-99 / 1508	~ 48 gallons	7.8	6.88	14.1	0.934
MW-5	3-18-99 / 1123	~ 51 gallons	14.7	4.33	28.6	0.273
MW-6	3-18-99 / 1242	~ 42 gallons	14.8	4.23	7.50	0.588
PZ-2	3-17-99 / 1107	~ 9 gallons	13.4	5.87	78.4	0.596

### **3.1.4      Groundwater Sample Collection**

Once at least three well volumes had been purged and the physical parameters described in Section 3.1.3 stabilized, one groundwater sample was collected from each of the six monitoring wells and the piezometer. Samples were transferred directly from the pre-decontaminated, disposable polyethylene

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bailers into laboratory-prepared sample containers and immediately placed on ice in a cooler. At the end of each day's sampling activities, samples were transported to Gascoyne Laboratories, a Maryland State-Certified laboratory, for analysis.

### **3.1.5      Laboratory Analyses**

All groundwater samples were recorded on chain-of-custody forms that accompanied the samples to the laboratory. Groundwater samples were analyzed for the following analytical parameters:

- Total Petroleum Hydrocarbons – gas and diesel using EPA Method 8015 Modified
- Volatile Organic Compounds (VOCs) using EPA Method 8260B
- Semi-Volatile Organic Compounds (SVOCs) using EPA Method 8270C, and
- Total Priority Pollutant Metals using EPA Method 6020/7470A.
- Dissolved Priority Pollutant Metals using EPA Method 6020/7470A.

Quality control samples (trip blanks and field duplicate) were also delivered to the laboratory. The trip blanks were provided by the laboratory and accompanied all VOC samples. The field duplicate (labeled MW-7) was collected from monitoring well MW-5.

### **3.1.6      Field Quality Assurance / Quality Control Procedures**

Field quality assurance and quality control procedures included the following actions that minimized the potential for cross-contamination:

- The well purging equipment was washed in a solution of Alconox and clean tap water, rinsed in clean tap water, and then rinsed in distilled water between each sample.
- A new, pre-decontaminated polyethylene bailer was used to collect each groundwater sample.
- Clean, laboratory-prepared containers were used for each sample.

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### **3.1.7 Field Notes / Documentation Procedures**

In addition to a field notebook, which was used to record the daily log of site activities, the following forms were used to record data generated in the field:

- Daily Record of Work Progress: This form was used to record names of project personnel on the site, equipment on-site, materials delivered to the job, items of work completed, and a daily summary.
- Calibration Forms: An instrument-specific form was used to record calibration data. Data was entered at the beginning and end of each day.
- Well Log: This form was used to record specific conductivity, pH, temperature, and turbidity measurements obtained during well purging.
- Chain-of-Custody Record: This form accompanied each shipment of samples to the laboratory to insure accountability for the samples from the time of collection to the time they were received at the laboratory.
- Tailgate Safety Meeting: This form was used to record all safety issues discussed by the Site Safety Officer with field personnel prior to starting work. These issues included hazards that may be encountered during work, preventive health and safety measures, and emergency hospital routes.

**SECTION 4**

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## Section 4

# Summary of Analytical Results

A total of eight groundwater samples (including the duplicate sample) were collected from six monitoring wells and one piezometer to obtain updated chemical data on groundwater quality at the southeast portion of Martin State Airport. The duplicate sample was collected from monitoring well MW-5 and is labeled as MW-7. These samples were analyzed by Gascoyne Laboratories, Inc., a Maryland State certified laboratory for the following parameters:

- Total Petroleum Hydrocarbons – gas and diesel using EPA Method 8015 Modified
- Volatile Organic Compounds (VOCs) using EPA Method 8260B
- Semi-Volatile Organic Compounds (SVOCs) using EPA Method 8270C, and
- Total Priority Pollutant Metals using EPA Method 6020/7470A.
- Dissolved Priority Pollutant Metals using EPA Method 6020/7470A.

The results of the sampling program are presented in this section and the laboratory analytical data reports are presented in Appendix B.

### *Petroleum Hydrocarbons*

All eight samples were analyzed for both gasoline and diesel range petroleum hydrocarbons. Gasoline was detected in two monitoring wells, MW-3 and MW-5, at concentrations of 170 ppb and 46,000 ppb, respectively. In addition, diesel was detected in four monitoring wells at concentrations ranging from 340 ppb to 2,800 ppb. Similar gas and diesel levels were also detected in the duplicate sample. The results of the chemical analyses are presented in Table 4-1.

**Table 4-1**  
**Summary of Petroleum Hydrocarbons Detected**

TPH Detected (ppb)	Monitoring Well No.							
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7* Duplicate	PZ-2
Gasoline	ND	ND	170	ND	46,000	ND	48,000	ND
Diesel	ND	340	430	ND	2,800	ND	2,500	2,500

ND = Not Detected Above Reporting Limit

\*MW-7 = Duplicate sample collected from monitoring well MW-5

*Volatile Organic Compounds (VOCs)*

A total of seven VOCs were detected from the eight groundwater samples analyzed at concentrations above the Maximum Contaminant Levels (MCLs) specified by the US EPA's National Primary Drinking Water Regulations. Monitoring well MW-5 reported the highest concentrations of four VOCs (cis-1,2-dichloroethene, toluene, 1,1,1-trichloroethane, and trichloroethylene) above the MCLs. The results of the chemical analysis are presented in Table 4-2.

**Table 4-2**  
**Summary of Volatile Organic Compounds (VOCs) Detected**

VOC Detected (ppb)	Monitoring Well No.								MCL (ppb)
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7* Duplicate	PZ-2	
Benzene	ND	ND	ND	ND	ND	ND	ND	14	5
cis-1,2-DCE	ND	8	91	8	55,000	43	57,000	9	70
Chloroform	ND	ND	ND	ND	ND	5	ND	ND	None
Toluene	ND	ND	ND	ND	5,800	5	6,100	ND	1,000
1,1,1-TCA	ND	ND	ND	ND	3,000	ND	3,100	ND	200
TCE	36	16	380	ND	56,000	41	59,000	10	5
Vinyl Chloride	ND	ND	ND	34	ND	ND	ND	ND	2

ND = Not Detected Above Reporting Limit

\*MW-7 = Duplicate sample collected from monitoring well MW-5

MCL based on US EPA's National Primary Drinking Water Regulations

cis-1,2-DCE = cis-1,2-Dichloroethene

1,1,1-TCA = 1,1,1-Trichloroethane

TCE = Trichloroethylene

### *Semi-Volatile Organic Compounds (SVOCs)*

All eight groundwater samples were analyzed for SVOCs. Only monitoring well MW-5 and the corresponding duplicate sample contained SVOCs. A total of four compounds were detected as shown in Table 4-3.

**Table 4-3**  
**Summary of Semi-Volatile Organic Compounds (SVOCs) Detected**

SVOC Detected (ppb)	Monitoring Well No.							
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7* Duplicate	PZ-2
2-Methylphenol	ND	ND	ND	ND	ND	ND	11	ND
4-Methylphenol	ND	ND	ND	ND	22	ND	28	ND
Phenol	ND	ND	ND	ND	15	ND	27	ND
Naphthalene	ND	ND	ND	ND	50	ND	45	ND

ND = Not Detected above Reporting Limit

\*MW-7 = Duplicate sample collected from monitoring well MW-5

### *Total Priority Pollutant Metals*

All eight groundwater samples were analyzed for total priority pollutant metals. A total of eleven metals were detected as shown in Table 4-4.

**Table 4-4**  
**Summary of Total Priority Pollutant Metals Detected**

Metal Detected (ppm)	Monitoring Well No.							
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7* Duplicate	PZ-2
Antimony (Sb)	ND	ND	ND	ND	ND	ND	ND	0.012
Arsenic (As)	ND	ND	0.008	ND	0.012	0.005	0.017	0.018
Beryllium (Be)	ND	0.008	ND	ND	0.0096	0.0040	0.0096	ND
Cadmium (Cd)	ND	0.016	ND	0.0035	0.021	0.0010	0.022	0.0052
Chromium (Cr)	0.0050	ND	0.0057	ND	0.021	0.0040	0.027	0.52
Copper (Cu)	0.008	0.015	ND	0.006	0.12	0.006	0.15	0.090
Lead (Pb)	0.006	ND	ND	ND	0.034	0.007	0.046	0.047
Nickel (Ni)	0.013	0.12	0.009	0.026	0.17	0.036	0.16	0.018
Selenium (Se)	ND	ND	ND	ND	0.022	ND	0.023	ND
Silver (Ag)	ND	ND	ND	ND	ND	ND	ND	0.001
Zinc (Se)	1.0	0.55	0.11	0.45	0.42	0.10	0.44	0.41

ND = Not Detected Above Reporting Limit

\*MW-7 = Duplicate sample collected from monitoring well MW-5

#### *Dissolved Priority Pollutant Metals*

All eight groundwater samples were analyzed for dissolved priority pollutant metals. A total of nine dissolved metals were detected. Only two dissolved metals (beryllium and cadmium) were detected in samples collected from MW-2 and MW-5 at concentrations above the MCLs. Similar concentrations were also detected in the duplicate sample collected from MW-5. The results of the chemical analysis are presented in Table 4-2.

**Table 4-5**  
**Summary of Dissolved Priority Pollutant Metals Detected**

Metal Detected (ppm)	Monitoring Well No.								MCL (ppm)
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7* Duplicate	PZ-2	
Arsenic (As)	ND	ND	ND	ND	ND	ND	ND	0.005	0.05
Beryllium (Be)	ND	0.0081	ND	ND	0.0086	0.0041	0.0086	ND	0.004
Cadmium (Cd)	ND	0.017	ND	ND	0.023	0.0014	0.022	ND	0.005
Chromium (Cr)	ND	ND	ND	ND	0.0060	ND	0.0053	ND	0.1
Copper (Cu)	ND	0.013	ND	ND	0.085	ND	0.073	ND	1.3
Lead (Pb)	ND	ND	ND	ND	0.012	ND	0.013	ND	0.015
Nickel (Ni)	0.010	0.11	0.007	0.026	0.17	0.034	0.16	0.006	None
Selenium (Se)	ND	ND	ND	ND	0.020	ND	0.018	ND	0.05
Zinc (Se)	0.17	0.55	0.09	0.46	0.43	0.12	0.43	ND	None

ND = Not Detected Above Reporting Limit

\*MW-7 = Duplicate sample collected from monitoring well MW-5

MCL based on US EPA's National Primary Drinking Water Regulations

**SECTION 5**

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## Section 5

# Groundwater Elevation Data

In order to obtain an accurate "snapshot" of groundwater elevations and flow at the southeast portion of Martin State Airport, prior to well purging, groundwater depths were measured in all seven wells within a timeframe of 1.5 hours. Table 5-1 summarizes the data obtained from this round of groundwater level measurements. As mentioned in Section 2, well MW-1 was found to be damaged, therefore groundwater elevation data from this well is not considered valid.

**Table 5-1**  
**Groundwater Elevations**

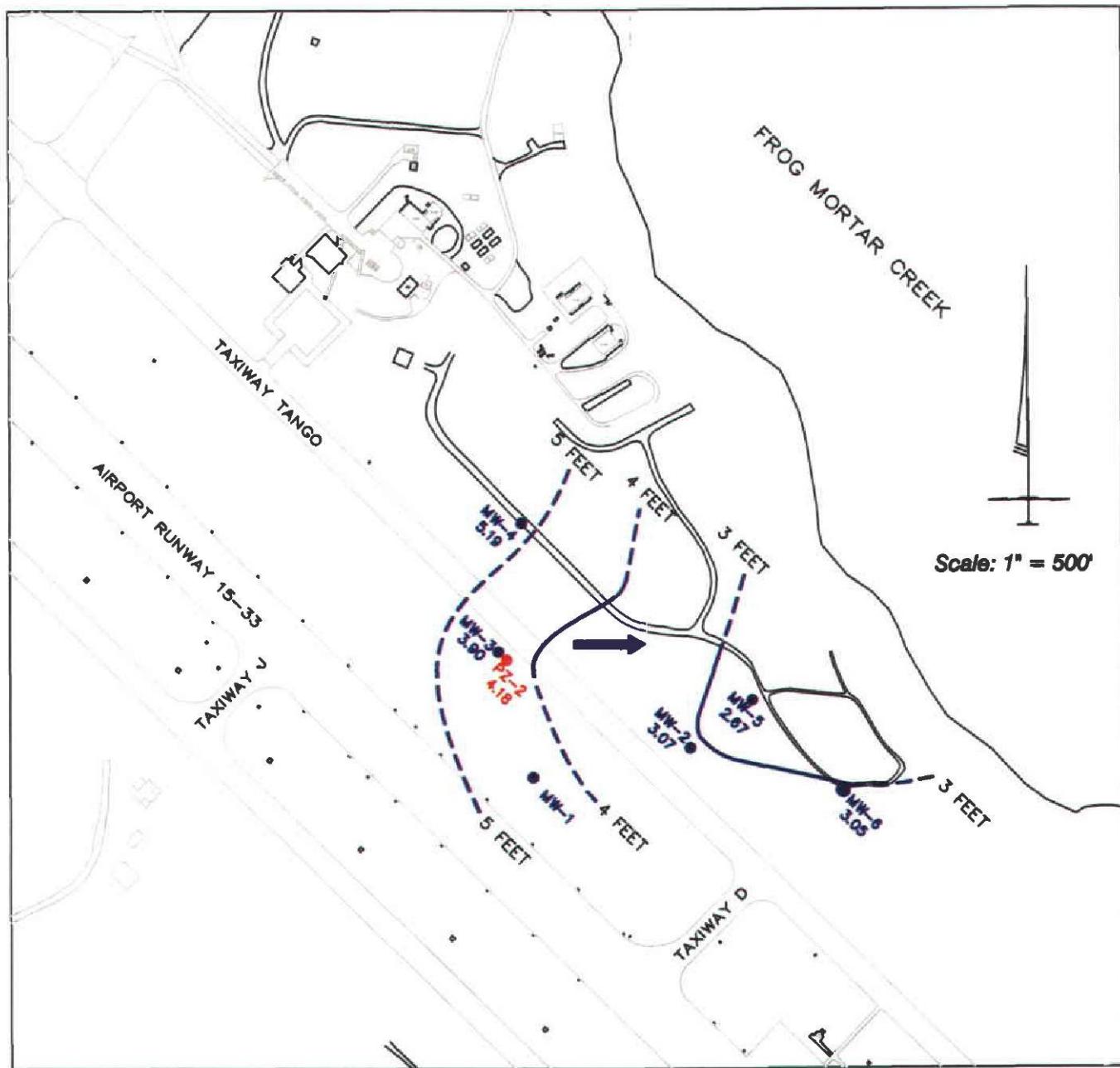
Well No.	Top of Casing Elevation (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet above mean sea level)	Date / Time of Groundwater Depth Measurement
MW-2	9.28	6.21	3.07	3-16-99 / 1250
MW-3	12.16	8.26	3.90	3-16-99 / 1304
MW-4	11.46	6.27	5.19	3-16-99 / 1135
MW-5	23.68	21.05	2.63	3-16-99 / 1150
MW-6	17.75	14.70	3.05	3-16-99 / 1200
PZ-2	12.13	7.95	4.18	3-16-99 / 1300

The groundwater elevation data are plotted on Figure 5-1, which presents groundwater flow contours. The MW-3 groundwater elevation was not used for the contour map given the measurements at PZ-2 and MW-4. The apparent general flow direction, easterly towards Frog Mortar Creek, agrees with that determined in previous investigations. This is also the flow direction that would be most likely in this hydrologic setting (groundwater flowing towards an adjacent large surface water body).

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By measuring the distance between two wells parallel to the flow direction, the hydraulic gradient can be determined. Using the elevation data depicted on Figure 5-1, measurements between wells MW-2 and PZ-2, and MW-5 and PZ-2 are roughly parallel to the groundwater flow direction. Gradients of 0.0017 feet/feet and 0.0020 feet/feet, respectively, were calculated, with an average gradient of 0.00185 feet/feet. Calculating the hydraulic gradient between wells MW-4 and MW-5 also appears to be parallel to flow, and results in a higher gradient of 0.0028 feet/feet.

**FIGURE 5-1**  
**GROUNDWATER**  
**CONTOUR MAP**



**LEGEND**

- MW-3** MONITORING WELL LOCATION
- PZ-2** PIEZOMETER LOCATION
- GROUNDWATER CONTOUR ELEVATION
- DIRECTION OF GROUNDWATER FLOW

**SECTION 6**

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## Section 6

# Local Groundwater Well Information

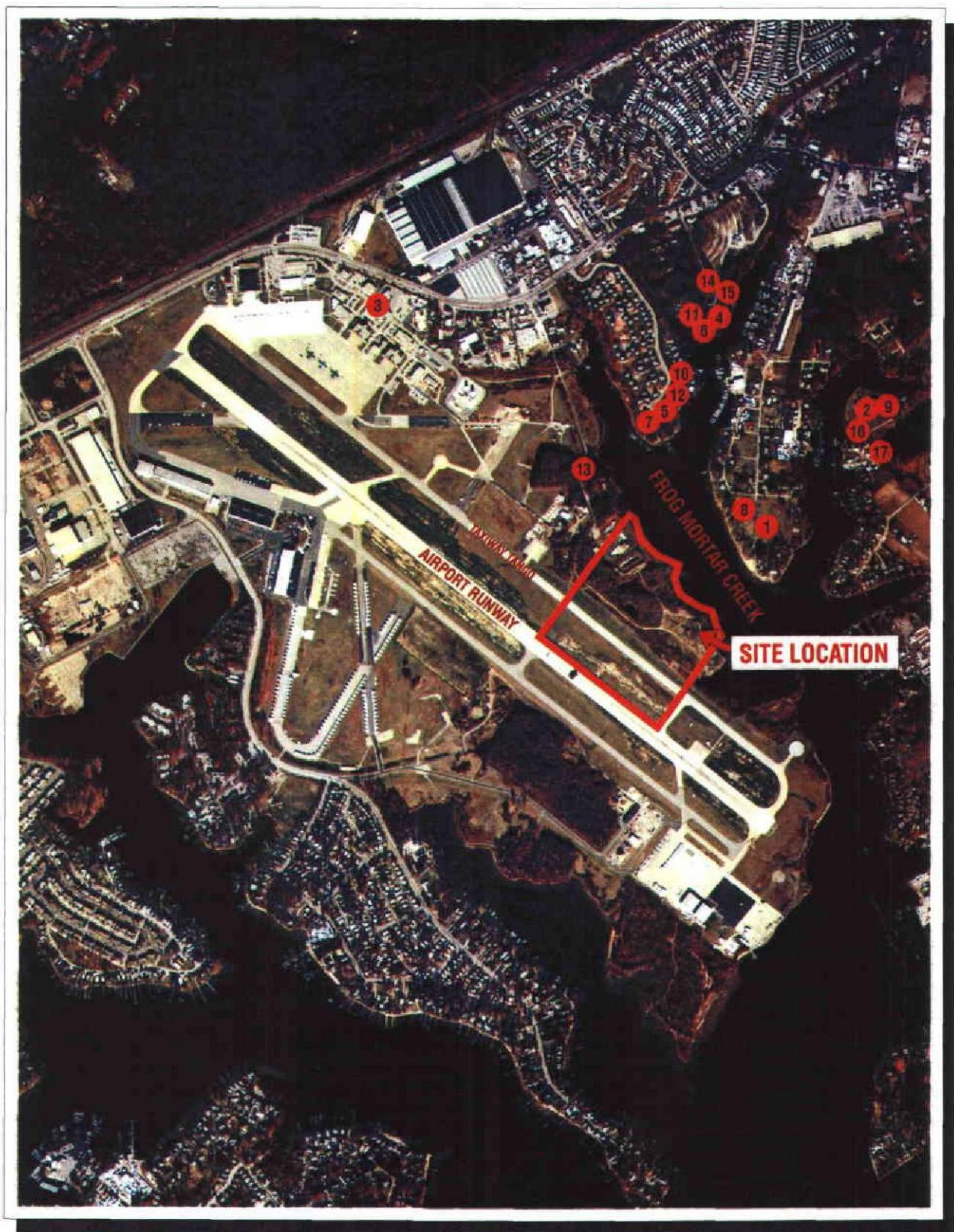
The Maryland Department of the Environment (MDE) was contacted in order to obtain information on groundwater wells in the area surrounding the site. MDE personnel conducted a search of the MDE well log database to locate groundwater wells within approximately a one-half mile radius of the site. A total of seventeen wells were identified, primarily in neighborhoods on the opposite side of Frog Mortar Creek, north-northeast of the site – *see Figure 6-1*. A summary of the available information on these wells is presented in Table 6-1. Only two of the seventeen wells have industrial uses and the remainder are used for domestic purposes. Well depths range from 50 to 199 feet.

**Table 6-1**  
Summary of Local Groundwater Well Information

Well Number	Well Use	Depth (feet)
1	Industrial	50
2	Domestic	135
3	Domestic	0*
4	Domestic	0*
5	Domestic	104
6	Domestic	110
7	Domestic	110
8	Domestic	68
9	Domestic	100
10	Domestic	114
11	Domestic	115
12	Domestic	107
13	Industrial	199
14	Domestic	115
15	Domestic	110
16	Domestic	110
17	Domestic	87

\*Data as provided by MDE

**FIGURE 6-1**  
**APPROXIMATE LOCATIONS OF LOCAL GROUNDWATER WELLS**



**LEGEND**

- Approximate locations of groundwater wells

---

Based on the estimated groundwater flow direction presented in Section 5, these wells would not be considered downgradient of the site. Further isolating these wells from the site is Frog Mortar Creek, which most likely acts as a hydraulic barrier or divide between groundwater at Martin State Airport and groundwater present on the northern side of Frog Mortar Creek.

**APPENDIX A**

## **WELL DEVELOPMENT - GROUNDWATER SAMPLING LOG**

## Project

## Martin State Airport

Date

3117199

Page

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## Development Equip.

## Submersible Pump (2gpm)

### **Sampling Equip**

### Location

## Client

Lockheed Martin

## Samplers

Don Eibbmann  
Fauah Lowe

Barry

## **WELL DEVELOPMENT - GROUNDWATER SAMPLING LOG**

## Project

## Mastin State Airport

Date

5/17/99

Page

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### **Development Equip.**

## Submersible Pumps (29pm)

## **Sampling Equipment**

#### Location

Client

Lockheed Martin

## Samplers

Dr. Eisenmann

Farrah Lowe

## **WELL DEVELOPMENT - GROUNDWATER SAMPLING LOG**

Project Marten State Airport Date 3/18/99 Page 1 of 1

Development Equip. submersible pump (2gpm) Sampling Equip. disposable bottles

Location \_\_\_\_\_ Client Lockheed Martin Samplers Farah Lowe  
for bldt. Dan Esenmaier

## **WELL DEVELOPMENT - GROUNDWATER SAMPLING LOG**

## Project

Marten State Airport

Date

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Page

## 2) 第一章

### Development Equip.

Submersible pump (2gpm)

### Sampling Equip.

### **Location**

## Client

Lockheed Martin

## Samplers

Dan Eisemann

## Turbidity

Farrah Lowe

## **WELL DEVELOPMENT - GROUNDWATER SAMPLING LOG**

Project Martin State Airport Date 3/8/99 Page 1 of 1

Development Equip. Submersible pump (2gpm) Sampling Equip. Disposable baster

Location \_\_\_\_\_ Client Lockheed Martin Samplers Ian Eisele  
Faith Lowe  
for positive

## **WELL DEVELOPMENT - GROUNDWATER SAMPLING LOG**

Project Martin State Airport Date 3/8/71 Page 1 of 1

Development Equip. submersible pump (29pm) Sampling Equip. disposable baileys

Location \_\_\_\_\_ Client Lockheed Martin Samplers Dan Eisemann  
Farrah Lowe

## **WELL DEVELOPMENT - GROUNDWATER SAMPLING LOG**

## Project

Martin State Airport

Date

317

Page

~~F2~~ 1 of ~~1~~ 1

### **Development Equip.**

Submersible pump (29pm)

## **Sampling Equip**

#### **Location**

Client

Lockheed Martin

## Samplers

Dan Esemann

## Turbidets

Sarah Lowe

**APPENDIX B**



# Gascoyne Laboratories, Inc.

Baltimore, MD 21224

(410) 633-1800

FAX NO.  
(410) 633-5443

[www.gascoyne.com](http://www.gascoyne.com)

## REPORT OF ANALYSIS

Page 1 of 6

Report No: 9901448

Tetra Tech  
10670 White Rock Road  
Suite 100  
Rancho Cordeva, CA 95670  
Attn: Nisha Bansal

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project MARTIN AIRPORT:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by
MW-4 DISSOLVED, 16-Mar-1999(1540)	Groundwater	990005444	Gascoyne 16-Mar-1999
MW-4 TOTAL, 16-Mar-1999(1540)	Groundwater	990005445	16-Mar-1999

This Report contains the following:

- A) Cover Letter
- B) Test Results
- C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339;  
New York: 11158; A2LA: 410.01; AIHA:8885; US Army Corps of Engineers;  
and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

Final report reviewed by: James H. Newman, Client Services Manager

4/1/99  
Report issue date



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## REPORT OF ANALYSIS

Page 2 of 6

Report no: 9901448

Client: Tetra Tech

Sample Id: Submitted samples: MW-4 DISSOLVED collected on 16-Mar-99(15:40)

Laboratory Sample Number: 990005444

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Mercury(Hg)	<0.0002 ppm	0.0002 ppm	EPA-7470A	CSG	22-Mar-99(17:37)
<b>Sample/Test Notes:</b> Analysis performed on filtered (0.45 micron) sample.					
Antimony(Sb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:35)
Arsenic(As)	<0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(19:35)
Beryllium(Be)	<0.0025 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(19:35)
Cadmium(Cd)	<0.0005 ppm	0.0005 ppm	EPA-6020	CJK	30-Mar-99(19:35)
Chromium(Cr)	<0.0025 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(19:35)
Copper(Cu)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:35)
Lead(Pb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:35)
Nickel(Ni)	0.026 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:35)
Selenium(Se)	<0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(19:35)
Silver(Ag)	<0.0010 ppm	0.0010 ppm	EPA-6020	CJK	30-Mar-99(19:35)
Thallium(Tl)	<0.0020 ppm	0.0020 ppm	EPA-6020	CJK	30-Mar-99(19:35)
Zinc(Zn)	0.46 ppm	0.020 ppm	EPA-6020	CJK	30-Mar-99(19:35)

**Sample/Test Notes:**

Analysis performed on filtered (0.45 micron) sample.



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## REPORT OF ANALYSIS

Page 3 of 6

Report no: 9901448

Client: Tetra Tech

Sample Id: Submitted samples: MW-4 TOTAL collected on 16-Mar-99(15:40)

Laboratory Sample Number: 990005445

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
2,4,5-Trichlorophenol	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
2,4,6-Trichlorophenol	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
2,4-Dichlorophenol	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
2,4-Dimethylphenol	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
2,4-Dinitrophenol	<50 ppb	50 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
2-Chlorophenol	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
2-Methylphenol	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
2-Nitrophenol	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
4,6-Dinitro-2-Methyl Phenol	<50 ppb	50 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
4-Chloro-3-Methyl Phenol	<20 ppb	20 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
4-Methylphenol	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
4-Nitrophenol	<50 ppb	50 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Pentachlorophenol	<50 ppb	50 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Phenol	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
2-Fluorophenol(surrogate)	55 % Rec	NA	EPA-8270C	DJP	22-Mar-99(16:57)
Phenol-d5(surrogate)	32 % Rec	NA	EPA-8270C	DJP	22-Mar-99(16:57)
2,4,6-Tribromophenol(surrogate)	98 % Rec	NA	EPA-8270C	DJP	22-Mar-99(16:57)
1,2,4-Trichlorobenzene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
1,2-Dichlorobenzene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
1,3-Dichlorobenzene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
1,4-Dichlorobenzene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
2,4-Dinitrotoluene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
2,6-Dinitrotoluene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
2-Chloronaphthalene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
2-Methylnaphthalene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
2-Nitroaniline	<50 ppb	50 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
3,3'-Dichlorobenzidine	<20 ppb	20 ppb	EPA-8270C	DJP	22-Mar-99(16:57)



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## REPORT OF ANALYSIS

Page 4 of 6

Report no: 9901448

Client: Tetra Tech

Sample Id: Submitted samples: MW-4 TOTAL collected on 16-Mar-99(15:40)

Laboratory Sample Number: 990005445

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
3-Nitroaniline	<50 ppb	50 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
4-Bromophenyl Phenyl Ether	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
4-Chloroaniline	<20 ppb	20 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
4-Chlorophenyl Phenyl Ether	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
4-Nitroaniline	<50 ppb	50 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Acenaphthene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Acenaphthylene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Anthracene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Benzo(a)Anthracene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Benzo(a)Pyrene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Benzo(b)Fluoranthene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Benzo(g,h,i)Perylene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Benzo(k)Fluoranthene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Bis(2-Chloroethoxy)Methane	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Bis(2-Chloroethyl)Ether	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Bis(2-Chloroisopropyl)Ether	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Bis(2-Ethylhexyl)Phthalate	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Butyl Benzyl Phthalate	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Carbazole	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Chrysene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Di-n-Butyl Phthalate	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Di-n-Octyl Phthalate	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Dibenz(a,h)Anthracene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Dibenzofuran	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Diethyl Phthalate	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Dimethyl Phthalate	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Fluoranthene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Fluorene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Hexachlorobenzene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Hexachlorobutadiene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Hexachlorocyclopentadiene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)



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## REPORT OF ANALYSIS

Page 5 of 6

Report no: 9901448

Client: Tetra Tech

Sample Id: Submitted samples: MW-4 TOTAL collected on 16-Mar-99(15:40)

Laboratory Sample Number: 990005445

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Hexachloroethane	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Indeno(1,2,3-cd)Pyrene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Isophorone	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
N-Nitrosodi-N-propylamine	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
N-Nitrosodiphenylamine	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Naphthalene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Nitrobenzene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Phenanthrene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Pyrene	<10 ppb	10 ppb	EPA-8270C	DJP	22-Mar-99(16:57)
Nitrobenzene-d5(surrogate)	109 % Rec	NA	EPA-8270C	DJP	22-Mar-99(16:57)
2-Fluorobiphenyl(surrogate)	91 % Rec	NA	EPA-8270C	DJP	22-Mar-99(16:57)
Terphenyl-d14(surrogate)	96 % Rec	NA	EPA-8270C	DJP	22-Mar-99(16:57)
Diesel Range Organics(C10-C28)	<100 ppb	100 ppb	EPA-8015B	MST	19-Mar-99(13:47)
n-Pentacosane(surrogate)	83 % Rec	NA	EPA-8015B	MST	19-Mar-99(13:47)
Gasoline Range Organics(C6-C10)	<100 ppb	100 ppb	EPA-8015B	NJ	19-Mar-99(08:19)
Trifluorotoluene(surrogate)	103 % Rec	NA	EPA-8015B	NJ	19-Mar-99(08:19)
Mercury(Hg)	<0.0002 ppm	0.0002 ppm	EPA-7470A	CSG	22-Mar-99(17:39)



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## REPORT OF ANALYSIS

Page 6 of 6

Report no: 9901448

Client: Tetra Tech

Sample Id: Submitted samples: MW-4 TOTAL collected on 16-Mar-99(15:40)

Laboratory Sample Number: 990005445

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Antimony(Sb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(23:30)
Arsenic(As)	<0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(21:56)
Beryllium(Be)	<0.0025 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(21:56)
Cadmium(Cd)	0.0035 ppm	0.0005 ppm	EPA-6020	CJK	30-Mar-99(21:56)
Chromium(Cr)	<0.0025 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(21:56)
Copper(Cu)	0.006 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(21:56)
Lead(Pb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(21:56)
Nickel(Ni)	0.026 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(21:56)
Selenium(Se)	<0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(21:56)
Silver(Ag)	<0.0010 ppm	0.0010 ppm	EPA-6020	CJK	30-Mar-99(21:56)
Thallium(Tl)	<0.0020 ppm	0.0020 ppm	EPA-6020	CJK	30-Mar-99(21:56)
Zinc(Zn)	0.45 ppm	0.020 ppm	EPA-6020	CJK	30-Mar-99(21:56)



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## REPORT OF ANALYSIS

Tetra Tech  
10670 White Rock Road  
Suite 100  
Rancho Cordeva, CA 95670  
Attn: Nisha Bansal

Page 1 of 30  
Report No: 9901470

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project MARTIN AIRPORT:

Client Sample I.D..	Sample Type	Lab Sample No.	Received by
MW-1 TOTAL; GRAB, 17-Mar-1999(1435)	Groundwater	990005597	17-Mar-1999
MW-3 TOTAL; GRAB, 17-Mar-1999(1210)	Groundwater	990005598	17-Mar-1999
PZ-2 TOTAL; GRAB, 17-Mar-1999(1110)	Groundwater	990005599	17-Mar-1999
MW-2 TOTAL; GRAB, 17-Mar-1999(1605)	Groundwater	990005600	17-Mar-1999
MW-4 TOTAL; GRAB, 17-Mar-1999(1645)	Groundwater	990005601	17-Mar-1999
TRIP BLANK, 11-Mar-1999(0600)	Water	990005602	17-Mar-1999
MW-1 DISS; GRAB, 17-Mar-1999(1435)	Groundwater	990005614	17-Mar-1999
MW-3 DISS; GRAB, 17-Mar-1999(1210)	Groundwater	990005615	17-Mar-1999
PZ-2 DISS; GRAB, 17-Mar-1999(1110)	Groundwater	990005616	17-Mar-1999



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## REPORT OF ANALYSIS

Tetra Tech  
10670 White Rock Road  
Suite 100  
Rancho Cordova, CA 95670  
Attn: Nisha Bansal

Page 2 of 30  
Report No: 9901470

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by
MW-2 DISS; GRAB, 17-Mar-1999(1805)	Groundwater	990005617	Gascoyne
			17-Mar-1999

This Report contains the following:

- A) Cover Letter
- B) Test Results
- C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339;  
New York: 11158; A2LA: 410.01; AIHA:8885; US Army Corps of Engineers;  
and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

Final report reviewed by: James H. Newman, Client Services Manager

A handwritten signature of James H. Newman.

4/2/99

Report issue date



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## REPORT OF ANALYSIS

Page 3 of 30

Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: MW-1 TOTAL; GRAB collected on 17-Mar-99(14:35)

Laboratory Sample Number: 990005597

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
2,4,5-Trichlorophenol	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
2,4,6-Trichlorophenol	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
2,4-Dichlorophenol	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
2,4-Dimethylphenol	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
2,4-Dinitrophenol	<60 ppb	60 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
2-Chlorophenol	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
2-Methylphenol	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
2-Nitrophenol	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
4,6-Dinitro-2-Methyl Phenol	<60 ppb	60 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
4-Chloro-3-Methyl Phenol	<24 ppb	24 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
4-Methylphenol	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
4-Nitrophenol	<60 ppb	60 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Pentachlorophenol	<60 ppb	60 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Phenol	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
2-Fluorophenol(surrogate)	40 % Rec	NA	EPA-8270C	DJP	26-Mar-99(20:48)
Phenol-d5(surrogate)	32 % Rec	NA	EPA-8270C	DJP	26-Mar-99(20:48)
2,4,6-Tribromophenol(surrogate)	18 % Rec	NA	EPA-8270C	DJP	26-Mar-99(20:48)

1,2,4-Trichlorobenzene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
1,2-Dichlorobenzene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
1,3-Dichlorobenzene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
1,4-Dichlorobenzene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
2,4-Dinitrotoluene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
2,6-Dinitrotoluene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
2-Chloronaphthalene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
2-Methylnaphthalene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
2-Nitroaniline	<60 ppb	60 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
3,3'-Dichlorobenzidine	<24 ppb	24 ppb	EPA-8270C	DJP	26-Mar-99(20:48)



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## REPORT OF ANALYSIS

Page 4 of 30

Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: MW-1 TOTAL; GRAB collected on 17-Mar-99(14:35)

Laboratory Sample Number: 990005597

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
3-Nitroaniline	<60 ppb	60 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
4-Bromophenyl Phenyl Ether	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
4-Chloroaniline	<24 ppb	24 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
4-Chlorophenyl Phenyl Ether	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
4-Nitroaniline	<60 ppb	60 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Acenaphthene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Acenaphthylene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Anthracene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Benzo(a)Anthracene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Benzo(a)Pyrene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Benzo(b)Fluoranthene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Benzo(g,h,i)Perylene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Benzo(k)Fluoranthene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Bis(2-Chloroethoxy)Methane	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Bis(2-Chloroethyl)Ether	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Bis(2-Chloroisopropyl)Ether	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Bis(2-Ethylhexyl)Phthalate	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Butyl Benzyl Phthalate	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Carbazole	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Chrysene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Di-n-Butyl Phthalate	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Di-n-Octyl Phthalate	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Dibenz(a,h)Anthracene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Dibenzofuran	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Diethyl Phthalate	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Dimethyl Phthalate	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Fluoranthene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Fluorene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Hexachlorobenzene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Hexachlorobutadiene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Hexachlorocyclopentadiene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)



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## REPORT OF ANALYSIS

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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: MW-1 TOTAL; GRAB collected on 17-Mar-99(14:35)

Laboratory Sample Number: 990005597

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Hexachloroethane	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Indeno(1,2,3-cd)Pyrene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Isophorone	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
N-Nitrosodi-N-propylamine	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
N-Nitrosodiphenylamine	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Naphthalene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Nitrobenzene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Phenanthrene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Pyrene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(20:48)
Nitrobenzene-d5(surrogate)	112 % Rec	NA	EPA-8270C	DJP	26-Mar-99(20:48)
2-Fluorobiphenyl(surrogate)	92 % Rec	NA	EPA-8270C	DJP	26-Mar-99(20:48)
Terphenyl-d14(surrogate)	110 % Rec	NA	EPA-8270C	DJP	26-Mar-99(20:48)

Chloromethane	<10 ppb	10 ppb	EPA-8260B	THP	21-Mar-99(14:22)
Vinyl Chloride	<10 ppb	10 ppb	EPA-8260B	THP	21-Mar-99(14:22)
Bromomethane	<10 ppb	10 ppb	EPA-8260B	THP	21-Mar-99(14:22)
Chloroethane	<10 ppb	10 ppb	EPA-8260B	THP	21-Mar-99(14:22)
Acetone	<100 ppb	100 ppb	EPA-8260B	THP	21-Mar-99(14:22)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
Carbon Disulfide	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
Methylene Chloride	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
2-Butanone	<100 ppb	100 ppb	EPA-8260B	THP	21-Mar-99(14:22)
cis-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
Chloroform	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)



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## REPORT OF ANALYSIS

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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: MW-1 TOTAL; GRAB collected on 17-Mar-99(14:35)

Laboratory Sample Number: 990005597

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Benzene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
Trichloroethene	36 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
Bromodichloromethane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
4-Methyl-2-Pentanone	<50 ppb	50 ppb	EPA-8260B	THP	21-Mar-99(14:22)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
2-Hexanone	<50 ppb	50 ppb	EPA-8260B	THP	21-Mar-99(14:22)
Toluene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
Tetrachloroethene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
Dibromochloromethane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
Chlorobenzene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
Ethylbenzene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
Total Xylenes	<10 ppb	10 ppb	EPA-8260B	THP	21-Mar-99(14:22)
Styrene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
Bromoform	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:22)
Dibromofluoromethane(surrogate)	110 % Rec	NA	EPA-8260B	THP	21-Mar-99(14:22)
1,2-Dichloroethane-d4(surrogate)	99 % Rec	NA	EPA-8260B	THP	21-Mar-99(14:22)
Toluene-d8(surrogate)	99 % Rec	NA	EPA-8260B	THP	21-Mar-99(14:22)
Bromofluorobenzene(surrogate)	112 % Rec	NA	EPA-8260B	THP	21-Mar-99(14:22)

Diesel Range Organics(C10-C28)	<120 ppb	120 ppb	EPA-8015B	SLB	23-Mar-99(02:36)
n-Pentacosane(surrogate)	89 % Rec	NA	EPA-8015B	SLB	23-Mar-99(02:36)



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## REPORT OF ANALYSIS

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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: MW-1 TOTAL; GRAB collected on 17-Mar-99(14:35)

Laboratory Sample Number: 990005597

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Gasoline Range Organics(C6-C10)	<100 ppb	100 ppb	EPA-8015B	NJ	19-Mar-99(09:52)
Trifluorotoluene(surrogate)	105 % Rec	NA	EPA-8015B	NJ	19-Mar-99(09:52)
Mercury(Hg)	<0.0002 ppm	0.0002 ppm	EPA-7470A	CSG	26-Mar-99(15:22)
Antimony(Sb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(23:34)
Arsenic(As)	<0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(22:00)
Beryllium(Be)	<0.0025 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(22:00)
Cadmium(Cd)	<0.0005 ppm	0.0005 ppm	EPA-6020	CJK	30-Mar-99(22:00)
Chromium(Cr)	0.0050 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(22:00)
Copper(Cu)	0.008 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(22:00)
Lead(Pb)	0.006 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(22:00)
Nickel(Ni)	0.013 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(22:00)
Selenium(Se)	<0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(22:00)
Silver(Ag)	<0.0010 ppm	0.0010 ppm	EPA-6020	CJK	30-Mar-99(22:00)
Thallium(Tl)	<0.0020 ppm	0.0020 ppm	EPA-6020	CJK	30-Mar-99(22:00)
Zinc(Zn)	1.0 ppm	0.020 ppm	EPA-6020	CJK	30-Mar-99(22:00)



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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: MW-3 TOTAL; GRAB collected on 17-Mar-99(12:10)

Laboratory Sample Number: 990005598

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
2,4,5-Trichlorophenol	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
2,4,6-Trichlorophenol	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
2,4-Dichlorophenol	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
2,4-Dimethylphenol	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
2,4-Dinitrophenol	<50 ppb	50 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
2-Chlorophenol	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
2-Methylphenol	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
2-Nitrophenol	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
4,6-Dinitro-2-Methyl Phenol	<50 ppb	50 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
4-Chloro-3-Methyl Phenol	<20 ppb	20 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
4-Methylphenol	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
4-Nitrophenol	<50 ppb	50 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Pentachlorophenol	<50 ppb	50 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Phenol	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
2-Fluorophenol(surrogate)	21 % Rec	NA	EPA-8270C	DJP	26-Mar-99(21:28)
Phenol-d5(surrogate)	12 % Rec	NA	EPA-8270C	DJP	26-Mar-99(21:28)
2,4,6-Tribromophenol(surrogate)	29 % Rec	NA	EPA-8270C	DJP	26-Mar-99(21:28)

1,2,4-Trichlorobenzene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
1,2-Dichlorobenzene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
1,3-Dichlorobenzene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
1,4-Dichlorobenzene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
2,4-Dinitrotoluene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
2,6-Dinitrotoluene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
2-Chloronaphthalene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
2-Methylnaphthalene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
2-Nitroaniline	<50 ppb	50 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
3,3'-Dichlorobenzidine	<20 ppb	20 ppb	EPA-8270C	DJP	26-Mar-99(21:28)



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## REPORT OF ANALYSIS

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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: MW-3 TOTAL; GRAB collected on 17-Mar-99(12:10)

Laboratory Sample Number: 990005598

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
3-Nitroaniline	<50 ppb	50 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
4-Bromophenyl Phenyl Ether	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
4-Chloroaniline	<20 ppb	20 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
4-Chlorophenyl Phenyl Ether	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
4-Nitroaniline	<50 ppb	50 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Acenaphthene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Acenaphthylene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Anthracene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Benzo(a)Anthracene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Benzo(a)Pyrene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Benzo(b)Fluoranthene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Benzo(g,h,i)Perylene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Benzo(k)Fluoranthene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Bis(2-Chloroethoxy)Methane	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Bis(2-Chloroethyl)Ether	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Bis(2-Chloroisopropyl)Ether	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Bis(2-Ethylhexyl)Phthalate	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Butyl Benzyl Phthalate	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Carbazole	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Chrysene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Di-n-Butyl Phthalate	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Di-n-Octyl Phthalate	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Dibenz(a,h)Anthracene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Dibenzofuran	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Diethyl Phthalate	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Dimethyl Phthalate	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Fluoranthene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Fluorene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Hexachlorobenzene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Hexachlorobutadiene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Hexachlorocyclopentadiene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)



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## REPORT OF ANALYSIS

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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: MW-3 TOTAL; GRAB collected on 17-Mar-99(12:10)

Laboratory Sample Number: 990005598

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Hexachloroethane	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Indeno(1,2,3-cd)Pyrene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Isophorone	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
N-Nitrosodi-N-propylamine	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
N-Nitrosodiphenylamine	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Naphthalene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Nitrobenzene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Phenanthrene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Pyrene	<10 ppb	10 ppb	EPA-8270C	DJP	26-Mar-99(21:28)
Nitrobenzene-d5(surrogate)	105 % Rec	NA	EPA-8270C	DJP	26-Mar-99(21:28)
2-Fluorobiphenyl(surrogate)	93 % Rec	NA	EPA-8270C	DJP	26-Mar-99(21:28)
Terphenyl-d14(surrogate)	113 % Rec	NA	EPA-8270C	DJP	26-Mar-99(21:28)

Chloromethane	<25 ppb	25 ppb	EPA-8260B	THP	20-Mar-99(16:20)
Vinyl Chloride	<25 ppb	25 ppb	EPA-8260B	THP	20-Mar-99(16:20)
Bromomethane	<25 ppb	25 ppb	EPA-8260B	THP	20-Mar-99(16:20)
Chloroethane	<25 ppb	25 ppb	EPA-8260B	THP	20-Mar-99(16:20)
Acetone	<250 ppb	250 ppb	EPA-8260B	THP	20-Mar-99(16:20)
1,1-Dichloroethene	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
Carbon Disulfide	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
Methylene Chloride	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
trans-1,2-Dichloroethene	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
1,1-Dichloroethane	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
2-Butanone	<250 ppb	250 ppb	EPA-8260B	THP	20-Mar-99(16:20)
cis-1,2-Dichloroethene	91 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
Chloroform	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
1,1,1-Trichloroethane	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
Carbon Tetrachloride	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)



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## REPORT OF ANALYSIS

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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: MW-3 TOTAL; GRAB collected on 17-Mar-99(12:10)

Laboratory Sample Number: 990005598

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Benzene	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
1,2-Dichloroethane	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
Trichloroethene	380 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
1,2-Dichloropropane	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
Bromodichloromethane	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
4-Methyl-2-Pentanone	<120 ppb	120 ppb	EPA-8260B	THP	20-Mar-99(16:20)
cis-1,3-Dichloropropene	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
trans-1,3-Dichloropropene	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
1,1,2-Trichloroethane	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
2-Hexanone	<120 ppb	120 ppb	EPA-8260B	THP	20-Mar-99(16:20)
Toluene	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
Tetrachloroethene	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
Dibromochloromethane	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
Chlorobenzene	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
Ethylbenzene	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
Total Xylenes	<25 ppb	25 ppb	EPA-8260B	THP	20-Mar-99(16:20)
Styrene	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
Bromoform	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
1,1,2,2-Tetrachloroethane	<12 ppb	12 ppb	EPA-8260B	THP	20-Mar-99(16:20)
Dibromofluoromethane(surrogate)	105 % Rec	NA	EPA-8260B	THP	20-Mar-99(16:20)
1,2-Dichloroethane-d4(surrogate)	98 % Rec	NA	EPA-8260B	THP	20-Mar-99(16:20)
Toluene-d8(surrogate)	101 % Rec	NA	EPA-8260B	THP	20-Mar-99(16:20)
Bromofluorobenzene(surrogate)	113 % Rec	NA	EPA-8260B	THP	20-Mar-99(16:20)
Diesel Range Organics(C10-C28)	430 ppb	100 ppb	EPA-8015B	SLB	23-Mar-99(03:18)
n-Pentacosane(surrogate)	87 % Rec	NA	EPA-8015B	SLB	23-Mar-99(03:18)



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## REPORT OF ANALYSIS

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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: MW-3 TOTAL; GRAB collected on 17-Mar-99(12:10)

Laboratory Sample Number: 990005598

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Gasoline Range Organics(C6-C10)	170 ppb	100 ppb	EPA-8015B	NJ	19-Mar-99(10:22)
Trifluorotoluene(surrogate)	105 % Rec	NA	EPA-8015B	NJ	19-Mar-99(10:22)
Mercury(Hg)	<0.0002 ppm	0.0002 ppm	EPA-7470A	CSG	26-Mar-99(15:24)
Antimony(Sb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(23:38)
Arsenic(As)	0.008 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(22:04)
Beryllium(Be)	<0.0025 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(22:04)
Cadmium(Cd)	<0.0005 ppm	0.0005 ppm	EPA-6020	CJK	30-Mar-99(22:04)
Chromium(Cr)	0.0057 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(22:04)
Copper(Cu)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(22:04)
Lead(Pb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(22:04)
Nickel(Ni)	0.009 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(22:04)
Selenium(Se)	<0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(22:04)
Silver(Ag)	<0.0010 ppm	0.0010 ppm	EPA-6020	CJK	30-Mar-99(22:04)
Thallium(Tl)	<0.0020 ppm	0.0020 ppm	EPA-6020	CJK	30-Mar-99(22:04)
Zinc(Zn)	0.11 ppm	0.020 ppm	EPA-6020	CJK	30-Mar-99(22:04)



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## REPORT OF ANALYSIS

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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: PZ-2 TOTAL; GRAB collected on 17-Mar-99(11:10)

Laboratory Sample Number: 990005599

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
2,4,5-Trichlorophenol	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
2,4,6-Trichlorophenol	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
2,4-Dichlorophenol	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
2,4-Dimethylphenol	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
2,4-Dinitrophenol	<55 ppb	55 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
2-Chlorophenol	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
2-Methylphenol	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
2-Nitrophenol	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
4,6-Dinitro-2-Methyl Phenol	<55 ppb	55 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
4-Chloro-3-Methyl Phenol	<22 ppb	22 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
4-Methylphenol	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
4-Nitrophenol	<55 ppb	55 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Pentachlorophenol	<55 ppb	55 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Phenol	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
2-Fluorophenol(surrogate)	23 % Rec	NA	EPA-8270C	DJP	26-Mar-99(22:08)
Phenol-d5(surrogate)	14 % Rec	NA	EPA-8270C	DJP	26-Mar-99(22:08)
2,4,6-Tribromophenol(surrogate)	15 % Rec	NA	EPA-8270C	DJP	26-Mar-99(22:08)

1,2,4-Trichlorobenzene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
1,2-Dichlorobenzene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
1,3-Dichlorobenzene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
1,4-Dichlorobenzene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
2,4-Dinitrotoluene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
2,6-Dinitrotoluene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
2-Chloronaphthalene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
2-Methylnaphthalene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
2-Nitroaniline	<55 ppb	55 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
3,3'-Dichlorobenzidine	<22 ppb	22 ppb	EPA-8270C	DJP	26-Mar-99(22:08)



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## REPORT OF ANALYSIS

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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: PZ-2 TOTAL; GRAB collected on 17-Mar-99(11:10)

Laboratory Sample Number: 990005599

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
3-Nitroaniline	<55 ppb	55 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
4-Bromophenyl Phenyl Ether	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
4-Chloroaniline	<22 ppb	22 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
4-Chlorophenyl Phenyl Ether	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
4-Nitroaniline	<55 ppb	55 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Acenaphthene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Acenaphthylene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Anthracene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Benzo(a)Anthracene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Benzo(a)Pyrene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Benzo(b)Fluoranthene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Benzo(g,h,i)Perylene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Benzo(k)Fluoranthene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Bis(2-Chloroethoxy)Methane	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Bis(2-Chloroethyl)Ether	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Bis(2-Chloroisopropyl)Ether	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Bis(2-Ethylhexyl)Phthalate	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Butyl Benzyl Phthalate	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Carbazole	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Chrysene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Di-n-Butyl Phthalate	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Di-n-Octyl Phthalate	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Dibenz(a,h)Anthracene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Dibenzofuran	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Diethyl Phthalate	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Dimethyl Phthalate	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Fluoranthene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Fluorene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Hexachlorobenzene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Hexachlorobutadiene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Hexachlorocyclopentadiene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)



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## REPORT OF ANALYSIS

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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: PZ-2 TOTAL; GRAB collected on 17-Mar-99(11:10)

Laboratory Sample Number: 990005599

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Hexachloroethane	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Indeno(1,2,3-cd)Pyrene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Isophorone	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
N-Nitrosodi-N-propylamine	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
N-Nitrosodiphenylamine	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Naphthalene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Nitrobenzene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Phenanthrene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Pyrene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:08)
Nitrobenzene-d5(surrogate)	56 % Rec	NA	EPA-8270C	DJP	26-Mar-99(22:08)
2-Fluorobiphenyl(surrogate)	49 % Rec	NA	EPA-8270C	DJP	26-Mar-99(22:08)
Terphenyl-d14(surrogate)	51 % Rec	NA	EPA-8270C	DJP	26-Mar-99(22:08)
Chloromethane	<10 ppb	10 ppb	EPA-8260B	THP	21-Mar-99(14:55)
Vinyl Chloride	<10 ppb	10 ppb	EPA-8260B	THP	21-Mar-99(14:55)
Bromomethane	<10 ppb	10 ppb	EPA-8260B	THP	21-Mar-99(14:55)
Chloroethane	<10 ppb	10 ppb	EPA-8260B	THP	21-Mar-99(14:55)
Acetone	<100 ppb	100 ppb	EPA-8260B	THP	21-Mar-99(14:55)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
Carbon Disulfide	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
Methylene Chloride	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
2-Butanone	<100 ppb	100 ppb	EPA-8260B	THP	21-Mar-99(14:55)
cis-1,2-Dichloroethene	9 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
Chloroform	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)



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## REPORT OF ANALYSIS

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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: PZ-2 TOTAL; GRAB collected on 17-Mar-99(11:10)

Laboratory Sample Number: 990005599

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Benzene	14 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
Trichloroethene	10 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
Bromodichloromethane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
4-Methyl-2-Pentanone	<50 ppb	50 ppb	EPA-8260B	THP	21-Mar-99(14:55)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
2-Hexanone	<50 ppb	50 ppb	EPA-8260B	THP	21-Mar-99(14:55)
Toluene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
Tetrachloroethene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
Dibromochloromethane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
Chlorobenzene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
Ethylbenzene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
Total Xylenes	<10 ppb	10 ppb	EPA-8260B	THP	21-Mar-99(14:55)
Styrene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
Bromoform	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(14:55)
Dibromofluoromethane(surrogate)	110 % Rec	NA	EPA-8260B	THP	21-Mar-99(14:55)
1,2-Dichloroethane-d4(surrogate)	97 % Rec	NA	EPA-8260B	THP	21-Mar-99(14:55)
Toluene-d8(surrogate)	99 % Rec	NA	EPA-8260B	THP	21-Mar-99(14:55)
Bromofluorobenzene(surrogate)	111 % Rec	NA	EPA-8260B	THP	21-Mar-99(14:55)
Diesel Range Organics(C10-C28)	2500 ppb	110 ppb	EPA-8015B	SLB	23-Mar-99(04:00)
n-Pentacosane(surrogate)	80 % Rec	NA	EPA-8015B	SLB	23-Mar-99(04:00)



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## REPORT OF ANALYSIS

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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: PZ-2 TOTAL; GRAB collected on 17-Mar-99(11:10)

Laboratory Sample Number: 990005599

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Gasoline Range Organics(C6-C10)	<100 ppb	100 ppb	EPA-8015B	NJ	19-Mar-99(10:53)
Trifluorotoluene(surrogate)	103 % Rec	NA	EPA-8015B	NJ	19-Mar-99(10:53)
Mercury(Hg)	<0.0002 ppm	0.0002 ppm	EPA-7470A	CSG	26-Mar-99(15:26)
Antimony(Sb)	0.012 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(23:42)
Arsenic(As)	0.018 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(22:08)
Beryllium(Be)	<0.0025 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(22:08)
Cadmium(Cd)	0.0052 ppm	0.0005 ppm	EPA-6020	CJK	30-Mar-99(22:08)
Chromium(Cr)	0.52 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(22:08)
Copper(Cu)	0.090 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(22:08)
Lead(Pb)	0.047 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(22:08)
Nickel(Ni)	0.018 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(22:08)
Selenium(Se)	<0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(22:08)
Silver(Ag)	0.001 ppm	0.0010 ppm	EPA-6020	CJK	30-Mar-99(22:08)
Thallium(Tl)	<0.0020 ppm	0.0020 ppm	EPA-6020	CJK	30-Mar-99(22:08)
Zinc(Zn)	0.41 ppm	0.020 ppm	EPA-6020	CJK	30-Mar-99(22:08)



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## REPORT OF ANALYSIS

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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: MW-2 TOTAL; GRAB collected on 17-Mar-99(16:05)

Laboratory Sample Number: 990005600

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
2,4,5-Trichlorophenol	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
2,4,6-Trichlorophenol	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
2,4-Dichlorophenol	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
2,4-Dimethylphenol	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
2,4-Dinitrophenol	<55 ppb	55 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
2-Chlorophenol	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
2-Methylphenol	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
2-Nitrophenol	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
4,6-Dinitro-2-Methyl Phenol	<55 ppb	55 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
4-Chloro-3-Methyl Phenol	<22 ppb	22 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
4-Methylphenol	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
4-Nitrophenol	<55 ppb	55 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Pentachlorophenol	<55 ppb	55 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Phenol	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
2-Fluorophenol(surrogate)	23 % Rec	NA	EPA-8270C	DJP	26-Mar-99(22:48)
Phenol-d5(surrogate)	12 % Rec	NA	EPA-8270C	DJP	26-Mar-99(22:48)
2,4,6-Tribromophenol(surrogate)	18 % Rec	NA	EPA-8270C	DJP	26-Mar-99(22:48)

1,2,4-Trichlorobenzene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
1,2-Dichlorobenzene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
1,3-Dichlorobenzene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
1,4-Dichlorobenzene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
2,4-Dinitrotoluene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
2,6-Dinitrotoluene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
2-Chloronaphthalene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
2-Methylnaphthalene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
2-Nitroaniline	<55 ppb	55 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
3,3'-Dichlorobenzidine	<22 ppb	22 ppb	EPA-8270C	DJP	26-Mar-99(22:48)



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## REPORT OF ANALYSIS

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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: MW-2 TOTAL; GRAB collected on 17-Mar-99(16:05)

Laboratory Sample Number: 990005600

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
3-Nitroaniline	<55 ppb	55 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
4-Bromophenyl Phenyl Ether	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
4-Chloroaniline	<22 ppb	22 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
4-Chlorophenyl Phenyl Ether	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
4-Nitroaniline	<55 ppb	55 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Acenaphthene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Acenaphthylene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Anthracene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Benzo(a)Anthracene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Benzo(a)Pyrene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Benzo(b)Fluoranthene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Benzo(g,h,i)Perylene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Benzo(k)Fluoranthene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Bis(2-Chloroethoxy)Methane	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Bis(2-Chloroethyl)Ether	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Bis(2-Chloroisopropyl)Ether	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Bis(2-Ethylhexyl)Phthalate	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Butyl Benzyl Phthalate	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Carbazole	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Chrysene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Di-n-Butyl Phthalate	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Di-n-Octyl Phthalate	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Dibenz(a,h)Anthracene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Dibenzofuran	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Diethyl Phthalate	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Dimethyl Phthalate	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Fluoranthene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Fluorene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Hexachlorobenzene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Hexachlorobutadiene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Hexachlorocyclopentadiene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)



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## REPORT OF ANALYSIS

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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: MW-2 TOTAL; GRAB collected on 17-Mar-99(16:05)

Laboratory Sample Number: 990005600

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Hexachloroethane	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Indeno(1,2,3-cd)Pyrene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Isophorone	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
N-Nitrosodi-N-propylamine	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
N-Nitrosodiphenylamine	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Naphthalene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Nitrobenzene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Phenanthrene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Pyrene	<11 ppb	11 ppb	EPA-8270C	DJP	26-Mar-99(22:48)
Nitrobenzene-d5(surrogate)	105 % Rec	NA	EPA-8270C	DJP	26-Mar-99(22:48)
2-Fluorobiphenyl(surrogate)	89 % Rec	NA	EPA-8270C	DJP	26-Mar-99(22:48)
Terphenyl-d14(surrogate)	99 % Rec	NA	EPA-8270C	DJP	26-Mar-99(22:48)

Chloromethane	<10 ppb	10 ppb	EPA-8260B	THP	20-Mar-99(00:04)
Vinyl Chloride	<10 ppb	10 ppb	EPA-8260B	THP	20-Mar-99(00:04)
Bromomethane	<10 ppb	10 ppb	EPA-8260B	THP	20-Mar-99(00:04)
Chloroethane	<10 ppb	10 ppb	EPA-8260B	THP	20-Mar-99(00:04)
Acetone	<100 ppb	100 ppb	EPA-8260B	THP	20-Mar-99(00:04)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
Carbon Disulfide	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
Methylene Chloride	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
2-Butanone	<100 ppb	100 ppb	EPA-8260B	THP	20-Mar-99(00:04)
cis-1,2-Dichloroethene	8 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
Chloroform	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)



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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: MW-2 TOTAL; GRAB collected on 17-Mar-99(16:05)

Laboratory Sample Number: 990005600

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Benzene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
Trichloroethene	16 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
Bromodichloromethane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
4-Methyl-2-Pentanone	<50 ppb	50 ppb	EPA-8260B	THP	20-Mar-99(00:04)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
2-Hexanone	<50 ppb	50 ppb	EPA-8260B	THP	20-Mar-99(00:04)
Toluene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
Tetrachloroethene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
Dibromochloromethane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
Chlorobenzene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
Ethylbenzene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
Total Xylenes	<10 ppb	10 ppb	EPA-8260B	THP	20-Mar-99(00:04)
Styrene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
Bromoform	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:04)
Dibromofluoromethane(surrogate)	97 % Rec	NA	EPA-8260B	THP	20-Mar-99(00:04)
1,2-Dichloroethane-d4(surrogate)	97 % Rec	NA	EPA-8260B	THP	20-Mar-99(00:04)
Toluene-d8(surrogate)	101 % Rec	NA	EPA-8260B	THP	20-Mar-99(00:04)
Bromofluorobenzene(surrogate)	108 % Rec	NA	EPA-8260B	THP	20-Mar-99(00:04)

Diesel Range Organics(C10-C28)	340 ppb	100 ppb	EPA-8015B	SLB	23-Mar-99(04:42)
n-Pentacosane(surrogate)	80 % Rec	NA	EPA-8015B	SLB	23-Mar-99(04:42)



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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: MW-2 TOTAL; GRAB collected on 17-Mar-99(16:05)

Laboratory Sample Number: 990005600

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Gasoline Range Organics(C6-C10)	<100 ppb	100 ppb	EPA-8015B	NJ	19-Mar-99(11:24)
Trifluorotoluene(surrogate)	100 % Rec	NA	EPA-8015B	NJ	19-Mar-99(11:24)
Mercury(Hg)	<0.0002 ppm	0.0002 ppm	EPA-7470A	CSG	26-Mar-99(15:28)
Antimony(Sb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(23:46)
Arsenic(As)	<0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(22:12)
Beryllium(Be)	0.008 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(22:12)
Cadmium(Cd)	0.016 ppm	0.0005 ppm	EPA-6020	CJK	30-Mar-99(22:12)
Chromium(Cr)	<0.0025 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(22:12)
Copper(Cu)	0.015 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(22:12)
Lead(Pb)	<0.0050 ppm	0.0050 ppm	EPA-6020	GJK*	30-Mar-99(22:12)
Nickel(Ni)	0.12 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(22:12)
Selenium(Se)	<0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(22:12)
Silver(Ag)	<0.0010 ppm	0.0010 ppm	EPA-6020	CJK	30-Mar-99(22:12)
Thallium(Tl)	<0.0020 ppm	0.0020 ppm	EPA-6020	CJK	30-Mar-99(22:12)
Zinc(Zn)	0.55 ppm	0.020 ppm	EPA-6020	CJK	30-Mar-99(22:12)



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## REPORT OF ANALYSIS

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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: MW-4 TOTAL; GRAB collected on 17-Mar-99(16:45)

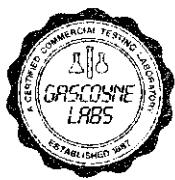
Laboratory Sample Number: 990005601

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Chloromethane	<10 ppb	10 ppb	EPA-8260B	THP	20-Mar-99(00:36)
Vinyl Chloride	34 ppb	10 ppb	EPA-8260B	THP	20-Mar-99(00:36)
Bromomethane	<10 ppb	10 ppb	EPA-8260B	THP	20-Mar-99(00:36)
Chloroethane	<10 ppb	10 ppb	EPA-8260B	THP	20-Mar-99(00:36)
Acetone	<100 ppb	100 ppb	EPA-8260B	THP	20-Mar-99(00:36)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
Carbon Disulfide	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
Methylene Chloride	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
2-Butanone	<100 ppb	100 ppb	EPA-8260B	THP	20-Mar-99(00:36)
cis-1,2-Dichloroethene	8 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
Chloroform	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
Benzene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
Trichloroethene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
Bromodichloromethane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
4-Methyl-2-Pentanone	<50 ppb	50 ppb	EPA-8260B	THP	20-Mar-99(00:36)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
2-Hexanone	<50 ppb	50 ppb	EPA-8260B	THP	20-Mar-99(00:36)
Toluene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
Tetrachloroethene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
Dibromochloromethane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
Chlorobenzene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
Ethylbenzene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
Total Xylenes	<10 ppb	10 ppb	EPA-8260B	THP	20-Mar-99(00:36)



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## REPORT OF ANALYSIS

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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: MW-4 TOTAL; GRAB collected on 17-Mar-99(16:45)

Laboratory Sample Number: 990005601

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Styrene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
Bromoform	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(00:36)
Dibromofluoromethane(surrogate)	97 % Rec	NA	EPA-8260B	THP	20-Mar-99(00:36)
1,2-Dichloroethane-d4(surrogate)	101 % Rec	NA	EPA-8260B	THP	20-Mar-99(00:36)
Toluene-d8(surrogate)	102 % Rec	NA	EPA-8260B	THP	20-Mar-99(00:36)
Bromofluorobenzene(surrogate)	108 % Rec	NA	EPA-8260B	THP	20-Mar-99(00:36)



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## REPORT OF ANALYSIS

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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: TRIP BLANK collected on 11-Mar-99(06:00)

Laboratory Sample Number: 990005602

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Chloromethane	<10 ppb	10 ppb	EPA-8260B	THP	20-Mar-99(01:09)
Vinyl Chloride	<10 ppb	10 ppb	EPA-8260B	THP	20-Mar-99(01:09)
Bromomethane	<10 ppb	10 ppb	EPA-8260B	THP	20-Mar-99(01:09)
Chloroethane	<10 ppb	10 ppb	EPA-8260B	THP	20-Mar-99(01:09)
Acetone	<100 ppb	100 ppb	EPA-8260B	THP	20-Mar-99(01:09)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
Carbon Disulfide	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
Methylene Chloride	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
2-Butanone	<100 ppb	100 ppb	EPA-8260B	THP	20-Mar-99(01:09)
cis-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
Chloroform	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
Benzene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
Trichloroethene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
Bromodichloromethane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
4-Methyl-2-Pentanone	<50 ppb	50 ppb	EPA-8260B	THP	20-Mar-99(01:09)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
2-Hexanone	<50 ppb	50 ppb	EPA-8260B	THP	20-Mar-99(01:09)
Toluene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
Tetrachloroethene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
Dibromochloromethane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
Chlorobenzene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
Ethylbenzene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
Total Xylenes	<10 ppb	10 ppb	EPA-8260B	THP	20-Mar-99(01:09)

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## REPORT OF ANALYSIS

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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: TRIP BLANK collected on 11-Mar-99(06:00)

Laboratory Sample Number: 990005602

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Styrene	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
Bromoform	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-8260B	THP	20-Mar-99(01:09)
Dibromofluoromethane(surrogate)	99 % Rec	NA	EPA-8260B	THP	20-Mar-99(01:09)
1,2-Dichloroethane-d4(surrogate)	99 % Rec	NA	EPA-8260B	THP	20-Mar-99(01:09)
Toluene-d8(surrogate)	101 % Rec	NA	EPA-8260B	THP	20-Mar-99(01:09)
Bromofluorobenzene(surrogate)	109 % Rec	NA	EPA-8260B	THP	20-Mar-99(01:09)



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## REPORT OF ANALYSIS

Page 27 of 30

Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: MW-1 DISS; GRAB collected on 17-Mar-99(14:35)

Laboratory Sample Number: 990005614

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Mercury(Hg)	<0.0002 ppm	0.0002 ppm	EPA-7470A	CSG	26-Mar-99(15:35)
Antimony(Sb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:39)
Arsenic(As)	<0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(19:39)
Beryllium(Be)	<0.0025 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(19:39)
Cadmium(Cd)	<0.0005 ppm	0.0005 ppm	EPA-6020	CJK	30-Mar-99(19:39)
Chromium(Cr)	<0.0025 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(19:39)
Copper(Cu)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:39)
Lead(Pb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:39)
Nickel(Ni)	0.010 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:39)
Selenium(Se)	<0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(19:39)
Silver(Ag)	<0.0010 ppm	0.0010 ppm	EPA-6020	CJK	30-Mar-99(19:39)
Thallium(Tl)	<0.0020 ppm	0.0020 ppm	EPA-6020	CJK	30-Mar-99(19:39)
Zinc(Zn)	0.17 ppm	0.020 ppm	EPA-6020	CJK	30-Mar-99(19:39)



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## REPORT OF ANALYSIS

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Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: MW-3 DISS; GRAB collected on 17-Mar-99(12:10)

Laboratory Sample Number: 990005615

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Mercury(Hg)	<0.0002 ppm	0.0002 ppm	EPA-7470A	CSG	26-Mar-99(15:41)
Antimony(Sb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:43)
Arsenic(As)	<0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(19:43)
Beryllium(Be)	<0.0025 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(19:43)
Cadmium(Cd)	<0.0005 ppm	0.0005 ppm	EPA-6020	CJK	30-Mar-99(19:43)
Chromium(Cr)	<0.0025 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(19:43)
Copper(Cu)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:43)
Lead(Pb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:43)
Nickel(Ni)	0.007 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:43)
Selenium(Se)	<0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(19:43)
Silver(Ag)	<0.0010 ppm	0.0010 ppm	EPA-6020	CJK	30-Mar-99(19:43)
Thallium(Tl)	<0.0020 ppm	0.0020 ppm	EPA-6020	CJK	30-Mar-99(19:43)
Zinc(Zn)	0.09 ppm	0.020 ppm	EPA-6020	CJK	30-Mar-99(19:43)



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## REPORT OF ANALYSIS

Page 29 of 30

Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: PZ-2 DISS; GRAB collected on 17-Mar-99(11:10)

Laboratory Sample Number: 990005616

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Mercury(Hg)	<0.0002 ppm	0.0002 ppm	EPA-7470A	CSG	26-Mar-99(15:43)
Antimony(Sb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:47)
Arsenic(As)	0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(19:47)
Beryllium(Be)	<0.0025 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(19:47)
Cadmium(Cd)	<0.0005 ppm	0.0005 ppm	EPA-6020	CJK	30-Mar-99(19:47)
Chromium(Cr)	<0.0025 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(19:47)
Copper(Cu)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:47)
Lead(Pb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:47)
Nickel(Ni)	0.006 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:47)
Selenium(Se)	<0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(19:47)
Silver(Ag)	<0.0010 ppm	0.0010 ppm	EPA-6020	CJK	30-Mar-99(19:47)
Thallium(Tl)	<0.0020 ppm	0.0020 ppm	EPA-6020	CJK	30-Mar-99(19:47)
Zinc(Zn)	<0.020 ppm	0.020 ppm	EPA-6020	CJK	30-Mar-99(19:47)



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## REPORT OF ANALYSIS

Page 30 of 30

Report no: 9901470

Client: Tetra Tech

Sample Id: Submitted samples: MW-2 DISS; GRAB collected on 17-Mar-99(16:05)

Laboratory Sample Number: 990005617

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Mercury(Hg)	<0.0002 ppm	0.0002 ppm	EPA-7470A	CSG	26-Mar-99(15:46)
Antimony(Sb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:51)
Arsenic(As)	<0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(19:51)
Beryllium(Be)	0.0081 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(19:51)
Cadmium(Cd)	0.017 ppm	0.0005 ppm	EPA-6020	CJK	30-Mar-99(19:51)
Chromium(Cr)	<0.0025 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(19:51)
Copper(Cu)	0.013 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:51)
Lead(Pb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:51)
Nickel(Ni)	0.11 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:51)
Selenium(Se)	<0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(19:51)
Silver(Ag)	<0.0010 ppm	0.0010 ppm	EPA-6020	CJK	30-Mar-99(19:51)
Thallium(Tl)	<0.0020 ppm	0.0020 ppm	EPA-6020	CJK	30-Mar-99(19:51)
Zinc(Zn)	0.55 ppm	0.020 ppm	EPA-6020	CJK	30-Mar-99(19:51)



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1899

## **SAMPLE SUBMITTAL — CHAIN-OF-CUSTODY**

Page 2 of 4

Sample Type Codes:							
Air - Airbag	AB	Sludge	SL	Water	Drinking	WD	
Air Filter	AF	Soil	SO	Groundwater	Groundwater	WG	
Sorbent Tubes	AT	Trip Blank	TB	Surface	Surface	WS	
Field Blank	FB	Waste - Liquid	LW	Wastewater	Wastewater	WW	
Oil(s)	OL	Solid	SW	Wipes	Wipes	WP	
Paint Chips	PC						

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LAUREN ONLY	
REPORT #	49974476
Temp. Slik	
Cooler #	

## Test Results to:

Company: Terra Tech  
Contact: Scott Irwesdale  
Phone No.: 703 931-9301  
FAX No.: 703 931-9222

### Sample Site/Project

Sampler/MDOE #

### Gascoyne Quote #

**Client's P.O. #**

RESULTS NEEDED BY:  ROUTINE (10-15 DAYS)  PRIORITY\* BY:

### Total Number of Containers

Relinquished By (signature):	Printed Name/Affiliation:	Date: 3/17/17 Time: 17:44	Received By (signature):	Printed Name/Affiliation:	Date: 3/17/17 Time: 17:44
Relinquished By (signature):	Printed Name/Affiliation:	Date: 17:44	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:

\*May Require Surcharge

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PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

Revised 4/97

July 1999

## **SAMPLE SUBMITTAL — CHAIN-OF-CUSTODY**

Page 3 of 4

Sample Type Codes:							
Air - Airbag	AB	Sludge	SL	Water	- Drinking	WD	
- Air Filter	AF	Soil	SO	- Groundwater	WG		
- Sorbent Tubes	AT	Trip Blank	TB	- Surface	WS		
Field Blank	FB	Waste- Liquid	LW	Wastewater	WW		
Oils)	OL	Solid	SW	Wipes	WP		
Paint Chips	PC						

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LABORATORY	
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Temp. Pk.	
Copies #	

## Test Results to:

Company: Jerry Tech  
Contact: Scott Truesdale  
Phone No. 703 931-9301  
FAX No. 703 931-9222

Sample Site/Project      Martin State  
Sampler/MDOE #      Dan Eiserman  
Gascoyne Quote #  
Client's P.O. #

RESULTS NEEDED BY:  ROUTINE (10-15 DAYS)  PRIORITY\* BY

### Total Number of Containers

1

Relinquished By (signature): <i>Lori Eismann</i>	Printed Name/Affiliation: <i>Lori Eismann/Tetra Tech</i>	Date: <u>3/17/99</u> Time: <u>1100</u>	Received By (signature): <i>Dina Vlachopoulou</i>	Printed Name/Affiliation: <i>Dina Vlachopoulou</i>	Date: <u>3/17/99</u> Time: <u>1100</u>
Relinquished By (signature):	Printed Name/Affiliation:	Date: <u>7/4/99</u> Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:

**\*May Require Surcharge**

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Revised 4/97

## **SAMPLE SUBMITTAL — CHAIN-OF-CUSTODY**

Page 4 of 4

Sample Type Codes:							
Air - Airbag	AB	Sludge	SL	Water	Drinking	WD	
Air Filter	AF	Soil	SO		Groundwater	WG	
Sorbent Tubes	AT	Trip Blank	TB		Surface	WS	
Field Blank	FB	Waste-Liquid	LW		Wastewater	WW	
Oil(s)	OL	Solid	SW		Wipes	WP	
Paint Chips	PC						

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LA BUSE ONLY	
Report #: 7-11477	
Tempo Blk	
Code#: #	

Test Results to: letra Tech  
Company: Scott Truesdale  
Contact: (703) 931-9301  
Phone No. (703) 931-9222  
FAX No.

Sample Site/Project Wetland Site A  
Sampler/MDOE # Dan Eisenmann  
Gascoyne Quote # \_\_\_\_\_  
Client's P.O. # \_\_\_\_\_

RESULTS NEEDED BY:  ROUTINE (10-15 DAYS)  PRIORITY\* BY

LIMS NO. LAB USE ONLY	SAMPLE TYPE USE CODES ABOVE if applicable	SAMPLE IDENTIFICATION (Keep brief and assign sample numbers if possible)	DATE COLLECTED	TIME COLLECTED	C O M P O S I T E	G R A B	N P D E S	NUMBER OF CONTAINERS	TESTED FOR						COMMENTS (i.e. Data Package, methods, detection limits, etc.)
									Resolved Priority List	SVOC	TPH-DRO	VOC	TPH-Jas		
5600	WG	MW-2	3/17/99	16:05	/	/	/	1	✓						EPA Meth 6020
5600	WG	MW-2	3/17/99	16:05	/	/	/	1		✓					EPA Meth 6020
	WG	MW-2	3/17/99	16:05	/	/	/	1			✓				EPA Meth 8270C
	WG	MW-2	3/17/99	16:05	/	/	/	1				✓			EPA Meth 8015 mod
	WG	MW-2	3/17/99	16:05	/	/	/	2				✓			EPA Meth 8260B
	WG	MW-2	3/17/99	16:05	/	/	/	2				✓			EPA Meth 8015 mod
5600	WG	MW-4	3/17/99	16:45	/	/	/	2			✓				EPA Meth 8260B
5600		Trip Blank	3/11/99	0600				2			✓				

### Total Number of Containers

Relinquished By (signature): <i>James Eissmann</i>	Printed Name/Affiliation: <i>Jim Eissmann / Tetra Tech</i>	Date: <u>3/17/17</u> Time: <u>15:44</u>	Received By (signature): <i>Mike Chappell</i>	Printed Name/Affiliation: <i>Mike Chappell OBT</i>	Date: <u>3/17/17</u> Time: <u>17:44</u>
Relinquished By (signature):	Printed Name/Affiliation:	Date:	Received By (signature):	Printed Name/Affiliation:	Date:
		Time:			Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date:	Received By (signature):	Printed Name/Affiliation:	Date:
		Time:			Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date:	Received By (signature):	Printed Name/Affiliation:	Date:
		Time:			Time:

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## REPORT OF ANALYSIS

Tetra Tech  
10670 White Rock Road  
Suite 100  
Rancho Cordeva, CA 95670  
Attn: Nisha Bansal

Page 1 of 22  
Report No: 9901498

This report of analysis contains test results for the following samples submitted to Gascoyne Laboratories, Inc. for project MARTIN AIRPORT:

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by
MW-5 DISSOLVED; grab, 18-Mar-1999(1130)	Groundwater	990005673	18-Mar-1999
TRIP BLANK; grab, 17-Mar-1999(1757)	Water	990005674	18-Mar-1999
MW-6 DISSOLVED; grab, 18-Mar-1999(1254)	Groundwater	990005675	18-Mar-1999
MW-7 DISSOLVED; grab, 18-Mar-1999(1130)	Groundwater	990005676	18-Mar-1999
MW-5 TOTAL; grab, 18-Mar-1999(1130)	Ground Water	990005677	18-Mar-1999
MW-6 TOTAL; grab, 18-Mar-1999(1254)	Groundwater	990005678	18-Mar-1999



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## REPORT OF ANALYSIS

Tetra Tech  
10670 White Rock Road  
Suite 100  
Rancho Cordeva, CA 95670  
Attn: Nisha Bansal

Page 2 of 22  
Report No: 9901498

Client Sample I.D.,	Sample Type	Lab Sample No.	Received by
MW-7; grab, 18-Mar-1999(1130)	Groundwater	990005679	Gascoyne
			18-Mar-1999

This Report contains the following:

- A) Cover Letter
- B) Test Results
- C) Chain-of-Custody

All samples were analyzed following EPA protocols and other recognized methodologies as specified in the report. All laboratory Quality Control(QC) data associated with this report are within established control limits unless otherwise noted in this report.

Gascoyne Laboratories, Inc. laboratory identification numbers:

Maryland :109; Delaware: MD015; Virginia: 00152; New Jersey: 60637; Pennsylvania: 68-339;  
New York: 11158; A2LA: 410.01; AIHA:8885; US Army Corps of Engineers;  
and EPA ICR: ICRMD003.

The analyses specified in this report may or may not be included in the scopes of the above listed certifications.

This cover page is an integral part of this report and must be included with all copies of this report.

Final report reviewed by: James H. Newman, Client Services Manager

4/2/99

Report issue date



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## REPORT OF ANALYSIS

Page 3 of 22

Report no: 9901498

Client: Tetra Tech

Sample Id: Submitted samples: MW-5 DISSOLVED; grab collected on 18-Mar-99(11:30)

Laboratory Sample Number: 990005673

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Mercury(Hg)	<0.0002 ppm	0.0002 ppm	EPA-7470A	CSG	25-Mar-99(16:14)
Antimony(Sb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:54)
Arsenic(As)	<0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(19:54)
Beryllium(Be)	0.0086 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(19:54)
Cadmium(Cd)	0.023 ppm	0.0005 ppm	EPA-6020	CJK	30-Mar-99(19:54)
Chromium(Cr)	0.0060 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(19:54)
Copper(Cu)	0.085 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:54)
Lead(Pb)	0.012 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:54)
Nickel(Ni)	0.17 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:54)
Selenium(Se)	0.020 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(19:54)
Silver(Ag)	<0.0010 ppm	0.0010 ppm	EPA-6020	CJK	30-Mar-99(19:54)
Thallium(Tl)	<0.0020 ppm	0.0020 ppm	EPA-6020	CJK	30-Mar-99(19:54)
Zinc(Zn)	0.43 ppm	0.020 ppm	EPA-6020	CJK	30-Mar-99(19:54)



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## REPORT OF ANALYSIS

Page 4 of 22

Report no: 9901498

Client: Tetra Tech

Sample Id: Submitted samples: TRIP BLANK; grab collected on 17-Mar-99(17:57)

Laboratory Sample Number: 990005674

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Chloromethane	<10 ppb	10 ppb	EPA-8260B	THP	19-Mar-99(20:15)
Vinyl Chloride	<10 ppb	10 ppb	EPA-8260B	THP	19-Mar-99(20:15)
Bromomethane	<10 ppb	10 ppb	EPA-8260B	THP	19-Mar-99(20:15)
Chloroethane	<10 ppb	10 ppb	EPA-8260B	THP	19-Mar-99(20:15)
Acetone	<100 ppb	100 ppb	EPA-8260B	THP	19-Mar-99(20:15)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
Carbon Disulfide	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
Methylene Chloride	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
2-Butanone	<100 ppb	100 ppb	EPA-8260B	THP	19-Mar-99(20:15)
cis-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
Chloroform	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
Benzene	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
Trichloroethene	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
Bromodichloromethane	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
4-Methyl-2-Pentanone	<50 ppb	50 ppb	EPA-8260B	THP	19-Mar-99(20:15)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
2-Hexanone	<50 ppb	50 ppb	EPA-8260B	THP	19-Mar-99(20:15)
Toluene	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
Tetrachloroethene	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
Dibromochloromethane	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
Chlorobenzene	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
Ethylbenzene	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
Total Xylenes	<10 ppb	10 ppb	EPA-8260B	THP	19-Mar-99(20:15)



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## REPORT OF ANALYSIS

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Report no: 9901498

Client: Tetra Tech

Sample Id: Submitted samples: TRIP BLANK; grab collected on 17-Mar-99(17:57)

Laboratory Sample Number: 990005674

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Styrene	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
Bromoform	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-8260B	THP	19-Mar-99(20:15)
Dibromofluoromethane(surrogate)	98 % Rec	NA	EPA-8260B	THP	19-Mar-99(20:15)
1,2-Dichloroethane-d4(surrogate)	94 % Rec	NA	EPA-8260B	THP	19-Mar-99(20:15)
Toluene-d8(surrogate)	100 % Rec	NA	EPA-8260B	THP	19-Mar-99(20:15)
Bromofluorobenzene(surrogate)	105 % Rec	NA	EPA-8260B	THP	19-Mar-99(20:15)



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## REPORT OF ANALYSIS

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Report no: 9901498

Client: Tetra Tech

Sample Id: Submitted samples: MW-6 DISSOLVED; grab collected on 18-Mar-99(12:54)

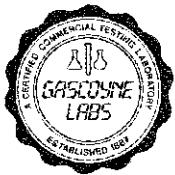
Laboratory Sample Number: 990005675

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Mercury(Hg)	<0.0002 ppm	0.0002 ppm	EPA-7470A	CSG	25-Mar-99(16:20)
Antimony(Sb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:58)
Arsenic(As)	<0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(19:58)
Beryllium(Be)	0.0041 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(19:58)
Cadmium(Cd)	0.0014 ppm	0.0005 ppm	EPA-6020	CJK	30-Mar-99(19:58)
Chromium(Cr)	<0.0025 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(19:58)
Copper(Cu)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:58)
Lead(Pb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:58)
Nickel(Ni)	0.034 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(19:58)
Selenium(Se)	<0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(19:58)
Silver(Ag)	<0.0010 ppm	0.0010 ppm	EPA-6020	CJK	30-Mar-99(19:58)
Thallium(Tl)	<0.0020 ppm	0.0020 ppm	EPA-6020	CJK	30-Mar-99(19:58)
Zinc(Zn)	0.12 ppm	0.020 ppm	EPA-6020	CJK	30-Mar-99(19:58)



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## REPORT OF ANALYSIS

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Report no: 9901498

Client: Tetra Tech

Sample Id: Submitted samples: MW-7 DISSOLVED; grab collected on 18-Mar-99(11:30)

Laboratory Sample Number: 990005676

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Mercury(Hg)	<0.0002 ppm	0.0002 ppm	EPA-7470A	CSG	25-Mar-99(16:22)
Antimony(Sb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(20:02)
Arsenic(As)	<0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(20:02)
Beryllium(Be)	0.0086 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(20:02)
Cadmium(Cd)	0.022 ppm	0.0005 ppm	EPA-6020	CJK	30-Mar-99(20:02)
Chromium(Cr)	0.0053 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(20:02)
Copper(Cu)	0.073 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(20:02)
Lead(Pb)	0.013 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(20:02)
Nickel(Ni)	0.16 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(20:02)
Selenium(Se)	0.018 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(20:02)
Silver(Ag)	<0.0010 ppm	0.0010 ppm	EPA-6020	CJK	30-Mar-99(20:02)
Thallium(Tl)	<0.0020 ppm	0.0020 ppm	EPA-6020	CJK	30-Mar-99(20:02)
Zinc(Zn)	0.43 ppm	0.020 ppm	EPA-6020	CJK	30-Mar-99(20:02)



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## REPORT OF ANALYSIS

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Report no: 9901498

Client: Tetra Tech

Sample Id: Submitted samples: MW-5 TOTAL; grab collected on 18-Mar-99(11:30)

Laboratory Sample Number: 990005677

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
2,4,5-Trichlorophenol	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
2,4,6-Trichlorophenol	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
2,4-Dichlorophenol	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
2,4-Dimethylphenol	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
2,4-Dinitrophenol	<60 ppb	60 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
2-Chlorophenol	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
2-Methylphenol	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
2-Nitrophenol	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
4,6-Dinitro-2-Methyl Phenol	<60 ppb	60 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
4-Chloro-3-Methyl Phenol	<24 ppb	24 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
4-Methylphenol	22 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
4-Nitrophenol	<60 ppb	60 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Pentachlorophenol	<60 ppb	60 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Phenol	15 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
2-Fluorophenol(surrogate)	31 % Rec	NA	EPA-8270C	DJP	26-Mar-99(23:28)
Phenol-d5(surrogate)	18 % Rec	NA	EPA-8270C	DJP	26-Mar-99(23:28)
2,4,6-Tribromophenol(surrogate)	37 % Rec	NA	EPA-8270C	DJP	26-Mar-99(23:28)

1,2,4-Trichlorobenzene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
1,2-Dichlorobenzene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
1,3-Dichlorobenzene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
1,4-Dichlorobenzene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
2,4-Dinitrotoluene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
2,6-Dinitrotoluene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
2-Chloronaphthalene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
2-Methylnaphthalene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
2-Nitroaniline	<60 ppb	60 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
3,3'-Dichlorobenzidine	<24 ppb	24 ppb	EPA-8270C	DJP	26-Mar-99(23:28)



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## REPORT OF ANALYSIS

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Report no: 9901498

Client: Tetra Tech

Sample Id: Submitted samples: MW-5 TOTAL; grab collected on 18-Mar-99(11:30)

Laboratory Sample Number: 990005677

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
3-Nitroaniline	<60 ppb	60 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
4-Bromophenyl Phenyl Ether	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
4-Chloroaniline	<24 ppb	24 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
4-Chlorophenyl Phenyl Ether	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
4-Nitroaniline	<60 ppb	60 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Acenaphthene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Acenaphthylene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Anthracene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Benzo(a)Anthracene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Benzo(a)Pyrene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Benzo(b)Fluoranthene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Benzo(g,h,i)Perylene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Benzo(k)Fluoranthene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Bis(2-Chloroethoxy)Methane	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Bis(2-Chloroethyl)Ether	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Bis(2-Chloroisopropyl)Ether	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Bis(2-Ethylhexyl)Phthalate	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Butyl Benzyl Phthalate	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Carbazole	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Chrysene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Di-n-Butyl Phthalate	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Di-n-Octyl Phthalate	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Dibenz(a,h)Anthracene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Dibenzofuran	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Diethyl Phthalate	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Dimethyl Phthalate	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Fluoranthene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Fluorene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Hexachlorobenzene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Hexachlorobutadiene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Hexachlorocyclopentadiene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)



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## REPORT OF ANALYSIS

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Report no: 9901498

Client: Tetra Tech

Sample Id: Submitted samples: MW-5 TOTAL; grab collected on 18-Mar-99(11:30)

Laboratory Sample Number: 990005677

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Hexachloroethane	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Indeno(1,2,3-cd)Pyrene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Isophorone	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
N-Nitrosodi-N-propylamine	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
N-Nitrosodiphenylamine	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Naphthalene	50 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Nitrobenzene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Phenanthrene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Pyrene	<12 ppb	12 ppb	EPA-8270C	DJP	26-Mar-99(23:28)
Nitrobenzene-d5(surrogate)	106 % Rec	NA	EPA-8270C	DJP	26-Mar-99(23:28)
2-Fluorobiphenyl(surrogate)	94 % Rec	NA	EPA-8270C	DJP	26-Mar-99(23:28)
Terphenyl-d14(surrogate)	97 % Rec	NA	EPA-8270C	DJP	26-Mar-99(23:28)
Chloromethane	<5000 ppb	5000 ppb	EPA-8260B	THP	22-Mar-99(18:21)
Vinyl Chloride	<5000 ppb	5000 ppb	EPA-8260B	THP	22-Mar-99(18:21)
Bromomethane	<5000 ppb	5000 ppb	EPA-8260B	THP	22-Mar-99(18:21)
Chloroethane	<5000 ppb	5000 ppb	EPA-8260B	THP	22-Mar-99(18:21)
Acetone	<50000 ppb	50000 ppb	EPA-8260B	THP	22-Mar-99(18:21)
1,1-Dichloroethene	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
Carbon Disulfide	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
Methylene Chloride	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
trans-1,2-Dichloroethene	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
1,1-Dichloroethane	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
2-Butanone	<50000 ppb	50000 ppb	EPA-8260B	THP	22-Mar-99(18:21)
cis-1,2-Dichloroethene	55000 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
Chloroform	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
1,1,1-Trichloroethane	3000 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
Carbon Tetrachloride	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)



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## REPORT OF ANALYSIS

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Report no: 9901498

Client: Tetra Tech

Sample Id: Submitted samples: MW-5 TOTAL; grab collected on 18-Mar-99(11:30)

Laboratory Sample Number: 990005677

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Benzene	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
1,2-Dichloroethane	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
Trichloroethene	56000 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
1,2-Dichloropropane	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
Bromodichloromethane	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
4-Methyl-2-Pentanone	<25000 ppb	25000 ppb	EPA-8260B	THP	22-Mar-99(18:21)
cis-1,3-Dichloropropene	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
trans-1,3-Dichloropropene	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
1,1,2-Trichloroethane	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
2-Hexanone	<25000 ppb	25000 ppb	EPA-8260B	THP	22-Mar-99(18:21)
Toluene	5800 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
Tetrachloroethene	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
Dibromochloromethane	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
Chlorobenzene	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
Ethylbenzene	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
Total Xylenes	<5000 ppb	5000 ppb	EPA-8260B	THP	22-Mar-99(18:21)
Styrene	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
Bromoform	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
1,1,2,2-Tetrachloroethane	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:21)
Dibromofluoromethane(surrogate)	113 % Rec	NA	EPA-8260B	THP	22-Mar-99(18:21)
1,2-Dichloroethane-d4(surrogate)	98 % Rec	NA	EPA-8260B	THP	22-Mar-99(18:21)
Toluene-d8(surrogate)	98 % Rec	NA	EPA-8260B	THP	22-Mar-99(18:21)
Bromofluorobenzene(surrogate)	116 % Rec	NA	EPA-8260B	THP	22-Mar-99(18:21)
Diesel Range Organics(C10-C28)	2800 ppb	130 ppb	EPA-8015B	SLB	23-Mar-99(05:23)
n-Pentacosane(surrogate)	79 % Rec	NA	EPA-8015B	SLB	23-Mar-99(05:23)



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## REPORT OF ANALYSIS

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Report no: 9901498

Client: Tetra Tech

Sample Id: Submitted samples: MW-5 TOTAL; grab collected on 18-Mar-99(11:30)

Laboratory Sample Number: 990005677

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Gasoline Range Organics(C6-C10)	46000 ppb	10000 ppb	EPA-8015B	NJ	22-Mar-99(09:35)
Trifluorotoluene(surrogate)	105 % Rec	NA	EPA-8015B	NJ	22-Mar-99(09:35)
Mercury(Hg)	<0.0002 ppm	0.0002 ppm	EPA-7470A	CSG	25-Mar-99(16:25)
Antimony(Sb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(23:49)
Arsenic(As)	0.012 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(22:16)
Beryllium(Be)	0.0096 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(22:16)
Cadmium(Cd)	0.021 ppm	0.0005 ppm	EPA-6020	CJK	30-Mar-99(22:16)
Chromium(Cr)	0.021 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(22:16)
Copper(Cu)	0.12 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(22:16)
Lead(Pb)	0.034 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(22:16)
Nickel(Ni)	0.17 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(22:16)
Selenium(Se)	0.022 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(22:16)
Silver(Ag)	<0.0010 ppm	0.0010 ppm	EPA-6020	CJK	30-Mar-99(22:16)
Thallium(Tl)	<0.0020 ppm	0.0020 ppm	EPA-6020	CJK	30-Mar-99(22:16)
Zinc(Zn)	0.42 ppm	0.020 ppm	EPA-6020	CJK	30-Mar-99(22:16)



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## REPORT OF ANALYSIS

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Report no: 9901498

Client: Tetra Tech

Sample Id: Submitted samples: MW-6 TOTAL; grab collected on 18-Mar-99(12:54)

Laboratory Sample Number: 990005678

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
2,4,5-Trichlorophenol	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
2,4,6-Trichlorophenol	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
2,4-Dichlorophenol	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
2,4-Dimethylphenol	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
2,4-Dinitrophenol	<50 ppb	50 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
2-Chlorophenol	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
2-Methylphenol	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
2-Nitrophenol	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
4,6-Dinitro-2-Methyl Phenol	<50 ppb	50 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
4-Chloro-3-Methyl Phenol	<20 ppb	20 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
4-Methylphenol	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
4-Nitrophenol	<50 ppb	50 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Pentachlorophenol	<50 ppb	50 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Phenol	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
2-Fluorophenol(surrogate)	62 % Rec	NA	EPA-8270C	DJP	27-Mar-99(00:07)
Phenol-d5(surrogate)	44 % Rec	NA	EPA-8270C	DJP	27-Mar-99(00:07)
2,4,6-Tribromophenol(surrogate)	22 % Rec	NA	EPA-8270C	DJP	27-Mar-99(00:07)
1,2,4-Trichlorobenzene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
1,2-Dichlorobenzene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
1,3-Dichlorobenzene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
1,4-Dichlorobenzene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
2,4-Dinitrotoluene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
2,6-Dinitrotoluene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
2-Chloronaphthalene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
2-Methylnaphthalene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
2-Nitroaniline	<50 ppb	50 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
3,3'-Dichlorobenzidine	<20 ppb	20 ppb	EPA-8270C	DJP	27-Mar-99(00:07)



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## REPORT OF ANALYSIS

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Report no: 9901498

Client: Tetra Tech

Sample Id: Submitted samples: MW-6 TOTAL; grab collected on 18-Mar-99(12:54)

Laboratory Sample Number: 990005678

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
3-Nitroaniline	<50 ppb	50 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
4-Bromophenyl Phenyl Ether	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
4-Chloroaniline	<20 ppb	20 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
4-Chlorophenyl Phenyl Ether	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
4-Nitroaniline	<50 ppb	50 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Acenaphthene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Acenaphthylene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Anthracene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Benzo(a)Anthracene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Benzo(a)Pyrene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Benzo(b)Fluoranthene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Benzo(g,h,i)Perylene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Benzo(k)Fluoranthene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Bis(2-Chloroethoxy)Methane	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Bis(2-Chloroethyl)Ether	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Bis(2-Chloroisopropyl)Ether	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Bis(2-Ethylhexyl)Phthalate	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Butyl Benzyl Phthalate	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Carbazole	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Chrysene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Di-n-Butyl Phthalate	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Di-n-Octyl Phthalate	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Dibenz(a,h)Anthracene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Dibenzofuran	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Diethyl Phthalate	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Dimethyl Phthalate	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Fluoranthene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Fluorene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Hexachlorobenzene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Hexachlorobutadiene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Hexachlorocyclopentadiene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)



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## REPORT OF ANALYSIS

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Report no: 9901498

Client: Tetra Tech

Sample Id: Submitted samples: MW-6 TOTAL; grab collected on 18-Mar-99(12:54)

Laboratory Sample Number: 990005678

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Hexachloroethane	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Indeno(1,2,3-cd)Pyrene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Isophorone	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
N-Nitrosodi-N-propylamine	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
N-Nitrosodiphenylamine	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Naphthalene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Nitrobenzene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Phenanthrene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Pyrene	<10 ppb	10 ppb	EPA-8270C	DJP	27-Mar-99(00:07)
Nitrobenzene-d5(surrogate)	111 % Rec	NA	EPA-8270C	DJP	27-Mar-99(00:07)
2-Fluorobiphenyl(surrogate)	89 % Rec	NA	EPA-8270C	DJP	27-Mar-99(00:07)
Terphenyl-d14(surrogate)	96 % Rec	NA	EPA-8270C	DJP	27-Mar-99(00:07)

Chloromethane	<10 ppb	10 ppb	EPA-8260B	THP	21-Mar-99(13:50)
Vinyl Chloride	<10 ppb	10 ppb	EPA-8260B	THP	21-Mar-99(13:50)
Bromomethane	<10 ppb	10 ppb	EPA-8260B	THP	21-Mar-99(13:50)
Chloroethane	<10 ppb	10 ppb	EPA-8260B	THP	21-Mar-99(13:50)
Acetone	<100 ppb	100 ppb	EPA-8260B	THP	21-Mar-99(13:50)
1,1-Dichloroethene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
Carbon Disulfide	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
Methylene Chloride	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
trans-1,2-Dichloroethene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
1,1-Dichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
2-Butanone	<100 ppb	100 ppb	EPA-8260B	THP	21-Mar-99(13:50)
cis-1,2-Dichloroethene	43 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
Chloroform	5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
1,1,1-Trichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
Carbon Tetrachloride	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)



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## REPORT OF ANALYSIS

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Report no: 9901498

Client: Tetra Tech

Sample Id: Submitted samples: MW-6 TOTAL; grab collected on 18-Mar-99(12:54)

Laboratory Sample Number: 990005678

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Benzene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
1,2-Dichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
Trichloroethene	41 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
1,2-Dichloropropane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
Bromodichloromethane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
4-Methyl-2-Pentanone	<50 ppb	50 ppb	EPA-8260B	THP	21-Mar-99(13:50)
cis-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
trans-1,3-Dichloropropene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
1,1,2-Trichloroethane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
2-Hexanone	<50 ppb	50 ppb	EPA-8260B	THP	21-Mar-99(13:50)
Toluene	5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
Tetrachloroethene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
Dibromochloromethane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
Chlorobenzene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
Ethylbenzene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
Total Xylenes	<10 ppb	10 ppb	EPA-8260B	THP	21-Mar-99(13:50)
Styrene	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
Bromoform	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
1,1,2,2-Tetrachloroethane	<5 ppb	5 ppb	EPA-8260B	THP	21-Mar-99(13:50)
Dibromofluoromethane(surrogate)	111 % Rec	NA	EPA-8260B	THP	21-Mar-99(13:50)
1,2-Dichloroethane-d4(surrogate)	99 % Rec	NA	EPA-8260B	THP	21-Mar-99(13:50)
Toluene-d8(surrogate)	99 % Rec	NA	EPA-8260B	THP	21-Mar-99(13:50)
Bromofluorobenzene(surrogate)	113 % Rec	NA	EPA-8260B	THP	21-Mar-99(13:50)
Diesel Range Organics(C10-C28)	<100 ppb	100 ppb	EPA-8015B	SLB	23-Mar-99(06:05)
n-Pentacosane(surrogate)	65 % Rec	NA	EPA-8015B	SLB	23-Mar-99(06:05)



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## REPORT OF ANALYSIS

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Report no: 9901498

Client: Tetra Tech

Sample Id: Submitted samples: MW-6 TOTAL; grab collected on 18-Mar-99(12:54)

Laboratory Sample Number: 990005678

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Gasoline Range Organics(C6-C10)	<100 ppb	100 ppb	EPA-8015B	NJ	19-Mar-99(18:54)
Trifluorotoluene(surrogate)	105 % Rec	NA	EPA-8015B	NJ	19-Mar-99(18:54)
Mercury(Hg)	<0.0002 ppm	0.0002 ppm	EPA-7470A	CSG	25-Mar-99(16:27)
Antimony(Sb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(23:53)
Arsenic(As)	0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(22:20)
Beryllium(Be)	0.0040 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(22:20)
Cadmium(Cd)	0.0010 ppm	0.0005 ppm	EPA-6020	CJK	30-Mar-99(22:20)
Chromium(Cr)	0.0040 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(22:20)
Copper(Cu)	0.006 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(22:20)
Lead(Pb)	0.007 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(22:20)
Nickel(Ni)	0.036 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(22:20)
Selenium(Se)	<0.005 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(22:20)
Silver(Ag)	<0.0010 ppm	0.0010 ppm	EPA-6020	CJK	30-Mar-99(22:20)
Thallium(Tl)	<0.0020 ppm	0.0020 ppm	EPA-6020	CJK	30-Mar-99(22:20)
Zinc(Zn)	0.10 ppm	0.020 ppm	EPA-6020	CJK	30-Mar-99(22:20)



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## REPORT OF ANALYSIS

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Report no: 9901498

Client: Tetra Tech

Sample Id: Submitted samples: MW-7; grab collected on 18-Mar-99(11:30)

Laboratory Sample Number: 990005679

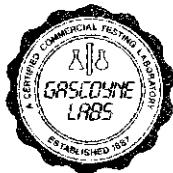
Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
2,4,5-Trichlorophenol	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
2,4,6-Trichlorophenol	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
2,4-Dichlorophenol	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
2,4-Dimethylphenol	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
2,4-Dinitrophenol	<55 ppb	55 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
2-Chlorophenol	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
2-Methylphenol	11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
2-Nitrophenol	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
4,6-Dinitro-2-Methyl Phenol	<55 ppb	55 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
4-Chloro-3-Methyl Phenol	<22 ppb	22 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
4-Methylphenol	28 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
4-Nitrophenol	<55 ppb	55 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Pentachlorophenol	<55 ppb	55 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Phenol	27 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
2-Fluorophenol(surrogate)	92 % Rec	NA	EPA-8270C	DJP	27-Mar-99(00:48)
Phenol-d5(surrogate)	69 % Rec	NA	EPA-8270C	DJP	27-Mar-99(00:48)
2,4,6-Tribromophenol(surrogate)	62 % Rec	NA	EPA-8270C	DJP	27-Mar-99(00:48)

1,2,4-Trichlorobenzene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
1,2-Dichlorobenzene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
1,3-Dichlorobenzene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
1,4-Dichlorobenzene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
2,4-Dinitrotoluene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
2,6-Dinitrotoluene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
2-Chloronaphthalene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
2-Methylnaphthalene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
2-Nitroaniline	<55 ppb	55 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
3,3'-Dichlorobenzidine	<22 ppb	22 ppb	EPA-8270C	DJP	27-Mar-99(00:48)



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## REPORT OF ANALYSIS

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Report no: 9901498

Client: Tetra Tech

Sample Id: Submitted samples: MW-7; grab collected on 18-Mar-99(11:30)

Laboratory Sample Number: 990005679

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
3-Nitroaniline	<55 ppb	55 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
4-Bromophenyl Phenyl Ether	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
4-Chloroaniline	<22 ppb	22 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
4-Chlorophenyl Phenyl Ether	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
4-Nitroaniline	<55 ppb	55 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Acenaphthene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Acenaphthylene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Anthracene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Benzo(a)Anthracene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Benzo(a)Pyrene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Benzo(b)Fluoranthene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Benzo(g,h,i)Perylene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Benzo(k)Fluoranthene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Bis(2-Chloroethoxy)Methane	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Bis(2-Chloroethyl)Ether	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Bis(2-Chloroisopropyl)Ether	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Bis(2-Ethylhexyl)Phthalate	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Butyl Benzyl Phthalate	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Carbazole	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Chrysene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Di-n-Butyl Phthalate	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Di-n-Octyl Phthalate	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Dibenz(a,h)Anthracene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Dibenzofuran	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Diethyl Phthalate	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Dimethyl Phthalate	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Fluoranthene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Fluorene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Hexachlorobenzene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Hexachlorobutadiene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Hexachlorocyclopentadiene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)



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## REPORT OF ANALYSIS

Page 20 of 22

Report no: 9901498

Client: Tetra Tech

Sample Id: Submitted samples: MW-7; grab collected on 18-Mar-99(11:30)

Laboratory Sample Number: 990005679

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Hexachloroethane	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Indeno(1,2,3-cd)Pyrene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Isophorone	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
N-Nitrosodi-N-propylamine	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
N-Nitrosodiphenylamine	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Naphthalene	45 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Nitrobenzene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Phenanthrene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Pyrene	<11 ppb	11 ppb	EPA-8270C	DJP	27-Mar-99(00:48)
Nitrobenzene-d5(surrogate)	110 % Rec	NA	EPA-8270C	DJP	27-Mar-99(00:48)
2-Fluorobiphenyl(surrogate)	93 % Rec	NA	EPA-8270C	DJP	27-Mar-99(00:48)
Terphenyl-d14(surrogate)	77 % Rec	NA	EPA-8270C	DJP	27-Mar-99(00:48)

Chloromethane	<5000 ppb	5000 ppb	EPA-8260B	THP	22-Mar-99(18:54)
Vinyl Chloride	<5000 ppb	5000 ppb	EPA-8260B	THP	22-Mar-99(18:54)
Bromomethane	<5000 ppb	5000 ppb	EPA-8260B	THP	22-Mar-99(18:54)
Chloroethane	<5000 ppb	5000 ppb	EPA-8260B	THP	22-Mar-99(18:54)
Acetone	<50000 ppb	50000 ppb	EPA-8260B	THP	22-Mar-99(18:54)
1,1-Dichloroethene	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
Carbon Disulfide	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
Methylene Chloride	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
trans-1,2-Dichloroethene	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
1,1-Dichloroethane	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
2-Butanone	<50000 ppb	50000 ppb	EPA-8260B	THP	22-Mar-99(18:54)
cis-1,2-Dichloroethene	57000 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
Chloroform	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
1,1,1-Trichloroethane	3100 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
Carbon Tetrachloride	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)



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## REPORT OF ANALYSIS

Page 21 of 22

Report no: 9901498

Client: Tetra Tech

Sample Id: Submitted samples: MW-7; grab collected on 18-Mar-99(11:30)

Laboratory Sample Number: 990005679

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Benzene	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
1,2-Dichloroethane	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
Trichloroethene	59000 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
1,2-Dichloropropane	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
Bromodichloromethane	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
4-Methyl-2-Pentanone	<25000 ppb	25000 ppb	EPA-8260B	THP	22-Mar-99(18:54)
cis-1,3-Dichloropropene	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
trans-1,3-Dichloropropene	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
1,1,2-Trichloroethane	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
2-Hexanone	<25000 ppb	25000 ppb	EPA-8260B	THP	22-Mar-99(18:54)
Toluene	6100 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
Tetrachloroethene	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
Dibromochloromethane	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
Chlorobenzene	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
Ethylbenzene	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
Total Xylenes	<5000 ppb	5000 ppb	EPA-8260B	THP	22-Mar-99(18:54)
Styrene	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
Bromoform	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
1,1,2,2-Tetrachloroethane	<2500 ppb	2500 ppb	EPA-8260B	THP	22-Mar-99(18:54)
Dibromofluoromethane(surrogate)	112 % Rec	NA	EPA-8260B	THP	22-Mar-99(18:54)
1,2-Dichloroethane-d4(surrogate)	99 % Rec	NA	EPA-8260B	THP	22-Mar-99(18:54)
Toluene-d8(surrogate)	97 % Rec	NA	EPA-8260B	THP	22-Mar-99(18:54)
Bromofluorobenzene(surrogate)	111 % Rec	NA	EPA-8260B	THP	22-Mar-99(18:54)
Diesel Range Organics(C10-C28)	2500 ppb	110 ppb	EPA-8015B	SLB	23-Mar-99(06:47)
n-Pentacosane(surrogate)	77 % Rec	NA	EPA-8015B	SLB	23-Mar-99(06:47)



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## REPORT OF ANALYSIS

Page 22 of 22

Report no: 9901498

Client: Tetra Tech

Sample Id: Submitted samples: MW-7; grab collected on 18-Mar-99(11:30)

Laboratory Sample Number: 990005679

Parameter	Test Results	Laboratory Reporting Limit	Method	Analyst	Date of Analysis
Gasoline Range Organics(C6-C10)	48000 ppb	10000 ppb	EPA-8015B	NJ	22-Mar-99(11:08)
Trifluorotoluene(surrogate)	106 % Rec	NA	EPA-8015B	NJ	22-Mar-99(11:08)
Mercury(Hg)	<0.0002 ppm	0.0002 ppm	EPA-7470A	CSG	25-Mar-99(16:33)
Antimony(Sb)	<0.0050 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(23:57)
Arsenic(As)	0.017 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(22:23)
Beryllium(Be)	0.0096 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(22:23)
Cadmium(Cd)	0.022 ppm	0.0005 ppm	EPA-6020	CJK	30-Mar-99(22:23)
Chromium(Cr)	0.027 ppm	0.0025 ppm	EPA-6020	CJK	30-Mar-99(22:23)
Copper(Cu)	0.15 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(22:23)
Lead(Pb)	0.046 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(22:23)
Nickel(Ni)	0.16 ppm	0.0050 ppm	EPA-6020	CJK	30-Mar-99(22:23)
Selenium(Se)	0.023 ppm	0.005 ppm	EPA-6020	CJK	30-Mar-99(22:23)
Silver(Ag)	<0.0010 ppm	0.0010 ppm	EPA-6020	CJK	30-Mar-99(22:23)
Thallium(Tl)	<0.0020 ppm	0.0020 ppm	EPA-6020	CJK	30-Mar-99(22:23)
Zinc(Zn)	0.44 ppm	0.020 ppm	EPA-6020	CJK	30-Mar-99(22:23)

Feb 18 1999

## **SAMPLE SUBMITTAL — CHAIN-OF-CUSTODY**

Page \_\_\_\_\_ of \_\_\_\_\_

Sample Type Codes:							
Air - Airbag	AB	Sludge	SL	Water	Drinking	WD	
- Air Filter	AF	Soil	SO		Groundwater	WG	
- Sorbent Tubes	AT	Trip Blank	TB		Surface	WS	
Field Blank	FB	Waste Liquid	LW		Wastewater	WW	
Off(s)	OL	Solid	SW		Wipes	WP	
Paint Chips	PC						

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LAB USE ONLY	
Report #	<i>101493</i>
Temp Blk	24
Cooler #	132

### **Test Results to:**

Company: Teva Tech

Contact: Scott Truesdale / Nisha  
Phone No. (703) 931-9301  
FAX No. (703) 931-9222

### Sample Site/Project

Sampler/MDOE #

### Gascoyne Quote #

Client's P.O. #

**RESULTS NEEDED BY:**  **ROUTINE (10-15 DAYS)**  **PRIORITY\*** **BY:** 7/16/99

LIMS NO. LAB USE ONLY	SAMPLE TYPE USE CODES ABOVE if applicable	SAMPLE IDENTIFICATION (Keep brief and assign sample numbers if possible)	DATE COLLECTED	TIME COLLECTED	C O M P O S I T E	G R A B	N P D E S	NUMBER OF CONTAINERS	COMMENTS (i.e. Data Package, methods, detection limits, etc.)
58735	WG	MW-5	3/18/99	11:30	/	/			EPA Meth 6020
	WG	MW-5	3/18/99	11:30	/	/			EPA Meth 6020
	WG	MW-5	3/18/99	11:30	/	/			EPA Meth 8270C
	WG	MW-5	3/18/99	11:30	/	/			EPA Meth 8015 mod
	WG	MW-5	3/18/99	11:30	/	2			EPA Meth 8260B
	WG	MW-5	3/18/99	11:30	/	2			EPA Meth 8015 mod
58741	W	Trip Bland	3/17/99	11:30a		2			
				1757 (004)					

### Total Number of Containers

10

Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
<i>Janet O'Leary</i>	<i>Jan Fissmann Tetra Tech</i>	<i>3/18/97 15:54</i>	<i>Alida J. Chapell</i>	<i>Dina V. Chappell COT</i>	<i>3/18/97 15:54</i>
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:
Relinquished By (signature):	Printed Name/Affiliation:	Date: Time:	Received By (signature):	Printed Name/Affiliation:	Date: Time:

**\*May Require Surcharge**

WHITE COPY - FAP

YELLOW - REPORT COPY

PINK - CLIENT SAMPLE SUBMITTAL RECEIPT

Revised 4/97



