TETRA TECH

August 15, 2013

Matthew Naud
City of Ann Arbor
Environmental Coordinator
301 East Huron Street
Ann Arbor, MI 48107-8647

RE: Phase II Environmental Site Assessment
415 W. Washington Street, Ann Arbor, Michigan

Dear Mr. Naud,

Tetra Tech (Tt) was contracted by the City of Ann Arbor for a Phase II Environmental Site Assessment (ESA) at 415 W. Washington Street (subject property). The subject property is located along the south side of W. Washington Street between S. 1st and 3rd Streets in Ann Arbor, Michigan (**Figure 1**). The subject property is currently occupied by a parking lot and U-shaped buildings. Portions of the buildings are used to store City of Ann Arbor and Republic Parking Services (RPS) materials and equipment. The following activities were completed for the Phase II ESA:

- Existing groundwater monitoring well sampling on January 15 and 16, 2013
- Storm water sampling on January 16, 2013
- Subsurface investigation on February 24, 2013
    - Six soil borings advanced and soil samples collected
    - Two temporary monitoring wells installed and groundwater and soil samples collected
    - Five monitoring wells installed and groundwater and soil samples collected
- New groundwater monitoring well sampling on March 7, 2013

These activities are described in detail below.

Soil Boring and Monitoring Well Installation

Based on groundwater sample results, historical uses and information gathered for the Phase I ESA, a Phase II ESA subsurface investigation was completed. An onsite joint MISSDIG meeting with the City of Ann Arbor utilities was conducted on February 22, 2013. Soil borings were cleared and utilities were marked before any subsurface activities were performed. Thirteen soil borings were completed using direct push methods and a macro core sampler with a Geoprobe 6620DT. The rationale for completing these locations are as follows:

- SB-1-13, SB-2-13, SB-3-13 and SB-4-13 were advanced to collect soil samples for delineation of historical soil polynuclear aromatics (PNA) concentrations near AH17-1 and AH17-2 (**Figure 2**). These historical borings were not delineated in 1994 and each had elevated concentrations of total PNAs.

- SB-5-13 and SB-6-13 were advanced adjacent to existing monitoring wells MW-10 and MW-2 respectively. The purpose of the soil borings was to ensure soils were not currently impacted.
- MW-1R-13 and MW-3R-13 were installed to replace previously existing MW-1 and MW-3, which City Surveyors were unable to locate.
- MW-6R-13 and MW-11R-13 were installed to replace MW-6 and MW-11. These wells were located by City Surveyors but were too shallow to be productive.
- TW-1-13 and TW-2-13 are temporary monitoring wells that were installed to delineate trichloroethene (TCE) detected in existing monitoring wells MW-2 and MW-5 (see next section) and to investigate historical use of both the south garage chemical area and the lawn mower repair shop.
- MW-13-13 was installed to delineate TCE detected in existing monitoring wells MW-2 and MW-5.

Soil borings were completed on February 24, 2013. The soil was field screened using a photoionization detector (PID) at every foot and were biased to visually or olfactorily impacted areas. Samples were collected for laboratory analysis at the highest measurement on the PID in the unsaturated zone. Samples were analyzed for volatile organic compounds (VOCs) and PNAs depending on the location and historical use of the area. Soil boring and monitoring well installation logs including well construction information are included in **Appendix A**. The lithological description and depth that the soil sample was collected is summarized in **Table 1**.

Soil Sampling Results

Two soil borings that were advanced in the early 1990s (AH17-1 and AH17-2) identified PNA impacts. The extent of the impacts were not delineated at that time. For these locations, soil samples were collected at a depth in the unsaturated zone to determine vertical delineation. These sample results are discussed separately from the other soil borings completed onsite due to a different source area. Laboratory analytical results are included as **Appendix B**. Analytical results were compared to the Michigan Department of Environmental Quality's (MDEQ) Part 201 Generic Cleanup Criteria and Risk-Based Screening Levels (Part 201 Criteria). Results for SB-1-13 and SB-3-13 are summarized on **Table 2** and indicate the following:

- Select PNAs were detected above method detection limits (MDLs) and below reporting limits (RLs);
- Select PNAs exceed RLs and are below Part 201 Criteria;
- Acenaphthylene was detected at concentrations exceeding residential drinking water protection (RDWP) criteria;
- Fluoranthene, fluorene and naphthalene were detected at concentrations exceeding groundwater to surface water interface protection (GSIP);
- Phenanthrene was detected at a concentration exceeding RDWP and GSIP criteria; and
- Benzo(a)pyrene was detected at a concentration exceeding direct contact (DC) criteria.

These impacts are primarily detected in the soil sample collected from SB-1-13 at 2.5 feet below ground surface (bgs). A second sample collected at 5 feet bgs from the same soil boring has concentrations detected below reporting limits, indicating that impacts are delineated vertically. Soil samples were not collected from SB-2-13 and SB-4-13 because PID, visual and olfactory observations did not suggest soil impacts were present. An approximate area extent of the PNA impact is identified on **Figure 2**.

The remaining soil samples collected onsite were compared to MDEQ Part 201 Criteria. A summary of the soil results are included on **Table 2** and **Figure 2** and indicate the following:

- Select PNAs and VOCs were detected above MDL and below RLs;
- Isopropylbenzene, methylcyclohexane, tetrachloroethane, and 2-methylnaphthalene exceed RLs and are below Part 201 Criteria;
- TCE and benzene were detected at concentrations exceeding RDWP and non-residential drinking water protection (NDWP) and criteria;
- Naphthalene was detected at concentrations exceeding GSIP; and
- Xylenes and ethlybenzene were detected at concentrations exceeding NDWP, RDWP and GSIP criteria.

These impacts represent two different soil impact areas above applicable criteria. One soil impact area is located primarily within the vicinity MW-6R-13 and is associated with the historical fuel releases at the subject property. The second impact area is located in the southwestern corner of the property and represents a contaminant (TCE) not identified onsite during remediation in the 1990s. Approximate area extents are identified on **Figure 2**. The diagonal lines indicate area of potential impact that may warrant further investigation.

Groundwater Samples and Results

Prior to groundwater sampling on January 15, 2013, City of Ann Arbor survey personnel were onsite to locate the existing monitoring wells. Tt georeferenced a historical map and provided coordinates for the City Surveyors. The historical map includes eleven monitoring wells that were installed in the 1990s. The surveyors were able to locate all monitoring wells except three (MW-1, MW-3, and MW-7). Surveyors also located piezometers P-1, P-2 and P-3. Each piezometer well contains a cluster of four 1" diameter wells, each set at a different total well depth within the aquifer. City of Ann Arbor surveyors returned on March 7, 2013 to survey newly installed monitoring wells and temporary monitoring well and soil boring locations.

Tt personnel completed groundwater sampling as follows (**Figure 3**):

- Eight existing monitoring wells: MW-2, MW-4, MW-5, MW-6, MW-8, MW-9, MW-10 and MW-11;
- One piezometer: P-3-15';
- Four replacement monitoring wells: MW-1R-13, MW-3R-13, MW-6R-13 and MW-11R-13, installed in close proximity to the historical locations;
- Two temporary wells: TW-1-13 and TW-2-13; and

- One new monitoring well: MW-13-13 to delineate TCE impacts.

Temporary wells TW-1-13 and TW-2-13 were constructed of 1" diameter PVC casing and 1" diameter 10 slot PVC screen. Both temporary wells had a total well depth of 12 feet and a 5 foot screen interval from 7 to 12 feet bgs. The two temporary wells were located within the west and south garage to delineate TCE and verify that historical practices had not impacted the subsurface. Permanent monitoring wells were constructed of 2" diameter PVC casing and 2" diameter 10 slot PVC screen. Total well depth, screen interval and groundwater depth are summarized on **Table 3** for all locations onsite.

Prior to groundwater sampling, water levels were recorded and the wells were purged using low-flow methods. Water quality parameters were recorded and stabilized before the samples were collected. Groundwater samples were analyzed for PNAs, chloride, VOCs, and metals (silver, arsenic, barium, cadmium, chromium, nickel, lead, selenium, zinc, sodium and mercury). Monitoring well MW-8 was sampled for polychlorinated biphenyls (PCBs).

Groundwater sampling results are summarized on **Table 4** and are depicted on **Figure 3**. The laboratory analytical reports are included as **Appendix B**.

- PCBs were not detected above MDLs;
- Select PNAs, VOCs and metals were detected above MDLs and below RLs;
- Select VOCs, naphthalene, arsenic, barium, nickel, and zinc were detected at concentrations exceeding RLs and below Part 201 Criteria;
- Sodium, chloride, benzene, and trichloroethene (TCE) were detected at concentrations exceeding residential drinking water criteria (RDW) and non-residential drinking water criteria (NDW); and
- Benzene, ethylbenzene, xylenes, naphthalene, and phenanthrene were detected in concentrations exceeding groundwater to surface water interface (GSI) criteria.

A detection of mercury exceeding GSI criteria was reported in MW-8 on January 15, 2013. A groundwater sample was collected on March 7, 2013 to verify the earlier result. Mercury was not detected in the March 7, 2013 sample therefore, the January result is not considered valid.

Two separate groundwater impact areas are identified on **Figure 3** above applicable criteria. The first impact area is associated with the historical fuel release onsite and is primarily gasoline components with minor diesel fuel components. This area is not delineated. The highest concentration of benzene was detected at MW-11R-13 at 420 micrograms per liter (ug/L). There are no monitoring locations further north to determine the extent of the impacts.

The second impact area is related to the TCE identified in the southwest corner of the subject property. The TCE was identified in five monitoring locations onsite and decreases in concentration to the northeast.

Sodium and chloride were detected in concentrations exceeding RDW and NDW. However, due to the

ubiquitous presence across the site, a plume was not identified on **Figure 3**.

Storm Water Sampling and Results Section

Tt personnel collected a storm water sample (Storm Water-1) from a drain located east of the north garage (**Figure 1**). Water quality parameters were recorded and the results are summarized in **Table 5**. The sample was analyzed for VOCs, PNAs, PCBs and the metals listed above. The laboratory analytical reports are included as **Appendix B.** Laboratory analytical results indicate the following:

- PCBs were not detected above MDLs;
- Select metals and PNAs were detected above MDLs but below RLs; and
- Sodium, barium, zinc, and chloride were detected above RLs.

Groundwater Flow

Sitewide groundwater flow is depicted on **Figure 4**. Based on static water levels collected on March 7, 2013, groundwater flow is to the north/northeast. Regional groundwater flow is northeast toward the Huron River. Groundwater is essentially flat across the property ranging from 793.4 feet in the southwest to 792.9 at MW-9 on the north side of W. Washington Street. The contour interval is 0.1 foot.

Conclusions and Recommendations

Three separate soil impact areas and two groundwater impact areas above applicable criteria were identified on the subject property. These are summarized below with recommendations for each.

<u>Historical Fuel Release</u>

Both soil and groundwater impacts exists above applicable criteria as a result of the historical fuel release onsite. Additional subsurface investigation is recommended to determine the extent of the soil and groundwater impacts. The benzene concentrations detected in groundwater at MW-11R-13 require delineation to determine the northern extent of the impacts and if offsite migration has occurred.

Soil impacts identified at MW-6R-13 may be isolated to a smaller area. Groundwater was encountered at a depth of 11 feet bgs in the soil boring for MW-6R-13; just below the collection of a sample from the peat layer identified at 10.5 to 11 feet bgs. However, other soil borings completed onsite encounter groundwater at a shallower depth (5.5 to 7 feet bgs) and also encounter the peat layer shallower. Groundwater was encountered at 9 feet bgs at monitoring well MW-1R-13, located just west of MW-6R-13. The area between and around these two monitoring wells should be investigated to determine the extent of the historical fuel impacts in soil.

<u>Historical PNA Impacts</u>

Impacts above applicable criteria were not identified near AH17-1 in the northeastern corner of the subject property. However, concentrations exceeding applicable criteria and historical concentrations were identified at 2.5 feet bgs near AH17-2. One parameter, benzo(a)pyrene was detected above direct contact criteria. The area appears to be isolated and shallow. Tt recommends a hot spot excavation to approximately 5 feet bgs. Additional verification sampling is recommended to confirm that the contaminants have been removed.

TCE Impacts

Applicable criteria for TCE is exceeded in both soil and groundwater in the southwest corner of the subject property. Information collected and reviewed during the Phase I ESA did not include the use of TCE on the subject property. However, to confirm historical use of the west and south garages, two temporary monitoring wells were installed and groundwater samples collected for VOCs. Monitoring well MW-13-13 was installed as close to the southeast property corner as possible to determine if an offsite source was plausible. TCE was the only parameter detected above applicable criteria at these three locations (TW-1-13, TW-2-13 and MW-13-13) and 1,1,2-trichloroethane was detected above RLs in the same three locations. These impacts are highly likely from an offsite source based on their location, historical use of the property, the concentration gradient on the subject property (decreasing concentration from southwest to northeast) and other information contained in the Phase I ESA. Two offsite properties were identified in the Phase I ESA as requiring further consideration. Tt recommends completing FOIA requests for each site to determine parameters of concern, their concentrations and known extent for these properties.

If you have questions, please do not hesitate to contact us at 734-213-4069.

Sincerely,

Craig W. Dechy
Staff Geologist

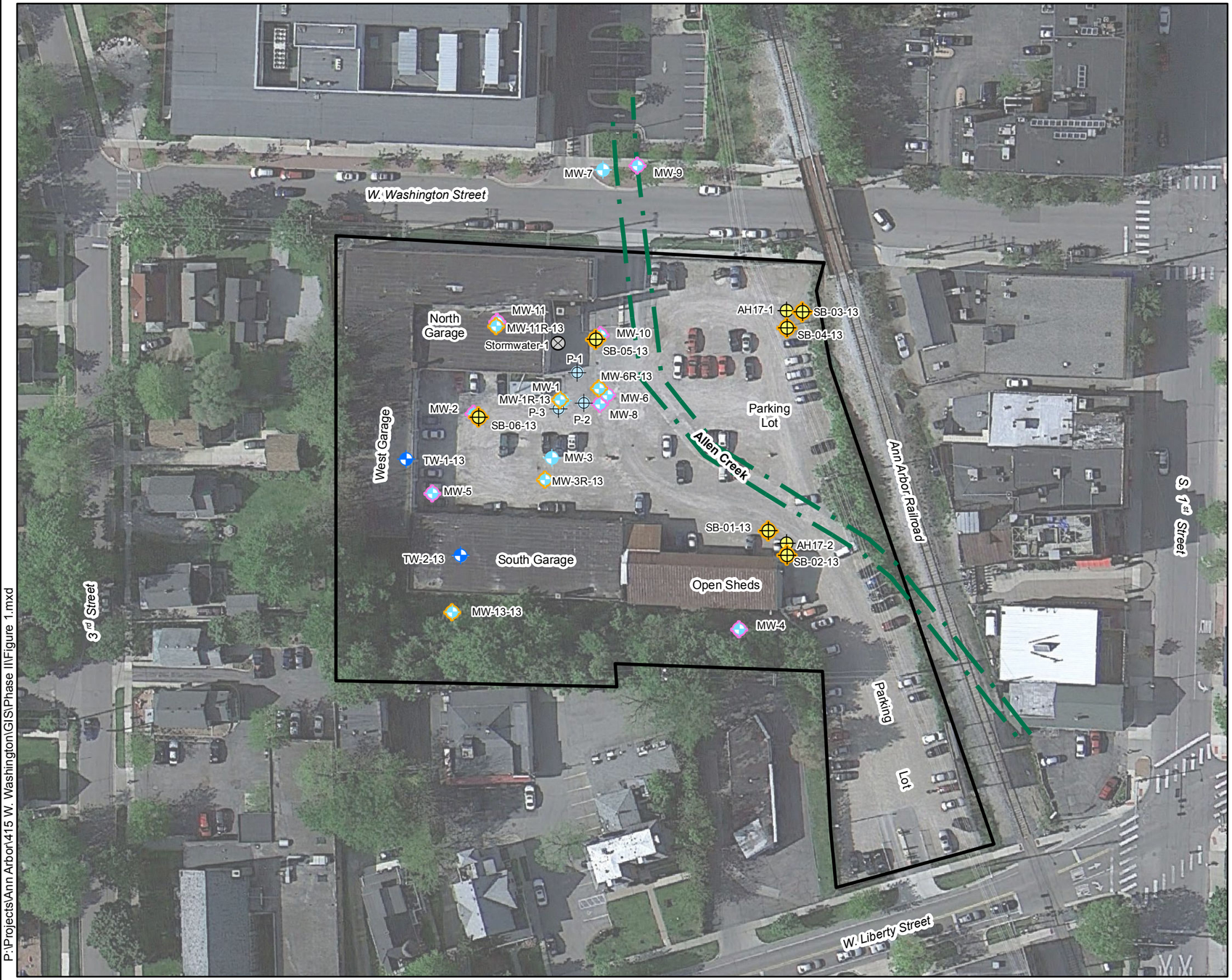
Patti McCall
Senior Geologist

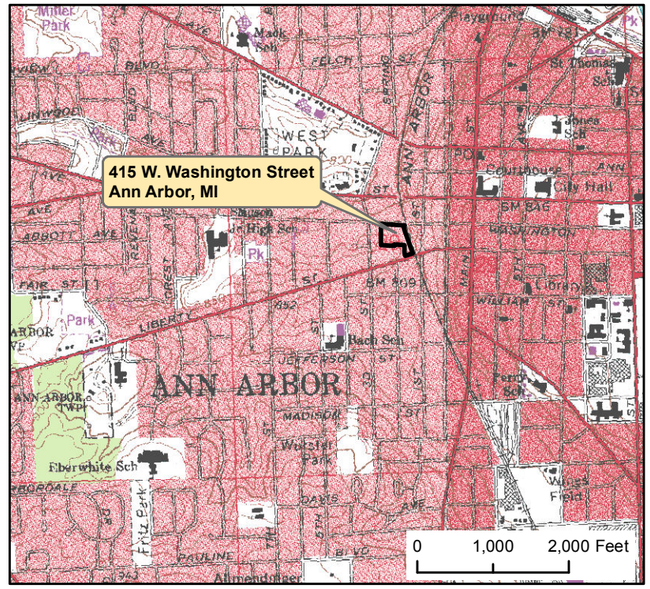
Figure 1 – Site Location and Layout Map
Figure 2 – Soil Analytical Results
Figure 3 – Groundwater Analytical Results
Figure 4 – Groundwater Elevation Contour Map

Table 1 – Soil Sample Descriptions
Table 2 – Soil Analytical Results
Table 3 – Groundwater Monitoring Well Construction and Elevation Data
Table 4 – Groundwater Analytical Results
Table 5 – Stormwater Analytical Results

Appendix A – Soil Boring and Monitoring Well Logs
Appendix B – Groundwater and Soil Laboratory Analytical Reports

FIGURES





- 2013 Monitoring Well (MW)
- Previously Existing Monitoring Well (MW)
- Temporary Monitoring Well
- Historical Monitoring Well (MW)
- Piezometer (P)
- 2013 Soil Boring
- Historical Soil Boring
- Stormwater Sample Location
- Allen Creek
- Property Boundary

MW = Monitoring Well
TW = Temporary Well
P = Piezometer
SB = Soil Boring
AH = Auger Hole

N

0 70 140 Feet

Notes:

1. Survey data for existing monitoring wells were collected by City of Ann Arbor on January 15 and 16, 2013.
2. New wells and soil borings were completed in February 2013. Survey data for new wells were collected by City of Ann Arbor on March 7, 2013.
3. Historical monitoring wells were not located during field activities and may be abandoned.
4. Location of property boundary, Allen Creek, historical wells and historical soil borings are approximate.

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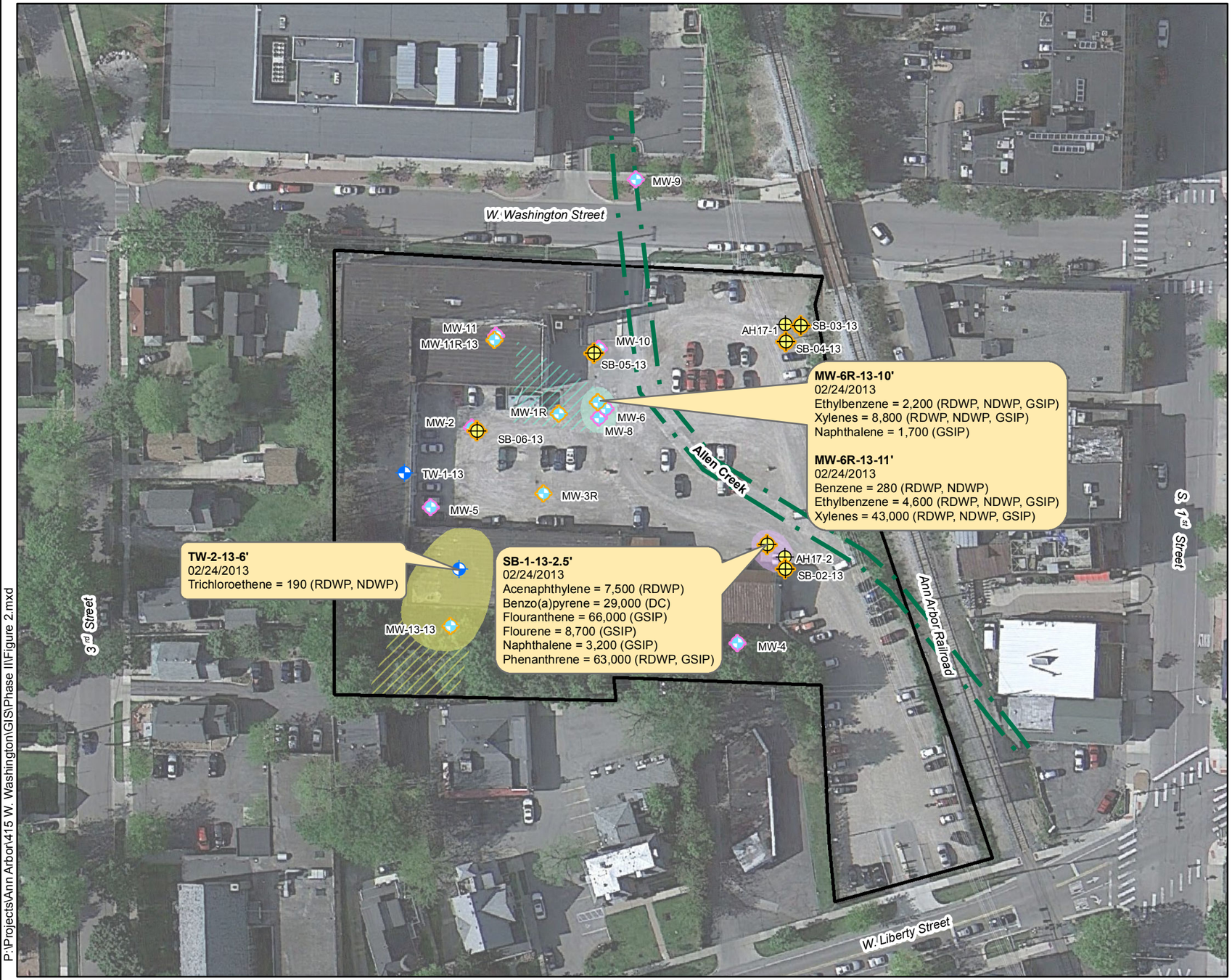
BASE MAP: MAY 2010 GOOGLE EARTH IMAGERY

ORIGINAL BY: A. RAUSS	
DATE: 04/11/2013	
REVISED BY: A. RAUSS	
DATE: 08/14/2013	

415 W. WASHINGTON STREET
PHASE II ESA
ANN ARBOR, MICHIGAN

SITE LOCATION AND LAYOUT MAP

FIGURE
1



2013 Monitoring Well (MW)
Previously Existing Monitoring Well (MW)
Temporary Monitoring Well
2013 Soil Boring
Historical Soil Boring
Approximate Area of Fuel Related Impacts
Approximate Area of TCE Related Impacts
Approximate Area of PNA Related Impacts
Areas of Potential Fuel Related Impacts
Areas of Potential TCE Related Impacts
Allen Creek
Property Boundary

Soil Result

TW-2-13-6' — Sample Name
02/24/2013 — Sample Date
Trichloroethene = 190 (RDWP, NDWP) — Exceeded Criteria
Concentration (micrograms per kilogram)
Exceeded Parameter

MW = Monitoring Well
TW = Temporary Well
SB = Soil Boring
AH = Auger Hole
PNA = Polynuclear Aromatic Hydrocarbon
TCE = Trichloroethene
RDWP = Residential Drinking Water Protection Criteria
NDWP = Nonresidential Drinking Water Protection Criteria
GSIP = Groundwater to Surface Water Interface Protection Criteria
DC = Direct Contact Criteria

Notes:

1. Soil results include concentrations that exceed Soil Part 201Generic Cleanup Criteria and Screening Levels (RBSLs), September, 2012. Explanations of criteria shown can be found in the Michigan Department of Environmental Quality Footnotes document.
2. Results are expressed in micrograms per kilogram (ug/kg).
3. Locations were not all sampled for same parameters. Refer to Laboratory Reports included in Appendix B and the summary of results provided as Table 1 for more details.
4. Location of property boundary, Allen Creek, historical wells and historical soil borings are approximate.
5. Due to lack of visual, olfactory or measurement on the PID; a soil sample was not collected from SB-2-13 and SB-4-13.
6. With the exception of historical borings AH17-1 and AH17-2, all locations were surveyed by the City of Ann Arbor in 2013.

N

0 70 140 Feet

BASE MAP: MAY 2010 GOOGLE EARTH IMAGERY

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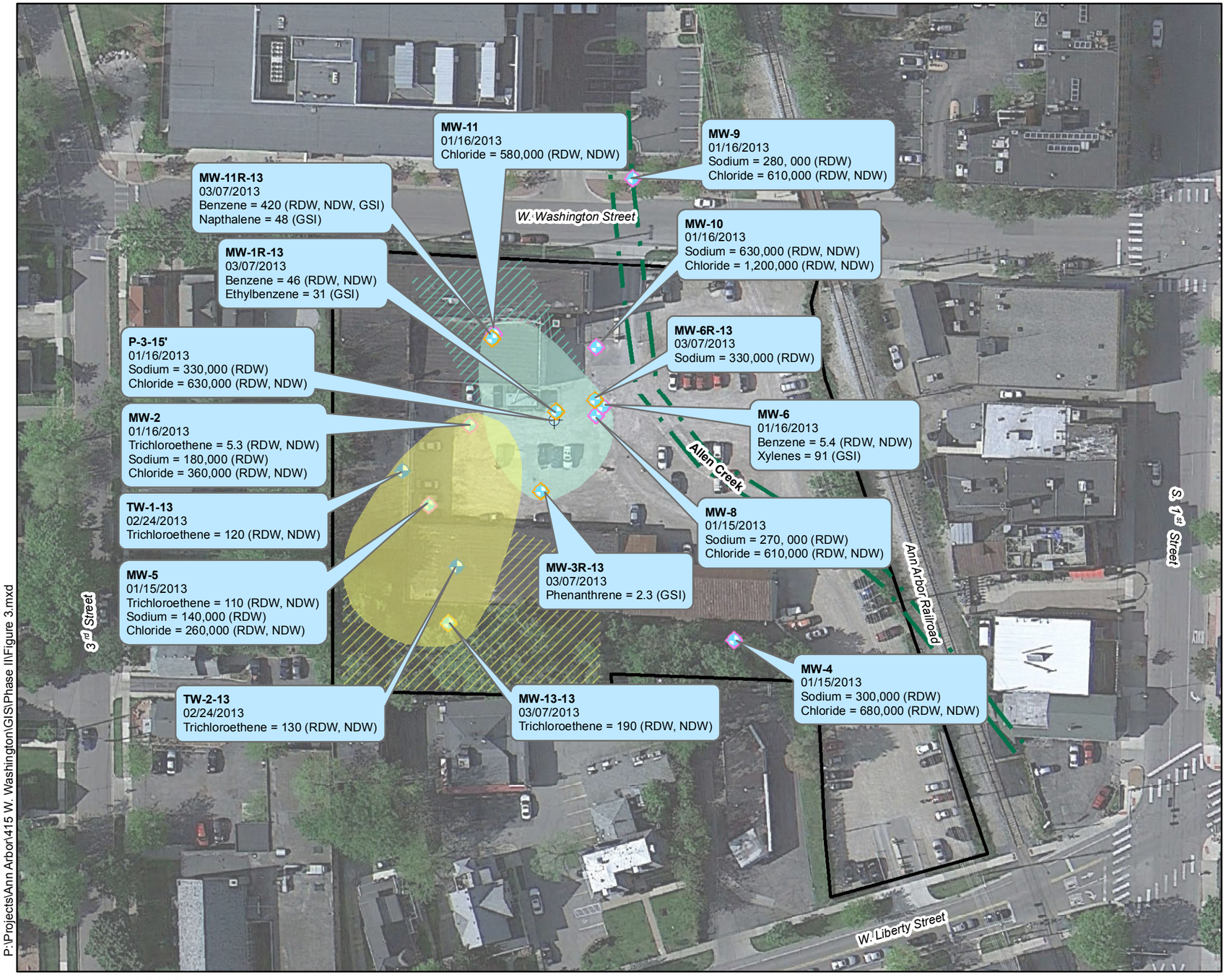
ORIGINAL BY: A. RAUSS	
DATE: 04/11/2013	
REVISED BY: A. RAUSS	
DATE: 08/15/2013	

415 W. WASHINGTON STREET
PHASE II ESA
ANN ARBOR, MICHIGAN

SOIL ANALYTICAL RESULTS

FIGURE
2



BASE MAP: MAY 2010 GOOGLE EARTH IMAGERY

P:\Projects\Ann Arbor\415 W. Washington\GIS\Phase II\Figure 3.mxd

- 2013 Monitoring Well (MW)
- Previously Existing Monitoring Well (MW)
- Temporary Monitoring Well
- Piezometer (P)
- Approximate Area of Fuel Related Impacts
- Approximate Area of TCE Related Impacts
- Areas of Potential Fuel Related Impacts
- Areas of Potential TCE Related Impacts
- Allen Creek
- Property Boundary

Groundwater Result

TW-1-13 — Sample Name
02/24/2013 — Sample Date
Trichloroethene = 120 (RDW, NDW) — Exceeded Criteria
Concentration (micrograms per liter)
Exceeded Parameter

MW = Monitoring Well
TW = Temporary Well
P = Piezometer
TCE = Trichloroethene
RDW = Residential Drinking Water Criteria
NDW = Nonresidential Drinking Water Criteria
GSI = Groundwater Surface Water Interface Criteria

Notes:

1. Groundwater results include concentrations that exceed Groundwater Residential and Nonresidential Part 201 Generic Cleanup Criteria and Screening Levels; Part 213 Tier Risk-Based Screening Levels (RBSLs), September, 2012. Explanations of criteria shown can be found in the Michigan Department of Environmental Quality Footnotes document.
2. Results are expressed in micrograms per liter (ug/L).
3. Locations were not sampled for same parameter list. Refer to Laboratory Reports included in Appendix B and the summary of results provided as Table 3 for more details.
4. The sodium and chloride impacts are not depicted graphically due to their extensive nature.
5. Location of property boundary and Allen Creek are approximate.
6. All locations surveyed by the City of Ann Arbor in 2013.

N

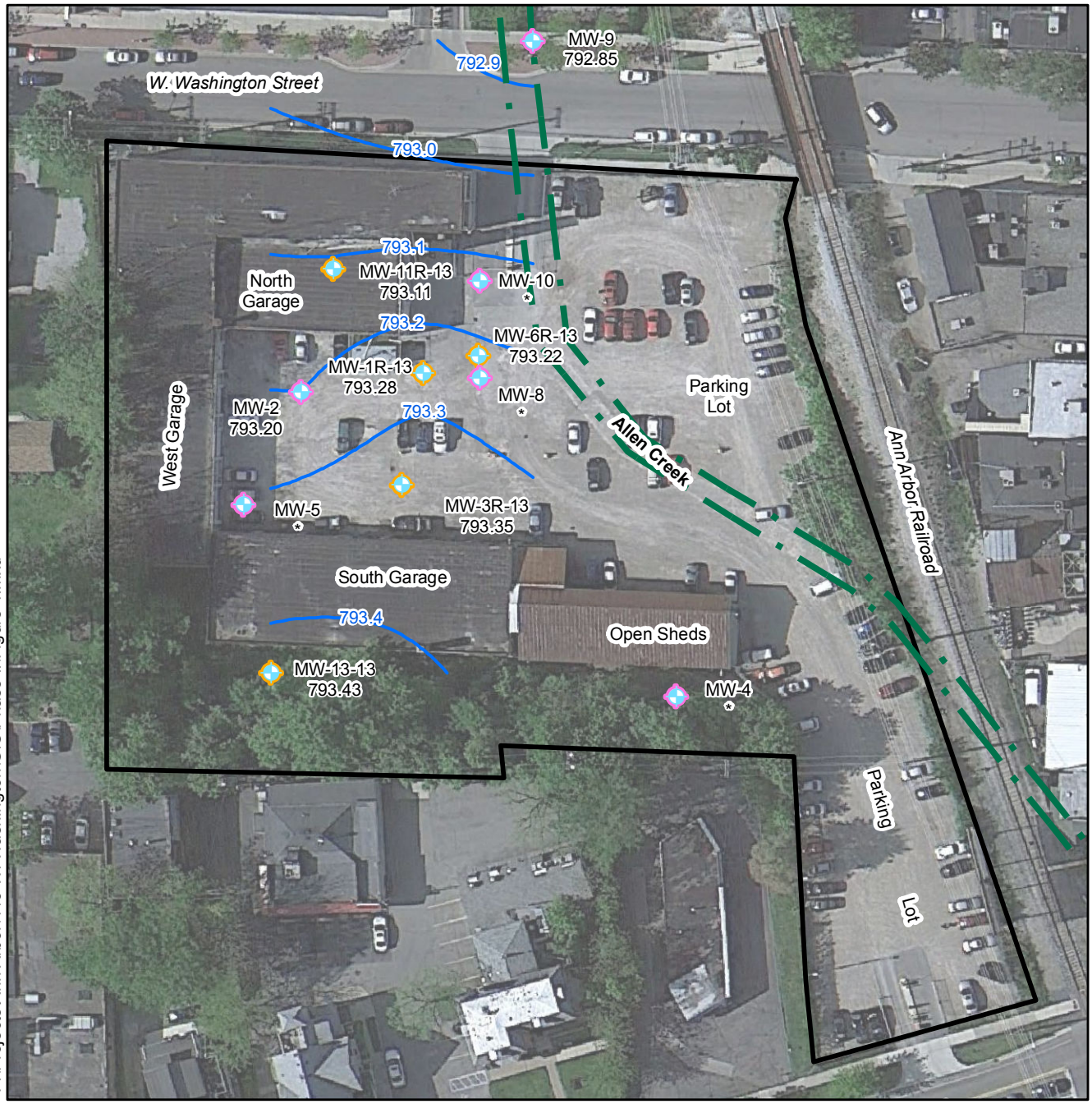
0 70 140 Feet

ORIGINAL BY: A. RAUSS	
DATE: 04/11/2013	
REVISED BY: A. RAUSS	
DATE: 08/15/2013	

415 W. WASHINGTON STREET
PHASE II ESA
ANN ARBOR, MICHIGAN

GROUNDWATER ANALYTICAL RESULTS

FIGURE 3



P:\Projects\Ann Arbor\415 W. Washington\GIS\Phase II\Figure 4.mxd

BASE MAP: MAY 2010 GOOGLE EARTH IMAGERY

- Previously Existing Monitoring Well (MW)
- 2013 Monitoring Well (MW)
- Allen Creek
- Property Boundary
- Groundwater Elevation Contour

N

0 70 140 Feet

Notes:

1. Survey data for existing monitoring wells were collected by City of Ann Arbor on January 15 and 16, 2013.
2. New wells and soil borings were completed in February 2013. Survey data for new wells were collected by City of Ann Arbor on March 7, 2013.
3. Location of property boundary and Allen Creek are approximate.
4. Contour interval is 0.1 feet.
5. Static water levels used for contouring were collected on March 7, 2013.
6. * Groundwater elevation data was not used for contouring due to screen interval depth, lack of survey data or not measured during March 2013 sampling event.

	ORIGINAL BY: A. RAUSS DATE: 04/16/2013 REVISED BY: A. RAUSS DATE: 06/24/2013	415 W. WASHINGTON STREET PHASE II ESA ANN ARBOR, MICHIGAN GROUNDWATER ELEVATION CONTOUR MAP	FIGURE 4

TABLES

Table 1
Soil Sample Descriptions
415 W. Washington Street - Phase II Environmental Site Assessment
Ann Arbor, Michigan

Sample Name	Date Collected	Sample Depth Below Ground Surface (feet)	Soil Description
MW-6R-13-10'	2/24/2013	10	Medium Sand
MW-6R-13-11'	2/24/2013	11	Peat
MW-13-13-8'	2/24/2013	8	Medium Sand
SB-1-13-2.5'	2/24/2013	2.5	Fine to Medium Sand
SB-1-13-5'	2/24/2013	5	Fine Sand and Silt
SB-3-13-5'	2/24/2013	5	Fine to Medium Sand
SB-5-13-4.5-5'	2/24/2013	4.5 - 5	Fine to Medium Sand
TW-2-13-6'	2/24/2013	6	Fine to Medium Sand

Table 2
Soil Analytical Results
415 W. Washington Street - Phase II Environmental Site Assessment
Ann Arbor, Michigan

Parameter	Method	Matrix	Units	SB-1-13-2.5'	SB-1-13-5'	SB-3-13-5'	SB-5-13-4.5-5'	TW-2-13-6'	MW-6R-13-10'	MW-6R-13-11'	MW-13-13-8'	#10 Statewide Default Background Levels	#11 Residential Drinking Water Protection Criteria & RBSLs	#21 Non-residential Drinking Water Protection Criteria & RBSLs	#12 Groundwater Surface Water Interface Protection Criteria & RBSLs	#13 Groundwater Contact Protection Criteria & RBSLs	#22 Soil Volatilization to Indoor Air Inhalation Criteria & RBSLs	#23 Infinite Source Volatile Soil Inhalation Criteria (VSIC) & RBSLs	#24 Finite VSIC for 5 Meter Source Thickness	#25 Finite VSIC for 2 Meter Source Thickness	#26 Particulate Soil Inhalation Criteria & RBSLs	#27 Direct Contact Criteria & RBSLs	#20 Soil Saturation Concentration Screening Levels
				02/24/13	02/24/13	02/24/13	02/24/13	02/24/13	02/24/13	02/24/13	02/24/13												
Volatile Organic Compounds - Method EPA 8260																							
Acetone	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	84000	2.4E+05	(G)	6.5E+8 (C)	NLV	NLV	NLV	NLV	7.4E+09	4.2E+08	6.5E+08
Benzene	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	**280 J**	ND	NA	100	100	4,000 (X)	2.2E+05	8400	45000	99000	2.3E+05	4.7E+08	4.0E+5 (C)	4.0E+05
Bromodichloromethane	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	1,600 (W)	1,600 (W)	ID	2.8E+05	6400	31000	31000	57000	1.1E+08	4.9E+05	1.5E+06
Bromoform	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	1,600 (W)	1,600 (W)	ID	8.7E+5 (C)	7.7E+05	3.1E+06	3.1E+06	3.1E+06	3.6E+09	8.7E+5 (C)	8.7E+05
Bromomethane	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	200	580	700	1.4E+06	1600	13000	57000	1.4E+05	1.5E+08	1.0E+06	2.2E+06
2-Butanone (MEK)	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	2.6E+05	7.6E+05	44000	2.7E+7 (C)	2.7E+7 (C)	3.5E+07	3.5E+07	3.6E+07	2.9E+10	2.7E+7 (C,DD)	2.7E+07
Carbon disulfide	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	16000	46000	ID	2.8E+5 (C)	1.4E+05	1.6E+06	8.0E+06	1.9E+07	2.1E+10	2.8E+5 (C,DD)	2.8E+05
Carbon tetrachloride	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	100	100	900 (X)	92000	990	12000	34000	79000	1.7E+08	3.9E+5 (C)	3.9E+05
Chlorobenzene	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	2000	2000	500	2.6E+5 (C)	2.2E+05	9.2E+05	1.1E+06	2.1E+06	2.1E+09	2.6E+5 (C)	2.6E+05
Chloroethane	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	8600	34000	22,000 (X)	9.5E+5 (C)	9.5E+5 (C)	3.6E+07	1.2E+08	2.8E+08	2.9E+11	9.5E+5 (C)	9.5E+05
Chloroform	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	1,600 (W)	1,600 (W)	7000	1.5E+6 (C)	38000	1.5E+05	3.4E+05	7.9E+05	1.6E+09	1.5E+6 (C)	1.5E+06
Chloromethane	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	5200	22000	ID	1.1E+6 (C)	10000	1.2E+05	1.0E+06	2.5E+06	2.6E+09	1.1E+6 (C)	1.1E+06
Cyclohexane	EPA 8261	Solid	ug/kg	ND	ND	ND	ND	ND	**7,200 J**	**1,700 J**	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dibromo-3-chloropropane	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	10 (M); 4.0	10 (M); 4.0	ID	1,200 (C)	1,200 (C)	15000	15000	15000	5.9E+06	1,200 (C)	1200
Dibromochloromethane	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	1,600 (W)	1,600 (W)	ID	3.6E+05	21000	80000	80000	98000	1.6E+08	5.0E+05	6.1E+05
1,2-Dibromoethane (EDB)	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	20 (M); 1.0	20 (M); 1.0	110 (X)	500	3600	5800	5800	9800	1.8E+07	4.3E+02	8.9E+05
1,2-Dichlorobenzene	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	14000	14000	280	2.1E+5 (C)	2.1E+5 (C)	4.6E+07	4.6E+07	5.5E+07	4.4E+10	2.1E+5 (C)	2.1E+05
1,3-Dichlorobenzene	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	170	480	680	51000	48000	94000	94000	1.1E+05	8.8E+07	1.7E+5 (C)	1.7E+05
1,4-Dichlorobenzene	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	1700	1700	360	1.4E+05	1.0E+05	2.6E+05	2.6E+05	3.4E+05	5.7E+08	1.9E+06	NA
Dichlorodifluoromethane	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	95000	2.7E+05	ID	1.0E+6 (C)	1.7E+06	6.3E+07	5.5E+08	1.4E+09	1.5E+12	1.0E+6 (C)	1.0E+06
1,1-Dichloroethane	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	18000	50000	15000	8.9E+5 (C)	4.3E+05	2.5E+06	6.0E+06	1.4E+07	1.5E+10	8.9E+5 (C)	8.9E+05
1,2-Dichloroethane	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	100	100	7,200 (X)	3.8E+05	11000	21000	33000	74000	1.5E+08	4.2E+05	1.2E+06
1,1-Dichloroethene	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	140	140	2600	2.2E+05	330	3700	15000	37000	7.8E+07	5.7E+5 (C)	5.7E+05
cis-1,2-Dichloroethene	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	1400	1400	12000	6.4E+5 (C)	41000	2.1E+05	4.3E+05	1.0E+06	1.0E+09	6.4E+5 (C)	6.4E+05
trans-1,2-Dichloroethene	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	2000	2000	30,000 (X)	1.4E+6 (C)	43000	3.3E+05	8.4E+05	2.0E+06	2.1E+09	1.4E+6 (C)	1.4E+06
1,2-Dichloropropane	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	100	100	4,600 (X)	3.2E+05	7400	30000	51000	1.2E+05	1.2E+08	5.5E+5 (C)	5.5E+05
cis-1,3-Dichloropropene	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
trans-1,3-Dichloropropene	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Ethylbenzene	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	**2,200**	**4,600**	ND	NA	1500	1500	360	1.4E+5 (C)	1.4E+5 (C)	2.4E+06	3.1E+06	6.5E+06	1.3E+10	1.4E+5 (C)	1.4E+05
2-Hexanone	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	20000	58000	ID	2.5E+6 (C)	1.8E+06	1.3E+06	1.3E+06	1.5E+06	1.2E+09	2.5E+6 (C)	2.5E+06
Isopropylbenzene (Cumene)	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	**1,800 J**	**1,500**	ND	NA	91000	2.6E+05	3200	3.9E+5 (C)	3.9E+5 (C)	2.0E+06	2.0E+06	3.0E+06	2.6E+09	3.9E+5 (C)	3.9E+05
Methyl Acetate	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	**410 J**	ND	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC
Methylcyclohexane	EPA 8262	Solid	ug/kg	ND	ND	ND	ND	ND	**44,000 B**	**16,000 B**	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	100	100	30,000 (X)	2.3E+6 (C)	2.4E+05	7.0E+05	1.7E+06	4.0E+06	8.3E+09	2.3E+6 (C)	2.3E+06
4-Methyl-2-pentanone (MIBK)	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	36000	1.0E+05	ID	2.7E+6 (C)	2.7E+6 (C)	5.3E+07	5.3E+07	7.0E+07	6.0E+10	2.7E+6 (C)	2.7E+06
Methyl-tert-butyl ether	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	800	800	1.4E+5 (X)	5.9E+6 (C)	5.9E+6 (C)	3.0E+07	4.1E+07	8.9E+07	8.8E+10	5.9E+6 (C)	5.9E+06
Styrene	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	2700	2700	2,100 (X)	2.7E+05	5.2E+5 (C)	3.3E+06	3.3E+06	4.2E+06	6.9E+09	5.2E+5 (C)	5.2E+05
1,1,2,2-Tetrachloroethane	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	170	700	1,600 (X)	94000	23000	34000	34000	34000	6.8E+07	2.4E+05	8.7E+05
Tetrachloroethene	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	**68**	ND	ND	ND	NA	100	100	1,200 (X)	88,000 (C)	60000	6.0E+05	1.4E+06	3.3E+06	6.8E+09	88,000 (C)	88000
Toluene	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	**580 J**	ND	NA	16000	16000	5400	2.5E+5 (C)	2.5E+5 (C)	3.3E+06	3.6E+07	3.6E+07	1.2E+10	2.5E+5 (C)	2.5E+05
1,2,4-Trichlorobenzene	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	4200	4200	5,900 (X)	1.1E+6 (C)	1.1E+6 (C)	3.4E+07	3.4E+07	3.4E+07	1.1E+10	1.1E+6 (C,DD)	1.1E+06
1,1,1-Trichloroethane	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	4000	4000	1800	4.6E+5 (C)	4.6E+05	4.5E+06	1.5E+07	3.1E+07	2.9E+10	4.6E+5 (C)	4.6E+05
1,1,2-Trichloroethane	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	100	100	6,600 (X)	4.2E+05	24000	57000	57000	1.2E+05	2.5E+08	8.4E+05	9.2E+05
Trichloroethene	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	**190**	ND	ND	**40 J**	NA	100	100	4,000 (X)	4.4E+05	37000	2.6E+05	4.4E+05	1.1E+06	2.3E+09	5.0E+5 (C,DD)	5.0E+05
Trichlorofluoromethane	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	52000	1.5E+05	NA	5.6E+5 (C)	5.6E+5 (C)	1.1E+08	1.4E+11	1.4E+11	1.7E+12	5.6E+5 (C)	5.6E+05
1,1,2-Trichlo-1,2,2-Trifluoroethane	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	5.5E+5 (C)	5.5E+5 (C)	1700	5.5E+5 (C)	5.5E+5 (C)	2.1E+08	8.9E+08	2.1E+09	2.3E+12	5.5E+5 (C)	5.5E+05
Vinyl chloride	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	ND	ND	ND	NA	40	40	260 (X)	20000	2800	29000	1.7E+05	4.2E+05	8.9E+08	34000	4.9E+05
Xylenes (Total)	EPA 8260	Solid	ug/kg	ND	ND	ND	ND	ND	**8,800**	**43,000**	ND	NA	5600	5600	820	1.5E+5 (C)	1.5E+5 (C)	5.4E+07	6.5E+07	1.3E+08	1.3E+11	1.5E+5 (C)	1.5E+05

Table 2
Soil Analytical Results
415 W. Washington Street - Phase II Environmental Site Assessment
Ann Arbor, Michigan

Parameter	Method	Matrix	Units	SB-1-13-2.5'	SB-1-13-5'	SB-3-13-5'	SB-5-13-4.5-5'	TW-2-13-6'	MW-6R-13-10'	MW-6R-13-11'	MW-13-13-8'	#10 Statewide Default Background Levels	#11 Residential Drinking Water Protection Criteria & RBSLs	#21 Non-residential Drinking Water Protection Criteria & RBSLs	#12 Groundwater Surface Water Interface Protection Criteria & RBSLs	#13 Groundwater Contact Protection Criteria & RBSLs	#22 Soil Volatilization to Indoor Air Inhalation Criteria & RBSLs	#23 Infinite Source Volatile Soil Inhalation Criteria (VSIC) & RBSLs	#24 Finite VSIC for 5 Meter Source Thickness	#25 Finite VSIC for 2 Meter Source Thickness	#26 Particulate Soil Inhalation Criteria & RBSLs	#27 Direct Contact Criteria & RBSLs	#20 Soil Saturation Concentration Screening Levels
				02/24/13	02/24/13	02/24/13	02/24/13	02/24/13	02/24/13	02/24/13	02/24/13												
Polynuclear Aromatic Hydrocarbons - Analytic Method EPA 8270																							
Acenaphthene	EPA 8270	Solid	ug/kg	**1,400 J**	ND	ND	ND	NA	**32 J**	NA	NA	NA	3.0E+05	8.8E+05	8700	9.7E+05	3.5E+08	9.7E+07	9.7E+07	9.7E+07	6.2E+09	1.3E+08	NA
Acenaphthylene	EPA 8270	Solid	ug/kg	**7,500 J**	**10 J**	ND	ND	NA	ND	NA	NA	NA	5900	17000	ID	4.4E+05	3.0E+06	2.7E+06	2.7E+06	2.7E+06	1.0E+09	5.2E+06	NA
Anthracene	EPA 8270	Solid	ug/kg	**19,000**	**17 J**	ND	**15 J**	NA	**16 J**	NA	NA	NA	41000	41000	ID	41000	1.0E+9 (D)	1.6E+09	1.6E+09	1.6E+09	2.9E+10	7.3E+08	NA
Benzo(a)anthracene	EPA 8270	Solid	ug/kg	**33,000**	**58 J**	ND	**61 J**	NA	**27 J**	NA	NA	NA	NLL	NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	80000	NA
Benzo(a)pyrene	EPA 8270	Solid	ug/kg	**29,000**	**56 J**	**9.9 J**	**89 J**	NA	**16 J**	NA	NA	NA	NLL	NLL	NLL	NLL	NLV	NLV	NLV	NLV	1.9E+06	8000	NA
Benzo(b)fluoranthene	EPA 8270	Solid	ug/kg	**35,000**	**89 J**	**20 J**	**120 J**	NA	**16 J**	NA	NA	NA	NLL	NLL	NLL	NLL	ID	ID	ID	ID	ID	80000	NA
Benzo(g,h,i)perylene	EPA 8270	Solid	ug/kg	**10,000 J**	**41 J**	**18 J**	**58 J**	NA	**11 J**	NA	NA	NA	NLL	NLL	NLL	NLL	NLV	NLV	NLV	NLV	3.5E+08	7.0E+06	NA
Benzo(k)fluoranthene	EPA 8270	Solid	ug/kg	**13,000 J**	**19 J**	**6.9 J**	**69 J**	NA	**7.7 J**	NA	NA	NA	NLL	NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	8.0E+05	NA
Chrysene	EPA 8270	Solid	ug/kg	**30,000**	**59 J**	ND	**94 J**	NA	**21 J**	NA	NA	NA	NLL	NLL	NLL	NLL	ID	ID	ID	ID	ID	8.0E+06	NA
Dibenz(a,h)anthracene	EPA 8270	Solid	ug/kg	**3,800 J**	ND	ND	ND	NA	ND	NA	NA	NA	NLL	NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	8000	NA
Fluoranthene	EPA 8270	Solid	ug/kg	**66,000**	**100 J**	**11 J**	**95 J**	NA	**48 J**	NA	NA	NA	7.3E+05	7.3E+05	5500	7.3E+05	1.0E+9 (D)	8.9E+08	8.8E+08	8.8E+08	4.1E+09	1.3E+08	NA
Fluorene	EPA 8270	Solid	ug/kg	**8,700 J**	**7.1 J**	ND	ND	NA	**22 J**	NA	NA	NA	3.9E+05	8.9E+05	5300	8.9E+05	1.0E+9 (D)	1.5E+08	1.5E+08	1.5E+08	4.1E+09	8.7E+07	NA
Indeno(1,2,3-cd)pyrene	EPA 8270	Solid	ug/kg	**12,000 J**	**33 J**	**12 J**	ND	NA	**6.3 J**	NA	NA	NA	NLL	NLL	NLL	NLL	NLV	NLV	NLV	NLV	ID	80000	NA
2-Methylnaphthalene	EPA 8270	Solid	ug/kg	**2,500 J**	**6.7 J**	ND	**12 J**	NA	**3,600**	NA	NA	NA	57000	1.7E+05	4200	5.5E+06	4.9E+06	1.8E+06	1.8E+06	1.8E+06	2.9E+08	2.6E+07	NA
Naphthalene	EPA 8270	Solid	ug/kg	**3,200 J**	**11 J**	ND	ND	NA	**1,700**	NA	NA	NA	35000	1.0E+05	730	2.1E+06	4.7E+05	3.5E+05	3.5E+05	3.5E+05	8.8E+07	5.2E+07	NA
Phenanthrene	EPA 8270	Solid	ug/kg	**63,000**	**63 J**	ND	**42 J**	NA	**48 J**	NA	NA	NA	56000	1.6E+05	2100	1.1E+06	5.1E+06	1.9E+05	1.9E+05	1.9E+05	2.9E+06	5.2E+06	NA
Pyrene	EPA 8270	Solid	ug/kg	**52,000**	**86 J**	**9.5 J**	**95 J**	NA	**41 J**	NA	NA	NA	4.8E+05	4.8E+05	ID	4.8E+05	1.0E+9 (D)	7.8E+08	7.8E+08	7.8E+08	2.9E+09	8.4E+07	NA

NA = not applicable
ug/L & ug/kg = micrograms per liter and micrograms per kilogram
mg/L & mg/kg = milligrams per liter and milligrams per kilogram
EPA = Environmental Protection Agency

ND = non-detect
NLL = not likely to leach
NLV = not likely to volatilize
RBSLs = risk based screening levels

NC = no criteria for the State of Michigan
C = meets cleanup criteria if free phase material is not present
D= calculated criterion exceeds 100 percent

J = result is less than the RL but greater than the MDL and the concentration is an approximate value
ID = insufficient data to develop criteria
M = calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit

Bold = indicates a value above the method detection limit

parameter exceeds criteria

parameters detected above the reporting limit and below criteria

Notes:

Table refects analytical data comparison to Soil: Residential Part 201 Generic Cleanup Criteria and creening Levels; Part 213 Tier I Risk Based Screening Levels, September 2012.
Number following sample identification indicates sample depth.
Explanations of criteria shown in this table can be found in the Michigan Department of Environmental Quality footnotes document.
For dilution factors, see Laboratory Analytical Reports in Appendix B.

Table 3
Groundwater Monitoring Well Construction and Elevation Data
415 W. Washington Street - Phase II Environmental Site Assessment
Ann Arbor, Michigan

Well	Date Installed	Top of Casing Elevation (feet amsl)	Depth to Water January 15, 2013 (feet)	Total Well Depth January 2013 (feet)	Depth to Water February 2013 (feet)	Depth to Water March 2013 (feet)	March 2013 Groundwater Elevations (feet amsl)	Total Well Depth Boring Log (feet)	Screen Interval (feet)
MW-1	*3/27/1992*	*NM*	*NM*	*NM*	*NM*	*NM*	*NM*	*12*	*7-12*
MW-2	3/27/1992	798.65	5.37	11.64	NM	5.45	793.20	13	8-13
MW-3	*3/27/1992*	*NM*	*NM*	*NM*	*NM*	*NM*	*NM*	*12*	*7-12*
MW-4	6/1/1992	801.62	8.70	14.37	NM	7.96	793.66	14	9-14
MW-5	6/1/1992	798.73	5.37	9.67	NM	5.45	793.28	10	5-10
MW-6/AH-1	6/16/1992	NM	5.81	9.88	NM	NM	NM	10	6-10
MW-7	*7/20/1992*	*NM*	*NM*	*NM*	*NM*	*NM*	*NM*	*14*	*9-14*
MW-8	3/15/1993	798.86	5.57	19.72	NM	5.66	793.20	20	15-20
MW-9	3/18/1993	798.30	5.37	13.36	NM	5.45	792.85	14	9-14
MW-10	11/10/1993	NM	5.02	7.09	NM	NM	NM	9	4-9
MW-11	11/10/1993	NM	5.47	6.31	NM	NM	NM	9.5	4.5-9.5
P-1-5'	4/7/1995	NM	dry	4.44	NM	NM	NM	5	4-5
P-1-10'	4/7/1995	NM	5.37	9.85	NM	NM	NM	10	8-10
P-1-15'	4/7/1995	NM	5.35	14.82	NM	NM	NM	15	13-15
P-1-20'	4/7/1995	NM	5.29	19.41	NM	NM	NM	20	17-19
P-2-5'	4/11/1995	NM	4.10	4.50	NM	NM	NM	5	4-5
P-2-10'	4/11/1995	NM	5.43	9.38	NM	NM	NM	10	8-10
P-2-15'	4/11/1995	NM	5.44	14.81	NM	NM	NM	15	13-15
P-2-20'	4/11/1995	NM	5.46	19.02	NM	NM	NM	20	17-19
P-3-5'	4/12/1995	NM	dry	3.50	NM	NM	NM	5	4-5
P-3-10'	4/12/1995	NM	4.79	8.00	NM	NM	NM	10	8-10
P-3-15'	4/12/1995	NM	5.12	12.49	NM	NM	NM	15	13-15
P-3-20'	4/12/1995	NM	5.02	19.22	NM	NM	NM	20	17-19
TW-1-13	2/24/2013	NM	NA	NA	5.80	NA	NM	12	7-12
TW-2-13	2/24/2013	NM	NA	NA	5.83	NA	NM	12	7-12
MW-1R-13	2/24/2013	798.58	NA	NA	NM	5.30	793.28	12	7-12
MW-3R-13	2/24/2013	799.20	NA	NA	NM	5.85	793.35	11	6-11
MW-6R-13	2/24/2013	798.86	NA	NA	NM	5.64	793.22	14	9-14
MW-11R-13	2/24/2013	798.55	NA	NA	NM	5.44	793.11	14	9-14
MW-13-13	2/24/2013	799.28	NA	NA	NM	5.85	793.43	11	6-11

Notes:
MW = monitoring well
P = piezometer
TW = temporary monitoring well
NA = not applicable
NM = not measured
italics = monitoring wells were not located.
The static water level and total depth were measured on January 16, 2013 for MW-2.

Table 4
Groundwater Analytical Results
415 W. Washington Street - Phase II Environmental Site Assessment
Ann Arbor, Michigan

Parameter	Method	Matrix	Units	MW-1R-13 (7-12')	MW-2 (8-13')	MW-3R-13 (6-11')	MW-4 (9-14')	MW-5 (5-10')	MW-6 (6-10')	MW-6R-13 (9-14')	MW-8 (15-20')	MW-8 (15-20')	MW-9 (9-14')	MW-10 (4-9')	MW-11 (4.5-9.5')	MW-11R-13 (9-14')	MW-13-13 (6-11')	P-3-15' (13-15')	TW-1-13 (7-12')	TW-2-13 (7-12')	#1 Residential Drinking Water Criteria & RBSLs	#2 Non-Residential Drinking Water Criteria & RBSLs	#3 Groundwater Surface Water Interface Criteria & RBSLs	#4 Residential Groundwater Volatilization to Indoor Air Inhalation Criteria & RBSLs	#6 Groundwater Contact Criteria & RBSLs	#7 Water Solubility	#8 Flammability and Explosivity Screening Level	#9 Acute Inhalation Screening Level
				03/07/13	01/16/13	03/07/13	01/15/13	01/15/13	01/16/13	03/07/13	01/15/13	03/07/13	01/16/13	01/16/13	01/16/13	03/07/13	03/07/13	01/16/13	02/24/13	02/24/13									
Field Parameters																												
Temperature	---	Water	^{0}C	5.56	10.26	6.81	11.84	8.46	8.82	7.95	11.12	8.70	8.55	7.50	7.42	10.64	9.46	11.10	7.95	9.44	NA	NA	NA	NA	NA	NA	NA	NA
pH	---	Water	S.U.	8.00	7.09	8.02	6.83	7.22	7.37	7.70	6.89	7.69	7.21	8.28	8.89	7.68	7.82	6.86	7.75	7.77	NA	NA	NA	NA	NA	NA	NA	NA
Specific Conductivity	---	Water	mS/cm	4.08	1.64	2.75	2.65	1.315	14.12	2.54	2.62	2.67	2.56	3.87	5.96	1.71	1.53	2.67	1.33	1.51	NA	NA	NA	NA	NA	NA	NA	NA
Redox	---	Water	mV	-167	57	-238	-108	164	118	-182	30	-66	-131	-72	27	-150	-68	49	51	87	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Oxygen	---	Water	mg/L	0.15	1.68	0.36	0.33	3.11	11.95	0.18	0.34	0.19	0.44	1.41	10.50	0.13	5.83	0.70	3.09	3.24	NA	NA	NA	NA	NA	NA	NA	NA
Turbidity	---	Water	NTU	42.0	109	35.1	8.8	1.0	43.6	20.0	14.5	46.8	65.8	97.6	5,200	48.1	36.6	810	139	92.0	NA	NA	NA	NA	NA	NA	NA	NA
Volatile Organic Compounds - Analytical Method: EPA 8260B																												
Acetone (I)	EPA 8260B	Water	ug/L	ND	ND	ND	ND	**4.0 J**	**46**	ND	ND	NT	ND	ND	**1.5 J**	ND	ND	ND	ND	ND	730	2100	1700	1.0E+9 (D,S)	3.1E+07	1.00E+09	15,000,000	1.0E+09 (D)
Benzene (I)	EPA 8260B	Water	ug/L	**46**	ND	ND	ND	ND	**5.4**	ND	ND	NT	ND	ND	ND	**420**	ND	ND	ND	ND	5.0 (A)	5.0 (A)	200 (X)	5600	11000	1.75E+06	68,000	67000
Bromodichloromethane	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	80 (A,W)	80 (A,W)	ID	4800	14000	6.74E+06	ID	ID
Bromoform	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	80 (A,W)	80 (A,W)	ID	4.7E+05	1.4E+05	3.10E+06	ID	ID
Bromomethane	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	10	29	35	4000	70000	1.45E+07	ID	ID
2-Butanone (MEK) (I)	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	**7.1 J**	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	13000	38000	2200	2.4E+08 (S)	2.4E+08 (S)	2.40E+08	ID	2.4E+08 (S)
Carbon disulfide (I,R)	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	**0.13 J**	ND	ND	NT	ND	ND	**0.22 J**	ND	ND	ND	ND	ND	800	2300	ID	2.5E+05	1.2E+06 (S)	1.19E+06	13,000	ID
Carbon tetrachloride	EPA 8260B	Water	ug/L	ND	ND	ND	ND	**0.62 J**	ND	ND	ND	NT	ND	ND	ND	ND	**1.6 J**	ND	**0.98 J**	**0.83 J**	5.0 (A)	5.0 (A)	45 (X)	370	4600	7.93E+05	ID	96000
Chlorobenzene (I)	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	100 (A)	100 (A)	25	2.1E+05	86000	4.72E+05	160,000	ID
Chloroethane	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	430	1700	1,100 (X)	5.7E+06 (S)	4.4E+05	5.74E+06	110,000	ID
Chloroform	EPA 8260B	Water	ug/L	ND	**0.23 J**	ND	ND	**3.2 J**	ND	ND	ND	NT	ND	ND	ND	ND	**7.4**	ND	**3.1 J**	**2.3 J**	80 (A,W)	80 (A,W)	350	28000	1.5E+05	7.92E+06	ID	ID
Chloromethane (I)	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	260	1100	ID	8600	4.9E+05	6.34E+06	36,000	210000
Cyclohexane	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	**9.5**	**21**	ND	NT	ND	**0.20 J**	ND	**38**	ND	ND	ND	ND	33000	94,000	NA	1500	2.3E+07 (S)	2.30E+07	NA	ID
1,2-Dibromo-3-chloropropane	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	0.2 (A)	0.2 (A)	ID	220	390	1.23E+03	NA	ID
Dibromochloromethane	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	80 (A,W)	80 (A,W)	ID	14000	18000	4.20E+06	ID	ID
1,2-Dibromoethane (EDB)	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	0.05 (A)	0.05 (A)	5.7 (X)	2400	25	2.60E+06	NC	NC
1,2-Dichlorobenzene	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	600 (A)	600 (A)	13	1.6E+5 (S)	1.6E+05 (S)	1.56E+05	NA	1.6E+05 (S)
1,3-Dichlorobenzene	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	6.6	19	28	18000	2000	1.11E+05	ID	ID
1,4-Dichlorobenzene	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	75 (A)	75 (A)	17	16000	6400	7.38E+04	NA	ID
Dichlorodifluoromethane	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	1700	4800	ID	2.2E+05	3.0E+05 (S)	3.00E+05	ID	ID
1,1-Dichloroethane	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	880	2500	740	1.0E+06	2.4E+06	5.06E+06	380,000	ID
1,2-Dichloroethane (I)	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	5.0 (A)	5.0 (A)	360 (X)	9600	19000	8.52E+06	2,500,000	ID
1,1-Dichloroethene (I)	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	7.0 (A)	7.0 (A)	130	200	11000	2.25E+06	97,000	140000
cis-1,2-Dichloroethene	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	70 (A)	70 (A)	620	93000	2.0E+05	3.50E+06	530,000	ID
trans-1,2-Dichloroethene	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	100 (A)	100 (A)	1,500 (X)	85000	2.2E+05	6.30E+06	230,000	ID
1,2-Dichloropropane (I)	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	5.0 (A)	5.0 (A)	230 (X)	16000	16000	2.80E+06	550,000	2.8E+06 (S)
cis-1,3-Dichloropropene	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC
trans-1,3-Dichloropropene	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC
Ethylbenzene (I)	EPA 8260B	Water	ug/L	**31**	ND	ND	ND	ND	**17**	**12**	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	74 (E)	74 (E)	18	1.1E+05	1.7E+05 (S)	1.69E+05	43,000	1.7E+05 (S)
2-Hexanone	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	1000	2900	ID	4.2E+06	5.2E+06	1.60E+07	NA	ID
Isopropylbenzene	EPA 8260B	Water	ug/L	**11**	ND	**0.18 J**	ND	ND	**1.9**	**2.8**	ND	NT	ND	ND	ND	**24**	ND	ND	ND	ND	800	2300	28	56,000 (S)	56,000 (S)	5.60E+04	29,000	ID
Methyl acetate	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC
Methylcyclohexane	EPA 8260B	Water	ug/L	**8.2**	ND	ND	ND	ND	**29**	**56**	ND	NT	ND	**0.19 J**	ND	**12 J**	ND	ND	ND	ND	NC	NC	NC	NC	NC	NC	NC	NC
Methylene chloride	EPA 8260B	Water	ug/L	**4.0 J**	ND	ND	ND	ND	ND	**1.6 J**	ND	NT	ND	ND	ND	**20 J**	**3.5 J**	ND	ND	ND	5.0 (A)	5.0 (A)	1,500 (X)	2.2E+05	2.2E+05	1.70E+07	ID	ID
4-Methyl-2-pentanone (MIBK) (I)	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	**3.2 J**	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	1800	5200	ID	2.0E+07 (S)	1.3E+07	2.00E+07	ID	2.0E+07 (S)
Methyl-tert-butyl ether (MTBE)	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	40 (E)	40 (E)	7,100 (X)	4.7E+07 (S)	6.1E+05	4.68E+07	ID	ID
Styrene	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	100 (A)	100 (A)	80 (X)	1.7E+05	9700	3.10E+05	140,000	3.1E+05 (S)
1,1,2,2-Tetrachloroethane	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	8.5	35	78 (X)	12000	4700	2.97E+06	ID	ID
Tetrachloroethene	EPA 8260B	Water	ug/L	ND	**1.1**	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	5.0 (A)	5.0 (A)	60 (X)	25000	12000	2.00E+05	ID	2.0E+05 (S)
Toluene (I)	EPA 8260B	Water	ug/L	**1.0 J**	ND	ND	ND	ND	**2.2**	**1.4**	ND	NT	ND	ND	ND	**4.1 J**	ND	ND	ND	ND	790 (E)	790 (E)	270	5.3E+05 (S)	5.3E+05 (S)	5.26E+05	61,000	ID
1,2,4-Trichlorobenzene	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	70 (A)	70 (A)	99 (X)	3.0E+05 (S)	19000	3.00E+05	NA	3.0E+05 (S)
1,1,1-Trichloroethane	EPA 8260B	Water	ug/L	ND	ND	ND	ND	**18**	ND	ND	ND	NT	ND	ND	ND	ND	**8.3**	ND	**15**	**15**	200 (A)	200 (A)	89	6.6E+05	1.3E+06 (S)	1.33E+06	ID	1.3E+06 (S)
1,1,2-Trichloroethane	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	5.0 (A)	5.0 (A)	330 (X)	17000	21000	4.42E+06	NA	ID
Trichloroethene	EPA 8260B	Water	ug/L	ND	**5.3**	**0.47 J**	ND	**110**	ND	ND	ND	NT	ND	ND	ND	ND	**190**	ND	**120**	**130**	5.0 (A)	5.0 (A)	200 (X)	15000	22000	1.10E+06	ID	1.1E+06 (S)
Trichlorofluoromethane	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	2600	7300	NA	1.1E+06 (S)	1.1E+06 (S)	1.10E+06	ID	1.1E+06 (S)
1,1,2-Trichloro-1,2,2-trifluoroethane	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	1.7E+5 (S)	1.7E+5 (S)	32	1.7E+05 (S)	1.7E+05 (S)	1.70E+05	ID	1.7E+05 (S)
Vinyl chloride	EPA 8260B	Water	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NT	ND	ND	ND	ND	ND	ND	ND	ND	2.0 (A)	2.0 (A)	13 (X)	1100	1000	2.76E+06	33,000	ID
Xylenes (I)	EPA 8260B	Water	ug/L	**18**	ND	ND	ND	ND	**91**	**66**	ND	NT	ND	ND	ND	**19 J**	ND	ND	ND	ND	280 (E)	280 (E)	41	1.9E+05 (S)	1.9E+05 (S)	1.86E+05	70,000	1.9E+05 (S)

Table 4
Groundwater Analytical Results
415 W. Washington Street - Phase II Environmental Site Assessment
Ann Arbor, Michigan

Parameter	Method	Matrix	Units	MW-1R-13 (7-12')	MW-2 (8-13')	MW-3R-13 (6-11')	MW-4 (9-14')	MW-5 (5-10')	MW-6 (6-10')	MW-6R-13 (9-14')	MW-8 (15-20')	MW-8 (15-20')	MW-9 (9-14')	MW-10 (4-9')	MW-11 (4.5-9.5')	MW-11R-13 (9-14')	MW-13-13 (6-11')	P-3-15' (13-15')	TW-1-13 (7-12')	TW-2-13 (7-12')	#1 Residential Drinking Water Criteria & RBSLs	#2 Non-Residential Drinking Water Criteria & RBSLs	#3 Groundwater Surface Water Interface Criteria & RBSLs	#4 Residential Groundwater Volatilization to Indoor Air Inhalation Criteria & RBSLs	#6 Groundwater Contact Criteria & RBSLs	#7 Water Solubility	#8 Flammability and Explosivity Screening Level	#9 Acute Inhalation Screening Level
				03/07/13	01/16/13	03/07/13	01/15/13	01/15/13	01/16/13	03/07/13	01/15/13	03/07/13	01/16/13	01/16/13	01/16/13	03/07/13	03/07/13	01/16/13	02/24/13	02/24/13									
Polynuclear Aromatic Hydrocarbons - Analytical Method: EPA 8270C																												
Acenaphthene	EPA 8270C	Water	ug/L	**0.36 J**	ND	**2.7 J**	ND	ND	NT	ND	ND	NT	ND	ND	NT	**0.60 J**	NT	ND	NT	NT	1300	3,800	38	4,200 (S)	4,200 (S)	4,200 (S)	4,240	ID
Acenaphthylene	EPA 8270C	Water	ug/L	**0.21 J**	ND	**0.59 J**	ND	ND	NT	ND	ND	NT	ND	ND	NT	ND	NT	ND	NT	NT	52	150	ID	3,900 (S)	3,900 (S)	3,900 (S)	3,930	ID
Anthracene	EPA 8270C	Water	ug/L	ND	ND	ND	ND	ND	NT	ND	ND	NT	ND	ND	NT	ND	NT	ND	NT	NT	43 (S)	43 (S)	ID	43 (S)	43 (S)	43 (S)	43.4	ID
Benzo(a)anthracene	EPA 8270C	Water	ug/L	ND	**0.17 J**	ND	ND	ND	NT	ND	ND	NT	ND	**0.11 J**	NT	ND	NT	**0.24 J**	NT	NT	2.1	8.5	ID	NLV	9.4 (S, AA)	9.4 (S,AA)	9.4	ID
Benzo(a)pyrene	EPA 8270C	Water	ug/L	ND	**0.64 J**	ND	ND	ND	NT	ND	ND	NT	ND	**0.62 J**	NT	ND	NT	**0.71 J**	NT	NT	5.0 (A)	5.0 (A)	ID	NLV	1.0 (M, AA); 0.64	1.0 (M,AA); 0.64	1.62	ID
Benzo(b)fluoranthene	EPA 8270C	Water	ug/L	ND	**0.52 J**	ND	ND	ND	NT	ND	ND	NT	ND	**0.50 J**	NT	ND	NT	**0.66 J**	NT	NT	1.5 (S,AA)	1.5 (S,AA)	ID	ID	1.5 (S, AA)	1.5 (S,AA)	1.5	ID
Benzo(g,h,i)perylene	EPA 8270C	Water	ug/L	ND	**0.15 J**	ND	ND	ND	NT	ND	ND	NT	ND	**0.14 J**	NT	ND	NT	**0.20 J**	NT	NT	1.0 (M); 0.26 (S)	1.0 (M); 0.26 (S)	ID	NLV	1.0 (M, AA); 0.26 (S)	1.0 (M,AA); 0.26 (S)	0.26	ID
Benzo(k)fluoranthene	EPA 8270C	Water	ug/L	ND	**0.10 J**	ND	ND	ND	NT	ND	ND	NT	ND	ND	NT	ND	NT	**0.13 J**	NT	NT	1.0 (M); 0.8 (S)	1.0 (M); 0.8 (S)	NA	NLV	1.0 (M, AA); 0.8 (S)	1.0 (M,AA); 0.8 (S)	0.8	ID
Chrysene	EPA 8270C	Water	ug/L	ND	**0.15 J**	ND	ND	ND	NT	ND	ND	NT	ND	**0.19 J**	NT	ND	NT	**0.22 J**	NT	NT	1.6 (S)	1.6 (S)	ID	ID	1.6 (S, AA)	1.6 (S,AA)	1.6	ID
Dibenz(a,h)anthracene	EPA 8270C	Water	ug/L	ND	ND	ND	ND	ND	NT	ND	ND	NT	ND	ND	NT	ND	NT	ND	NT	NT	2.0 (M); 0.21	2.0 (M); 0.85	ID	NLV	2.0 (M, AA); 0.31	2.0 (M,AA); 0.31	2.49	ID
Fluoranthene	EPA 8270C	Water	ug/L	**0.23 J**	**0.24 J**	ND	ND	ND	NT	ND	ND	NT	ND	**0.46 J**	NT	ND	NT	**0.36 J**	NT	NT	210 (S)	210 (S)	1.6	210 (S)	210 (S)	210 (S)	206	ID
Fluorene	EPA 8270C	Water	ug/L	**1.1 J**	ND	**3.5 J**	ND	ND	NT	ND	ND	NT	ND	ND	NT	ND	NT	ND	NT	NT	880	2,000 (S)	12	2,000 (S)	2, 000 (S)	2,000 (S)	1,980	ID
Indeno(1,2,3-cd)pyrene	EPA 8270C	Water	ug/L	ND	**0.64 J**	ND	ND	ND	NT	ND	ND	NT	ND	**0.60 J**	NT	ND	NT	**0.68 J**	NT	NT	2.0 (M); 0.022 (S)	2.0 (M); 0.022 (S)	ID	NLV	2.0 (M, AA); 0.022 (S)	2.0 (M,AA); 0.022 (S)	0.022	ID
2-Methylnaphthalene	EPA 8270C	Water	ug/L	**1.8 J**	ND	ND	ND	ND	NT	**4.3 J**	ND	NT	ND	ND	NT	**2.5 J**	NT	ND	NT	NT	260	750	19	25,000 (S)	25,000 (S)	25,000 (S)	24,600	ID
Naphthalene	EPA 8270C	Water	ug/L	**4.6 J**	ND	ND	ND	ND	NT	7.4	ND	NT	ND	ND	NT	48	NT	ND	NT	NT	520	1,500	11	31,000 (S)	31,000 (S)	31,000 (S)	31,000	NA
Phenanthrene	EPA 8270C	Water	ug/L	**1.2 J**	ND	2.3	ND	ND	NT	ND	ND	NT	ND	**0.13 J**	NT	ND	NT	**0.11 J**	NT	NT	52	150	2.0 (M); 1.4	1,000 (S)	1,000 (S)	1,000 (S)	1,000	ID
Pyrene	EPA 8270C	Water	ug/L	**0.16 J**	**0.20 J**	ND	ND	ND	NT	ND	ND	NT	ND	**0.30 J**	NT	ND	NT	**0.29 J**	NT	NT	140 (S)	140 (S)	ID	140 (S)	140 (S)	140 (S)	135	ID
Metals-Dissolved - Analytical Method: EPA 6020																												
Silver	EPA 6020	Water	ug/L	NT	ND	NT	ND	ND	NT	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	34	98	0.2 (M); 0.06	NLV	1.50E+06	NA	ID	ID
Arsenic	EPA 6020	Water	ug/L	NT	ND	NT	ND	ND	NT	ND	ND	NT	ND	**1.6**	**1.8**	NT	NT	ND	NT	NT	10 (A)	10 (A)	10	NLV	4300	NA	ID	ID
Barium	EPA 6020	Water	ug/L	NT	**77**	NT	**110**	**46**	NT	**120**	**140**	NT	**180**	**69**	**41**	NT	NT	**95**	NT	NT	2000 (A)	2000 (A)	1.10E+03	NLV	1.40E+07	NA	ID	ID
Cadmium	EPA 6020	Water	ug/L	NT	ND	NT	ND	ND	NT	ND	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	5.0 (A)	5.0 (A)	(G, X)	NLV	1.90E+05	NA	ID	ID
Chromium	EPA 6020	Water	ug/L	NT	**0.84 J**	NT	**0.66 J**	**1.1 J**	NT	**0.73 J**	**0.94 J**	NT	**0.79 J**	**1.3 J**	**1.1 J**	NT	NT	**0.92 J**	NT	NT	100 (A)	100 (A)	11	NLV	4.60E+05	NA	ID	ID
Sodium	EPA 6020	Water	ug/L	NT	**180,000**	NT	**300,000**	**140,000**	NT	**330,000**	**270,000**	NT	**280,000**	**630,000**	NA	NT	NT	**330,000**	NT	NT	1.20E+05	3.50E+05	NA	NLV	1.0E+09 (D)	NA	ID	ID
Nickel	EPA 6020	Water	ug/L	NT	ND	NT	ND	ND	NT	**0.40 J**	ND	NT	**0.22 J**	**0.97 J**	**3.8**	NT	NT	**0.44 J**	NT	NT	100 (A)	100 (A)	1.10E+02	NLV	7.40E+07	NA	ID	ID
Lead	EPA 6020	Water	ug/L	NT	**0.020 J**	NT	**0.027 J**	ND	NT	**0.57 J**	**0.17 J**	NT	ND	**0.096 J**	**0.14 J**	NT	NT	**0.029 J**	NT	NT	4.0 (L)	4.0 (L)	(G, X)	NLV	ID	NA	ID	ID
Selenium (B)	EPA 6020	Water	ug/L	NT	**1.0 J**	NT	ND	**1.6 J**	NT	**0.80 J**	ND	NT	ND	ND	ND	NT	NT	ND	NT	NT	50 (A)	50 (A)	5	NLV	9.70E+05	NA	ID	ID
Zinc	EPA 6020	Water	ug/L	NT	**3.8 J**	NT	**120**	**17**	NT	**4.2 J**	**1,500**	NT	**34**	**230**	**21**	NT	NT	**3.4 J**	NT	NT	2400	5000 (E)	2.40E+02	NLV	1.10E+08	NA	ID	ID
Mercury-Dissolved - Analytical Method: EPA 7470A																												
Mercury (Total) (B,Z)	EPA 7470A	Water	ug/L	NT	ND	NT	ND	ND	NT	NT	**0.043 J**	ND	ND	ND	ND	NT	NT	ND	NT	NT	2.0 (A)	2.0 (A)	0.0013	56 (S)	56 (S)	56	ID	ID
General Chemistry																												
Chloride	--	Water	ug/L	NT	**360,000**	NT	**680,000**	**260,000**	NT	NT	**610,000**	NT	**610,000**	**1,200,000**	**580,000**	NT	NT	**630,000**	NT	NT	2.5E+05 (E)	2.5E+05 (E)	(FF)	NLV	ID	NA	ID	ID
Polychlorinated Biphenyls - Analytical Method: EPA 8082																												
Aroclor-1016	EPA 8082	Water	ug/L	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.5 (A)	0.5 (A)	0.2 (M); 2.6E-5	45 (S)	3.3 (AA)	44.7	ID	ID
Aroclor-1221	EPA 8082	Water	ug/L	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.5 (A)	0.5 (A)	0.2 (M); 2.6E-5	45 (S)	3.3 (AA)	44.7	ID	ID
Aroclor-1232	EPA 8082	Water	ug/L	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.5 (A)	0.5 (A)	0.2 (M); 2.6E-5	45 (S)	3.3 (AA)	44.7	ID	ID
Aroclor-1242	EPA 8082	Water	ug/L	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.5 (A)	0.5 (A)	0.2 (M); 2.6E-5	45 (S)	3.3 (AA)	44.7	ID	ID
Aroclor-1248	EPA 8082	Water	ug/L	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.5 (A)	0.5 (A)	0.2 (M); 2.6E-5	45 (S)	3.3 (AA)	44.7	ID	ID
Aroclor-1254	EPA 8082	Water	ug/L	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.5 (A)	0.5 (A)	0.2 (M); 2.6E-5	45 (S)	3.3 (AA)	44.7	ID	ID
Aroclor-1260	EPA 8082	Water	ug/L	NT	NT	NT	NT	NT	NT	NT	ND	NT	NT	NT	NT	NT	NT	NT	NT	NT	0.5 (A)	0.5 (A)	0.2 (M); 2.6E-5	45 (S)	3.3 (AA)	44.7	ID	ID

ND = non-detect
NA = not applicable
ug/L = micrograms per liter
mg/L = milligrams per liter
^{0}C = degrees celcius
mS/cm = microseimens per centimeter
Bold = indicates a value above the method detection Limit

ND = Non-Detect
NLL = Not Likely to Leach
NLV = Not Likely to Volatilize
mS/cm = Microsiemens per centimeter
mV = Millivolts

NC = no criteria for the State of Michigan
C = meets cleanup criteria if free phase material is not present
D = calculated criterion exceeds 100 percent
NTU = nephelometric turbidity units
mV = millivolts
S.U. = standard units

J = result is less than the RL but greater than the MDL and the concentration is an approximate value
ID = insufficient data to develop criteria
M = calculated criterion is below the analytical target detection limit, therefore, the criterion defaults to the target detection limit.
RBSLs = risk based screening levels
EPA = Environmental Protection Agency
NT = not tested

parameter exceeds criteria
parameter detected above reporting limits and below criteria

Notes:
Table reflects analytical data comparison to Groundwater: Residential Part 201 Generic Cleanup Criteria and Screening Levels; Part 213 Tier I Risk Based Screening Levels, September 28, 2012.
A detection of mercury was reported in MW-8 on January 15, 2013. MW-8 was resampled on March 7, 2013 to confirm result. The result was nondetect.
Depths following well names indicate screen intervals.
For dilution factors, see Laboratory Analytical Reports in Appendix B.
Dissolved metal samples were field filtered.
Chromium compared to Chromium (VI) criteria.
Explanations of criteria shown in this table can be found in the Michigan Department of Environmental Quality footnotes document.
Monitoring wells shaded in darker blue were installed in February 2013, the lighter blue shading are previously existing monitoring wells.
Groundwater surface interface criteria for barium, nickel and zinc were calculated using hardness values reported by the United States Geological Survey for the Huron River in 2011.

Table 5
Stormwater Analytical Results
415 W. Washington Street - Phase II Environmental Site Assessment
Ann Arbor, Michigan

Parameter	Matrix	Units	STORM WATER-1
			01/16/13
Field Parameters			
Temperature	Water	^{0}C	5.91
pH	Water	S.U.	7.55
Specific Conductivity	Water	mS/cm	0.746
Redox	Water	mV	103
Dissolved Oxygen	Water	mg/L	6.34
Turbidity	Water	NTU	54.7
Volatile Organic Compounds - Analytical Method: EPA 8260B			
Acetone (I)	Water	ug/L	ND
Acrolein (I)	Water	ug/L	NA
Acrylonitrile (I)	Water	ug/L	NA
Benzene (I)	Water	ug/L	ND
Bromobenzene (I)	Water	ug/L	NA
Bromochloromethane	Water	ug/L	NA
Bromodichloromethane	Water	ug/L	ND
Bromoform	Water	ug/L	ND
Bromomethane	Water	ug/L	ND
2-Butanone (MEK) (I)	Water	ug/L	ND
n-Butylbenzene	Water	ug/L	NA
sec-Butylbenzene	Water	ug/L	NA
t-Butylbenzene (I)	Water	ug/L	NA
Carbon disulfide (I,R)	Water	ug/L	ND
Carbon tetrachloride	Water	ug/L	ND
Chlorobenzene (I)	Water	ug/L	ND
Chloroethane	Water	ug/L	ND
2-Chloroethyl vinyl ether	Water	ug/L	NA
Chloroform	Water	ug/L	ND
Chloromethane (I)	Water	ug/L	ND
o-Chlorotoluene (I)	Water	ug/L	NA
4-Chlorotoluene	Water	ug/L	NA
Cyclohexane	Water	ug/L	ND
1,2-Dibromo-3-chloropropane	Water	ug/L	ND
Dibromochloromethane	Water	ug/L	ND
1,2-Dibromoethane (EDB)	Water	ug/L	ND
Dibromomethane	Water	ug/L	NA
1,2-Dichlorobenzene	Water	ug/L	ND
1,3-Dichlorobenzene	Water	ug/L	ND
1,4-Dichlorobenzene	Water	ug/L	ND
trans-1,4-Dichloro-2-butene	Water	ug/L	NA
Dichlorodifluoromethane	Water	ug/L	ND
1,1-Dichloroethane	Water	ug/L	ND
1,2-Dichloroethane (I)	Water	ug/L	ND
1,1-Dichloroethene (I)	Water	ug/L	ND
cis-1,2-Dichloroethene	Water	ug/L	ND
trans-1,2-Dichloroethene	Water	ug/L	ND
1,2-Dichloropropane (I)	Water	ug/L	ND
1,3-Dichloropropane	Water	ug/L	NA
2,2-Dichloropropane	Water	ug/L	NA
1,1-Dichloropropene	Water	ug/L	NA
cis-1,3-Dichloropropene	Water	ug/L	ND
trans-1,3-Dichloropropene	Water	ug/L	ND
Diethyl ether	Water	ug/L	NA
Ethylbenzene (I)	Water	ug/L	ND
2-Hexanone	Water	ug/L	ND
Iodomethane	Water	ug/L	NA
Isopropylbenzene	Water	ug/L	ND
p-Isopropyltoluene	Water	ug/L	NA

Table 5
Stormwater Analytical Results
415 W. Washington Street - Phase II Environmental Site Assessment
Ann Arbor, Michigan

Parameter	Matrix	Units	STORM WATER-1
			01/16/13
Volatile Organic Compounds (Continued) - Analytical Method: EPA 8260B			
Methyl acetate	Water	ug/L	ND
Methylcyclohexane	Water	ug/L	ND
Methylene chloride	Water	ug/L	ND
4-Methyl-2-pentanone (MIBK) (I)	Water	ug/L	ND
Methyl-tert-butyl ether (MTBE)	Water	ug/L	ND
n-Propylbenzene (I)	Water	ug/L	NA
Styrene	Water	ug/L	ND
1,1,1,2-Tetrachloroethane	Water	ug/L	NA
1,1,2,2-Tetrachloroethane	Water	ug/L	ND
Tetrachloroethene	Water	ug/L	ND
Tetrahydrofuran	Water	ug/L	NA
Toluene (I)	Water	ug/L	ND
1,2,4-Trichlorobenzene	Water	ug/L	ND
1,1,1-Trichloroethane	Water	ug/L	ND
1,1,2-Trichloroethane	Water	ug/L	ND
Trichloroethene	Water	ug/L	ND
Trichlorofluoromethane	Water	ug/L	ND
1,2,3-Trichloropropane	Water	ug/L	NA
1,1,2-Trichloro-1,2,2-trifluoroethan	Water	ug/L	ND
1,2,3-Trimethylbenzene	Water	ug/L	NA
1,2,4-Trimethylbenzene (I)	Water	ug/L	NA
1,3,5-Trimethylbenzene (I)	Water	ug/L	NA
Vinyl acetate (I)	Water	ug/L	NA
Vinyl chloride	Water	ug/L	ND
Xylenes (I)	Water	ug/L	ND
Polynuclear Aromatic Hydrocarbons - Analytical Method: EPA 8270C			
Acenaphthene	Water	ug/L	ND
Acenaphthylene	Water	ug/L	ND
Anthracene	Water	ug/L	ND
Benzo(a)anthracene	Water	ug/L	**0.17 J**
Benzo(a)pyrene	Water	ug/L	**0.67 J**
Benzo(b)fluoranthene	Water	ug/L	**0.57 J**
Benzo(g,h,i)perylene	Water	ug/L	ND
Benzo(k)fluoranthene	Water	ug/L	**0.12 J**
Chrysene	Water	ug/L	**0.20 J**
Dibenz(a,h)anthracene	Water	ug/L	ND
Fluoranthene	Water	ug/L	**0.27 J**
Fluorene	Water	ug/L	ND
Indeno(1,2,3-cd)pyrene	Water	ug/L	ND
1-Methylnaphthalene	Water	ug/L	NA
2-Methylnaphthalene	Water	ug/L	ND
Naphthalene	Water	ug/L	ND
Phenanthrene	Water	ug/L	ND
Pyrene	Water	ug/L	**0.24 J**
Metals-Dissolved - Analytical Method: EPA 6020			
Silver	Water	ug/L	ND
Arsenic	Water	ug/L	ND
Barium	Water	ug/L	**39**
Cadmium	Water	ug/L	ND
Chromium	Water	ug/L	**0.61 J**
Sodium	Water	ug/L	**62,000**
Nickel	Water	ug/L	**0.29 J**
Lead	Water	ug/L	**0.13 J**
Selenium (B)	Water	ug/L	**0.67 J**
Zinc	Water	ug/L	**15**

Table 5
Stormwater Analytical Results
415 W. Washington Street - Phase II Environmental Site Assessment
Ann Arbor, Michigan

Parameter	Matrix	Units	STORM WATER-1
			01/16/13
Mercury-Dissolved - Analytical Method: EPA 7470A			
Mercury (Total) (B,Z)	Water	ug/L	ND
General Chemistry			
Chloride	Water	ug/L	**110,000**
Polychlorinated Biphenyls - Analytical Method: EPA 8082			
Aroclor-1016	Water	ug/L	ND
Aroclor-1221	Water	ug/L	ND
Aroclor-1232	Water	ug/L	ND
Aroclor-1242	Water	ug/L	ND
Aroclor-1248	Water	ug/L	ND
Aroclor-1254	Water	ug/L	ND
Aroclor-1260	Water	ug/L	ND

NA = not applicable
ug/L = micrograms per liter
mg/L = milligrams per liter
^{0}C = degrees celcius
mS/cm = microsiemens per centimeter
mV = millivolts
NTU = nephelometric turbidity Unit
S.U. = standard units
J = Result is less than reporting limit (RL) but greater then the method detection limit (MDL) and the concentration is an approximatate value
EPA = Environmental Protection Agency
Bold = indicates a value above the MDL
parameters detected above reporting limit

Notes:
No surface water criteria.
For dilution factors, see Laboratory Analytical Reports in Appendix B.
Dissolved metal samples were field filtered.

APPENDICES

APPENDIX A

SOIL BORING AND MONITORING WELL LOGS

Tetra Tech
710 Avis Drive
Ann Arbor, MI 48108
Telephone: (734) 213-2204
Fax: (734) 213-5008

LOG OF: MW-1R-13

(1 of 1)

117-1054011.02

Site: **City of Ann Arbor**		Drilling Company: **Terra Probe**	
Address: **415 W. Washington Street**		Driller: **Mike Abernathy**	
City, State: **Ann Arbor, MI**		Sampling Method: **Macro Core**	
Northing: **NM**	Easting: **NM**	Logged By: **CWD**	Checked By: **PJM**
Total Depth: **15'** Elev: **NM**	Weather: **Sunny, 26F**	Start Date: **2/24/2013**	Finish Date: **2/24/2013**
Hole Diameter: **3.25"**	PID Model & Lamp eV: **MiniRae 3000 10.6 eV**	Sand Pack Interval: **5.5-12'**	Bentonite Chip Interval: **0.8-5.5'**
Casing (Interval, Diameter, Type): **0-7', 2" PVC**	Hole Abandonment: **na**	Grout Type & Interval: **na**	
Groundwater Sample Screen (Interval, Diameter, SLOT Size, Type): **7-12', 2" 10 slot PVC**	Location: **66' S of main bldg/7' E of remedial fence**		

Sample Type/No.	Blow Counts	Rec (%)	SOIL DESCRIPTION	Depth (feet)	PID (ppm)	WELL LOG	REMARKS
P-1		60	ASPHALT (0.5)			0.5	
			Light brown, dry, fine to coarse SAND, trace coarse Gravel (0.8)			0.8	
				2	0.1		
					2.5		
				4	1.3		
P-2		67			6.0	5.5	
				6	26.1		
			Brown, dry, coarse SAND and GRAVEL		6.0		
			Dark brown, PEAT	8	884.3		
			Dark brown, moist, fine SAND				
			Dark gray, saturated, fine GRAVEL		nm		Oily sheen noted in pore space
P-3		70	Dark gray, wet, fine to medium SAND, little Silt	10			
				12	nm	12	
			Light brown, wet, fine to medium SAND, little Silt				
				14			
			Boring terminated at 15 ft				
				16			
				18			
				20			

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LOG OF: MW-3R-13

(1 of 1)

117-1054011.02

Site: **City of Ann Arbor**		Drilling Company: **Terra Probe**	
Address: **415 W. Washington Street**		Driller: **Mke Abernathy**	
City, State: **Ann Arbor, MI**		Sampling Method: **Macro Core**	
Northing: **NM**	Easting: **NM**	Logged By: **CWD**	Checked By: **PJM**
Total Depth: **15'** Elev: **NM**	Weather: **Sunny, 26F**	Start Date: **2/24/2013**	Finish Date: **2/24/2013**
Hole Diameter: **3.25"**	PID Model & Lamp eV: **MiniRae 3000 10.6 eV**	Sand Pack Interval: **4.5-11'**	Bentonite Chip Interval: **0.8-4.5'**
Casing (Interval, Diameter, Type): **0-6', 2" PVC**	Hole Abandonment: **na**	Grout Type & Interval: **na**	
Groundwater Sample Screen (Interval, Diameter, SLOT Size, Type): **6-11', 2" 10 slot PVC**	Location: **27' N of south garage**		

Sample Type/No.	Blow Counts	Rec (%)	SOIL DESCRIPTION	Depth (feet)	PID (ppm)	WELL LOG	REMARKS
P-1		63	Gray, dry, fine to coarse SAND and GRAVEL	0.5	0.1	0.5	
			Light brown, moist, fine to medium SAND	0.8	0.3	0.8	
				2	0.1		
				4	0.0	4.5	
P-2		83		6	1.0		
					3.2		
				8	3.9		
			Light brown, saturated, fine to medium SAND		15.2		
			Gray, saturated, fine to medium SAND	10	nm	11	
P-3		100		12	nm		
			Brown, saturated, fine to coarse SAND	14			
			Boring terminated at 15 ft	16			
				18			
				20			

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LOG OF: MW-6R-13

(1 of 1)

117-1054011.02

Site: **City of Ann Arbor**		Drilling Company: **Terra Probe**	
Address: **415 W. Washington Street**		Driller: **Mike Abernathy**	
City, State: **Ann Arbor, MI**		Sampling Method: **Macro Core**	
Northing: **NM**	Easting: **NM**	Logged By: **CWD**	Checked By: **PJM**
Total Depth: **14'** Elev: **NM**	Weather: **Sunny, 26F**	Start Date: **2/24/2013**	Finish Date: **2/24/2013**
Hole Diameter: **3.25"**	PID Model & Lamp eV: **MiniRae 3000 10.6 eV**	Sand Pack Interval: **7.5-14'**	Bentonite Chip Interval: **0.8-7.5'**
Casing (Interval, Diameter, Type): **0-9', 2" PVC**	Hole Abandonment: **na**	Grout Type & Interval: **na**	
Groundwater Sample Screen (Interval, Diameter, SLOT Size, Type): **9-14', 2" 10 slot PVC**	Location: **59' S of main bldg/31' E of remedial fence**		

Sample Type/No.	Blow Counts	Rec (%)	SOIL DESCRIPTION	Depth (feet)	PID (ppm)	WELL LOG	REMARKS
P-1		70	Brown, dry, fill, fine to medium SAND with Gravel and Wood	0.5			
			Light brown, moist, fine to medium SAND, little Silt	0.8	0.0		
				2			
				4	101.1		
P-2		100	Dark brown, dry, PEAT	6	945.0		7.5
				8			
			Brown, wet, fine to medium SAND, trace coarse Gravel	10	1000.4		
P-3		80	Dark brown, moist, PEAT		450.0		MW-6R-13-10' (soil sample) collected @ 0940
			Brown, saturated, fine to medium SAND, trace Gravel	12	320.0		MW-6R-13-11' (soil sample) collected @ 1130
			Dark gray, wet, fine to coarse SAND, trace Gravel		nm		
			Brown, wet, fine to medium SAND	14			14
			Boring terminated at 14 ft				
				16			
				18			
				20			

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LOG OF: MW-11R-13

(1 of 1)

117-1054011.02

Site: **City of Ann Arbor**		Drilling Company: **Terra Probe**	
Address: **415 W. Washington Street**		Driller: **Mike Abernathy**	
City, State: **Ann Arbor, MI**		Sampling Method: **Macro Core**	
Northing: **NM**	Easting: **NM**	Logged By: **CWD**	Checked By: **PJM**
Total Depth: **14'** Elev: **NM**	Weather: **Inside**	Start Date: **2./24/2013**	Finish Date: **2/24/2013**
Hole Diameter: **3.25"**	PID Model & Lamp eV: **MiniRae 3000 10.6 eV**	Sand Pack Interval: **7.5-14'**	Bentonite Chip Interval: **0.8-7.5'**
Casing (Interval, Diameter, Type): **0-9', 2" PVC**	Hole Abandonment: **na**	Grout Type & Interval: **na**	
Groundwater Sample Screen (Interval, Diameter, SLOT Size, Type): **9-14', 2" 10 slot PVC**		Location: **Inside north garage**	

Sample Type/No.	Blow Counts	Rec (%)	SOIL DESCRIPTION	Depth (feet)	PID (ppm)	WELL LOG	REMARKS
			CONCRETE			0.5 / 0.8	
P-1		77	Light brown, dry, fine to medium SAND, little Silt, trace Gravel	2	4.8		
			Black, dry, PEAT		6.8		
			Light brown, dry, CLAY	4	6.0		Orange-red degraded brick paver @ 3'
			Light brown, moist, fine to medium SAND, some Silt		1.6		
P-2		100		6	0.0		
			Dark brown, moist, PEAT		1.7		
			Brown, moist, fine to coarse SAND, some Silt, trace coarse Gravel	8	7.0	7.5	
					2.6		
				10	1.7		
P-3		100			3.0		
			Brown, saturated, fine to coarse SAND, some Silt, trace coarse Gravel	12	nm		
			Boring terminated at 14 ft	14	nm	14	
				16			
				18			
				20			

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LOG OF: MW-13-13

(1 of 1)

117-1054011.02

Site: **City of Ann Arbor**		Drilling Company: **Terra Probe**	
Address: **415 W. Washington Street**		Driller: **Mike Abernathy**	
City, State: **Ann Arbor, MI**		Sampling Method: **Macro Core**	
Northing: **NM**	Easting: **NM**	Logged By: **CWD**	Checked By: **PJM**
Total Depth: **13'** Elev: **NM**	Weather: **Overcast, 30F**	Start Date: **2/24/2013**	Finish Date: **2/24/2013**
Hole Diameter: **3.25"**	PID Model & Lamp eV: **MiniRae 3000 10.6 eV**	Sand Pack Interval: **4.5-11'**	Bentonite Chip Interval: **0.8-4.5'**
Casing (Interval, Diameter, Type): **0-6', 2" PVC**	Hole Abandonment: **na**	Grout Type & Interval: **na**	
Groundwater Sample Screen (Interval, Diameter, SLOT Size, Type): **6-11', 2" 10 slot PVC**	Location: **9' S of south garage/30' E of SW corner**		

Sample Type/No.	Blow Counts	Rec (%)	SOIL DESCRIPTION	Depth (feet)	PID (ppm)	WELL LOG	REMARKS
P-1		67	Dark brown, moist, TOPSOIL		3.0	0.5	
			Brown, moist, fine to medium SAND, little Silt		2.6	0.8	
				2	3.0		
					1.0		
			Brown, moist, medium SAND	4	1.6	4.5	
P-2		97	Light brown, moist, fine to medium SAND, some Silt	6	1.6		
			Light brown, wet, medium SAND		0.8		
				8	2.3		MW-13-13-8' (soil sample) collected @ 1500
			Light brown, saturated, medium SAND		nm		
P-3		60		10		11	
				12	nm		
			Boring terminated at 13 ft				
				14			
				16			
				18			
				20			

LOG A EWNN07 - GINT STD US.GDT - 4/16/13 14:26 - P:\PROJECTS\ANN ARBOR\415 W. WASHINGTON\GINT\415 W WASHINGTON BORING AND WELL LOGS.GPJ

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LOG OF: **SB-1-13**
(1 of 1)

117-1054011.02

Site: **City of Ann Arbor**		Drilling Company: **Terra Probe**	
Address: **415 W. Washington Street**		Driller: **Jason Shaffer**	
City, State: **Ann Arbor, MI**		Sampling Method: **Macro Core**	
Northing: **NM**	Easting: **NM**	Logged By: **JTG**	Checked By: **PJM**
Total Depth: **5'** Elev: **NM**	Weather: **Sunny, 20-30F**	Start Date: **2/24/2013**	Finish Date: **2/24/2013**
Hole Diameter: **2.25"**	PID Model & Lamp eV: **MiniRae 2000 10.6 eV**	Sand Pack Interval: **na**	Bentonite Chip Interval: **na**
Casing (Interval, Diameter, Type): **na**	Hole Abandonment: **Soil Cuttings**	Grout Type & Interval: **na**	
Groundwater Sample Screen (Interval, Diameter, SLOT Size, Type): **na**	Location: **22' N of #72 sign/15' W of fence post of open sheds**		

Sample Type/No.	Blow Counts	Rec (%)	SOIL DESCRIPTION	Depth (feet)	PID (ppm)	REMARKS
P-1		80	Brown, damp, fine to medium SAND, some coarse Sand, trace Silt	2	0.0	SB-1-13-2.5' (soil sample) collected @ 0905, slight olfactory observation at 2 -3'
			Brown, damp, fine to medium SAND, little Clay, trace Silt		0.0	
			Brown, damp, fine to medium SAND, little coarse Sand, trace Silt	4	0.0	
			Tan, damp, fine to medium SAND, little coarse Sand		0.0	
			Brown, moist, fine SAND and SILT, little Clay	6		SB-1-13-5' (soil sample) collected @ 0908
			Boring terminated at 5 ft			
				8		
				10		
				12		
				14		
				16		
				18		
				20		

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LOG OF: **SB-2-13**
(1 of 1)

117-1054011.02

Site: **City of Ann Arbor**		Drilling Company: **Terra Probe**	
Address: **415 W. Washington Street**		Driller: **Jason Shaffer**	
City, State: **Ann Arbor, MI**		Sampling Method: **Macro Core**	
Northing: **NM**	Easting: **NM**	Logged By: **JTG**	Checked By: **PJM**
Total Depth: **6'** Elev: **NM**	Weather: **Sunny, 20-30F**	Start Date: **2/24/2013**	Finish Date: **2/24/2013**
Hole Diameter: **2.25"**	PID Model & Lamp eV: **MiniRae 2000 10.6 eV**	Sand Pack Interval: **na**	Bentonite Chip Interval: **na**
Casing (Interval, Diameter, Type): **na**	Hole Abandonment: **Soil Cuttings**	Grout Type & Interval: **na**	
Groundwater Sample Screen (Interval, Diameter, SLOT Size, Type): **na**	Location: **9' N of #71 sign/ 4' W of fence post at edge of open sheds**		

Sample Type/No.	Blow Counts	Rec (%)	SOIL DESCRIPTION	Depth (feet)	PID (ppm)	REMARKS
P-1		98	Brown, damp, fine to medium SAND, trace coarse Sand and Silt		0.0	Not sampled
			Brown, damp, fine to medium SAND, little Clay, trace coarse Sand and Silt	2	0.0	
			Brown, damp, fine to medium SAND, little coarse Sand, trace Silt		0.0	
				4	0.0	
P-2		63	Brown, moist, fine SAND and SILT, some Clay		0.0	
			Boring terminated at 6 ft	6		
				8		
				10		
				12		
				14		
				16		
				18		
				20		

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LOG OF: **SB-3-13**
(1 of 1)

117-1054011.02

Site: **City of Ann Arbor**		Drilling Company: **Terra Probe**	
Address: **415 W. Washington Street**		Driller: **Jason Shaffer**	
City, State: **Ann Arbor, MI**		Sampling Method: **Macro Core**	
Northing: **NM**	Easting: **NM**	Logged By: **JTG**	Checked By: **PJM**
Total Depth: **6'** Elev: **NM**	Weather: **Sunny, 20-30F**	Start Date: **2/24/2013**	Finish Date: **2/24/2013**
Hole Diameter: **2.25"**	PID Model & Lamp eV: **MiniRae 2000 10.6 eV**	Sand Pack Interval: **na**	Bentonite Chip Interval: **na**
Casing (Interval, Diameter, Type): **na**	Hole Abandonment: **Soil Cuttings**	Grout Type & Interval: **na**	
Groundwater Sample Screen (Interval, Diameter, SLOT Size, Type): **na**	Location: **35' directly S of #9 sign/6' N of lamp post/12' W of lamp post**		

Sample Type/No.	Blow Counts	Rec (%)	SOIL DESCRIPTION	Depth (feet)	PID (ppm)	REMARKS
P-1		90	Tan, damp, fine to medium SAND, some coarse Sand, little Silt and Clay		0.0	
			Brown, damp, fine to medium SAND, little Silt, trace Clay	2	0.0	
			Tanish brown, damp, fine to medium SAND, little coarse Sand and Silt		0.0	
				4	0.0	
P-2		92			0.0	SB-3-13-5' (soil sample) collected @ 1000
			Boring terminated at 6 ft	6	0.0	Brick pieces @ 4 - 6'
				8		
				10		
				12		
				14		
				16		
				18		
				20		

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LOG OF: **SB-4-13**
(1 of 1)

117-1054011.02

Site: **City of Ann Arbor**		Drilling Company: **Terra Probe**	
Address: **415 W. Washington Street**		Driller: **Jason Shaffer**	
City, State: **Ann Arbor, MI**		Sampling Method: **Macro Core**	
Northing: **NM**	Easting: **NM**	Logged By: **JTG**	Checked By: **PJM**
Total Depth: **6'** Elev: **NM**	Weather: **Sunny, 20-30F**	Start Date: **2/24/2013**	Finish Date: **2/24/2013**
Hole Diameter: **2.25"**	PID Model & Lamp eV: **MiniRae 2000 10.6 eV**	Sand Pack Interval: **na**	Bentonite Chip Interval: **na**
Casing (Interval, Diameter, Type): **na**	Hole Abandonment: **Cuttings and Bentonite**	Grout Type & Interval: **na**	
Groundwater Sample Screen (Interval, Diameter, SLOT Size, Type): **na**	Location: **21' N/22'W of #11 sign**		

Sample Type/No.	Blow Counts	Rec (%)	SOIL DESCRIPTION	Depth (feet)	PID (ppm)	REMARKS
P-1		73	Grayish tan, damp, fine to medium SAND, trace Silt		0.0	Not sampled
			Brown, damp, fine to medium SAND, some coarse Sand, little Silt	2	0.0	
			Brown, damp , fine to medium SAND, some Clay, little coarse Sand and Silt		0.0	
			Brownish-tan, damp, fine to medium SAND, little coarse Sand and Silt	4	0.0	Brick pieces @ 3'
P-2		75			0.0	
				6	0.0	
			Boring terminated at 6 ft			
				8		
				10		
				12		
				14		
				16		
				18		
				20		

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LOG OF: **SB-5-13**
(1 of 1)

117-1054011.02

Site: **City of Ann Arbor**		Drilling Company: **Terra Probe**	
Address: **415 W. Washington Street**		Driller: **Jason Shaffer**	
City, State: **Ann Arbor, MI**		Sampling Method: **Macro Core**	
Northing: **NM**	Easting: **NM**	Logged By: **JTG**	Checked By: **PJM**
Total Depth: **6'** Elev: **NM**	Weather: **Cloudy, 20-30F**	Start Date: **2/24/2013**	Finish Date: **2/24/2013**
Hole Diameter: **2.25"**	PID Model & Lamp eV: **MiniRae 2000 10.6 eV**	Sand Pack Interval: **na**	Bentonite Chip Interval: **na**
Casing (Interval, Diameter, Type): **na**	Hole Abandonment: **Cuttings and Bentonite**	Grout Type & Interval: **na**	
Groundwater Sample Screen (Interval, Diameter, SLOT Size, Type): **na**	Location: **3' S/3.5' W of MW-10**		

Sample Type/No.	Blow Counts	Rec (%)	SOIL DESCRIPTION	Depth (feet)	PID (ppm)	REMARKS
P-1		58	ASPHALT Dark brown, damp, fine to coarse SAND, trace Silt Tanish brown, damp to moist, fine to medium SAND, little Silt	2 4	0.0 0.0 0.0	
P-2		100	Brown, moist, fine to medium SAND, trace Silt Brown, wet, fine SAND and SILT, some Clay Brown, saturated, fine to medium SAND, little Silt Dark brown, damp, PEAT Boring terminated at 6 ft	6 8 10 12 14 16 18 20	0.0 0.0	Coal fragments @4.5' SB-5-13-4.5-5' (soil sample) collected @ 1045

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LOG OF: **SB-6-13**
(1 of 1)

117-1054011.02

Site: **City of Ann Arbor**		Drilling Company: **Terra Probe**	
Address: **415 W. Washington Street**		Driller: **Jason Shaffer**	
City, State: **Ann Arbor, MI**		Sampling Method: **Macro Core**	
Northing: **NM**	Easting: **NM**	Logged By: **JTG**	Checked By: **PJM**
Total Depth: **6'** Elev: **NM**	Weather: **Cloudy, 20-30F**	Start Date: **2/24/2013**	Finish Date: **2/24/2013**
Hole Diameter: **2.25"**	PID Model & Lamp eV: **MiniRae 2000 10.6 eV**	Sand Pack Interval: **na**	Bentonite Chip Interval: **na**
Casing (Interval, Diameter, Type): **na**	Hole Abandonment: **Cuttings and Bentonite**	Grout Type & Interval: **na**	
Groundwater Sample Screen (Interval, Diameter, SLOT Size, Type): **na**	Location: **30' S/5' E of #96 sign**		

Sample Type/No.	Blow Counts	Rec (%)	SOIL DESCRIPTION	Depth (feet)	PID (ppm)	REMARKS
			LIMESTONE GRAVEL			
			Brown, damp, fine to medium SAND, little Silt		0.0	
			2" Silt and Clay lense at 4'	2	0.0	
P-1		75			0.0	Not sampled
				4	0.0	
			Brown, wet, fine to medium SAND, some Silt			Brick pieces @ 4'
P-2		100	Dark brown, damp, PEAT		0.0	
				6	0.0	
			Boring terminated at 6 ft			
				8		
				10		
				12		
				14		
				16		
				18		
				20		

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LOG OF: **TW-1-13**
(1 of 1)

117-1054011.02

Site: **City of Ann Arbor**		Drilling Company: **Terra Probe**	
Address: **415 W. Washington Street**		Driller: **Jason Shaffer**	
City, State: **Ann Arbor, MI**		Sampling Method: **Macro Core**	
Northing: **NM**	Easting: **NM**	Logged By: **JTG**	Checked By: **PJM**
Total Depth: **12'** Elev: **NM**	Weather: **Cloudy, 20-30F**	Start Date: **2/24/2013**	Finish Date: **2/24/2013**
Hole Diameter: **2.25"**	PID Model & Lamp eV: **MiniRae 2000 10.6 eV**	Sand Pack Interval: **na**	Bentonite Chip Interval: **na**
Casing (Interval, Diameter, Type): **0-5', 1" PVC**	Hole Abandonment: **Bentonite**	Grout Type & Interval: **na**	
Groundwater Sample Screen (Interval, Diameter, SLOT Size, Type): **7-12', 1" 10 slot PVC**	Location: **Mower repair garage**		

Sample Type/No.	Blow Counts	Rec (%)	SOIL DESCRIPTION	Depth (feet)	PID (ppm)	REMARKS
			CONCRETE		0.0	
			Brown, damp, fine to medium SAND			
			Tanish brown, damp, CLAY, little fine Sand and Silt		0.0	Temporary well set @ 12'
P-1		67		2	0.0	
			Brown, damp, fine SAND with Silt, trace coarse Sand			Screen interval 7 - 12'
			Brown, damp, fine to medium SAND, trace Silt	4	0.0	
P-2		75		6	0.0	
			▽ Brown, saturated, fine to medium SAND, trace Silt		nm	
P-3		100		8		
				10	nm	
			Boring terminated at 12 ft	12		
				14		
				16		
				18		
				20		

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LOG OF: **TW-2-13**
(1 of 1)

117-1054011.02

Site: **City of Ann Arbor**		Drilling Company: **Terra Probe**	
Address: **415 W. Washington Street**		Driller: **Jason Shaffer**	
City, State: **Ann Arbor, MI**		Sampling Method: **Macro Core**	
Northing: **NM**	Easting: **NM**	Logged By: **JTG**	Checked By: **PJM**
Total Depth: **12'** Elev: **NM**	Weather: **Inside**	Start Date: **2/24/2013**	Finish Date: **2/24/2013**
Hole Diameter: **2.25"**	PID Model & Lamp eV: **MiniRae 3000 10.6 eV**	Sand Pack Interval: **na**	Bentonite Chip Interval: **na**
Casing (Interval, Diameter, Type): **0-5', 1" PVC**	Hole Abandonment: **Bentonite**	Grout Type & Interval: **na**	
Groundwater Sample Screen (Interval, Diameter, SLOT Size, Type): **7-12', 1" 10 slot PVC**	Location: **South garage**		

Sample Type/No.	Blow Counts	Rec (%)	SOIL DESCRIPTION	Depth (feet)	PID (ppm)	REMARKS
			CONCRETE			
			Tan, damp, fine to medium SAND, trace Silt		0.0	
P-1		71		2	0.0	
					0.0	Temporary well set @ 12'
				4	0.0	Screen interval 7 - 12'
P-2		90		6	0.0	TW-2-13-6' (soil sample) collected @ 1230
			Tan, saturated, fine to medium SAND, trace Silt		nm	
P-3		98		8		
				10	nm	
			Boring terminated at 12 ft	12		
				14		
				16		
				18		
				20		

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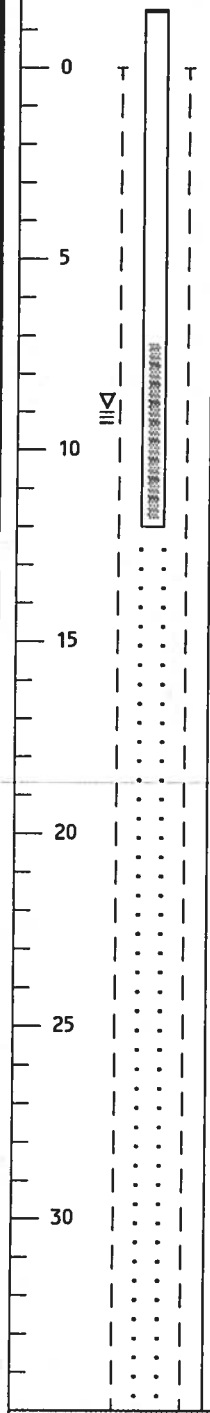
Sheet 1 of 1

PROJECT: West Washington
LOCATION: 415 W.Washington Street
CLIENT: City of Ann Arbor
PROJECT NUMBER: 672B
DRILLER: Libby **HELPER:** J & K
INSTALLATION DATE: 3/27/92

BORING/WELL #: MW-1
SURFACE ELEVATION: N/A
TOP OF CASING ELEV: N/A
STATIC WATER LEVEL: 8'6"
DEVELOPMENT: Bailer
WEATHER: N/A



SAMPLE TYPE	SAMPLING METHOD	DEPTH BELOW GRADE	SOIL DESCRIPTION	SOIL CLASS
		0'3"	Asphalt	
		1'0"	Stones	
Soil	SS	1'-3'	Mixed sand, cinders, and wood fill	
Soil	SS	3'-5' 3'9"		
Soil	SS	5'-7'	Silty sand fill, brown	
		6'9"	Black, peat	
Soil	SS	7'-9' 8'0"	Peat	
		8'6"	Sand and gravel, brown, wet	
Soil	SS	9'-11'		
		10'3"	Brown, medium sand	

CASING: DIAMETER: 2" **TYPE:** Galvanized **LENGTH:** 10'
SCREEN: DIAMETER: 2" **SLOT:** N/A **TYPE:** Stainless **LENGTH:** 5' **INTERVAL:** 7'-12'
PLUGGING/SEALING METHOD: Cement plug from 0'-4'6", bentonite chips to 6', sand backfill to 12'
COMMENTS:

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3772 Plaza Drive, Suite 5
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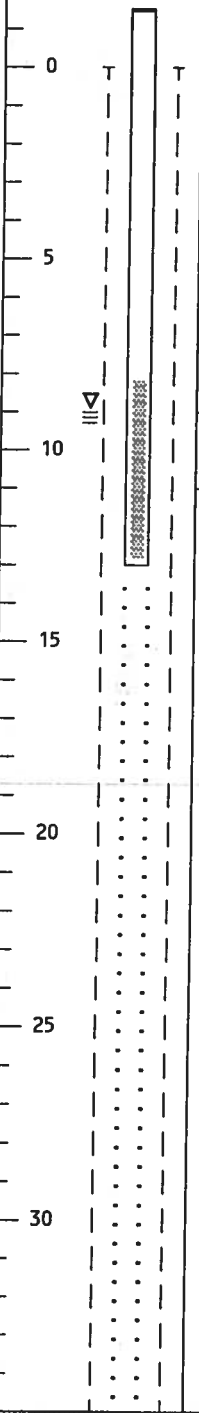
Sheet 1 of 1

PROJECT: West Washington
LOCATION: 415 W.Washington Street
CLIENT: City of Ann Arbor
PROJECT NUMBER: 672B
DRILLER: Libby **HELPER:** J & K
INSTALLATION DATE: 3/27/92

BORING/WELL #: MW-2
SURFACE ELEVATION: N/A
TOP OF CASING ELEV: N/A
STATIC WATER LEVEL: 9'
DEVELOPMENT: Bailer
WEATHER: N/A



SAMPLE TYPE	SAMPLING METHOD	DEPTH BELOW GRADE	SOIL DESCRIPTION	SOIL CLASS
		0'9"	Asphalt and stones	
		1'0"	Concrete	
Soil	SS	5'-7'	Mixed sand and cinder fill	
		6'6"		
		7'6"	Peat	
Soil	SS	7'-9'	Peat, moist	
		9'0"		
Soil	SS	9'-11'	Medium sand, brown, wet	

CASING: DIAMETER: 2" **TYPE:** Galvanized **LENGTH:** 10'
SCREEN: DIAMETER: 2" **SLOT:** N/A **TYPE:** Stainless **LENGTH:** 5' **INTERVAL:** 8'-13'
PLUGGING/SEALING METHOD: Cement plug from 0'-4'6", bentonite chips to 7', sand backfill to 13'.
COMMENTS:

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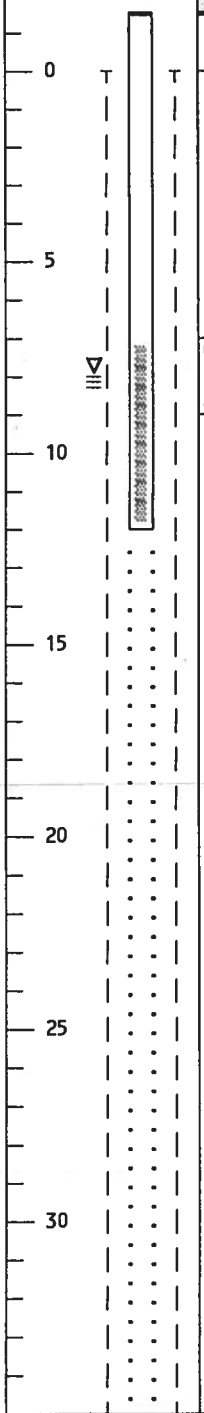
Sheet 1 of 1

PROJECT: West Washington
LOCATION: 415 W.Washington Street
CLIENT: City of Ann Arbor
PROJECT NUMBER: 672B
DRILLER: Libby **HELPER:** J & K
INSTALLATION DATE: 3/27/92

BORING/WELL #: MW-3
SURFACE ELEVATION: N/A
TOP OF CASING ELEV: N/A
STATIC WATER LEVEL: 8'
DEVELOPMENT: Bailer
WEATHER: N/A



SAMPLE TYPE	SAMPLING METHOD	DEPTH BELOW GRADE		SOIL DESCRIPTION	SOIL CLASS
		0'3"		Asphalt	
		1'0"		Concrete	
				Mixed sand and cinder fill	
Soil	SS	7'-9'	8'0"	Medium brown sand, wet	

CASING: DIAMETER: 2" **TYPE:** Galvanized **LENGTH:** 10'
SCREEN: DIAMETER: 2" **SLOT:** N/A **TYPE:** Stainless **LENGTH:** 5' **INTERVAL:** 7'-12'
PLUGGING/SEALING METHOD: Cement plug from 0'-4', bentonite chips to 6', sand backfill to 12'
COMMENTS:

THE TRAVERSE GROUP

TRAVERSE DRILLING
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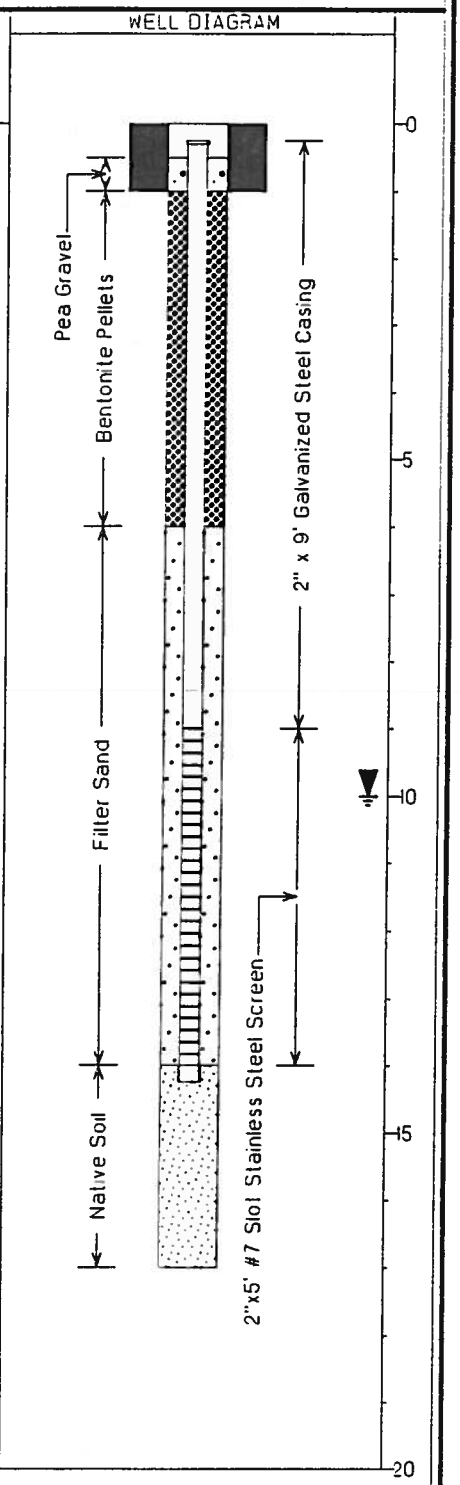
A-4

PROJECT 415 West Washington Street
LOCATION Ann Arbor, Michigan
CLIENT City of Ann Arbor
PROJECT NUMBER 672B
DRILLER Mickey Probst HELPER Joe Harvey
INSTALLATION DATE 6/1/92

BORING/WELL NUMBER MW-4
SURFACE ELEVATION N/A ft.
TOP OF CASING ELEVATION N/A ft.
STATIC WATER LEVEL 10 ft.
DEVELOPMENT METHOD Bailer
WEATHER N/A

DEPTH (feet)	SAMPLE LOCATION	SAMPLE TYPE	SAMPLE METHOD	GRAPHIC LOG	SOIL CLASS
5		Soil	Split Spoon		
		Soil	Split Spoon		
		Soil	Split Spoon		
10		Soil	Split Spoon		
15					Medium Sand, Brown
20					End of Boring at 17 Feet



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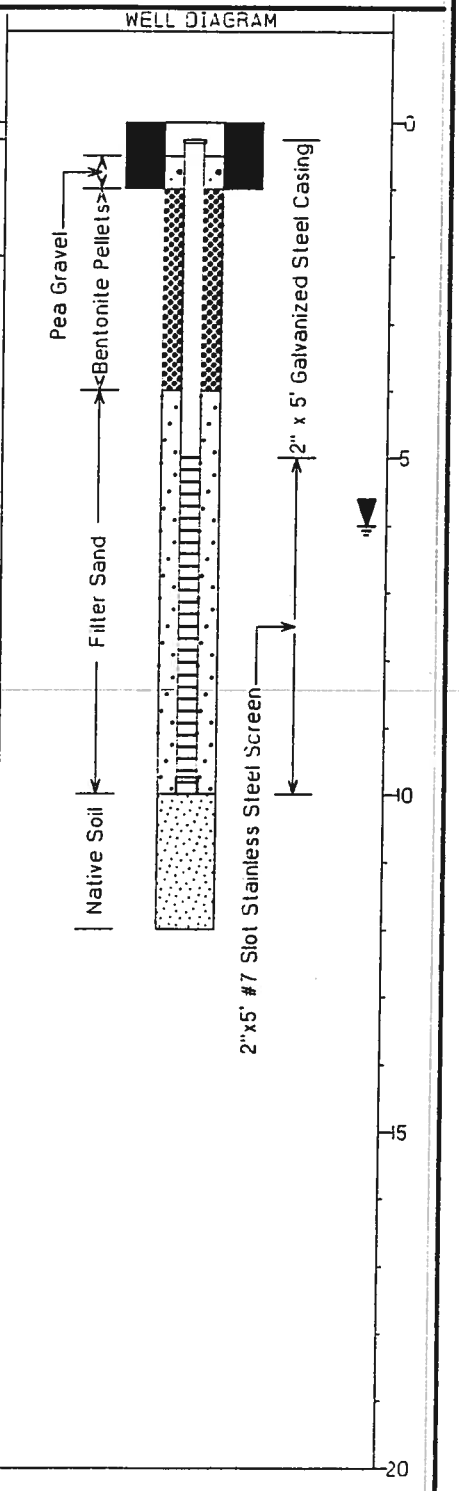
A-5

PROJECT 415 West Washington Street
LOCATION Ann Arbor, Michigan
CLIENT City of Ann Arbor
PROJECT NUMBER 672B
DRILLER Mickey Probst HELPER Joe Harvey
INSTALLATION DATE 6/1/92

BORING/WELL NUMBER MW-5
SURFACE ELEVATION N/A ft.
TOP OF CASING ELEVATION N/A ft.
STATIC WATER LEVEL 6 ft.
DEVELOPMENT METHOD Bailer
WEATHER N/A

DEPTH (feet)	SAMPLE LOCATION	SAMPLE TYPE	SAMPLE METHOD	GRAPHIC LOG	SOIL CLASS
0					Asphalt
					Concrete
		Soil	Split Spoon		
5		Soil	Split Spoon		
		Soil	Split Spoon		
10					Fine-Medium Sand, Brown-Black
					End of Boring at 12 Feet
15					
20					

WELL DIAGRAM



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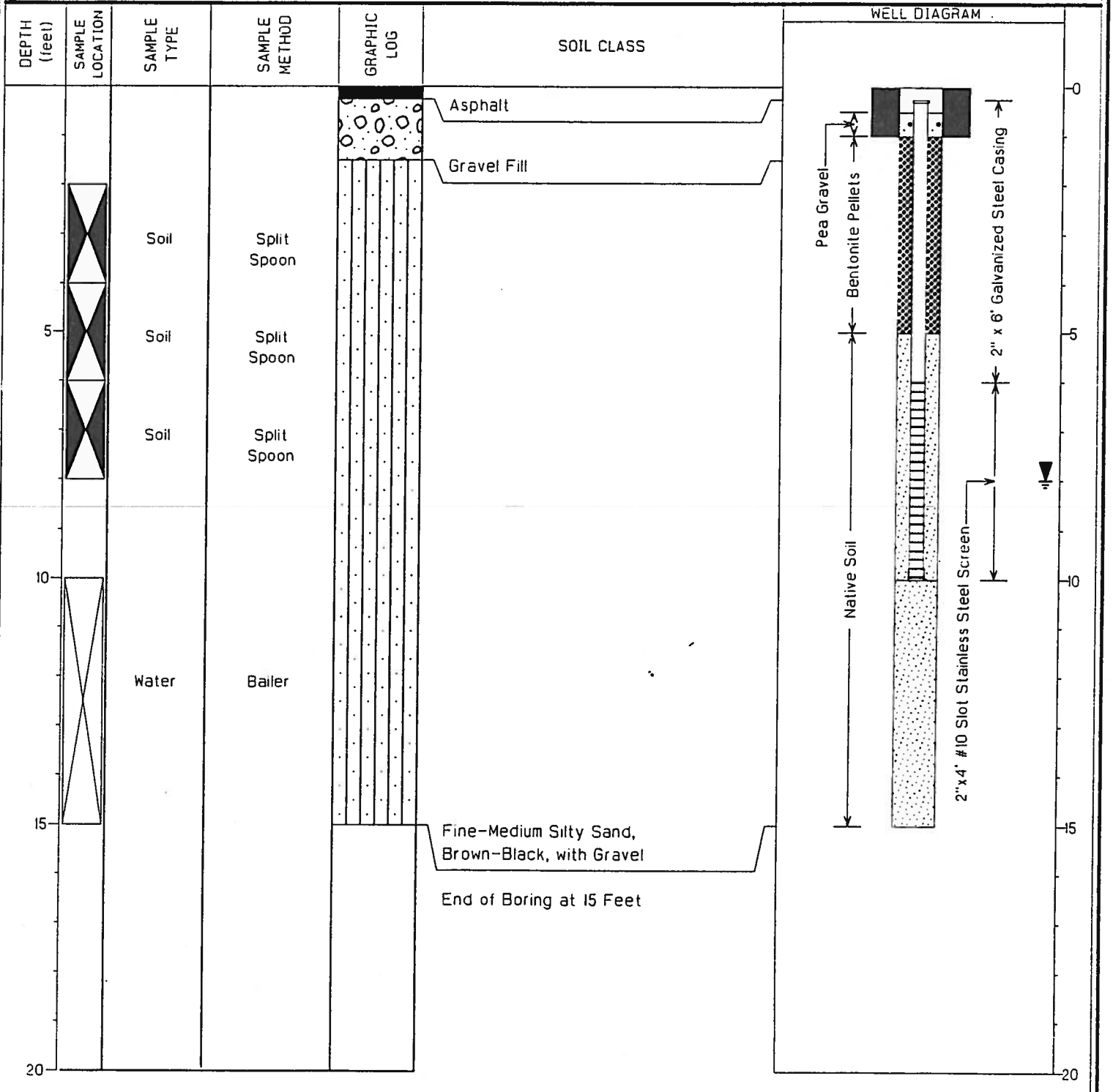
PROJECT 415 West Washington Street
LOCATION Ann Arbor, Michigan
CLIENT City of Ann Arbor
PROJECT NUMBER 672B
DRILLER Mark Stover HELPER Mark Leask
INSTALLATION DATE 6/15/92-6/16/92

BORING/WELL NUMBER AH-1/MW-6
SURFACE ELEVATION N/A ft.
TOP OF CASING ELEVATION N/A ft.
STATIC WATER LEVEL 8 ft.
DEVELOPMENT METHOD Bailer
WEATHER Sunny 70°



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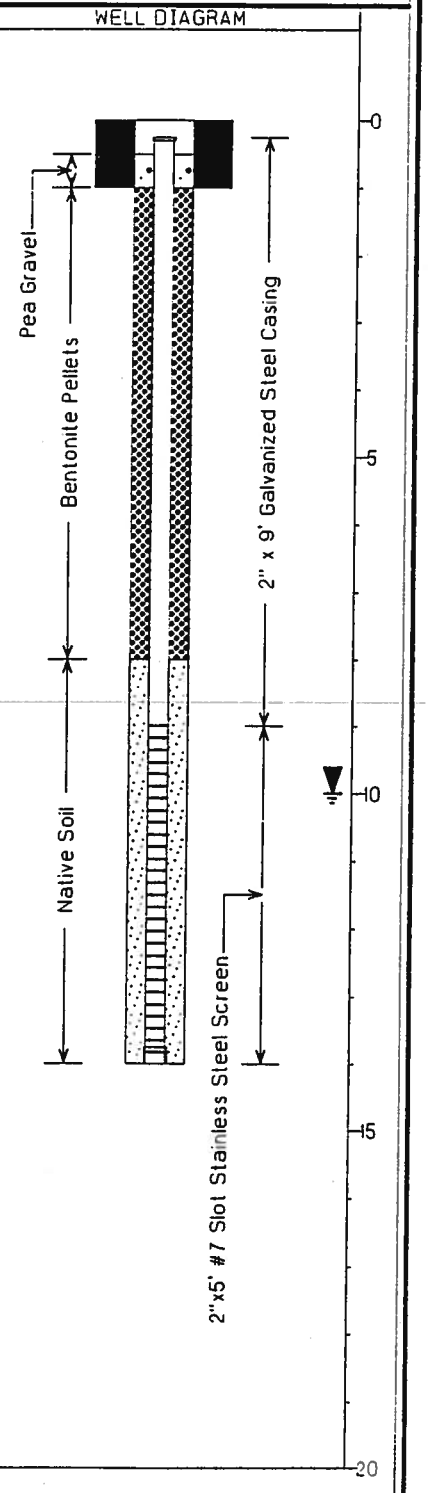
PROJECT 415 West Washington Street
LOCATION Ann Arbor, Michigan
CLIENT City of Ann Arbor
PROJECT NUMBER 672B
DRILLER Libby HELPER Don/Jim
INSTALLATION DATE 7/20/92

BORING/WELL NUMBER MW-7
SURFACE ELEVATION N/A ft.
TOP OF CASING ELEVATION N/A ft.
STATIC WATER LEVEL 10 ft.
DEVELOPMENT METHOD Development Pump
WEATHER N/A

DEPTH (feet)	SAMPLE LOCATION	SAMPLE TYPE	SAMPLE METHOD	GRAPHIC LOG	SOIL CLASS
0					Moist Topsoil, Black
5					Moist Sand Mixed and Cinder Fill
10		Soil	Split Spoon		Moist Organic Clay
		Water	Bailer		Wet Coarse Sand, Brown, with Trace Gravel
15					Wet Medium Sand, Brown, with Trace Gravel
					End of Boring at 14 Feet
20					



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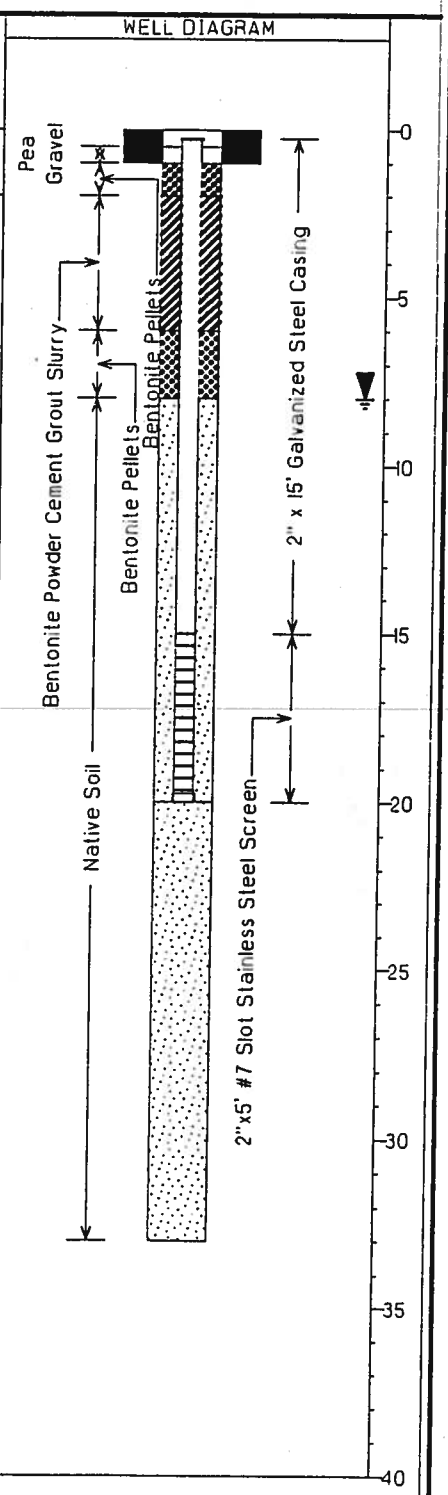
A-21

JJECT 415 West Washington Street
LOCATION Ann Arbor, Michigan
CLIENT City of Ann Arbor
PROJECT NUMBER 6728
DRILLER Mark Leask HELPER Dale Wilson
INSTALLATION DATE 3/15/93

BORING/WELL NUMBER MW-8
SURFACE ELEVATION N/A ft.
TOP OF CASING ELEVATION N/A ft.
STATIC WATER LEVEL 8 ft.
DEVELOPMENT METHOD Development Pump
WEATHER Cloudy 30°

DEPTH (feet)	SAMPLE LOCATION	SAMPLE TYPE	SAMPLE METHOD	GRAPHIC LOG	SOIL CLASS
5		Soil	Split Spoon		Medium-Coarse Sand, Brown with Fine Gravel
		Soil	Split Spoon		
		Soil	Split Spoon		
10		Water	Bailer		Fine-Medium Silty Sand, Gray
15					
20		Water	Bailer		
25					Wet Medium Silty Sand, Gray
					Wet Medium Silty Sand, Gray, with Gravel
30		Water	Bailer		
35					Wet Medium-Coarse Sand
					End of Boring at 33 Feet
40					



Signature

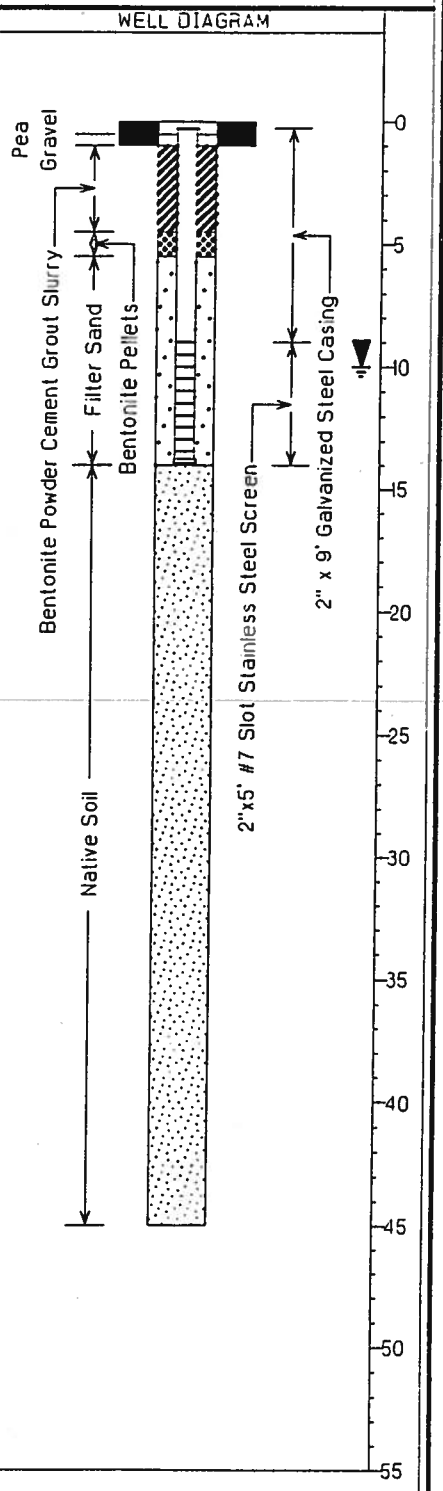
THE TRAVERSE GROUP

TRAVERSE DRILLING
2525 Aero Park Drive
Traverse City, Michigan 49684
(616) 947-2033 FAX: (616) 947-3629

JJECT 415 West Washington Street
LOCATION Ann Arbor, Michigan
CLIENT City of Ann Arbor
PROJECT NUMBER 6728
DRILLER John Dupuie HELPER Sam Clark
INSTALLATION DATE 3/18/93

BORING/WELL NUMBER MW-9
SURFACE ELEVATION N/A ft.
TOP OF CASING ELEVATION N/A ft.
STATIC WATER LEVEL 10 ft.
DEVELOPMENT METHOD Development Pump
WEATHER Sunny 25°

DEPTH (feet)	SAMPLE LOCATION	SAMPLE TYPE	SAMPLE METHOD	GRAPHIC LOG	SOIL CLASS
5		Soil	Split Spoon		Mixed Sand, Gravel, Bricks, Glass, Fill
10		Soil	Split Spoon		
		Soil	Split Spoon		Moist Organics, Black, with Trace Silty Sand
15		Water	Split Spoon Bailer		
20		Water	Bailer		
25					
30		Water	Bailer		
35					
40		Water	Bailer		
45					Wet Fine-Coarse Sand, Brown, with Trace Gravel
50					End of Boring at 45 Feet
55					



Signature

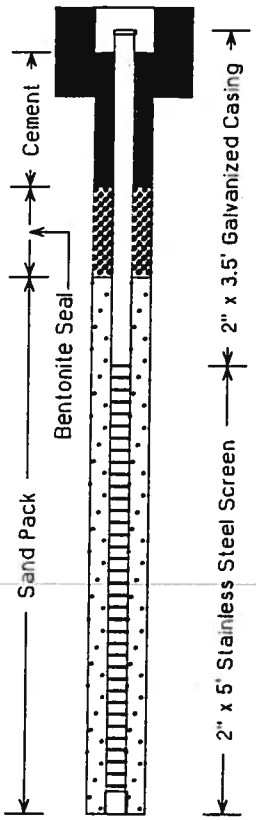
THE TRAVERSE GROUP
3135 Logan Valley Road
Traverse City, Michigan 49684
(616) 947-2033 FAX: (616) 947-3629

PROJECT Parks and Recreation Garage
LOCATION 415 West Washington Street
CLIENT City of Ann Arbor
PROJECT NUMBER 93173
DRILLER Paul Libby/CET HELPER Don Bond/CET
INSTALLATION DATE 11/10/93

BORING/WELL NUMBER MW-10
SURFACE ELEVATION N/A ft.
TOP OF CASING ELEVATION 798.53 ft.
STATIC WATER LEVEL Product in Well
DEVELOPMENT METHOD Bailer
WEATHER Clear, 35°

DEPTH (feet)	SAMPLE LOCATION	SAMPLE TYPE	SAMPLE METHOD	GRAPHIC LOG	SOIL CLASS
0					Asphalt
3					Mixed Sand and Stone
4					Mixed Sand, Stone, Clay and Brick Debris
5					Medium to Coarse Sand
6		Soil	SS		Peat
7					
8					
9					Coarse Sand
					End of Boring at 9 Feet

WELL DIAGRAM



Signature _____

THE TRAVERSE GROUP

3135 Logan Valley Road
Traverse City, Michigan 49684
(616) 947-2033 FAX: (616) 947-3629

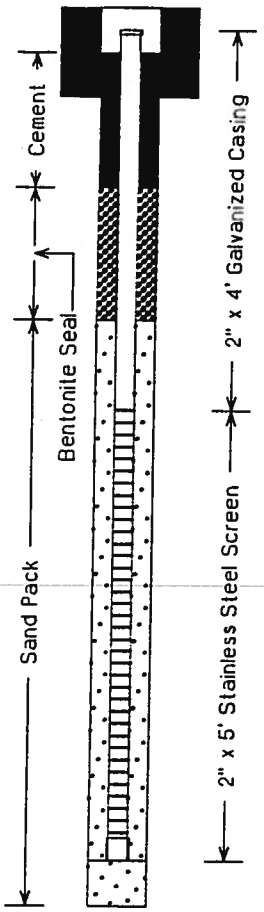
JJECT Parks and Recreation Garage
LOCATION 415 West Washington Street
CLIENT City of Ann Arbor
PROJECT NUMBER 93173
DRILLER Paul Libby/CET HELPER Don Bond/CET
INSTALLATION DATE 11/10/93

BORING/WELL NUMBER MW-11
SURFACE ELEVATION N/A ft.
TOP OF CASING ELEVATION 798.83 ft.
STATIC WATER LEVEL 793.30 ft.
DEVELOPMENT METHOD Bailer
WEATHER Clear, 35°

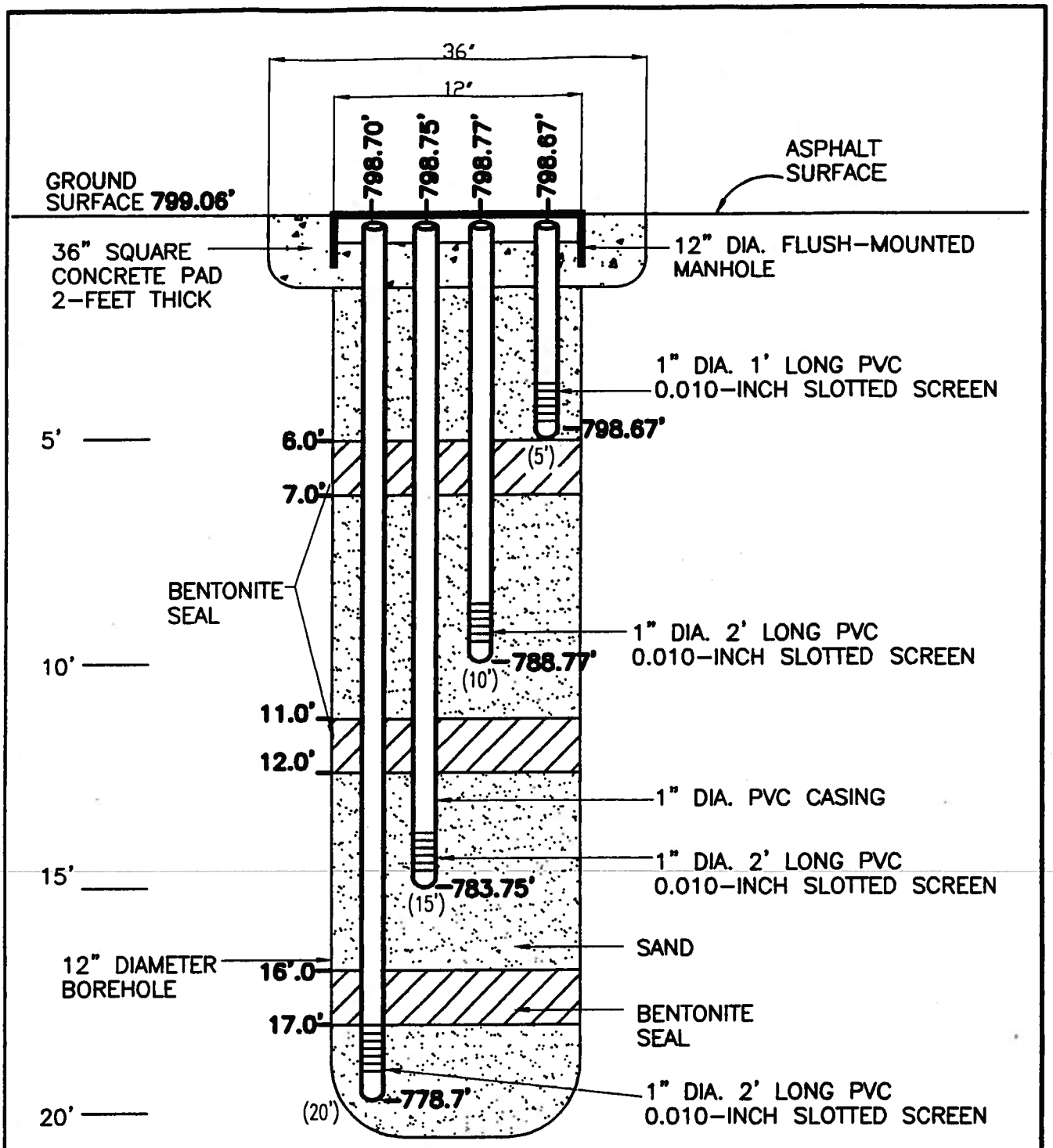
DEPTH (feet)	SAMPLE LOCATION	SAMPLE TYPE	SAMPLE METHOD	GRAPHIC LOG	SOIL CLASS
0-1					Concrete
1-4					Sand and Gravel Fill
5-6		Soil	SS		
6-7					Medium to Coarse Sand, Tan
7-10					Peat
10-15					Medium Sand, Some Silt and Clay

End of Boring at 10 Feet

WELL DIAGRAM



Signature



P-1 PIEZOMETER NEST CONSTRUCTION

INSTALLED 4/7/95
415 W. WASHINGTON
ANN ARBOR, MICHIGAN

NTH CONSULTANTS, LTD.
Professional Engineering & Environmental Services
Farmington Hills, Michigan

PROJECT NO.	DRAWN BY:	DATE:	FIGURE NO.
13-5001-03	KRH	11-01-95	10
SCALE: AS SHOWN	CHECKED BY: CA	SHEET 1 OF 1	

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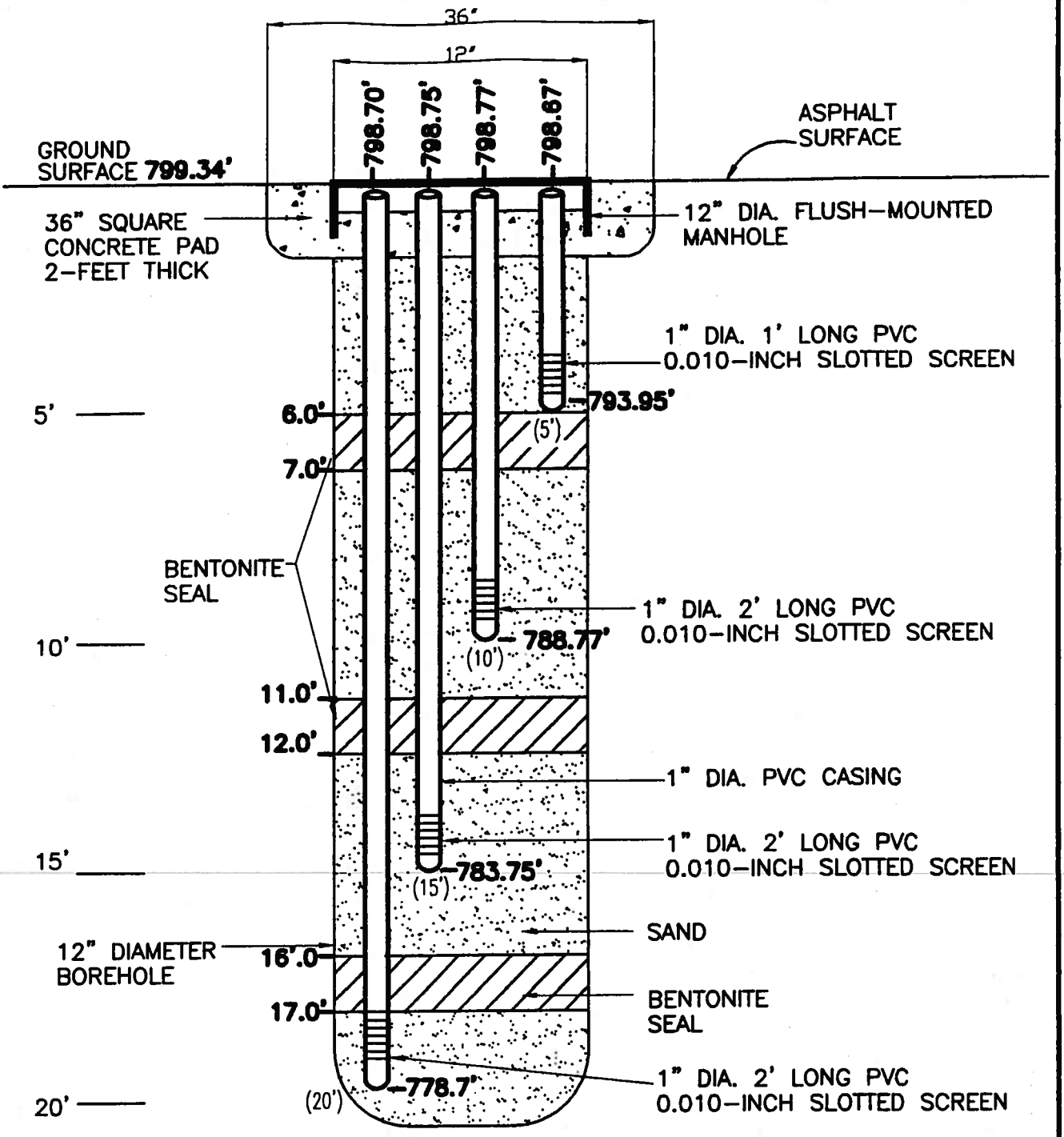

P-2 PIEZOMETER NEST CONSTRUCTION

INSTALLED 4/11/95
415 W. WASHINGTON
ANN ARBOR, MICHIGAN

NTH CONSULTANTS, LTD.
Professional Engineering & Environmental Services
Farmington Hills, Michigan

PROJECT NO.	DRAWN BY:	DATE:	FIGURE NO.
13-5001-03	KRH	11-01-95	11
SCALE: AS SHOWN	CHECKED BY: CA	SHEET 1 OF 1	

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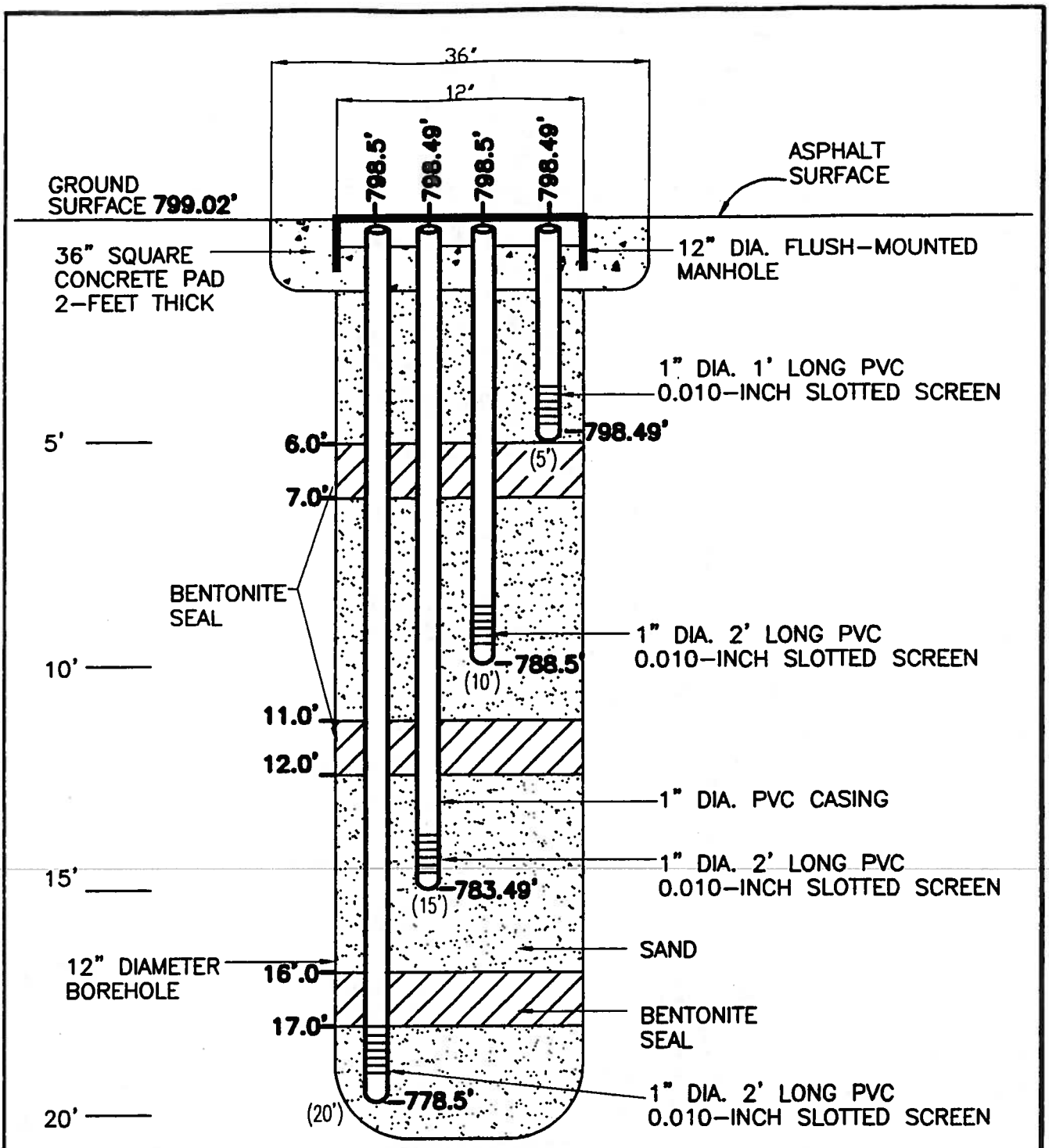

P-3 PIEZOMETER NEST CONSTRUCTION

INSTALLED 4/12/95
415 W. WASHINGTON
ANN ARBOR, MICHIGAN

NTH CONSULTANTS, LTD.
Professional Engineering & Environmental Services
Farmington Hills, Michigan

PROJECT NO.	DRAWN BY:	DATE:	FIGURE NO.
13-5001-03	KRH	11-01-95	12
SCALE: AS SHOWN	CHECKED BY: CA	SHEET 1 OF 1	

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APPENDIX B

GROUNDWATER AND SOIL LABORATORY ANALYTICAL REPORTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-20086-1
Client Project/Site: 415 West Washington - 117-1054001/02

For:
Tetra Tech GEO
710 Avis Drive
Ann Arbor, Michigan 48108

Attn: Patti McCall

Authorized for release by:
1/31/2013 4:16:52 PM

Kris Brooks
Project Manager II
kris.brooks@testamericainc.com

Table of Contents

Definitions/Glossary

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-20086-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Tetra Tech GEO

Project: 415 West Washington - 117-1054001/02

Report Number: 240-20086-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

The 6020 Metals and 7470A Mercury analysis were performed at the TestAmerica Pittsburgh Laboratory.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

All parameters were evaluated to the method detection limit and include qualified results where applicable.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 01/18/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 2.5, 2.8 and 3.1 C.

The following sample(s) was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC) 20086-8.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-2 (240-20086-1), MW-4 (240-20086-2), MW-5 (240-20086-3), MW-6 (240-20086-4), MW-8 (240-20086-5), MW-9 (240-20086-6), MW-10 (240-20086-7), MW-11 (240-20086-8), P-3-15' (240-20086-9), STORMWATER-1 (240-20086-10) and TRIP BLANK (240-20086-11) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 01/22/2013, 01/23/2013 and 01/24/2013.

Methylene Chloride was detected in method blank MB 240-73083/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

Job ID: 240-20086-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

Sample MW-5 (240-20086-3)[3.33X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following sample(s) submitted for volatiles analysis was received with insufficient preservation (pH >2): 420M-011613-1105 (240-20105-1), MW-11 (240-20086-8).

No other difficulties were encountered during the VOCs analyses. All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-2 (240-20086-1), MW-4 (240-20086-2), MW-5 (240-20086-3), MW-8 (240-20086-5), MW-9 (240-20086-6), MW-10 (240-20086-7), P-3-15' (240-20086-9) and STORMWATER-1 (240-20086-10) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 01/21/2013 and analyzed on 01/23/2013.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

No other difficulties were encountered during the SVOCs analyses. All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples MW-8 (240-20086-5) and STORMWATER-1 (240-20086-10) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The samples were prepared on 01/21/2013 and analyzed on 01/22/2013.

Surrogates are added during the extraction process prior to dilution. When the sample dilution is 5X or greater, surrogate recoveries are diluted out and no corrective action is required.

No other difficulties were encountered during the PCBs analyses. All quality control parameters were within the acceptance limits.

DISSOLVED METALS (ICPMS)

Samples MW-2 (240-20086-1), MW-4 (240-20086-2), MW-5 (240-20086-3), MW-8 (240-20086-5), MW-9 (240-20086-6), MW-10 (240-20086-7), MW-11 (240-20086-8), P-3-15' (240-20086-9) and STORMWATER-1 (240-20086-10) were analyzed for dissolved metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 01/21/2013 and analyzed on 01/30/2013.

Sodium was detected in method blank MB 180-61561/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

No other difficulties were encountered during the metals analyses. All quality control parameters were within the acceptance limits.

DISSOLVED MERCURY (CVAA)

Samples MW-2 (240-20086-1), MW-4 (240-20086-2), MW-5 (240-20086-3), MW-8 (240-20086-5), MW-9 (240-20086-6), MW-10 (240-20086-7), MW-11 (240-20086-8), P-3-15' (240-20086-9) and STORMWATER-1 (240-20086-10) were analyzed for dissolved mercury (CVAA) in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 01/21/2013.

No difficulties were encountered during the mercury analyses. All quality control parameters were within the acceptance limits.

ANIONS

Samples MW-2 (240-20086-1), MW-4 (240-20086-2), MW-5 (240-20086-3), MW-8 (240-20086-5), MW-9 (240-20086-6), MW-10 (240-20086-7), MW-11 (240-20086-8), P-3-15' (240-20086-9) and STORMWATER-1 (240-20086-10) were analyzed for anions in accordance with EPA Method 300.0. The samples were analyzed on 01/25/2013.

Samples MW-2 (240-20086-1)[5X], MW-4 (240-20086-2)[10X], MW-5 (240-20086-3)[5X], MW-8 (240-20086-5)[10X], MW-9 (240-20086-6)[10X], MW-10 (240-20086-7)[20X], MW-11 (240-20086-8)[20X] and P-3-15' (240-20086-9)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the anions analyses. All quality control parameters were within the acceptance limits.

Method Summary

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NC
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NC
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL NC
6020	Metals (ICP/MS)	SW846	TAL PIT
7470A	Mercury (CVAA)	SW846	TAL PIT
300.0	Anions, Ion Chromatography	MCAWW	TAL NC

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-20086-1	MW-2	Water	01/16/13 13:35	01/18/13 09:15
240-20086-2	MW-4	Water	01/15/13 13:10	01/18/13 09:15
240-20086-3	MW-5	Water	01/15/13 12:00	01/18/13 09:15
240-20086-4	MW-6	Water	01/16/13 11:40	01/18/13 09:15
240-20086-5	MW-8	Water	01/15/13 15:18	01/18/13 09:15
240-20086-6	MW-9	Water	01/16/13 10:58	01/18/13 09:15
240-20086-7	MW-10	Water	01/16/13 12:00	01/18/13 09:15
240-20086-8	MW-11	Water	01/16/13 10:00	01/18/13 09:15
240-20086-9	P-3-15'	Water	01/16/13 14:40	01/18/13 09:15
240-20086-10	STORMWATER-1	Water	01/16/13 15:20	01/18/13 09:15
240-20086-11	TRIP BLANK	Water	01/15/13 00:00	01/18/13 09:15

Detection Summary

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: MW-2 — Lab Sample ID: 240-20086-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.23	J	1.0	0.16	ug/L	1		8260B	Total/NA
Tetrachloroethene	1.1		1.0	0.29	ug/L	1		8260B	Total/NA
Trichloroethene	5.3		1.0	0.17	ug/L	1		8260B	Total/NA
Benzo[a]anthracene	0.17	J	0.98	0.098	ug/L	1		8270C	Total/NA
Benzo[a]pyrene	0.64	J	0.98	0.098	ug/L	1		8270C	Total/NA
Benzo[b]fluoranthene	0.52	J	0.98	0.098	ug/L	1		8270C	Total/NA
Benzo[g,h,i]perylene	0.15	J	0.98	0.098	ug/L	1		8270C	Total/NA
Benzo[k]fluoranthene	0.10	J	0.98	0.098	ug/L	1		8270C	Total/NA
Chrysene	0.15	J	0.98	0.098	ug/L	1		8270C	Total/NA
Fluoranthene	0.24	J	0.98	0.098	ug/L	1		8270C	Total/NA
Indeno[1,2,3-cd]pyrene	0.64	J	2.0	0.098	ug/L	1		8270C	Total/NA
Pyrene	0.20	J	4.9	0.098	ug/L	1		8270C	Total/NA
Barium	77		10	0.098	ug/L	1		6020	Dissolved
Chromium	0.84	J	2.0	0.54	ug/L	1		6020	Dissolved
Sodium	180000	B	100	3.8	ug/L	1		6020	Dissolved
Lead	0.020	J	1.0	0.019	ug/L	1		6020	Dissolved
Selenium	1.0	J	5.0	0.42	ug/L	1		6020	Dissolved
Zinc	3.8	J	5.0	0.96	ug/L	1		6020	Dissolved
Chloride	360		5.0	0.50	mg/L	5		300.0	Total/NA

Client Sample ID: MW-4 — Lab Sample ID: 240-20086-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	110		10	0.098	ug/L	1		6020	Dissolved
Chromium	0.66	J	2.0	0.54	ug/L	1		6020	Dissolved
Sodium	300000	B	100	3.8	ug/L	1		6020	Dissolved
Lead	0.027	J	1.0	0.019	ug/L	1		6020	Dissolved
Zinc	120		5.0	0.96	ug/L	1		6020	Dissolved
Chloride	680		10	1.0	mg/L	10		300.0	Total/NA

Client Sample ID: MW-5 — Lab Sample ID: 240-20086-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.0	J	33	3.7	ug/L	3.33		8260B	Total/NA
Carbon tetrachloride	0.62	J	3.3	0.43	ug/L	3.33		8260B	Total/NA
Chloroform	3.2	J	3.3	0.53	ug/L	3.33		8260B	Total/NA
Trichloroethene	110		3.3	0.57	ug/L	3.33		8260B	Total/NA
1,1,1-Trichloroethane	18		3.3	0.73	ug/L	3.33		8260B	Total/NA
Barium	46		10	0.098	ug/L	1		6020	Dissolved
Chromium	1.1	J	2.0	0.54	ug/L	1		6020	Dissolved
Sodium	140000	B	100	3.8	ug/L	1		6020	Dissolved
Selenium	1.6	J	5.0	0.42	ug/L	1		6020	Dissolved
Zinc	17		5.0	0.96	ug/L	1		6020	Dissolved
Chloride	260		5.0	0.50	mg/L	5		300.0	Total/NA

Client Sample ID: MW-6 — Lab Sample ID: 240-20086-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	46		10	1.1	ug/L	1		8260B	Total/NA
Benzene	5.4		1.0	0.13	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-6 (Continued) — Lab Sample ID: 240-20086-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	7.1	J	10	0.57	ug/L	1		8260B	Total/NA
Carbon disulfide	0.13	J	5.0	0.13	ug/L	1		8260B	Total/NA
Ethylbenzene	17		1.0	0.17	ug/L	1		8260B	Total/NA
4-Methyl-2-pentanone (MIBK)	3.2	J	10	0.32	ug/L	1		8260B	Total/NA
Toluene	2.2		1.0	0.13	ug/L	1		8260B	Total/NA
Xylenes, Total	91		2.0	0.28	ug/L	1		8260B	Total/NA
Cyclohexane	9.5		1.0	0.12	ug/L	1		8260B	Total/NA
Isopropylbenzene	1.9		1.0	0.13	ug/L	1		8260B	Total/NA
Methylcyclohexane	29		1.0	0.13	ug/L	1		8260B	Total/NA

Client Sample ID: MW-8 — Lab Sample ID: 240-20086-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	140		10	0.098	ug/L	1		6020	Dissolved
Chromium	0.94	J	2.0	0.54	ug/L	1		6020	Dissolved
Sodium	270000	B	100	3.8	ug/L	1		6020	Dissolved
Lead	0.17	J	1.0	0.019	ug/L	1		6020	Dissolved
Zinc	1500		5.0	0.96	ug/L	1		6020	Dissolved
Mercury	0.043	J	0.20	0.038	ug/L	1		7470A	Dissolved
Chloride	610		10	1.0	mg/L	10		300.0	Total/NA

Client Sample ID: MW-9 — Lab Sample ID: 240-20086-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	180		10	0.098	ug/L	1		6020	Dissolved
Chromium	0.79	J	2.0	0.54	ug/L	1		6020	Dissolved
Sodium	280000	B	100	3.8	ug/L	1		6020	Dissolved
Nickel	0.22	J	1.0	0.17	ug/L	1		6020	Dissolved
Zinc	34		5.0	0.96	ug/L	1		6020	Dissolved
Chloride	610		10	1.0	mg/L	10		300.0	Total/NA

Client Sample ID: MW-10 — Lab Sample ID: 240-20086-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyclohexane	0.20	J	1.0	0.12	ug/L	1		8260B	Total/NA
Methylcyclohexane	0.19	J	1.0	0.13	ug/L	1		8260B	Total/NA
Benzo[a]anthracene	0.11	J	1.0	0.10	ug/L	1		8270C	Total/NA
Benzo[a]pyrene	0.62	J	1.0	0.10	ug/L	1		8270C	Total/NA
Benzo[b]fluoranthene	0.50	J	1.0	0.10	ug/L	1		8270C	Total/NA
Benzo[g,h,i]perylene	0.14	J	1.0	0.10	ug/L	1		8270C	Total/NA
Chrysene	0.19	J	1.0	0.10	ug/L	1		8270C	Total/NA
Fluoranthene	0.46	J	1.0	0.10	ug/L	1		8270C	Total/NA
Indeno[1,2,3-cd]pyrene	0.60	J	2.0	0.10	ug/L	1		8270C	Total/NA
Phenanthrene	0.13	J	2.0	0.10	ug/L	1		8270C	Total/NA
Pyrene	0.30	J	5.0	0.10	ug/L	1		8270C	Total/NA
Arsenic	1.6		1.0	0.29	ug/L	1		6020	Dissolved
Barium	69		10	0.098	ug/L	1		6020	Dissolved
Chromium	1.3	J	2.0	0.54	ug/L	1		6020	Dissolved
Sodium	630000	B	100	3.8	ug/L	1		6020	Dissolved
Nickel	0.97	J	1.0	0.17	ug/L	1		6020	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-10 (Continued) — Lab Sample ID: 240-20086-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.096	J	1.0	0.019	ug/L	1		6020	Dissolved
Zinc	230		5.0	0.96	ug/L	1		6020	Dissolved
Chloride	1200		20	2.0	mg/L	20		300.0	Total/NA

Client Sample ID: MW-11 — Lab Sample ID: 240-20086-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.5	J	10	1.1	ug/L	1		8260B	Total/NA
Carbon disulfide	0.22	J	5.0	0.13	ug/L	1		8260B	Total/NA
Arsenic	1.8		1.0	0.29	ug/L	1		6020	Dissolved
Barium	41		10	0.098	ug/L	1		6020	Dissolved
Chromium	1.1	J	2.0	0.54	ug/L	1		6020	Dissolved
Nickel	3.8		1.0	0.17	ug/L	1		6020	Dissolved
Lead	0.14	J	1.0	0.019	ug/L	1		6020	Dissolved
Zinc	21		5.0	0.96	ug/L	1		6020	Dissolved
Chloride	580		20	2.0	mg/L	20		300.0	Total/NA

Client Sample ID: P-3-15' — Lab Sample ID: 240-20086-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.24	J	1.0	0.10	ug/L	1		8270C	Total/NA
Benzo[a]pyrene	0.71	J	1.0	0.10	ug/L	1		8270C	Total/NA
Benzo[b]fluoranthene	0.66	J	1.0	0.10	ug/L	1		8270C	Total/NA
Benzo[g,h,i]perylene	0.20	J	1.0	0.10	ug/L	1		8270C	Total/NA
Benzo[k]fluoranthene	0.13	J	1.0	0.10	ug/L	1		8270C	Total/NA
Chrysene	0.22	J	1.0	0.10	ug/L	1		8270C	Total/NA
Fluoranthene	0.36	J	1.0	0.10	ug/L	1		8270C	Total/NA
Indeno[1,2,3-cd]pyrene	0.68	J	2.0	0.10	ug/L	1		8270C	Total/NA
Phenanthrene	0.11	J	2.0	0.10	ug/L	1		8270C	Total/NA
Pyrene	0.29	J	5.0	0.10	ug/L	1		8270C	Total/NA
Barium	95		10	0.098	ug/L	1		6020	Dissolved
Chromium	0.92	J	2.0	0.54	ug/L	1		6020	Dissolved
Sodium	330000	B	100	3.8	ug/L	1		6020	Dissolved
Nickel	0.44	J	1.0	0.17	ug/L	1		6020	Dissolved
Lead	0.029	J	1.0	0.019	ug/L	1		6020	Dissolved
Zinc	3.4	J	5.0	0.96	ug/L	1		6020	Dissolved
Chloride	630		10	1.0	mg/L	10		300.0	Total/NA

Client Sample ID: STORMWATER-1 — Lab Sample ID: 240-20086-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.17	J	1.0	0.10	ug/L	1		8270C	Total/NA
Benzo[a]pyrene	0.67	J	1.0	0.10	ug/L	1		8270C	Total/NA
Benzo[b]fluoranthene	0.57	J	1.0	0.10	ug/L	1		8270C	Total/NA
Benzo[k]fluoranthene	0.12	J	1.0	0.10	ug/L	1		8270C	Total/NA
Chrysene	0.20	J	1.0	0.10	ug/L	1		8270C	Total/NA
Fluoranthene	0.27	J	1.0	0.10	ug/L	1		8270C	Total/NA
Pyrene	0.24	J	5.1	0.10	ug/L	1		8270C	Total/NA
Barium	39		10	0.098	ug/L	1		6020	Dissolved
Chromium	0.61	J	2.0	0.54	ug/L	1		6020	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: STORMWATER-1 (Continued)

Lab Sample ID: 240-20086-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	62000	B	100	3.8	ug/L	1		6020	Dissolved
Nickel	0.29	J	1.0	0.17	ug/L	1		6020	Dissolved
Lead	0.13	J	1.0	0.019	ug/L	1		6020	Dissolved
Selenium	0.67	J	5.0	0.42	ug/L	1		6020	Dissolved
Zinc	15		5.0	0.96	ug/L	1		6020	Dissolved
Chloride	110		1.0	0.10	mg/L	1		300.0	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-20086-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.2	J	10	1.1	ug/L	1		8260B	Total/NA
Methylene Chloride	0.75	J B	5.0	0.33	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: MW-2
Date Collected: 01/16/13 13:35
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.1	U	10	1.1	ug/L			01/23/13 19:04	1
Benzene	0.13	U	1.0	0.13	ug/L			01/23/13 19:04	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			01/23/13 19:04	1
Bromoform	0.64	U	1.0	0.64	ug/L			01/23/13 19:04	1
Bromomethane	0.41	U	1.0	0.41	ug/L			01/23/13 19:04	1
2-Butanone (MEK)	0.57	U	10	0.57	ug/L			01/23/13 19:04	1
Carbon disulfide	0.13	U	5.0	0.13	ug/L			01/23/13 19:04	1
Carbon tetrachloride	0.13	U	1.0	0.13	ug/L			01/23/13 19:04	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			01/23/13 19:04	1
Chloroethane	0.29	U	1.0	0.29	ug/L			01/23/13 19:04	1
Chloroform	**0.23**	**J**	1.0	0.16	ug/L			01/23/13 19:04	1
Chloromethane	0.30	U	1.0	0.30	ug/L			01/23/13 19:04	1
1,1-Dichloroethane	0.15	U	1.0	0.15	ug/L			01/23/13 19:04	1
1,2-Dichloroethane	0.22	U	1.0	0.22	ug/L			01/23/13 19:04	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/23/13 19:04	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			01/23/13 19:04	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/23/13 19:04	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			01/23/13 19:04	1
Ethylbenzene	0.17	U	1.0	0.17	ug/L			01/23/13 19:04	1
2-Hexanone	0.41	U	10	0.41	ug/L			01/23/13 19:04	1
Methylene Chloride	0.33	U	5.0	0.33	ug/L			01/23/13 19:04	1
4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32	ug/L			01/23/13 19:04	1
Styrene	0.11	U	1.0	0.11	ug/L			01/23/13 19:04	1
1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18	ug/L			01/23/13 19:04	1
Tetrachloroethene	**1.1**		1.0	0.29	ug/L			01/23/13 19:04	1
Toluene	0.13	U	1.0	0.13	ug/L			01/23/13 19:04	1
Trichloroethene	**5.3**		1.0	0.17	ug/L			01/23/13 19:04	1
Vinyl chloride	0.22	U	1.0	0.22	ug/L			01/23/13 19:04	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			01/23/13 19:04	1
1,1,1-Trichloroethane	0.22	U	1.0	0.22	ug/L			01/23/13 19:04	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			01/23/13 19:04	1
Cyclohexane	0.12	U	1.0	0.12	ug/L			01/23/13 19:04	1
1,2-Dibromo-3-Chloropropane	0.67	U	1.0	0.67	ug/L			01/23/13 19:04	1
1,2-Dibromoethane	0.24	U	1.0	0.24	ug/L			01/23/13 19:04	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/23/13 19:04	1
cis-1,2-Dichloroethene	0.17	U	1.0	0.17	ug/L			01/23/13 19:04	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/23/13 19:04	1
Isopropylbenzene	0.13	U	1.0	0.13	ug/L			01/23/13 19:04	1
Methyl acetate	0.38	U	10	0.38	ug/L			01/23/13 19:04	1
Methyl tert-butyl ether	0.17	U	5.0	0.17	ug/L			01/23/13 19:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.28	U	1.0	0.28	ug/L			01/23/13 19:04	1
1,2,4-Trichlorobenzene	0.15	U	1.0	0.15	ug/L			01/23/13 19:04	1
1,2-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/23/13 19:04	1
1,3-Dichlorobenzene	0.14	U	1.0	0.14	ug/L			01/23/13 19:04	1
1,4-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/23/13 19:04	1
Trichlorofluoromethane	0.21	U	1.0	0.21	ug/L			01/23/13 19:04	1
Dibromochloromethane	0.18	U	1.0	0.18	ug/L			01/23/13 19:04	1
Methylcyclohexane	0.13	U	1.0	0.13	ug/L			01/23/13 19:04	1

Client Sample ID: MW-2

Date Collected: 01/16/13 13:35
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-1

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*63 - 129*		*01/23/13 19:04*	*1*
4-Bromofluorobenzene (Surr)	*82*		*66 - 117*		*01/23/13 19:04*	*1*
Toluene-d8 (Surr)	*85*		*74 - 115*		*01/23/13 19:04*	*1*
Dibromofluoromethane (Surr)	*84*		*75 - 121*		*01/23/13 19:04*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**0.17**	**J**	0.98	0.098	ug/L		01/21/13 11:18	01/23/13 19:05	1
Benzo[a]pyrene	**0.64**	**J**	0.98	0.098	ug/L		01/21/13 11:18	01/23/13 19:05	1
Benzo[b]fluoranthene	**0.52**	**J**	0.98	0.098	ug/L		01/21/13 11:18	01/23/13 19:05	1
Benzo[g,h,i]perylene	**0.15**	**J**	0.98	0.098	ug/L		01/21/13 11:18	01/23/13 19:05	1
Benzo[k]fluoranthene	**0.10**	**J**	0.98	0.098	ug/L		01/21/13 11:18	01/23/13 19:05	1
Anthracene	0.098	U	4.9	0.098	ug/L		01/21/13 11:18	01/23/13 19:05	1
Chrysene	**0.15**	**J**	0.98	0.098	ug/L		01/21/13 11:18	01/23/13 19:05	1
Dibenz(a,h)anthracene	0.098	U	2.0	0.098	ug/L		01/21/13 11:18	01/23/13 19:05	1
Fluoranthene	**0.24**	**J**	0.98	0.098	ug/L		01/21/13 11:18	01/23/13 19:05	1
Fluorene	0.098	U	4.9	0.098	ug/L		01/21/13 11:18	01/23/13 19:05	1
Indeno[1,2,3-cd]pyrene	**0.64**	**J**	2.0	0.098	ug/L		01/21/13 11:18	01/23/13 19:05	1
Phenanthrene	0.098	U	2.0	0.098	ug/L		01/21/13 11:18	01/23/13 19:05	1
Pyrene	**0.20**	**J**	4.9	0.098	ug/L		01/21/13 11:18	01/23/13 19:05	1
Acenaphthene	0.098	U	4.9	0.098	ug/L		01/21/13 11:18	01/23/13 19:05	1
Acenaphthylene	0.098	U	4.9	0.098	ug/L		01/21/13 11:18	01/23/13 19:05	1
Naphthalene	0.098	U	4.9	0.098	ug/L		01/21/13 11:18	01/23/13 19:05	1
2-Methylnaphthalene	0.098	U	4.9	0.098	ug/L		01/21/13 11:18	01/23/13 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*20 - 110*	*01/21/13 11:18*	*01/23/13 19:05*	*1*
2-Fluorophenol (Surr)	*73*		*10 - 110*	*01/21/13 11:18*	*01/23/13 19:05*	*1*
2,4,6-Tribromophenol (Surr)	*76*		*21 - 110*	*01/21/13 11:18*	*01/23/13 19:05*	*1*
Nitrobenzene-d5 (Surr)	*63*		*21 - 110*	*01/21/13 11:18*	*01/23/13 19:05*	*1*
Phenol-d5 (Surr)	*76*		*21 - 110*	*01/21/13 11:18*	*01/23/13 19:05*	*1*
Terphenyl-d14 (Surr)	*70*		*24 - 110*	*01/21/13 11:18*	*01/23/13 19:05*	*1*

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.036	U	1.0	0.036	ug/L		01/21/13 13:44	01/30/13 21:10	1
Arsenic	0.29	U	1.0	0.29	ug/L		01/21/13 13:44	01/30/13 21:10	1
Barium	**77**		10	0.098	ug/L		01/21/13 13:44	01/30/13 21:10	1
Cadmium	0.11	U	1.0	0.11	ug/L		01/21/13 13:44	01/30/13 21:10	1
Chromium	**0.84**	**J**	2.0	0.54	ug/L		01/21/13 13:44	01/30/13 21:10	1
Sodium	**180000**	**B**	100	3.8	ug/L		01/21/13 13:44	01/30/13 21:10	1
Nickel	0.17	U	1.0	0.17	ug/L		01/21/13 13:44	01/30/13 21:10	1
Lead	**0.020**	**J**	1.0	0.019	ug/L		01/21/13 13:44	01/30/13 21:10	1
Selenium	**1.0**	**J**	5.0	0.42	ug/L		01/21/13 13:44	01/30/13 21:10	1
Zinc	**3.8**	**J**	5.0	0.96	ug/L		01/21/13 13:44	01/30/13 21:10	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038	U	0.20	0.038	ug/L		01/21/13 11:49	01/21/13 16:34	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: MW-2
Date Collected: 01/16/13 13:35
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-1
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	360		5.0	0.50	mg/L			01/25/13 15:56	5

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: MW-4
Date Collected: 01/15/13 13:10
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.1	U	10	1.1	ug/L			01/23/13 19:26	1
Benzene	0.13	U	1.0	0.13	ug/L			01/23/13 19:26	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			01/23/13 19:26	1
Bromoform	0.64	U	1.0	0.64	ug/L			01/23/13 19:26	1
Bromomethane	0.41	U	1.0	0.41	ug/L			01/23/13 19:26	1
2-Butanone (MEK)	0.57	U	10	0.57	ug/L			01/23/13 19:26	1
Carbon disulfide	0.13	U	5.0	0.13	ug/L			01/23/13 19:26	1
Carbon tetrachloride	0.13	U	1.0	0.13	ug/L			01/23/13 19:26	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			01/23/13 19:26	1
Chloroethane	0.29	U	1.0	0.29	ug/L			01/23/13 19:26	1
Chloroform	0.16	U	1.0	0.16	ug/L			01/23/13 19:26	1
Chloromethane	0.30	U	1.0	0.30	ug/L			01/23/13 19:26	1
1,1-Dichloroethane	0.15	U	1.0	0.15	ug/L			01/23/13 19:26	1
1,2-Dichloroethane	0.22	U	1.0	0.22	ug/L			01/23/13 19:26	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/23/13 19:26	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			01/23/13 19:26	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/23/13 19:26	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			01/23/13 19:26	1
Ethylbenzene	0.17	U	1.0	0.17	ug/L			01/23/13 19:26	1
2-Hexanone	0.41	U	10	0.41	ug/L			01/23/13 19:26	1
Methylene Chloride	0.33	U	5.0	0.33	ug/L			01/23/13 19:26	1
4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32	ug/L			01/23/13 19:26	1
Styrene	0.11	U	1.0	0.11	ug/L			01/23/13 19:26	1
1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18	ug/L			01/23/13 19:26	1
Tetrachloroethene	0.29	U	1.0	0.29	ug/L			01/23/13 19:26	1
Toluene	0.13	U	1.0	0.13	ug/L			01/23/13 19:26	1
Trichloroethene	0.17	U	1.0	0.17	ug/L			01/23/13 19:26	1
Vinyl chloride	0.22	U	1.0	0.22	ug/L			01/23/13 19:26	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			01/23/13 19:26	1
1,1,1-Trichloroethane	0.22	U	1.0	0.22	ug/L			01/23/13 19:26	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			01/23/13 19:26	1
Cyclohexane	0.12	U	1.0	0.12	ug/L			01/23/13 19:26	1
1,2-Dibromo-3-Chloropropane	0.67	U	1.0	0.67	ug/L			01/23/13 19:26	1
1,2-Dibromoethane	0.24	U	1.0	0.24	ug/L			01/23/13 19:26	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/23/13 19:26	1
cis-1,2-Dichloroethene	0.17	U	1.0	0.17	ug/L			01/23/13 19:26	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/23/13 19:26	1
Isopropylbenzene	0.13	U	1.0	0.13	ug/L			01/23/13 19:26	1
Methyl acetate	0.38	U	10	0.38	ug/L			01/23/13 19:26	1
Methyl tert-butyl ether	0.17	U	5.0	0.17	ug/L			01/23/13 19:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.28	U	1.0	0.28	ug/L			01/23/13 19:26	1
1,2,4-Trichlorobenzene	0.15	U	1.0	0.15	ug/L			01/23/13 19:26	1
1,2-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/23/13 19:26	1
1,3-Dichlorobenzene	0.14	U	1.0	0.14	ug/L			01/23/13 19:26	1
1,4-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/23/13 19:26	1
Trichlorofluoromethane	0.21	U	1.0	0.21	ug/L			01/23/13 19:26	1
Dibromochloromethane	0.18	U	1.0	0.18	ug/L			01/23/13 19:26	1
Methylcyclohexane	0.13	U	1.0	0.13	ug/L			01/23/13 19:26	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: MW-4
Date Collected: 01/15/13 13:10
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-2
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*63 - 129*		*01/23/13 19:26*	*1*
4-Bromofluorobenzene (Surr)	*89*		*66 - 117*		*01/23/13 19:26*	*1*
Toluene-d8 (Surr)	*85*		*74 - 115*		*01/23/13 19:26*	*1*
Dibromofluoromethane (Surr)	*86*		*75 - 121*		*01/23/13 19:26*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.096	U	0.96	0.096	ug/L		01/21/13 11:18	01/23/13 16:21	1
Benzo[a]pyrene	0.096	U	0.96	0.096	ug/L		01/21/13 11:18	01/23/13 16:21	1
Benzo[b]fluoranthene	0.096	U	0.96	0.096	ug/L		01/21/13 11:18	01/23/13 16:21	1
Benzo[g,h,i]perylene	0.096	U	0.96	0.096	ug/L		01/21/13 11:18	01/23/13 16:21	1
Benzo[k]fluoranthene	0.096	U	0.96	0.096	ug/L		01/21/13 11:18	01/23/13 16:21	1
Anthracene	0.096	U	4.8	0.096	ug/L		01/21/13 11:18	01/23/13 16:21	1
Chrysene	0.096	U	0.96	0.096	ug/L		01/21/13 11:18	01/23/13 16:21	1
Dibenz(a,h)anthracene	0.096	U	1.9	0.096	ug/L		01/21/13 11:18	01/23/13 16:21	1
Fluoranthene	0.096	U	0.96	0.096	ug/L		01/21/13 11:18	01/23/13 16:21	1
Fluorene	0.096	U	4.8	0.096	ug/L		01/21/13 11:18	01/23/13 16:21	1
Indeno[1,2,3-cd]pyrene	0.096	U	1.9	0.096	ug/L		01/21/13 11:18	01/23/13 16:21	1
Phenanthrene	0.096	U	1.9	0.096	ug/L		01/21/13 11:18	01/23/13 16:21	1
Pyrene	0.096	U	4.8	0.096	ug/L		01/21/13 11:18	01/23/13 16:21	1
Acenaphthene	0.096	U	4.8	0.096	ug/L		01/21/13 11:18	01/23/13 16:21	1
Acenaphthylene	0.096	U	4.8	0.096	ug/L		01/21/13 11:18	01/23/13 16:21	1
Naphthalene	0.096	U	4.8	0.096	ug/L		01/21/13 11:18	01/23/13 16:21	1
2-Methylnaphthalene	0.096	U	4.8	0.096	ug/L		01/21/13 11:18	01/23/13 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*57*		*20 - 110*	*01/21/13 11:18*	*01/23/13 16:21*	*1*
2-Fluorophenol (Surr)	*71*		*10 - 110*	*01/21/13 11:18*	*01/23/13 16:21*	*1*
2,4,6-Tribromophenol (Surr)	*83*		*21 - 110*	*01/21/13 11:18*	*01/23/13 16:21*	*1*
Nitrobenzene-d5 (Surr)	*60*		*21 - 110*	*01/21/13 11:18*	*01/23/13 16:21*	*1*
Phenol-d5 (Surr)	*73*		*21 - 110*	*01/21/13 11:18*	*01/23/13 16:21*	*1*
Terphenyl-d14 (Surr)	*73*		*24 - 110*	*01/21/13 11:18*	*01/23/13 16:21*	*1*

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.036	U	1.0	0.036	ug/L		01/21/13 13:44	01/30/13 21:29	1
Arsenic	0.29	U	1.0	0.29	ug/L		01/21/13 13:44	01/30/13 21:29	1
Barium	**110**		10	0.098	ug/L		01/21/13 13:44	01/30/13 21:29	1
Cadmium	0.11	U	1.0	0.11	ug/L		01/21/13 13:44	01/30/13 21:29	1
Chromium	**0.66**	**J**	2.0	0.54	ug/L		01/21/13 13:44	01/30/13 21:29	1
Sodium	**300000**	**B**	100	3.8	ug/L		01/21/13 13:44	01/30/13 21:29	1
Nickel	0.17	U	1.0	0.17	ug/L		01/21/13 13:44	01/30/13 21:29	1
Lead	**0.027**	**J**	1.0	0.019	ug/L		01/21/13 13:44	01/30/13 21:29	1
Selenium	0.42	U	5.0	0.42	ug/L		01/21/13 13:44	01/30/13 21:29	1
Zinc	**120**		5.0	0.96	ug/L		01/21/13 13:44	01/30/13 21:29	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038	U	0.20	0.038	ug/L		01/21/13 11:49	01/21/13 16:36	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: MW-4
Date Collected: 01/15/13 13:10
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-2
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	680		10	1.0	mg/L			01/25/13 16:17	10

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: MW-5
Date Collected: 01/15/13 12:00
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**4.0**	**J**	33	3.7	ug/L			01/23/13 19:49	3.33
Benzene	0.43	U	3.3	0.43	ug/L			01/23/13 19:49	3.33
Bromodichloromethane	0.50	U	3.3	0.50	ug/L			01/23/13 19:49	3.33
Bromoform	2.1	U	3.3	2.1	ug/L			01/23/13 19:49	3.33
Bromomethane	1.4	U	3.3	1.4	ug/L			01/23/13 19:49	3.33
2-Butanone (MEK)	1.9	U	33	1.9	ug/L			01/23/13 19:49	3.33
Carbon disulfide	0.43	U	17	0.43	ug/L			01/23/13 19:49	3.33
Carbon tetrachloride	**0.62**	**J**	3.3	0.43	ug/L			01/23/13 19:49	3.33
Chlorobenzene	0.50	U	3.3	0.50	ug/L			01/23/13 19:49	3.33
Chloroethane	0.97	U	3.3	0.97	ug/L			01/23/13 19:49	3.33
Chloroform	**3.2**	**J**	3.3	0.53	ug/L			01/23/13 19:49	3.33
Chloromethane	1.0	U	3.3	1.0	ug/L			01/23/13 19:49	3.33
1,1-Dichloroethane	0.50	U	3.3	0.50	ug/L			01/23/13 19:49	3.33
1,2-Dichloroethane	0.73	U	3.3	0.73	ug/L			01/23/13 19:49	3.33
1,1-Dichloroethene	0.63	U	3.3	0.63	ug/L			01/23/13 19:49	3.33
1,2-Dichloropropane	0.60	U	3.3	0.60	ug/L			01/23/13 19:49	3.33
cis-1,3-Dichloropropene	0.47	U	3.3	0.47	ug/L			01/23/13 19:49	3.33
trans-1,3-Dichloropropene	0.63	U	3.3	0.63	ug/L			01/23/13 19:49	3.33
Ethylbenzene	0.57	U	3.3	0.57	ug/L			01/23/13 19:49	3.33
2-Hexanone	1.4	U	33	1.4	ug/L			01/23/13 19:49	3.33
Methylene Chloride	1.1	U	17	1.1	ug/L			01/23/13 19:49	3.33
4-Methyl-2-pentanone (MIBK)	1.1	U	33	1.1	ug/L			01/23/13 19:49	3.33
Styrene	0.37	U	3.3	0.37	ug/L			01/23/13 19:49	3.33
1,1,2,2-Tetrachloroethane	0.60	U	3.3	0.60	ug/L			01/23/13 19:49	3.33
Tetrachloroethene	0.97	U	3.3	0.97	ug/L			01/23/13 19:49	3.33
Toluene	0.43	U	3.3	0.43	ug/L			01/23/13 19:49	3.33
Trichloroethene	**110**		3.3	0.57	ug/L			01/23/13 19:49	3.33
Vinyl chloride	0.73	U	3.3	0.73	ug/L			01/23/13 19:49	3.33
Xylenes, Total	0.93	U	6.7	0.93	ug/L			01/23/13 19:49	3.33
1,1,1-Trichloroethane	**18**		3.3	0.73	ug/L			01/23/13 19:49	3.33
1,1,2-Trichloroethane	0.90	U	3.3	0.90	ug/L			01/23/13 19:49	3.33
Cyclohexane	0.40	U	3.3	0.40	ug/L			01/23/13 19:49	3.33
1,2-Dibromo-3-Chloropropane	2.2	U	3.3	2.2	ug/L			01/23/13 19:49	3.33
1,2-Dibromoethane	0.80	U	3.3	0.80	ug/L			01/23/13 19:49	3.33
Dichlorodifluoromethane	1.0	U	3.3	1.0	ug/L			01/23/13 19:49	3.33
cis-1,2-Dichloroethene	0.57	U	3.3	0.57	ug/L			01/23/13 19:49	3.33
trans-1,2-Dichloroethene	0.63	U	3.3	0.63	ug/L			01/23/13 19:49	3.33
Isopropylbenzene	0.43	U	3.3	0.43	ug/L			01/23/13 19:49	3.33
Methyl acetate	1.3	U	33	1.3	ug/L			01/23/13 19:49	3.33
Methyl tert-butyl ether	0.57	U	17	0.57	ug/L			01/23/13 19:49	3.33
1,1,2-Trichloro-1,2,2-trifluoroethane	0.93	U	3.3	0.93	ug/L			01/23/13 19:49	3.33
1,2,4-Trichlorobenzene	0.50	U	3.3	0.50	ug/L			01/23/13 19:49	3.33
1,2-Dichlorobenzene	0.43	U	3.3	0.43	ug/L			01/23/13 19:49	3.33
1,3-Dichlorobenzene	0.47	U	3.3	0.47	ug/L			01/23/13 19:49	3.33
1,4-Dichlorobenzene	0.43	U	3.3	0.43	ug/L			01/23/13 19:49	3.33
Trichlorofluoromethane	0.70	U	3.3	0.70	ug/L			01/23/13 19:49	3.33
Dibromochloromethane	0.60	U	3.3	0.60	ug/L			01/23/13 19:49	3.33
Methylcyclohexane	0.43	U	3.3	0.43	ug/L			01/23/13 19:49	3.33

Client Sample ID: MW-5

Date Collected: 01/15/13 12:00
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-3

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*63 - 129*		*01/23/13 19:49*	*3.33*
4-Bromofluorobenzene (Surr)	*89*		*66 - 117*		*01/23/13 19:49*	*3.33*
Toluene-d8 (Surr)	*85*		*74 - 115*		*01/23/13 19:49*	*3.33*
Dibromofluoromethane (Surr)	*91*		*75 - 121*		*01/23/13 19:49*	*3.33*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.10	U	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 15:10	1
Benzo[a]pyrene	0.10	U	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 15:10	1
Benzo[b]fluoranthene	0.10	U	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 15:10	1
Benzo[g,h,i]perylene	0.10	U	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 15:10	1
Benzo[k]fluoranthene	0.10	U	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 15:10	1
Anthracene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 15:10	1
Chrysene	0.10	U	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 15:10	1
Dibenz(a,h)anthracene	0.10	U	2.0	0.10	ug/L		01/21/13 11:18	01/23/13 15:10	1
Fluoranthene	0.10	U	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 15:10	1
Fluorene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 15:10	1
Indeno[1,2,3-cd]pyrene	0.10	U	2.0	0.10	ug/L		01/21/13 11:18	01/23/13 15:10	1
Phenanthrene	0.10	U	2.0	0.10	ug/L		01/21/13 11:18	01/23/13 15:10	1
Pyrene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 15:10	1
Acenaphthene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 15:10	1
Acenaphthylene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 15:10	1
Naphthalene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 15:10	1
2-Methylnaphthalene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*20 - 110*	*01/21/13 11:18*	*01/23/13 15:10*	*1*
2-Fluorophenol (Surr)	*75*		*10 - 110*	*01/21/13 11:18*	*01/23/13 15:10*	*1*
2,4,6-Tribromophenol (Surr)	*80*		*21 - 110*	*01/21/13 11:18*	*01/23/13 15:10*	*1*
Nitrobenzene-d5 (Surr)	*63*		*21 - 110*	*01/21/13 11:18*	*01/23/13 15:10*	*1*
Phenol-d5 (Surr)	*78*		*21 - 110*	*01/21/13 11:18*	*01/23/13 15:10*	*1*
Terphenyl-d14 (Surr)	*70*		*24 - 110*	*01/21/13 11:18*	*01/23/13 15:10*	*1*

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.036	U	1.0	0.036	ug/L		01/21/13 13:44	01/30/13 21:34	1
Arsenic	0.29	U	1.0	0.29	ug/L		01/21/13 13:44	01/30/13 21:34	1
Barium	**46**		10	0.098	ug/L		01/21/13 13:44	01/30/13 21:34	1
Cadmium	0.11	U	1.0	0.11	ug/L		01/21/13 13:44	01/30/13 21:34	1
Chromium	**1.1**	**J**	2.0	0.54	ug/L		01/21/13 13:44	01/30/13 21:34	1
Sodium	**140000**	**B**	100	3.8	ug/L		01/21/13 13:44	01/30/13 21:34	1
Nickel	0.17	U	1.0	0.17	ug/L		01/21/13 13:44	01/30/13 21:34	1
Lead	0.019	U	1.0	0.019	ug/L		01/21/13 13:44	01/30/13 21:34	1
Selenium	**1.6**	**J**	5.0	0.42	ug/L		01/21/13 13:44	01/30/13 21:34	1
Zinc	**17**		5.0	0.96	ug/L		01/21/13 13:44	01/30/13 21:34	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038	U	0.20	0.038	ug/L		01/21/13 11:49	01/21/13 16:41	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: MW-5
Date Collected: 01/15/13 12:00
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-3
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		5.0	0.50	mg/L			01/25/13 16:37	5

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: MW-6
Date Collected: 01/16/13 11:40
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**46**		10	1.1	ug/L			01/23/13 20:11	1
Benzene	**5.4**		1.0	0.13	ug/L			01/23/13 20:11	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			01/23/13 20:11	1
Bromoform	0.64	U	1.0	0.64	ug/L			01/23/13 20:11	1
Bromomethane	0.41	U	1.0	0.41	ug/L			01/23/13 20:11	1
2-Butanone (MEK)	**7.1**	**J**	10	0.57	ug/L			01/23/13 20:11	1
Carbon disulfide	**0.13**	**J**	5.0	0.13	ug/L			01/23/13 20:11	1
Carbon tetrachloride	0.13	U	1.0	0.13	ug/L			01/23/13 20:11	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			01/23/13 20:11	1
Chloroethane	0.29	U	1.0	0.29	ug/L			01/23/13 20:11	1
Chloroform	0.16	U	1.0	0.16	ug/L			01/23/13 20:11	1
Chloromethane	0.30	U	1.0	0.30	ug/L			01/23/13 20:11	1
1,1-Dichloroethane	0.15	U	1.0	0.15	ug/L			01/23/13 20:11	1
1,2-Dichloroethane	0.22	U	1.0	0.22	ug/L			01/23/13 20:11	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/23/13 20:11	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			01/23/13 20:11	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/23/13 20:11	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			01/23/13 20:11	1
Ethylbenzene	**17**		1.0	0.17	ug/L			01/23/13 20:11	1
2-Hexanone	0.41	U	10	0.41	ug/L			01/23/13 20:11	1
Methylene Chloride	0.33	U	5.0	0.33	ug/L			01/23/13 20:11	1
4-Methyl-2-pentanone (MIBK)	**3.2**	**J**	10	0.32	ug/L			01/23/13 20:11	1
Styrene	0.11	U	1.0	0.11	ug/L			01/23/13 20:11	1
1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18	ug/L			01/23/13 20:11	1
Tetrachloroethene	0.29	U	1.0	0.29	ug/L			01/23/13 20:11	1
Toluene	**2.2**		1.0	0.13	ug/L			01/23/13 20:11	1
Trichloroethene	0.17	U	1.0	0.17	ug/L			01/23/13 20:11	1
Vinyl chloride	0.22	U	1.0	0.22	ug/L			01/23/13 20:11	1
Xylenes, Total	**91**		2.0	0.28	ug/L			01/23/13 20:11	1
1,1,1-Trichloroethane	0.22	U	1.0	0.22	ug/L			01/23/13 20:11	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			01/23/13 20:11	1
Cyclohexane	**9.5**		1.0	0.12	ug/L			01/23/13 20:11	1
1,2-Dibromo-3-Chloropropane	0.67	U	1.0	0.67	ug/L			01/23/13 20:11	1
1,2-Dibromoethane	0.24	U	1.0	0.24	ug/L			01/23/13 20:11	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/23/13 20:11	1
cis-1,2-Dichloroethene	0.17	U	1.0	0.17	ug/L			01/23/13 20:11	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/23/13 20:11	1
Isopropylbenzene	**1.9**		1.0	0.13	ug/L			01/23/13 20:11	1
Methyl acetate	0.38	U	10	0.38	ug/L			01/23/13 20:11	1
Methyl tert-butyl ether	0.17	U	5.0	0.17	ug/L			01/23/13 20:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.28	U	1.0	0.28	ug/L			01/23/13 20:11	1
1,2,4-Trichlorobenzene	0.15	U	1.0	0.15	ug/L			01/23/13 20:11	1
1,2-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/23/13 20:11	1
1,3-Dichlorobenzene	0.14	U	1.0	0.14	ug/L			01/23/13 20:11	1
1,4-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/23/13 20:11	1
Trichlorofluoromethane	0.21	U	1.0	0.21	ug/L			01/23/13 20:11	1
Dibromochloromethane	0.18	U	1.0	0.18	ug/L			01/23/13 20:11	1
Methylcyclohexane	**29**		1.0	0.13	ug/L			01/23/13 20:11	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: MW-6
Date Collected: 01/16/13 11:40
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		63 - 129		01/23/13 20:11	1
4-Bromofluorobenzene (Surr)	102		66 - 117		01/23/13 20:11	1
Toluene-d8 (Surr)	90		74 - 115		01/23/13 20:11	1
Dibromofluoromethane (Surr)	80		75 - 121		01/23/13 20:11	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: MW-8
Date Collected: 01/15/13 15:18
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.1	U	10	1.1	ug/L			01/23/13 20:33	1
Benzene	0.13	U	1.0	0.13	ug/L			01/23/13 20:33	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			01/23/13 20:33	1
Bromoform	0.64	U	1.0	0.64	ug/L			01/23/13 20:33	1
Bromomethane	0.41	U	1.0	0.41	ug/L			01/23/13 20:33	1
2-Butanone (MEK)	0.57	U	10	0.57	ug/L			01/23/13 20:33	1
Carbon disulfide	0.13	U	5.0	0.13	ug/L			01/23/13 20:33	1
Carbon tetrachloride	0.13	U	1.0	0.13	ug/L			01/23/13 20:33	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			01/23/13 20:33	1
Chloroethane	0.29	U	1.0	0.29	ug/L			01/23/13 20:33	1
Chloroform	0.16	U	1.0	0.16	ug/L			01/23/13 20:33	1
Chloromethane	0.30	U	1.0	0.30	ug/L			01/23/13 20:33	1
1,1-Dichloroethane	0.15	U	1.0	0.15	ug/L			01/23/13 20:33	1
1,2-Dichloroethane	0.22	U	1.0	0.22	ug/L			01/23/13 20:33	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/23/13 20:33	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			01/23/13 20:33	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/23/13 20:33	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			01/23/13 20:33	1
Ethylbenzene	0.17	U	1.0	0.17	ug/L			01/23/13 20:33	1
2-Hexanone	0.41	U	10	0.41	ug/L			01/23/13 20:33	1
Methylene Chloride	0.33	U	5.0	0.33	ug/L			01/23/13 20:33	1
4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32	ug/L			01/23/13 20:33	1
Styrene	0.11	U	1.0	0.11	ug/L			01/23/13 20:33	1
1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18	ug/L			01/23/13 20:33	1
Tetrachloroethene	0.29	U	1.0	0.29	ug/L			01/23/13 20:33	1
Toluene	0.13	U	1.0	0.13	ug/L			01/23/13 20:33	1
Trichloroethene	0.17	U	1.0	0.17	ug/L			01/23/13 20:33	1
Vinyl chloride	0.22	U	1.0	0.22	ug/L			01/23/13 20:33	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			01/23/13 20:33	1
1,1,1-Trichloroethane	0.22	U	1.0	0.22	ug/L			01/23/13 20:33	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			01/23/13 20:33	1
Cyclohexane	0.12	U	1.0	0.12	ug/L			01/23/13 20:33	1
1,2-Dibromo-3-Chloropropane	0.67	U	1.0	0.67	ug/L			01/23/13 20:33	1
1,2-Dibromoethane	0.24	U	1.0	0.24	ug/L			01/23/13 20:33	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/23/13 20:33	1
cis-1,2-Dichloroethene	0.17	U	1.0	0.17	ug/L			01/23/13 20:33	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/23/13 20:33	1
Isopropylbenzene	0.13	U	1.0	0.13	ug/L			01/23/13 20:33	1
Methyl acetate	0.38	U	10	0.38	ug/L			01/23/13 20:33	1
Methyl tert-butyl ether	0.17	U	5.0	0.17	ug/L			01/23/13 20:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.28	U	1.0	0.28	ug/L			01/23/13 20:33	1
1,2,4-Trichlorobenzene	0.15	U	1.0	0.15	ug/L			01/23/13 20:33	1
1,2-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/23/13 20:33	1
1,3-Dichlorobenzene	0.14	U	1.0	0.14	ug/L			01/23/13 20:33	1
1,4-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/23/13 20:33	1
Trichlorofluoromethane	0.21	U	1.0	0.21	ug/L			01/23/13 20:33	1
Dibromochloromethane	0.18	U	1.0	0.18	ug/L			01/23/13 20:33	1
Methylcyclohexane	0.13	U	1.0	0.13	ug/L			01/23/13 20:33	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: MW-8
Date Collected: 01/15/13 15:18
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-5
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		63 - 129		01/23/13 20:33	1
4-Bromofluorobenzene (Surr)	84		66 - 117		01/23/13 20:33	1
Toluene-d8 (Surr)	87		74 - 115		01/23/13 20:33	1
Dibromofluoromethane (Surr)	80		75 - 121		01/23/13 20:33	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.099	U	0.99	0.099	ug/L		01/21/13 11:18	01/23/13 15:34	1
Benzo[a]pyrene	0.099	U	0.99	0.099	ug/L		01/21/13 11:18	01/23/13 15:34	1
Benzo[b]fluoranthene	0.099	U	0.99	0.099	ug/L		01/21/13 11:18	01/23/13 15:34	1
Benzo[g,h,i]perylene	0.099	U	0.99	0.099	ug/L		01/21/13 11:18	01/23/13 15:34	1
Benzo[k]fluoranthene	0.099	U	0.99	0.099	ug/L		01/21/13 11:18	01/23/13 15:34	1
Anthracene	0.099	U	5.0	0.099	ug/L		01/21/13 11:18	01/23/13 15:34	1
Chrysene	0.099	U	0.99	0.099	ug/L		01/21/13 11:18	01/23/13 15:34	1
Dibenz(a,h)anthracene	0.099	U	2.0	0.099	ug/L		01/21/13 11:18	01/23/13 15:34	1
Fluoranthene	0.099	U	0.99	0.099	ug/L		01/21/13 11:18	01/23/13 15:34	1
Fluorene	0.099	U	5.0	0.099	ug/L		01/21/13 11:18	01/23/13 15:34	1
Indeno[1,2,3-cd]pyrene	0.099	U	2.0	0.099	ug/L		01/21/13 11:18	01/23/13 15:34	1
Phenanthrene	0.099	U	2.0	0.099	ug/L		01/21/13 11:18	01/23/13 15:34	1
Pyrene	0.099	U	5.0	0.099	ug/L		01/21/13 11:18	01/23/13 15:34	1
Acenaphthene	0.099	U	5.0	0.099	ug/L		01/21/13 11:18	01/23/13 15:34	1
Acenaphthylene	0.099	U	5.0	0.099	ug/L		01/21/13 11:18	01/23/13 15:34	1
Naphthalene	0.099	U	5.0	0.099	ug/L		01/21/13 11:18	01/23/13 15:34	1
2-Methylnaphthalene	0.099	U	5.0	0.099	ug/L		01/21/13 11:18	01/23/13 15:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	61		20 - 110	01/21/13 11:18	01/23/13 15:34	1
2-Fluorophenol (Surr)	78		10 - 110	01/21/13 11:18	01/23/13 15:34	1
2,4,6-Tribromophenol (Surr)	80		21 - 110	01/21/13 11:18	01/23/13 15:34	1
Nitrobenzene-d5 (Surr)	66		21 - 110	01/21/13 11:18	01/23/13 15:34	1
Phenol-d5 (Surr)	80		21 - 110	01/21/13 11:18	01/23/13 15:34	1
Terphenyl-d14 (Surr)	70		24 - 110	01/21/13 11:18	01/23/13 15:34	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	0.16	U	0.48	0.16	ug/L		01/21/13 11:12	01/22/13 14:52	1
Aroclor-1221	0.13	U	0.48	0.13	ug/L		01/21/13 11:12	01/22/13 14:52	1
Aroclor-1232	0.15	U	0.48	0.15	ug/L		01/21/13 11:12	01/22/13 14:52	1
Aroclor-1242	0.21	U	0.48	0.21	ug/L		01/21/13 11:12	01/22/13 14:52	1
Aroclor-1248	0.096	U	0.48	0.096	ug/L		01/21/13 11:12	01/22/13 14:52	1
Aroclor-1254	0.15	U	0.48	0.15	ug/L		01/21/13 11:12	01/22/13 14:52	1
Aroclor-1260	0.16	U	0.48	0.16	ug/L		01/21/13 11:12	01/22/13 14:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	83		23 - 136	01/21/13 11:12	01/22/13 14:52	1
DCB Decachlorobiphenyl	61		10 - 130	01/21/13 11:12	01/22/13 14:52	1

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.036	U	1.0	0.036	ug/L		01/21/13 13:44	01/30/13 21:38	1
Arsenic	0.29	U	1.0	0.29	ug/L		01/21/13 13:44	01/30/13 21:38	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: MW-8
Date Collected: 01/15/13 15:18
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-5
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**140**		10	0.098	ug/L		01/21/13 13:44	01/30/13 21:38	1
Cadmium	0.11	U	1.0	0.11	ug/L		01/21/13 13:44	01/30/13 21:38	1
Chromium	**0.94**	**J**	2.0	0.54	ug/L		01/21/13 13:44	01/30/13 21:38	1
Sodium	**270000**	**B**	100	3.8	ug/L		01/21/13 13:44	01/30/13 21:38	1
Nickel	0.17	U	1.0	0.17	ug/L		01/21/13 13:44	01/30/13 21:38	1
Lead	**0.17**	**J**	1.0	0.019	ug/L		01/21/13 13:44	01/30/13 21:38	1
Selenium	0.42	U	5.0	0.42	ug/L		01/21/13 13:44	01/30/13 21:38	1
Zinc	**1500**		5.0	0.96	ug/L		01/21/13 13:44	01/30/13 21:38	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.043**	**J**	0.20	0.038	ug/L		01/21/13 11:49	01/21/13 16:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**610**		10	1.0	mg/L			01/25/13 16:57	10

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: MW-9
Date Collected: 01/16/13 10:58
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.1	U	10	1.1	ug/L			01/23/13 20:56	1
Benzene	0.13	U	1.0	0.13	ug/L			01/23/13 20:56	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			01/23/13 20:56	1
Bromoform	0.64	U	1.0	0.64	ug/L			01/23/13 20:56	1
Bromomethane	0.41	U	1.0	0.41	ug/L			01/23/13 20:56	1
2-Butanone (MEK)	0.57	U	10	0.57	ug/L			01/23/13 20:56	1
Carbon disulfide	0.13	U	5.0	0.13	ug/L			01/23/13 20:56	1
Carbon tetrachloride	0.13	U	1.0	0.13	ug/L			01/23/13 20:56	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			01/23/13 20:56	1
Chloroethane	0.29	U	1.0	0.29	ug/L			01/23/13 20:56	1
Chloroform	0.16	U	1.0	0.16	ug/L			01/23/13 20:56	1
Chloromethane	0.30	U	1.0	0.30	ug/L			01/23/13 20:56	1
1,1-Dichloroethane	0.15	U	1.0	0.15	ug/L			01/23/13 20:56	1
1,2-Dichloroethane	0.22	U	1.0	0.22	ug/L			01/23/13 20:56	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/23/13 20:56	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			01/23/13 20:56	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/23/13 20:56	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			01/23/13 20:56	1
Ethylbenzene	0.17	U	1.0	0.17	ug/L			01/23/13 20:56	1
2-Hexanone	0.41	U	10	0.41	ug/L			01/23/13 20:56	1
Methylene Chloride	0.33	U	5.0	0.33	ug/L			01/23/13 20:56	1
4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32	ug/L			01/23/13 20:56	1
Styrene	0.11	U	1.0	0.11	ug/L			01/23/13 20:56	1
1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18	ug/L			01/23/13 20:56	1
Tetrachloroethene	0.29	U	1.0	0.29	ug/L			01/23/13 20:56	1
Toluene	0.13	U	1.0	0.13	ug/L			01/23/13 20:56	1
Trichloroethene	0.17	U	1.0	0.17	ug/L			01/23/13 20:56	1
Vinyl chloride	0.22	U	1.0	0.22	ug/L			01/23/13 20:56	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			01/23/13 20:56	1
1,1,1-Trichloroethane	0.22	U	1.0	0.22	ug/L			01/23/13 20:56	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			01/23/13 20:56	1
Cyclohexane	0.12	U	1.0	0.12	ug/L			01/23/13 20:56	1
1,2-Dibromo-3-Chloropropane	0.67	U	1.0	0.67	ug/L			01/23/13 20:56	1
1,2-Dibromoethane	0.24	U	1.0	0.24	ug/L			01/23/13 20:56	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/23/13 20:56	1
cis-1,2-Dichloroethene	0.17	U	1.0	0.17	ug/L			01/23/13 20:56	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/23/13 20:56	1
Isopropylbenzene	0.13	U	1.0	0.13	ug/L			01/23/13 20:56	1
Methyl acetate	0.38	U	10	0.38	ug/L			01/23/13 20:56	1
Methyl tert-butyl ether	0.17	U	5.0	0.17	ug/L			01/23/13 20:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.28	U	1.0	0.28	ug/L			01/23/13 20:56	1
1,2,4-Trichlorobenzene	0.15	U	1.0	0.15	ug/L			01/23/13 20:56	1
1,2-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/23/13 20:56	1
1,3-Dichlorobenzene	0.14	U	1.0	0.14	ug/L			01/23/13 20:56	1
1,4-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/23/13 20:56	1
Trichlorofluoromethane	0.21	U	1.0	0.21	ug/L			01/23/13 20:56	1
Dibromochloromethane	0.18	U	1.0	0.18	ug/L			01/23/13 20:56	1
Methylcyclohexane	0.13	U	1.0	0.13	ug/L			01/23/13 20:56	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: MW-9
Date Collected: 01/16/13 10:58
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-6
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*63 - 129*		*01/23/13 20:56*	*1*
4-Bromofluorobenzene (Surr)	*86*		*66 - 117*		*01/23/13 20:56*	*1*
Toluene-d8 (Surr)	*85*		*74 - 115*		*01/23/13 20:56*	*1*
Dibromofluoromethane (Surr)	*82*		*75 - 121*		*01/23/13 20:56*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.097	U	0.97	0.097	ug/L		01/21/13 11:18	01/23/13 15:57	1
Benzo[a]pyrene	0.097	U	0.97	0.097	ug/L		01/21/13 11:18	01/23/13 15:57	1
Benzo[b]fluoranthene	0.097	U	0.97	0.097	ug/L		01/21/13 11:18	01/23/13 15:57	1
Benzo[g,h,i]perylene	0.097	U	0.97	0.097	ug/L		01/21/13 11:18	01/23/13 15:57	1
Benzo[k]fluoranthene	0.097	U	0.97	0.097	ug/L		01/21/13 11:18	01/23/13 15:57	1
Anthracene	0.097	U	4.9	0.097	ug/L		01/21/13 11:18	01/23/13 15:57	1
Chrysene	0.097	U	0.97	0.097	ug/L		01/21/13 11:18	01/23/13 15:57	1
Dibenz(a,h)anthracene	0.097	U	1.9	0.097	ug/L		01/21/13 11:18	01/23/13 15:57	1
Fluoranthene	0.097	U	0.97	0.097	ug/L		01/21/13 11:18	01/23/13 15:57	1
Fluorene	0.097	U	4.9	0.097	ug/L		01/21/13 11:18	01/23/13 15:57	1
Indeno[1,2,3-cd]pyrene	0.097	U	1.9	0.097	ug/L		01/21/13 11:18	01/23/13 15:57	1
Phenanthrene	0.097	U	1.9	0.097	ug/L		01/21/13 11:18	01/23/13 15:57	1
Pyrene	0.097	U	4.9	0.097	ug/L		01/21/13 11:18	01/23/13 15:57	1
Acenaphthene	0.097	U	4.9	0.097	ug/L		01/21/13 11:18	01/23/13 15:57	1
Acenaphthylene	0.097	U	4.9	0.097	ug/L		01/21/13 11:18	01/23/13 15:57	1
Naphthalene	0.097	U	4.9	0.097	ug/L		01/21/13 11:18	01/23/13 15:57	1
2-Methylnaphthalene	0.097	U	4.9	0.097	ug/L		01/21/13 11:18	01/23/13 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*67*		*20 - 110*	*01/21/13 11:18*	*01/23/13 15:57*	*1*
2-Fluorophenol (Surr)	*80*		*10 - 110*	*01/21/13 11:18*	*01/23/13 15:57*	*1*
2,4,6-Tribromophenol (Surr)	*91*		*21 - 110*	*01/21/13 11:18*	*01/23/13 15:57*	*1*
Nitrobenzene-d5 (Surr)	*69*		*21 - 110*	*01/21/13 11:18*	*01/23/13 15:57*	*1*
Phenol-d5 (Surr)	*83*		*21 - 110*	*01/21/13 11:18*	*01/23/13 15:57*	*1*
Terphenyl-d14 (Surr)	*77*		*24 - 110*	*01/21/13 11:18*	*01/23/13 15:57*	*1*

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.036	U	1.0	0.036	ug/L		01/21/13 13:44	01/30/13 21:43	1
Arsenic	0.29	U	1.0	0.29	ug/L		01/21/13 13:44	01/30/13 21:43	1
Barium	**180**		10	0.098	ug/L		01/21/13 13:44	01/30/13 21:43	1
Cadmium	0.11	U	1.0	0.11	ug/L		01/21/13 13:44	01/30/13 21:43	1
Chromium	**0.79**	**J**	2.0	0.54	ug/L		01/21/13 13:44	01/30/13 21:43	1
Sodium	**280000**	**B**	100	3.8	ug/L		01/21/13 13:44	01/30/13 21:43	1
Nickel	**0.22**	**J**	1.0	0.17	ug/L		01/21/13 13:44	01/30/13 21:43	1
Lead	0.019	U	1.0	0.019	ug/L		01/21/13 13:44	01/30/13 21:43	1
Selenium	0.42	U	5.0	0.42	ug/L		01/21/13 13:44	01/30/13 21:43	1
Zinc	**34**		5.0	0.96	ug/L		01/21/13 13:44	01/30/13 21:43	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038	U	0.20	0.038	ug/L		01/21/13 11:49	01/21/13 16:49	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: MW-9
Date Collected: 01/16/13 10:58
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-6
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	610		10	1.0	mg/L			01/25/13 17:17	10

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: MW-10
Date Collected: 01/16/13 12:00
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.1	U	10	1.1	ug/L			01/23/13 21:18	1
Benzene	0.13	U	1.0	0.13	ug/L			01/23/13 21:18	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			01/23/13 21:18	1
Bromoform	0.64	U	1.0	0.64	ug/L			01/23/13 21:18	1
Bromomethane	0.41	U	1.0	0.41	ug/L			01/23/13 21:18	1
2-Butanone (MEK)	0.57	U	10	0.57	ug/L			01/23/13 21:18	1
Carbon disulfide	0.13	U	5.0	0.13	ug/L			01/23/13 21:18	1
Carbon tetrachloride	0.13	U	1.0	0.13	ug/L			01/23/13 21:18	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			01/23/13 21:18	1
Chloroethane	0.29	U	1.0	0.29	ug/L			01/23/13 21:18	1
Chloroform	0.16	U	1.0	0.16	ug/L			01/23/13 21:18	1
Chloromethane	0.30	U	1.0	0.30	ug/L			01/23/13 21:18	1
1,1-Dichloroethane	0.15	U	1.0	0.15	ug/L			01/23/13 21:18	1
1,2-Dichloroethane	0.22	U	1.0	0.22	ug/L			01/23/13 21:18	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/23/13 21:18	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			01/23/13 21:18	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/23/13 21:18	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			01/23/13 21:18	1
Ethylbenzene	0.17	U	1.0	0.17	ug/L			01/23/13 21:18	1
2-Hexanone	0.41	U	10	0.41	ug/L			01/23/13 21:18	1
Methylene Chloride	0.33	U	5.0	0.33	ug/L			01/23/13 21:18	1
4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32	ug/L			01/23/13 21:18	1
Styrene	0.11	U	1.0	0.11	ug/L			01/23/13 21:18	1
1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18	ug/L			01/23/13 21:18	1
Tetrachloroethene	0.29	U	1.0	0.29	ug/L			01/23/13 21:18	1
Toluene	0.13	U	1.0	0.13	ug/L			01/23/13 21:18	1
Trichloroethene	0.17	U	1.0	0.17	ug/L			01/23/13 21:18	1
Vinyl chloride	0.22	U	1.0	0.22	ug/L			01/23/13 21:18	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			01/23/13 21:18	1
1,1,1-Trichloroethane	0.22	U	1.0	0.22	ug/L			01/23/13 21:18	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			01/23/13 21:18	1
Cyclohexane	**0.20**	**J**	1.0	0.12	ug/L			01/23/13 21:18	1
1,2-Dibromo-3-Chloropropane	0.67	U	1.0	0.67	ug/L			01/23/13 21:18	1
1,2-Dibromoethane	0.24	U	1.0	0.24	ug/L			01/23/13 21:18	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/23/13 21:18	1
cis-1,2-Dichloroethene	0.17	U	1.0	0.17	ug/L			01/23/13 21:18	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/23/13 21:18	1
Isopropylbenzene	0.13	U	1.0	0.13	ug/L			01/23/13 21:18	1
Methyl acetate	0.38	U	10	0.38	ug/L			01/23/13 21:18	1
Methyl tert-butyl ether	0.17	U	5.0	0.17	ug/L			01/23/13 21:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.28	U	1.0	0.28	ug/L			01/23/13 21:18	1
1,2,4-Trichlorobenzene	0.15	U	1.0	0.15	ug/L			01/23/13 21:18	1
1,2-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/23/13 21:18	1
1,3-Dichlorobenzene	0.14	U	1.0	0.14	ug/L			01/23/13 21:18	1
1,4-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/23/13 21:18	1
Trichlorofluoromethane	0.21	U	1.0	0.21	ug/L			01/23/13 21:18	1
Dibromochloromethane	0.18	U	1.0	0.18	ug/L			01/23/13 21:18	1
Methylcyclohexane	**0.19**	**J**	1.0	0.13	ug/L			01/23/13 21:18	1

Client Sample ID: MW-10
Date Collected: 01/16/13 12:00
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-7
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	89		63 - 129		01/23/13 21:18	1
4-Bromofluorobenzene (Surr)	89		66 - 117		01/23/13 21:18	1
Toluene-d8 (Surr)	89		74 - 115		01/23/13 21:18	1
Dibromofluoromethane (Surr)	82		75 - 121		01/23/13 21:18	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**0.11**	**J**	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:18	1
Benzo[a]pyrene	**0.62**	**J**	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:18	1
Benzo[b]fluoranthene	**0.50**	**J**	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:18	1
Benzo[g,h,i]perylene	**0.14**	**J**	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:18	1
Benzo[k]fluoranthene	0.10	U	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:18	1
Anthracene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:18	1
Chrysene	**0.19**	**J**	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:18	1
Dibenz(a,h)anthracene	0.10	U	2.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:18	1
Fluoranthene	**0.46**	**J**	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:18	1
Fluorene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:18	1
Indeno[1,2,3-cd]pyrene	**0.60**	**J**	2.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:18	1
Phenanthrene	**0.13**	**J**	2.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:18	1
Pyrene	**0.30**	**J**	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:18	1
Acenaphthene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:18	1
Acenaphthylene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:18	1
Naphthalene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:18	1
2-Methylnaphthalene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	56		20 - 110	01/21/13 11:18	01/23/13 18:18	1
2-Fluorophenol (Surr)	74		10 - 110	01/21/13 11:18	01/23/13 18:18	1
2,4,6-Tribromophenol (Surr)	78		21 - 110	01/21/13 11:18	01/23/13 18:18	1
Nitrobenzene-d5 (Surr)	60		21 - 110	01/21/13 11:18	01/23/13 18:18	1
Phenol-d5 (Surr)	77		21 - 110	01/21/13 11:18	01/23/13 18:18	1
Terphenyl-d14 (Surr)	49		24 - 110	01/21/13 11:18	01/23/13 18:18	1

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.036	U	1.0	0.036	ug/L		01/21/13 13:44	01/30/13 21:48	1
Arsenic	**1.6**		1.0	0.29	ug/L		01/21/13 13:44	01/30/13 21:48	1
Barium	**69**		10	0.098	ug/L		01/21/13 13:44	01/30/13 21:48	1
Cadmium	0.11	U	1.0	0.11	ug/L		01/21/13 13:44	01/30/13 21:48	1
Chromium	**1.3**	**J**	2.0	0.54	ug/L		01/21/13 13:44	01/30/13 21:48	1
Sodium	**630000**	**B**	100	3.8	ug/L		01/21/13 13:44	01/30/13 21:48	1
Nickel	**0.97**	**J**	1.0	0.17	ug/L		01/21/13 13:44	01/30/13 21:48	1
Lead	**0.096**	**J**	1.0	0.019	ug/L		01/21/13 13:44	01/30/13 21:48	1
Selenium	0.42	U	5.0	0.42	ug/L		01/21/13 13:44	01/30/13 21:48	1
Zinc	**230**		5.0	0.96	ug/L		01/21/13 13:44	01/30/13 21:48	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038	U	0.20	0.038	ug/L		01/21/13 11:49	01/21/13 16:51	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: MW-10
Date Collected: 01/16/13 12:00
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-7
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		20	2.0	mg/L			01/25/13 17:37	20

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: MW-11
Date Collected: 01/16/13 10:00
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**1.5**	**J**	10	1.1	ug/L			01/22/13 12:10	1
Benzene	0.13	U	1.0	0.13	ug/L			01/22/13 12:10	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			01/22/13 12:10	1
Bromoform	0.64	U	1.0	0.64	ug/L			01/22/13 12:10	1
Bromomethane	0.41	U	1.0	0.41	ug/L			01/22/13 12:10	1
2-Butanone (MEK)	0.57	U	10	0.57	ug/L			01/22/13 12:10	1
Carbon disulfide	**0.22**	**J**	5.0	0.13	ug/L			01/22/13 12:10	1
Carbon tetrachloride	0.13	U	1.0	0.13	ug/L			01/22/13 12:10	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			01/22/13 12:10	1
Chloroethane	0.29	U	1.0	0.29	ug/L			01/22/13 12:10	1
Chloroform	0.16	U	1.0	0.16	ug/L			01/22/13 12:10	1
Chloromethane	0.30	U	1.0	0.30	ug/L			01/22/13 12:10	1
1,1-Dichloroethane	0.15	U	1.0	0.15	ug/L			01/22/13 12:10	1
1,2-Dichloroethane	0.22	U	1.0	0.22	ug/L			01/22/13 12:10	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/22/13 12:10	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			01/22/13 12:10	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/22/13 12:10	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			01/22/13 12:10	1
Ethylbenzene	0.17	U	1.0	0.17	ug/L			01/22/13 12:10	1
2-Hexanone	0.41	U	10	0.41	ug/L			01/22/13 12:10	1
Methylene Chloride	0.33	U	5.0	0.33	ug/L			01/22/13 12:10	1
4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32	ug/L			01/22/13 12:10	1
Styrene	0.11	U	1.0	0.11	ug/L			01/22/13 12:10	1
1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18	ug/L			01/22/13 12:10	1
Tetrachloroethene	0.29	U	1.0	0.29	ug/L			01/22/13 12:10	1
Toluene	0.13	U	1.0	0.13	ug/L			01/22/13 12:10	1
Trichloroethene	0.17	U	1.0	0.17	ug/L			01/22/13 12:10	1
Vinyl chloride	0.22	U	1.0	0.22	ug/L			01/22/13 12:10	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			01/22/13 12:10	1
1,1,1-Trichloroethane	0.22	U	1.0	0.22	ug/L			01/22/13 12:10	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			01/22/13 12:10	1
Cyclohexane	0.12	U	1.0	0.12	ug/L			01/22/13 12:10	1
1,2-Dibromo-3-Chloropropane	0.67	U	1.0	0.67	ug/L			01/22/13 12:10	1
1,2-Dibromoethane	0.24	U	1.0	0.24	ug/L			01/22/13 12:10	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/22/13 12:10	1
cis-1,2-Dichloroethene	0.17	U	1.0	0.17	ug/L			01/22/13 12:10	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/22/13 12:10	1
Isopropylbenzene	0.13	U	1.0	0.13	ug/L			01/22/13 12:10	1
Methyl acetate	0.38	U	10	0.38	ug/L			01/22/13 12:10	1
Methyl tert-butyl ether	0.17	U	5.0	0.17	ug/L			01/22/13 12:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.28	U	1.0	0.28	ug/L			01/22/13 12:10	1
1,2,4-Trichlorobenzene	0.15	U	1.0	0.15	ug/L			01/22/13 12:10	1
1,2-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/22/13 12:10	1
1,3-Dichlorobenzene	0.14	U	1.0	0.14	ug/L			01/22/13 12:10	1
1,4-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/22/13 12:10	1
Trichlorofluoromethane	0.21	U	1.0	0.21	ug/L			01/22/13 12:10	1
Dibromochloromethane	0.18	U	1.0	0.18	ug/L			01/22/13 12:10	1
Methylcyclohexane	0.13	U	1.0	0.13	ug/L			01/22/13 12:10	1

Client Sample ID: MW-11
Date Collected: 01/16/13 10:00
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-8
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*63 - 129*		*01/22/13 12:10*	*1*
4-Bromofluorobenzene (Surr)	*92*		*66 - 117*		*01/22/13 12:10*	*1*
Toluene-d8 (Surr)	*87*		*74 - 115*		*01/22/13 12:10*	*1*
Dibromofluoromethane (Surr)	*89*		*75 - 121*		*01/22/13 12:10*	*1*

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.036	U	1.0	0.036	ug/L		01/21/13 13:44	01/30/13 21:53	1
Arsenic	**1.8**		1.0	0.29	ug/L		01/21/13 13:44	01/30/13 21:53	1
Barium	**41**		10	0.098	ug/L		01/21/13 13:44	01/30/13 21:53	1
Cadmium	0.11	U	1.0	0.11	ug/L		01/21/13 13:44	01/30/13 21:53	1
Chromium	**1.1**	**J**	2.0	0.54	ug/L		01/21/13 13:44	01/30/13 21:53	1
Nickel	**3.8**		1.0	0.17	ug/L		01/21/13 13:44	01/30/13 21:53	1
Lead	**0.14**	**J**	1.0	0.019	ug/L		01/21/13 13:44	01/30/13 21:53	1
Selenium	0.42	U	5.0	0.42	ug/L		01/21/13 13:44	01/30/13 21:53	1
Zinc	**21**		5.0	0.96	ug/L		01/21/13 13:44	01/30/13 21:53	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038	U	0.20	0.038	ug/L		01/21/13 11:49	01/21/13 16:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**580**		20	2.0	mg/L			01/25/13 17:57	20

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: P-3-15'
Date Collected: 01/16/13 14:40
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-9
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.1	U	10	1.1	ug/L			01/24/13 17:55	1
Benzene	0.13	U	1.0	0.13	ug/L			01/24/13 17:55	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			01/24/13 17:55	1
Bromoform	0.64	U	1.0	0.64	ug/L			01/24/13 17:55	1
Bromomethane	0.41	U	1.0	0.41	ug/L			01/24/13 17:55	1
2-Butanone (MEK)	0.57	U	10	0.57	ug/L			01/24/13 17:55	1
Carbon disulfide	0.13	U	5.0	0.13	ug/L			01/24/13 17:55	1
Carbon tetrachloride	0.13	U	1.0	0.13	ug/L			01/24/13 17:55	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			01/24/13 17:55	1
Chloroethane	0.29	U	1.0	0.29	ug/L			01/24/13 17:55	1
Chloroform	0.16	U	1.0	0.16	ug/L			01/24/13 17:55	1
Chloromethane	0.30	U	1.0	0.30	ug/L			01/24/13 17:55	1
1,1-Dichloroethane	0.15	U	1.0	0.15	ug/L			01/24/13 17:55	1
1,2-Dichloroethane	0.22	U	1.0	0.22	ug/L			01/24/13 17:55	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/24/13 17:55	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			01/24/13 17:55	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/24/13 17:55	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			01/24/13 17:55	1
Ethylbenzene	0.17	U	1.0	0.17	ug/L			01/24/13 17:55	1
2-Hexanone	0.41	U	10	0.41	ug/L			01/24/13 17:55	1
Methylene Chloride	0.33	U	5.0	0.33	ug/L			01/24/13 17:55	1
4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32	ug/L			01/24/13 17:55	1
Styrene	0.11	U	1.0	0.11	ug/L			01/24/13 17:55	1
1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18	ug/L			01/24/13 17:55	1
Tetrachloroethene	0.29	U	1.0	0.29	ug/L			01/24/13 17:55	1
Toluene	0.13	U	1.0	0.13	ug/L			01/24/13 17:55	1
Trichloroethene	0.17	U	1.0	0.17	ug/L			01/24/13 17:55	1
Vinyl chloride	0.22	U	1.0	0.22	ug/L			01/24/13 17:55	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			01/24/13 17:55	1
1,1,1-Trichloroethane	0.22	U	1.0	0.22	ug/L			01/24/13 17:55	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			01/24/13 17:55	1
Cyclohexane	0.12	U	1.0	0.12	ug/L			01/24/13 17:55	1
1,2-Dibromo-3-Chloropropane	0.67	U	1.0	0.67	ug/L			01/24/13 17:55	1
1,2-Dibromoethane	0.24	U	1.0	0.24	ug/L			01/24/13 17:55	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/24/13 17:55	1
cis-1,2-Dichloroethene	0.17	U	1.0	0.17	ug/L			01/24/13 17:55	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/24/13 17:55	1
Isopropylbenzene	0.13	U	1.0	0.13	ug/L			01/24/13 17:55	1
Methyl acetate	0.38	U	10	0.38	ug/L			01/24/13 17:55	1
Methyl tert-butyl ether	0.17	U	5.0	0.17	ug/L			01/24/13 17:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.28	U	1.0	0.28	ug/L			01/24/13 17:55	1
1,2,4-Trichlorobenzene	0.15	U	1.0	0.15	ug/L			01/24/13 17:55	1
1,2-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/24/13 17:55	1
1,3-Dichlorobenzene	0.14	U	1.0	0.14	ug/L			01/24/13 17:55	1
1,4-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/24/13 17:55	1
Trichlorofluoromethane	0.21	U	1.0	0.21	ug/L			01/24/13 17:55	1
Dibromochloromethane	0.18	U	1.0	0.18	ug/L			01/24/13 17:55	1
Methylcyclohexane	0.13	U	1.0	0.13	ug/L			01/24/13 17:55	1

Client Sample ID: P-3-15'
Date Collected: 01/16/13 14:40
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-9
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*89*		*63 - 129*		*01/24/13 17:55*	*1*
4-Bromofluorobenzene (Surr)	*102*		*66 - 117*		*01/24/13 17:55*	*1*
Toluene-d8 (Surr)	*105*		*74 - 115*		*01/24/13 17:55*	*1*
Dibromofluoromethane (Surr)	*91*		*75 - 121*		*01/24/13 17:55*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**0.24**	**J**	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 19:28	1
Benzo[a]pyrene	**0.71**	**J**	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 19:28	1
Benzo[b]fluoranthene	**0.66**	**J**	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 19:28	1
Benzo[g,h,i]perylene	**0.20**	**J**	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 19:28	1
Benzo[k]fluoranthene	**0.13**	**J**	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 19:28	1
Anthracene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 19:28	1
Chrysene	**0.22**	**J**	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 19:28	1
Dibenz(a,h)anthracene	0.10	U	2.0	0.10	ug/L		01/21/13 11:18	01/23/13 19:28	1
Fluoranthene	**0.36**	**J**	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 19:28	1
Fluorene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 19:28	1
Indeno[1,2,3-cd]pyrene	**0.68**	**J**	2.0	0.10	ug/L		01/21/13 11:18	01/23/13 19:28	1
Phenanthrene	**0.11**	**J**	2.0	0.10	ug/L		01/21/13 11:18	01/23/13 19:28	1
Pyrene	**0.29**	**J**	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 19:28	1
Acenaphthene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 19:28	1
Acenaphthylene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 19:28	1
Naphthalene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 19:28	1
2-Methylnaphthalene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	*58*		*20 - 110*	*01/21/13 11:18*	*01/23/13 19:28*	*1*
2-Fluorophenol (Surr)	*70*		*10 - 110*	*01/21/13 11:18*	*01/23/13 19:28*	*1*
2,4,6-Tribromophenol (Surr)	*79*		*21 - 110*	*01/21/13 11:18*	*01/23/13 19:28*	*1*
Nitrobenzene-d5 (Surr)	*57*		*21 - 110*	*01/21/13 11:18*	*01/23/13 19:28*	*1*
Phenol-d5 (Surr)	*74*		*21 - 110*	*01/21/13 11:18*	*01/23/13 19:28*	*1*
Terphenyl-d14 (Surr)	*69*		*24 - 110*	*01/21/13 11:18*	*01/23/13 19:28*	*1*

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.036	U	1.0	0.036	ug/L		01/21/13 13:44	01/30/13 22:07	1
Arsenic	0.29	U	1.0	0.29	ug/L		01/21/13 13:44	01/30/13 22:07	1
Barium	**95**		10	0.098	ug/L		01/21/13 13:44	01/30/13 22:07	1
Cadmium	0.11	U	1.0	0.11	ug/L		01/21/13 13:44	01/30/13 22:07	1
Chromium	**0.92**	**J**	2.0	0.54	ug/L		01/21/13 13:44	01/30/13 22:07	1
Sodium	**330000**	**B**	100	3.8	ug/L		01/21/13 13:44	01/30/13 22:07	1
Nickel	**0.44**	**J**	1.0	0.17	ug/L		01/21/13 13:44	01/30/13 22:07	1
Lead	**0.029**	**J**	1.0	0.019	ug/L		01/21/13 13:44	01/30/13 22:07	1
Selenium	0.42	U	5.0	0.42	ug/L		01/21/13 13:44	01/30/13 22:07	1
Zinc	**3.4**	**J**	5.0	0.96	ug/L		01/21/13 13:44	01/30/13 22:07	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038	U	0.20	0.038	ug/L		01/21/13 11:49	01/21/13 16:56	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: P-3-15'
Date Collected: 01/16/13 14:40
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-9
Matrix: Water

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	630		10	1.0	mg/L			01/25/13 18:18	10

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: STORMWATER-1
Date Collected: 01/16/13 15:20
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-10
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.1	U	10	1.1	ug/L			01/24/13 18:18	1
Benzene	0.13	U	1.0	0.13	ug/L			01/24/13 18:18	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			01/24/13 18:18	1
Bromoform	0.64	U	1.0	0.64	ug/L			01/24/13 18:18	1
Bromomethane	0.41	U	1.0	0.41	ug/L			01/24/13 18:18	1
2-Butanone (MEK)	0.57	U	10	0.57	ug/L			01/24/13 18:18	1
Carbon disulfide	0.13	U	5.0	0.13	ug/L			01/24/13 18:18	1
Carbon tetrachloride	0.13	U	1.0	0.13	ug/L			01/24/13 18:18	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			01/24/13 18:18	1
Chloroethane	0.29	U	1.0	0.29	ug/L			01/24/13 18:18	1
Chloroform	0.16	U	1.0	0.16	ug/L			01/24/13 18:18	1
Chloromethane	0.30	U	1.0	0.30	ug/L			01/24/13 18:18	1
1,1-Dichloroethane	0.15	U	1.0	0.15	ug/L			01/24/13 18:18	1
1,2-Dichloroethane	0.22	U	1.0	0.22	ug/L			01/24/13 18:18	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/24/13 18:18	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			01/24/13 18:18	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/24/13 18:18	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			01/24/13 18:18	1
Ethylbenzene	0.17	U	1.0	0.17	ug/L			01/24/13 18:18	1
2-Hexanone	0.41	U	10	0.41	ug/L			01/24/13 18:18	1
Methylene Chloride	0.33	U	5.0	0.33	ug/L			01/24/13 18:18	1
4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32	ug/L			01/24/13 18:18	1
Styrene	0.11	U	1.0	0.11	ug/L			01/24/13 18:18	1
1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18	ug/L			01/24/13 18:18	1
Tetrachloroethene	0.29	U	1.0	0.29	ug/L			01/24/13 18:18	1
Toluene	0.13	U	1.0	0.13	ug/L			01/24/13 18:18	1
Trichloroethene	0.17	U	1.0	0.17	ug/L			01/24/13 18:18	1
Vinyl chloride	0.22	U	1.0	0.22	ug/L			01/24/13 18:18	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			01/24/13 18:18	1
1,1,1-Trichloroethane	0.22	U	1.0	0.22	ug/L			01/24/13 18:18	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			01/24/13 18:18	1
Cyclohexane	0.12	U	1.0	0.12	ug/L			01/24/13 18:18	1
1,2-Dibromo-3-Chloropropane	0.67	U	1.0	0.67	ug/L			01/24/13 18:18	1
1,2-Dibromoethane	0.24	U	1.0	0.24	ug/L			01/24/13 18:18	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/24/13 18:18	1
cis-1,2-Dichloroethene	0.17	U	1.0	0.17	ug/L			01/24/13 18:18	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/24/13 18:18	1
Isopropylbenzene	0.13	U	1.0	0.13	ug/L			01/24/13 18:18	1
Methyl acetate	0.38	U	10	0.38	ug/L			01/24/13 18:18	1
Methyl tert-butyl ether	0.17	U	5.0	0.17	ug/L			01/24/13 18:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.28	U	1.0	0.28	ug/L			01/24/13 18:18	1
1,2,4-Trichlorobenzene	0.15	U	1.0	0.15	ug/L			01/24/13 18:18	1
1,2-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/24/13 18:18	1
1,3-Dichlorobenzene	0.14	U	1.0	0.14	ug/L			01/24/13 18:18	1
1,4-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/24/13 18:18	1
Trichlorofluoromethane	0.21	U	1.0	0.21	ug/L			01/24/13 18:18	1
Dibromochloromethane	0.18	U	1.0	0.18	ug/L			01/24/13 18:18	1
Methylcyclohexane	0.13	U	1.0	0.13	ug/L			01/24/13 18:18	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: STORMWATER-1
Date Collected: 01/16/13 15:20
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-10
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*95*		*63 - 129*		*01/24/13 18:18*	*1*
4-Bromofluorobenzene (Surr)	*102*		*66 - 117*		*01/24/13 18:18*	*1*
Toluene-d8 (Surr)	*108*		*74 - 115*		*01/24/13 18:18*	*1*
Dibromofluoromethane (Surr)	*96*		*75 - 121*		*01/24/13 18:18*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**0.17**	**J**	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:41	1
Benzo[a]pyrene	**0.67**	**J**	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:41	1
Benzo[b]fluoranthene	**0.57**	**J**	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:41	1
Benzo[g,h,i]perylene	0.10	U	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:41	1
Benzo[k]fluoranthene	**0.12**	**J**	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:41	1
Anthracene	0.10	U	5.1	0.10	ug/L		01/21/13 11:18	01/23/13 18:41	1
Chrysene	**0.20**	**J**	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:41	1
Dibenz(a,h)anthracene	0.10	U	2.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:41	1
Fluoranthene	**0.27**	**J**	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:41	1
Fluorene	0.10	U	5.1	0.10	ug/L		01/21/13 11:18	01/23/13 18:41	1
Indeno[1,2,3-cd]pyrene	0.10	U	2.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:41	1
Phenanthrene	0.10	U	2.0	0.10	ug/L		01/21/13 11:18	01/23/13 18:41	1
Pyrene	**0.24**	**J**	5.1	0.10	ug/L		01/21/13 11:18	01/23/13 18:41	1
Acenaphthene	0.10	U	5.1	0.10	ug/L		01/21/13 11:18	01/23/13 18:41	1
Acenaphthylene	0.10	U	5.1	0.10	ug/L		01/21/13 11:18	01/23/13 18:41	1
Naphthalene	0.10	U	5.1	0.10	ug/L		01/21/13 11:18	01/23/13 18:41	1
2-Methylnaphthalene	0.10	U	5.1	0.10	ug/L		01/21/13 11:18	01/23/13 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	*56*		*20 - 110*	*01/21/13 11:18*	*01/23/13 18:41*	*1*
2-Fluorophenol (Surr)	*71*		*10 - 110*	*01/21/13 11:18*	*01/23/13 18:41*	*1*
2,4,6-Tribromophenol (Surr)	*81*		*21 - 110*	*01/21/13 11:18*	*01/23/13 18:41*	*1*
Nitrobenzene-d5 (Surr)	*60*		*21 - 110*	*01/21/13 11:18*	*01/23/13 18:41*	*1*
Phenol-d5 (Surr)	*74*		*21 - 110*	*01/21/13 11:18*	*01/23/13 18:41*	*1*
Terphenyl-d14 (Surr)	*56*		*24 - 110*	*01/21/13 11:18*	*01/23/13 18:41*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	0.17	U	0.50	0.17	ug/L		01/21/13 11:12	01/22/13 15:07	1
Aroclor-1221	0.13	U	0.50	0.13	ug/L		01/21/13 11:12	01/22/13 15:07	1
Aroclor-1232	0.16	U	0.50	0.16	ug/L		01/21/13 11:12	01/22/13 15:07	1
Aroclor-1242	0.22	U	0.50	0.22	ug/L		01/21/13 11:12	01/22/13 15:07	1
Aroclor-1248	0.099	U	0.50	0.099	ug/L		01/21/13 11:12	01/22/13 15:07	1
Aroclor-1254	0.16	U	0.50	0.16	ug/L		01/21/13 11:12	01/22/13 15:07	1
Aroclor-1260	0.17	U	0.50	0.17	ug/L		01/21/13 11:12	01/22/13 15:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*82*		*23 - 136*	*01/21/13 11:12*	*01/22/13 15:07*	*1*
DCB Decachlorobiphenyl	*50*		*10 - 130*	*01/21/13 11:12*	*01/22/13 15:07*	*1*

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.036	U	1.0	0.036	ug/L		01/21/13 13:44	01/30/13 22:12	1
Arsenic	0.29	U	1.0	0.29	ug/L		01/21/13 13:44	01/30/13 22:12	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: STORMWATER-1
Date Collected: 01/16/13 15:20
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-10
Matrix: Water

Method: 6020 - Metals (ICP/MS) - Dissolved (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	**39**		10	0.098	ug/L		01/21/13 13:44	01/30/13 22:12	1
Cadmium	0.11	U	1.0	0.11	ug/L		01/21/13 13:44	01/30/13 22:12	1
Chromium	**0.61**	**J**	2.0	0.54	ug/L		01/21/13 13:44	01/30/13 22:12	1
Sodium	**62000**	**B**	100	3.8	ug/L		01/21/13 13:44	01/30/13 22:12	1
Nickel	**0.29**	**J**	1.0	0.17	ug/L		01/21/13 13:44	01/30/13 22:12	1
Lead	**0.13**	**J**	1.0	0.019	ug/L		01/21/13 13:44	01/30/13 22:12	1
Selenium	**0.67**	**J**	5.0	0.42	ug/L		01/21/13 13:44	01/30/13 22:12	1
Zinc	**15**		5.0	0.96	ug/L		01/21/13 13:44	01/30/13 22:12	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038	U	0.20	0.038	ug/L		01/21/13 11:49	01/21/13 16:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		1.0	0.10	mg/L			01/25/13 18:38	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: TRIP BLANK
Date Collected: 01/15/13 00:00
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**6.2**	**J**	10	1.1	ug/L			01/24/13 18:40	1
Benzene	0.13	U	1.0	0.13	ug/L			01/24/13 18:40	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			01/24/13 18:40	1
Bromoform	0.64	U	1.0	0.64	ug/L			01/24/13 18:40	1
Bromomethane	0.41	U	1.0	0.41	ug/L			01/24/13 18:40	1
2-Butanone (MEK)	0.57	U	10	0.57	ug/L			01/24/13 18:40	1
Carbon disulfide	0.13	U	5.0	0.13	ug/L			01/24/13 18:40	1
Carbon tetrachloride	0.13	U	1.0	0.13	ug/L			01/24/13 18:40	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			01/24/13 18:40	1
Chloroethane	0.29	U	1.0	0.29	ug/L			01/24/13 18:40	1
Chloroform	0.16	U	1.0	0.16	ug/L			01/24/13 18:40	1
Chloromethane	0.30	U	1.0	0.30	ug/L			01/24/13 18:40	1
1,1-Dichloroethane	0.15	U	1.0	0.15	ug/L			01/24/13 18:40	1
1,2-Dichloroethane	0.22	U	1.0	0.22	ug/L			01/24/13 18:40	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/24/13 18:40	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			01/24/13 18:40	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/24/13 18:40	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			01/24/13 18:40	1
Ethylbenzene	0.17	U	1.0	0.17	ug/L			01/24/13 18:40	1
2-Hexanone	0.41	U	10	0.41	ug/L			01/24/13 18:40	1
Methylene Chloride	**0.75**	**J B**	5.0	0.33	ug/L			01/24/13 18:40	1
4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32	ug/L			01/24/13 18:40	1
Styrene	0.11	U	1.0	0.11	ug/L			01/24/13 18:40	1
1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18	ug/L			01/24/13 18:40	1
Tetrachloroethene	0.29	U	1.0	0.29	ug/L			01/24/13 18:40	1
Toluene	0.13	U	1.0	0.13	ug/L			01/24/13 18:40	1
Trichloroethene	0.17	U	1.0	0.17	ug/L			01/24/13 18:40	1
Vinyl chloride	0.22	U	1.0	0.22	ug/L			01/24/13 18:40	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			01/24/13 18:40	1
1,1,1-Trichloroethane	0.22	U	1.0	0.22	ug/L			01/24/13 18:40	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			01/24/13 18:40	1
Cyclohexane	0.12	U	1.0	0.12	ug/L			01/24/13 18:40	1
1,2-Dibromo-3-Chloropropane	0.67	U	1.0	0.67	ug/L			01/24/13 18:40	1
1,2-Dibromoethane	0.24	U	1.0	0.24	ug/L			01/24/13 18:40	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/24/13 18:40	1
cis-1,2-Dichloroethene	0.17	U	1.0	0.17	ug/L			01/24/13 18:40	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/24/13 18:40	1
Isopropylbenzene	0.13	U	1.0	0.13	ug/L			01/24/13 18:40	1
Methyl acetate	0.38	U	10	0.38	ug/L			01/24/13 18:40	1
Methyl tert-butyl ether	0.17	U	5.0	0.17	ug/L			01/24/13 18:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.28	U	1.0	0.28	ug/L			01/24/13 18:40	1
1,2,4-Trichlorobenzene	0.15	U	1.0	0.15	ug/L			01/24/13 18:40	1
1,2-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/24/13 18:40	1
1,3-Dichlorobenzene	0.14	U	1.0	0.14	ug/L			01/24/13 18:40	1
1,4-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/24/13 18:40	1
Trichlorofluoromethane	0.21	U	1.0	0.21	ug/L			01/24/13 18:40	1
Dibromochloromethane	0.18	U	1.0	0.18	ug/L			01/24/13 18:40	1
Methylcyclohexane	0.13	U	1.0	0.13	ug/L			01/24/13 18:40	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: TRIP BLANK
Date Collected: 01/15/13 00:00
Date Received: 01/18/13 09:15

Lab Sample ID: 240-20086-11
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		63 - 129		01/24/13 18:40	1
4-Bromofluorobenzene (Surr)	102		66 - 117		01/24/13 18:40	1
Toluene-d8 (Surr)	110		74 - 115		01/24/13 18:40	1
Dibromofluoromethane (Surr)	97		75 - 121		01/24/13 18:40	1

Surrogate Summary

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(63-129)	(66-117)	(74-115)	(75-121)
240-20086-1	MW-2	96	82	85	84
240-20086-2	MW-4	95	89	85	86
240-20086-3	MW-5	104	89	85	91
240-20086-4	MW-6	88	102	90	80
240-20086-5	MW-8	87	84	87	80
240-20086-6	MW-9	89	86	85	82
240-20086-7	MW-10	89	89	89	82
240-20086-8	MW-11	95	92	87	89
240-20086-9	P-3-15'	89	102	105	91
240-20086-10	STORMWATER-1	95	102	108	96
240-20086-11	TRIP BLANK	93	102	110	97
LCS 240-72813/4	Lab Control Sample	86	102	95	87
LCS 240-72939/4	Lab Control Sample	87	114	99	90
LCS 240-73083/4	Lab Control Sample	89	116	109	95
MB 240-72813/5	Method Blank	95	90	88	85
MB 240-72939/5	Method Blank	92	85	86	84
MB 240-73083/5	Method Blank	91	112	111	92

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	TBP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(20-110)	(10-110)	(21-110)	(21-110)	(21-110)	(24-110)
240-20086-1	MW-2	60	73	76	63	76	70
240-20086-2	MW-4	57	71	83	60	73	73
240-20086-3	MW-5	61	75	80	63	78	70
240-20086-5	MW-8	61	78	80	66	80	70
240-20086-6	MW-9	67	80	91	69	83	77
240-20086-7	MW-10	56	74	78	60	77	49
240-20086-9	P-3-15'	58	70	79	57	74	69
240-20086-10	STORMWATER-1	56	71	81	60	74	56
LCS 240-72694/12-A	Lab Control Sample	70	88	86	76	88	75
MB 240-72694/11-A	Method Blank	71	91	85	74	92	80

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

Surrogate Summary

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
		TCX2	DCB2								
Lab Sample ID	Client Sample ID	(23-136)	(10-130)								
240-20086-5	MW-8	83	61								
240-20086-10	STORMWATER-1	82	50								
LCS 240-72692/5-A	Lab Control Sample	76	66								
MB 240-72692/4-A	Method Blank	77	70								

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-72813/5
Matrix: Water
Analysis Batch: 72813

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.1	U	10	1.1	ug/L			01/22/13 11:47	1
Benzene	0.13	U	1.0	0.13	ug/L			01/22/13 11:47	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			01/22/13 11:47	1
Bromoform	0.64	U	1.0	0.64	ug/L			01/22/13 11:47	1
Bromomethane	0.41	U	1.0	0.41	ug/L			01/22/13 11:47	1
2-Butanone (MEK)	0.57	U	10	0.57	ug/L			01/22/13 11:47	1
Carbon disulfide	0.13	U	5.0	0.13	ug/L			01/22/13 11:47	1
Carbon tetrachloride	0.13	U	1.0	0.13	ug/L			01/22/13 11:47	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			01/22/13 11:47	1
Chloroethane	0.29	U	1.0	0.29	ug/L			01/22/13 11:47	1
Chloroform	0.16	U	1.0	0.16	ug/L			01/22/13 11:47	1
Chloromethane	0.30	U	1.0	0.30	ug/L			01/22/13 11:47	1
1,1-Dichloroethane	0.15	U	1.0	0.15	ug/L			01/22/13 11:47	1
1,2-Dichloroethane	0.22	U	1.0	0.22	ug/L			01/22/13 11:47	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/22/13 11:47	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			01/22/13 11:47	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/22/13 11:47	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			01/22/13 11:47	1
Ethylbenzene	0.17	U	1.0	0.17	ug/L			01/22/13 11:47	1
2-Hexanone	0.41	U	10	0.41	ug/L			01/22/13 11:47	1
Methylene Chloride	0.33	U	5.0	0.33	ug/L			01/22/13 11:47	1
4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32	ug/L			01/22/13 11:47	1
Styrene	0.11	U	1.0	0.11	ug/L			01/22/13 11:47	1
1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18	ug/L			01/22/13 11:47	1
Tetrachloroethene	0.29	U	1.0	0.29	ug/L			01/22/13 11:47	1
Toluene	0.13	U	1.0	0.13	ug/L			01/22/13 11:47	1
Trichloroethene	0.17	U	1.0	0.17	ug/L			01/22/13 11:47	1
Vinyl chloride	0.22	U	1.0	0.22	ug/L			01/22/13 11:47	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			01/22/13 11:47	1
1,1,1-Trichloroethane	0.22	U	1.0	0.22	ug/L			01/22/13 11:47	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			01/22/13 11:47	1
Cyclohexane	0.12	U	1.0	0.12	ug/L			01/22/13 11:47	1
1,2-Dibromo-3-Chloropropane	0.67	U	1.0	0.67	ug/L			01/22/13 11:47	1
1,2-Dibromoethane	0.24	U	1.0	0.24	ug/L			01/22/13 11:47	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/22/13 11:47	1
cis-1,2-Dichloroethene	0.17	U	1.0	0.17	ug/L			01/22/13 11:47	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/22/13 11:47	1
Isopropylbenzene	0.13	U	1.0	0.13	ug/L			01/22/13 11:47	1
Methyl acetate	0.38	U	10	0.38	ug/L			01/22/13 11:47	1
Methyl tert-butyl ether	0.17	U	5.0	0.17	ug/L			01/22/13 11:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.28	U	1.0	0.28	ug/L			01/22/13 11:47	1
1,2,4-Trichlorobenzene	0.15	U	1.0	0.15	ug/L			01/22/13 11:47	1
1,2-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/22/13 11:47	1
1,3-Dichlorobenzene	0.14	U	1.0	0.14	ug/L			01/22/13 11:47	1
1,4-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/22/13 11:47	1
Trichlorofluoromethane	0.21	U	1.0	0.21	ug/L			01/22/13 11:47	1
Dibromochloromethane	0.18	U	1.0	0.18	ug/L			01/22/13 11:47	1
Methylcyclohexane	0.13	U	1.0	0.13	ug/L			01/22/13 11:47	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-72813/5
Matrix: Water
Analysis Batch: 72813

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		63 - 129		01/22/13 11:47	1
4-Bromofluorobenzene (Surr)	90		66 - 117		01/22/13 11:47	1
Toluene-d8 (Surr)	88		74 - 115		01/22/13 11:47	1
Dibromofluoromethane (Surr)	85		75 - 121		01/22/13 11:47	1

Lab Sample ID: LCS 240-72813/4
Matrix: Water
Analysis Batch: 72813

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	22.3		ug/L		112	43 - 136
Benzene	10.0	9.54		ug/L		95	83 - 112
Bromodichloromethane	10.0	9.75		ug/L		97	72 - 121
Bromoform	10.0	8.17		ug/L		82	40 - 131
Bromomethane	10.0	7.44		ug/L		74	11 - 185
2-Butanone (MEK)	20.0	19.7		ug/L		98	60 - 126
Carbon disulfide	10.0	8.24		ug/L		82	62 - 142
Carbon tetrachloride	10.0	10.1		ug/L		101	66 - 128
Chlorobenzene	10.0	9.95		ug/L		100	85 - 110
Chloroethane	10.0	7.61		ug/L		76	25 - 153
Chloroform	10.0	8.70		ug/L		87	79 - 117
Chloromethane	10.0	7.67		ug/L		77	44 - 126
1,1-Dichloroethane	10.0	9.36		ug/L		94	82 - 115
1,2-Dichloroethane	10.0	9.77		ug/L		98	71 - 127
1,1-Dichloroethene	10.0	8.27		ug/L		83	78 - 131
1,2-Dichloropropane	10.0	10.5		ug/L		105	81 - 115
cis-1,3-Dichloropropene	10.0	9.25		ug/L		92	61 - 115
trans-1,3-Dichloropropene	10.0	9.53		ug/L		95	58 - 117
Ethylbenzene	10.0	9.75		ug/L		97	83 - 112
2-Hexanone	20.0	21.7		ug/L		108	55 - 133
Methylene Chloride	10.0	9.64		ug/L		96	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	20.2		ug/L		101	63 - 128
Styrene	10.0	10.2		ug/L		102	79 - 114
1,1,2,2-Tetrachloroethane	10.0	9.96		ug/L		100	68 - 118
Tetrachloroethene	10.0	8.96		ug/L		90	79 - 114
Toluene	10.0	9.68		ug/L		97	84 - 111
Trichloroethene	10.0	9.06		ug/L		91	76 - 117
Vinyl chloride	10.0	7.51		ug/L		75	53 - 127
Xylenes, Total	30.0	29.8		ug/L		99	83 - 112
1,1,1-Trichloroethane	10.0	9.74		ug/L		97	74 - 118
1,1,2-Trichloroethane	10.0	10.2		ug/L		102	80 - 112
Cyclohexane	10.0	8.69		ug/L		87	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	8.47		ug/L		85	42 - 136
1,2-Dibromoethane	10.0	10.2		ug/L		102	79 - 113
Dichlorodifluoromethane	10.0	7.31		ug/L		73	19 - 129
cis-1,2-Dichloroethene	10.0	9.18		ug/L		92	80 - 113
trans-1,2-Dichloroethene	10.0	9.36		ug/L		94	83 - 117
Isopropylbenzene	10.0	9.55		ug/L		95	75 - 114

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-72813/4
Matrix: Water
Analysis Batch: 72813

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl acetate	10.0	9.61	J	ug/L		96	58 - 131
Methyl tert-butyl ether	10.0	9.07		ug/L		91	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	8.55		ug/L		85	74 - 151
1,2,4-Trichlorobenzene	10.0	8.31		ug/L		83	48 - 135
1,2-Dichlorobenzene	10.0	9.60		ug/L		96	81 - 110
1,3-Dichlorobenzene	10.0	9.81		ug/L		98	80 - 110
1,4-Dichlorobenzene	10.0	9.41		ug/L		94	82 - 110
Trichlorofluoromethane	10.0	7.97		ug/L		80	49 - 157
Dibromochloromethane	10.0	9.83		ug/L		98	64 - 119
Methylcyclohexane	10.0	8.48		ug/L		85	56 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*63 - 129*
4-Bromofluorobenzene (Surr)	*102*		*66 - 117*
Toluene-d8 (Surr)	*95*		*74 - 115*
Dibromofluoromethane (Surr)	*87*		*75 - 121*

Lab Sample ID: MB 240-72939/5
Matrix: Water
Analysis Batch: 72939

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.1	U	10	1.1	ug/L			01/23/13 11:54	1
Benzene	0.13	U	1.0	0.13	ug/L			01/23/13 11:54	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			01/23/13 11:54	1
Bromoform	0.64	U	1.0	0.64	ug/L			01/23/13 11:54	1
Bromomethane	0.41	U	1.0	0.41	ug/L			01/23/13 11:54	1
2-Butanone (MEK)	0.57	U	10	0.57	ug/L			01/23/13 11:54	1
Carbon disulfide	0.13	U	5.0	0.13	ug/L			01/23/13 11:54	1
Carbon tetrachloride	0.13	U	1.0	0.13	ug/L			01/23/13 11:54	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			01/23/13 11:54	1
Chloroethane	0.29	U	1.0	0.29	ug/L			01/23/13 11:54	1
Chloroform	0.16	U	1.0	0.16	ug/L			01/23/13 11:54	1
Chloromethane	0.30	U	1.0	0.30	ug/L			01/23/13 11:54	1
1,1-Dichloroethane	0.15	U	1.0	0.15	ug/L			01/23/13 11:54	1
1,2-Dichloroethane	0.22	U	1.0	0.22	ug/L			01/23/13 11:54	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/23/13 11:54	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			01/23/13 11:54	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/23/13 11:54	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			01/23/13 11:54	1
Ethylbenzene	0.17	U	1.0	0.17	ug/L			01/23/13 11:54	1
2-Hexanone	0.41	U	10	0.41	ug/L			01/23/13 11:54	1
Methylene Chloride	0.33	U	5.0	0.33	ug/L			01/23/13 11:54	1
4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32	ug/L			01/23/13 11:54	1
Styrene	0.11	U	1.0	0.11	ug/L			01/23/13 11:54	1
1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18	ug/L			01/23/13 11:54	1
Tetrachloroethene	0.29	U	1.0	0.29	ug/L			01/23/13 11:54	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-72939/5
Matrix: Water
Analysis Batch: 72939

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.13	U	1.0	0.13	ug/L			01/23/13 11:54	1
Trichloroethene	0.17	U	1.0	0.17	ug/L			01/23/13 11:54	1
Vinyl chloride	0.22	U	1.0	0.22	ug/L			01/23/13 11:54	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			01/23/13 11:54	1
1,1,1-Trichloroethane	0.22	U	1.0	0.22	ug/L			01/23/13 11:54	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			01/23/13 11:54	1
Cyclohexane	0.12	U	1.0	0.12	ug/L			01/23/13 11:54	1
1,2-Dibromo-3-Chloropropane	0.67	U	1.0	0.67	ug/L			01/23/13 11:54	1
1,2-Dibromoethane	0.24	U	1.0	0.24	ug/L			01/23/13 11:54	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/23/13 11:54	1
cis-1,2-Dichloroethene	0.17	U	1.0	0.17	ug/L			01/23/13 11:54	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/23/13 11:54	1
Isopropylbenzene	0.13	U	1.0	0.13	ug/L			01/23/13 11:54	1
Methyl acetate	0.38	U	10	0.38	ug/L			01/23/13 11:54	1
Methyl tert-butyl ether	0.17	U	5.0	0.17	ug/L			01/23/13 11:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.28	U	1.0	0.28	ug/L			01/23/13 11:54	1
1,2,4-Trichlorobenzene	0.15	U	1.0	0.15	ug/L			01/23/13 11:54	1
1,2-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/23/13 11:54	1
1,3-Dichlorobenzene	0.14	U	1.0	0.14	ug/L			01/23/13 11:54	1
1,4-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/23/13 11:54	1
Trichlorofluoromethane	0.21	U	1.0	0.21	ug/L			01/23/13 11:54	1
Dibromochloromethane	0.18	U	1.0	0.18	ug/L			01/23/13 11:54	1
Methylcyclohexane	0.13	U	1.0	0.13	ug/L			01/23/13 11:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*63 - 129*		*01/23/13 11:54*	*1*
4-Bromofluorobenzene (Surr)	*85*		*66 - 117*		*01/23/13 11:54*	*1*
Toluene-d8 (Surr)	*86*		*74 - 115*		*01/23/13 11:54*	*1*
Dibromofluoromethane (Surr)	*84*		*75 - 121*		*01/23/13 11:54*	*1*

Lab Sample ID: LCS 240-72939/4
Matrix: Water
Analysis Batch: 72939

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	26.1		ug/L		130	43 - 136
Benzene	10.0	9.75		ug/L		97	83 - 112
Bromodichloromethane	10.0	9.30		ug/L		93	72 - 121
Bromoform	10.0	8.37		ug/L		84	40 - 131
Bromomethane	10.0	7.67		ug/L		77	11 - 185
2-Butanone (MEK)	20.0	20.8		ug/L		104	60 - 126
Carbon disulfide	10.0	8.57		ug/L		86	62 - 142
Carbon tetrachloride	10.0	10.3		ug/L		103	66 - 128
Chlorobenzene	10.0	9.95		ug/L		100	85 - 110
Chloroethane	10.0	7.61		ug/L		76	25 - 153
Chloroform	10.0	9.11		ug/L		91	79 - 117
Chloromethane	10.0	8.57		ug/L		86	44 - 126
1,1-Dichloroethane	10.0	9.90		ug/L		99	82 - 115

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-72939/4
Matrix: Water
Analysis Batch: 72939

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	10.0	9.62		ug/L		96	71 - 127
1,1-Dichloroethene	10.0	8.65		ug/L		87	78 - 131
1,2-Dichloropropane	10.0	10.1		ug/L		101	81 - 115
cis-1,3-Dichloropropene	10.0	8.18		ug/L		82	61 - 115
trans-1,3-Dichloropropene	10.0	9.13		ug/L		91	58 - 117
Ethylbenzene	10.0	10.3		ug/L		103	83 - 112
2-Hexanone	20.0	24.7		ug/L		123	55 - 133
Methylene Chloride	10.0	9.93		ug/L		99	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	19.8		ug/L		99	63 - 128
Styrene	10.0	10.7		ug/L		107	79 - 114
1,1,2,2-Tetrachloroethane	10.0	9.76		ug/L		98	68 - 118
Tetrachloroethene	10.0	9.82		ug/L		98	79 - 114
Toluene	10.0	10.1		ug/L		101	84 - 111
Trichloroethene	10.0	9.15		ug/L		92	76 - 117
Vinyl chloride	10.0	8.54		ug/L		85	53 - 127
Xylenes, Total	30.0	31.6		ug/L		105	83 - 112
1,1,1-Trichloroethane	10.0	9.85		ug/L		98	74 - 118
1,1,2-Trichloroethane	10.0	10.2		ug/L		102	80 - 112
Cyclohexane	10.0	9.66		ug/L		97	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	7.90		ug/L		79	42 - 136
1,2-Dibromoethane	10.0	9.93		ug/L		99	79 - 113
Dichlorodifluoromethane	10.0	8.31		ug/L		83	19 - 129
cis-1,2-Dichloroethene	10.0	9.49		ug/L		95	80 - 113
trans-1,2-Dichloroethene	10.0	9.70		ug/L		97	83 - 117
Isopropylbenzene	10.0	10.4		ug/L		104	75 - 114
Methyl acetate	10.0	10.2		ug/L		102	58 - 131
Methyl tert-butyl ether	10.0	9.49		ug/L		95	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	8.59		ug/L		86	74 - 151
1,2,4-Trichlorobenzene	10.0	8.60		ug/L		86	48 - 135
1,2-Dichlorobenzene	10.0	9.87		ug/L		99	81 - 110
1,3-Dichlorobenzene	10.0	9.95		ug/L		100	80 - 110
1,4-Dichlorobenzene	10.0	9.78		ug/L		98	82 - 110
Trichlorofluoromethane	10.0	7.73		ug/L		77	49 - 157
Dibromochloromethane	10.0	9.32		ug/L		93	64 - 119
Methylcyclohexane	10.0	9.20		ug/L		92	56 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*63 - 129*
4-Bromofluorobenzene (Surr)	*114*		*66 - 117*
Toluene-d8 (Surr)	*99*		*74 - 115*
Dibromofluoromethane (Surr)	*90*		*75 - 121*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-73083/5
Matrix: Water
Analysis Batch: 73083

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.1	U	10	1.1	ug/L			01/24/13 11:51	1
Benzene	0.13	U	1.0	0.13	ug/L			01/24/13 11:51	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			01/24/13 11:51	1
Bromoform	0.64	U	1.0	0.64	ug/L			01/24/13 11:51	1
Bromomethane	0.41	U	1.0	0.41	ug/L			01/24/13 11:51	1
2-Butanone (MEK)	0.57	U	10	0.57	ug/L			01/24/13 11:51	1
Carbon disulfide	0.13	U	5.0	0.13	ug/L			01/24/13 11:51	1
Carbon tetrachloride	0.13	U	1.0	0.13	ug/L			01/24/13 11:51	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			01/24/13 11:51	1
Chloroethane	0.29	U	1.0	0.29	ug/L			01/24/13 11:51	1
Chloroform	0.16	U	1.0	0.16	ug/L			01/24/13 11:51	1
Chloromethane	0.30	U	1.0	0.30	ug/L			01/24/13 11:51	1
1,1-Dichloroethane	0.15	U	1.0	0.15	ug/L			01/24/13 11:51	1
1,2-Dichloroethane	0.22	U	1.0	0.22	ug/L			01/24/13 11:51	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/24/13 11:51	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			01/24/13 11:51	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			01/24/13 11:51	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			01/24/13 11:51	1
Ethylbenzene	0.17	U	1.0	0.17	ug/L			01/24/13 11:51	1
2-Hexanone	0.41	U	10	0.41	ug/L			01/24/13 11:51	1
Methylene Chloride	0.685	J	5.0	0.33	ug/L			01/24/13 11:51	1
4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32	ug/L			01/24/13 11:51	1
Styrene	0.11	U	1.0	0.11	ug/L			01/24/13 11:51	1
1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18	ug/L			01/24/13 11:51	1
Tetrachloroethene	0.29	U	1.0	0.29	ug/L			01/24/13 11:51	1
Toluene	0.13	U	1.0	0.13	ug/L			01/24/13 11:51	1
Trichloroethene	0.17	U	1.0	0.17	ug/L			01/24/13 11:51	1
Vinyl chloride	0.22	U	1.0	0.22	ug/L			01/24/13 11:51	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			01/24/13 11:51	1
1,1,1-Trichloroethane	0.22	U	1.0	0.22	ug/L			01/24/13 11:51	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			01/24/13 11:51	1
Cyclohexane	0.12	U	1.0	0.12	ug/L			01/24/13 11:51	1
1,2-Dibromo-3-Chloropropane	0.67	U	1.0	0.67	ug/L			01/24/13 11:51	1
1,2-Dibromoethane	0.24	U	1.0	0.24	ug/L			01/24/13 11:51	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/24/13 11:51	1
cis-1,2-Dichloroethene	0.17	U	1.0	0.17	ug/L			01/24/13 11:51	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			01/24/13 11:51	1
Isopropylbenzene	0.13	U	1.0	0.13	ug/L			01/24/13 11:51	1
Methyl acetate	0.38	U	10	0.38	ug/L			01/24/13 11:51	1
Methyl tert-butyl ether	0.17	U	5.0	0.17	ug/L			01/24/13 11:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.28	U	1.0	0.28	ug/L			01/24/13 11:51	1
1,2,4-Trichlorobenzene	0.15	U	1.0	0.15	ug/L			01/24/13 11:51	1
1,2-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/24/13 11:51	1
1,3-Dichlorobenzene	0.14	U	1.0	0.14	ug/L			01/24/13 11:51	1
1,4-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			01/24/13 11:51	1
Trichlorofluoromethane	0.21	U	1.0	0.21	ug/L			01/24/13 11:51	1
Dibromochloromethane	0.18	U	1.0	0.18	ug/L			01/24/13 11:51	1
Methylcyclohexane	0.13	U	1.0	0.13	ug/L			01/24/13 11:51	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-73083/5
Matrix: Water
Analysis Batch: 73083

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*91*		*63 - 129*		*01/24/13 11:51*	*1*
4-Bromofluorobenzene (Surr)	*112*		*66 - 117*		*01/24/13 11:51*	*1*
Toluene-d8 (Surr)	*111*		*74 - 115*		*01/24/13 11:51*	*1*
Dibromofluoromethane (Surr)	*92*		*75 - 121*		*01/24/13 11:51*	*1*

Lab Sample ID: LCS 240-73083/4
Matrix: Water
Analysis Batch: 73083

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	18.7		ug/L		94	43 - 136
Benzene	10.0	9.14		ug/L		91	83 - 112
Bromodichloromethane	10.0	9.00		ug/L		90	72 - 121
Bromoform	10.0	9.94		ug/L		99	40 - 131
Bromomethane	10.0	7.15		ug/L		71	11 - 185
2-Butanone (MEK)	20.0	18.6		ug/L		93	60 - 126
Carbon disulfide	10.0	7.63		ug/L		76	62 - 142
Carbon tetrachloride	10.0	11.1		ug/L		111	66 - 128
Chlorobenzene	10.0	9.60		ug/L		96	85 - 110
Chloroethane	10.0	7.90		ug/L		79	25 - 153
Chloroform	10.0	9.33		ug/L		93	79 - 117
Chloromethane	10.0	8.00		ug/L		80	44 - 126
1,1-Dichloroethane	10.0	9.89		ug/L		99	82 - 115
1,2-Dichloroethane	10.0	9.42		ug/L		94	71 - 127
1,1-Dichloroethene	10.0	8.42		ug/L		84	78 - 131
1,2-Dichloropropane	10.0	9.09		ug/L		91	81 - 115
cis-1,3-Dichloropropene	10.0	8.25		ug/L		82	61 - 115
trans-1,3-Dichloropropene	10.0	9.84		ug/L		98	58 - 117
Ethylbenzene	10.0	9.40		ug/L		94	83 - 112
2-Hexanone	20.0	19.2		ug/L		96	55 - 133
Methylene Chloride	10.0	8.53		ug/L		85	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	17.1		ug/L		85	63 - 128
Styrene	10.0	9.35		ug/L		94	79 - 114
1,1,2,2-Tetrachloroethane	10.0	9.24		ug/L		92	68 - 118
Tetrachloroethene	10.0	10.7		ug/L		107	79 - 114
Toluene	10.0	10.5		ug/L		105	84 - 111
Trichloroethene	10.0	9.46		ug/L		95	76 - 117
Vinyl chloride	10.0	7.70		ug/L		77	53 - 127
Xylenes, Total	30.0	28.6		ug/L		95	83 - 112
1,1,1-Trichloroethane	10.0	11.0		ug/L		110	74 - 118
1,1,2-Trichloroethane	10.0	10.3		ug/L		103	80 - 112
Cyclohexane	10.0	9.95		ug/L		99	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	8.14		ug/L		81	42 - 136
1,2-Dibromoethane	10.0	9.37		ug/L		94	79 - 113
Dichlorodifluoromethane	10.0	8.65		ug/L		87	19 - 129
cis-1,2-Dichloroethene	10.0	8.99		ug/L		90	80 - 113
trans-1,2-Dichloroethene	10.0	9.38		ug/L		94	83 - 117
Isopropylbenzene	10.0	9.74		ug/L		97	75 - 114

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-73083/4
Matrix: Water
Analysis Batch: 73083

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl acetate	10.0	9.74	J	ug/L		97	58 - 131
Methyl tert-butyl ether	10.0	9.16		ug/L		92	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	10.8		ug/L		108	74 - 151
1,2,4-Trichlorobenzene	10.0	6.82		ug/L		68	48 - 135
1,2-Dichlorobenzene	10.0	8.93		ug/L		89	81 - 110
1,3-Dichlorobenzene	10.0	9.54		ug/L		95	80 - 110
1,4-Dichlorobenzene	10.0	9.28		ug/L		93	82 - 110
Trichlorofluoromethane	10.0	13.9		ug/L		139	49 - 157
Dibromochloromethane	10.0	9.54		ug/L		95	64 - 119
Methylcyclohexane	10.0	10.0		ug/L		100	56 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*63 - 129*
4-Bromofluorobenzene (Surr)	*116*		*66 - 117*
Toluene-d8 (Surr)	*109*		*74 - 115*
Dibromofluoromethane (Surr)	*95*		*75 - 121*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-72694/11-A
Matrix: Water
Analysis Batch: 72929

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72694

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.10	U	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 09:42	1
Benzo[a]pyrene	0.10	U	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 09:42	1
Benzo[b]fluoranthene	0.10	U	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 09:42	1
Benzo[g,h,i]perylene	0.10	U	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 09:42	1
Benzo[k]fluoranthene	0.10	U	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 09:42	1
Anthracene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 09:42	1
Chrysene	0.10	U	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 09:42	1
Dibenz(a,h)anthracene	0.10	U	2.0	0.10	ug/L		01/21/13 11:18	01/23/13 09:42	1
Fluoranthene	0.10	U	1.0	0.10	ug/L		01/21/13 11:18	01/23/13 09:42	1
Fluorene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 09:42	1
Indeno[1,2,3-cd]pyrene	0.10	U	2.0	0.10	ug/L		01/21/13 11:18	01/23/13 09:42	1
Phenanthrene	0.10	U	2.0	0.10	ug/L		01/21/13 11:18	01/23/13 09:42	1
Pyrene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 09:42	1
Acenaphthene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 09:42	1
Acenaphthylene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 09:42	1
Naphthalene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 09:42	1
2-Methylnaphthalene	0.10	U	5.0	0.10	ug/L		01/21/13 11:18	01/23/13 09:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*20 - 110*	*01/21/13 11:18*	*01/23/13 09:42*	*1*
2-Fluorophenol (Surr)	*91*		*10 - 110*	*01/21/13 11:18*	*01/23/13 09:42*	*1*
2,4,6-Tribromophenol (Surr)	*85*		*21 - 110*	*01/21/13 11:18*	*01/23/13 09:42*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-72694/11-A
Matrix: Water
Analysis Batch: 72929

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72694

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	74		21 - 110	01/21/13 11:18	01/23/13 09:42	1
Phenol-d5 (Surr)	92		21 - 110	01/21/13 11:18	01/23/13 09:42	1
Terphenyl-d14 (Surr)	80		24 - 110	01/21/13 11:18	01/23/13 09:42	1

Lab Sample ID: LCS 240-72694/12-A
Matrix: Water
Analysis Batch: 72929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72694

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	20.0	17.0		ug/L		85	52 - 110
Benzo[a]pyrene	20.0	13.2		ug/L		66	44 - 110
Benzo[b]fluoranthene	20.0	15.9		ug/L		80	48 - 110
Benzo[g,h,i]perylene	20.0	15.4		ug/L		77	50 - 110
Benzo[k]fluoranthene	20.0	15.2		ug/L		76	49 - 110
Anthracene	20.0	17.4		ug/L		87	52 - 110
Chrysene	20.0	17.0		ug/L		85	55 - 110
Dibenz(a,h)anthracene	20.0	14.7		ug/L		74	49 - 110
Fluoranthene	20.0	18.0		ug/L		90	54 - 110
Fluorene	20.0	17.2		ug/L		86	52 - 110
Indeno[1,2,3-cd]pyrene	20.0	14.3		ug/L		71	50 - 110
Phenanthrene	20.0	16.9		ug/L		84	53 - 110
Pyrene	20.0	16.9		ug/L		84	52 - 110
Acenaphthene	20.0	16.7		ug/L		83	47 - 110
Acenaphthylene	20.0	18.3		ug/L		91	49 - 110
Naphthalene	20.0	17.1		ug/L		85	44 - 110
2-Methylnaphthalene	20.0	17.8		ug/L		89	45 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	70		20 - 110
2-Fluorophenol (Surr)	88		10 - 110
2,4,6-Tribromophenol (Surr)	86		21 - 110
Nitrobenzene-d5 (Surr)	76		21 - 110
Phenol-d5 (Surr)	88		21 - 110
Terphenyl-d14 (Surr)	75		24 - 110

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 240-72692/4-A
Matrix: Water
Analysis Batch: 72877

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72692

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1016	0.17	U	0.50	0.17	ug/L		01/21/13 11:12	01/22/13 15:34	1
Aroclor-1221	0.13	U	0.50	0.13	ug/L		01/21/13 11:12	01/22/13 15:34	1
Aroclor-1232	0.16	U	0.50	0.16	ug/L		01/21/13 11:12	01/22/13 15:34	1
Aroclor-1242	0.22	U	0.50	0.22	ug/L		01/21/13 11:12	01/22/13 15:34	1
Aroclor-1248	0.10	U	0.50	0.10	ug/L		01/21/13 11:12	01/22/13 15:34	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 240-72692/4-A
Matrix: Water
Analysis Batch: 72877

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72692

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1254	0.16	U	0.50	0.16	ug/L		01/21/13 11:12	01/22/13 15:34	1
Aroclor-1260	0.17	U	0.50	0.17	ug/L		01/21/13 11:12	01/22/13 15:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*23 - 136*	*01/21/13 11:12*	*01/22/13 15:34*	*1*
DCB Decachlorobiphenyl	*70*		*10 - 130*	*01/21/13 11:12*	*01/22/13 15:34*	*1*

Lab Sample ID: LCS 240-72692/5-A
Matrix: Water
Analysis Batch: 72877

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72692

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor-1016	5.00	4.28		ug/L		86	66 - 120
Aroclor-1260	5.00	4.04		ug/L		81	55 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*76*		*23 - 136*
DCB Decachlorobiphenyl	*66*		*10 - 130*

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 180-61561/1-A
Matrix: Water
Analysis Batch: 62592

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 61561

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.036	U	1.0	0.036	ug/L		01/21/13 13:44	01/30/13 20:50	1
Arsenic	0.29	U	1.0	0.29	ug/L		01/21/13 13:44	01/30/13 20:50	1
Barium	0.098	U	10	0.098	ug/L		01/21/13 13:44	01/30/13 20:50	1
Cadmium	0.11	U	1.0	0.11	ug/L		01/21/13 13:44	01/30/13 20:50	1
Chromium	0.54	U	2.0	0.54	ug/L		01/21/13 13:44	01/30/13 20:50	1
Sodium	36.9	J	100	3.8	ug/L		01/21/13 13:44	01/30/13 20:50	1
Nickel	0.17	U	1.0	0.17	ug/L		01/21/13 13:44	01/30/13 20:50	1
Lead	0.019	U	1.0	0.019	ug/L		01/21/13 13:44	01/30/13 20:50	1
Selenium	0.42	U	5.0	0.42	ug/L		01/21/13 13:44	01/30/13 20:50	1
Zinc	0.96	U	5.0	0.96	ug/L		01/21/13 13:44	01/30/13 20:50	1

Lab Sample ID: LCS 180-61561/2-A
Matrix: Water
Analysis Batch: 62592

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 61561

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	50.0	50.1		ug/L		100	80 - 120
Arsenic	40.0	37.1		ug/L		93	80 - 120
Barium	2000	1900		ug/L		95	80 - 120
Cadmium	50.0	51.4		ug/L		103	80 - 120
Chromium	200	199		ug/L		99	80 - 120
Sodium	50000	44000		ug/L		88	80 - 120

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 180-61561/2-A
Matrix: Water
Analysis Batch: 62592

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 61561

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	500	467		ug/L		93	80 - 120
Lead	20.0	20.5		ug/L		103	80 - 120
Selenium	10.0	9.91		ug/L		99	80 - 120
Zinc	500	512		ug/L		102	80 - 120

Lab Sample ID: 240-20086-1 MS
Matrix: Water
Analysis Batch: 62592

Client Sample ID: MW-2
Prep Type: Dissolved
Prep Batch: 61561

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.036	U	50.0	49.0		ug/L		98	75 - 125
Arsenic	0.29	U	40.0	36.0		ug/L		90	75 - 125
Barium	77		2000	2000		ug/L		96	75 - 125
Cadmium	0.11	U	50.0	50.6		ug/L		101	75 - 125
Chromium	0.84	J	200	193		ug/L		96	75 - 125
Sodium	180000	B	50000	223000		ug/L		93	75 - 125
Nickel	0.17	U	500	446		ug/L		89	75 - 125
Lead	0.020	J	20.0	20.8		ug/L		104	75 - 125
Selenium	1.0	J	10.0	10.7		ug/L		97	75 - 125
Zinc	3.8	J	500	474		ug/L		94	75 - 125

Lab Sample ID: 240-20086-1 MSD
Matrix: Water
Analysis Batch: 62592

Client Sample ID: MW-2
Prep Type: Dissolved
Prep Batch: 61561

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	0.036	U	50.0	47.8		ug/L		96	75 - 125	3	20
Arsenic	0.29	U	40.0	36.8		ug/L		92	75 - 125	2	20
Barium	77		2000	1950		ug/L		94	75 - 125	2	20
Cadmium	0.11	U	50.0	49.1		ug/L		98	75 - 125	3	20
Chromium	0.84	J	200	189		ug/L		94	75 - 125	2	20
Sodium	180000	B	50000	222000		ug/L		90	75 - 125	1	20
Nickel	0.17	U	500	438		ug/L		88	75 - 125	2	20
Lead	0.020	J	20.0	20.5		ug/L		103	75 - 125	2	20
Selenium	1.0	J	10.0	9.31		ug/L		83	75 - 125	14	20
Zinc	3.8	J	500	465		ug/L		92	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-61535/1-A
Matrix: Water
Analysis Batch: 61592

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 61535

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038	U	0.20	0.038	ug/L		01/21/13 11:49	01/21/13 16:26	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 180-61535/2-A
Matrix: Water
Analysis Batch: 61592

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 61535

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	2.50	2.52		ug/L		101	80 - 120

Lab Sample ID: 240-20086-2 MS
Matrix: Water
Analysis Batch: 61592

Client Sample ID: MW-4
Prep Type: Dissolved
Prep Batch: 61535

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.038	U	1.00	1.01		ug/L		101	75 - 125

Lab Sample ID: 240-20086-2 MSD
Matrix: Water
Analysis Batch: 61592

Client Sample ID: MW-4
Prep Type: Dissolved
Prep Batch: 61535

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.038	U	1.00	1.01		ug/L		101	75 - 125	0	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 240-73216/3
Matrix: Water
Analysis Batch: 73216

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.10	U	1.0	0.10	mg/L			01/25/13 11:55	1

Lab Sample ID: LCS 240-73216/4
Matrix: Water
Analysis Batch: 73216

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	51.1		mg/L		102	90 - 110

Lab Sample ID: 240-20086-10 MS
Matrix: Water
Analysis Batch: 73216

Client Sample ID: STORMWATER-1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	110		50.0	154		mg/L		95	80 - 120

GC/MS VOA

Analysis Batch: 72813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20086-8	MW-11	Total/NA	Water	8260B	
LCS 240-72813/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-72813/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 72939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20086-1	MW-2	Total/NA	Water	8260B	
240-20086-2	MW-4	Total/NA	Water	8260B	
240-20086-3	MW-5	Total/NA	Water	8260B	
240-20086-4	MW-6	Total/NA	Water	8260B	
240-20086-5	MW-8	Total/NA	Water	8260B	
240-20086-6	MW-9	Total/NA	Water	8260B	
240-20086-7	MW-10	Total/NA	Water	8260B	
LCS 240-72939/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-72939/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 73083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20086-9	P-3-15'	Total/NA	Water	8260B	
240-20086-10	STORMWATER-1	Total/NA	Water	8260B	
240-20086-11	TRIP BLANK	Total/NA	Water	8260B	
LCS 240-73083/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-73083/5	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 72694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20086-1	MW-2	Total/NA	Water	3520C	
240-20086-2	MW-4	Total/NA	Water	3520C	
240-20086-3	MW-5	Total/NA	Water	3520C	
240-20086-5	MW-8	Total/NA	Water	3520C	
240-20086-6	MW-9	Total/NA	Water	3520C	
240-20086-7	MW-10	Total/NA	Water	3520C	
240-20086-9	P-3-15'	Total/NA	Water	3520C	
240-20086-10	STORMWATER-1	Total/NA	Water	3520C	
LCS 240-72694/12-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-72694/11-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 72929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20086-1	MW-2	Total/NA	Water	8270C	72694
240-20086-2	MW-4	Total/NA	Water	8270C	72694
240-20086-3	MW-5	Total/NA	Water	8270C	72694
240-20086-5	MW-8	Total/NA	Water	8270C	72694
240-20086-6	MW-9	Total/NA	Water	8270C	72694
240-20086-7	MW-10	Total/NA	Water	8270C	72694
240-20086-9	P-3-15'	Total/NA	Water	8270C	72694
240-20086-10	STORMWATER-1	Total/NA	Water	8270C	72694
LCS 240-72694/12-A	Lab Control Sample	Total/NA	Water	8270C	72694

GC/MS Semi VOA (Continued)

Analysis Batch: 72929 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 240-72694/11-A	Method Blank	Total/NA	Water	8270C	72694

GC Semi VOA

Prep Batch: 72692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20086-5	MW-8	Total/NA	Water	3520C	
240-20086-10	STORMWATER-1	Total/NA	Water	3520C	
LCS 240-72692/5-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-72692/4-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 72877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20086-5	MW-8	Total/NA	Water	8082	72692
240-20086-10	STORMWATER-1	Total/NA	Water	8082	72692
LCS 240-72692/5-A	Lab Control Sample	Total/NA	Water	8082	72692
MB 240-72692/4-A	Method Blank	Total/NA	Water	8082	72692

Metals

Prep Batch: 61535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20086-1	MW-2	Dissolved	Water	7470A	
240-20086-2	MW-4	Dissolved	Water	7470A	
240-20086-2 MS	MW-4	Dissolved	Water	7470A	
240-20086-2 MSD	MW-4	Dissolved	Water	7470A	
240-20086-3	MW-5	Dissolved	Water	7470A	
240-20086-5	MW-8	Dissolved	Water	7470A	
240-20086-6	MW-9	Dissolved	Water	7470A	
240-20086-7	MW-10	Dissolved	Water	7470A	
240-20086-8	MW-11	Dissolved	Water	7470A	
240-20086-9	P-3-15'	Dissolved	Water	7470A	
240-20086-10	STORMWATER-1	Dissolved	Water	7470A	
LCS 180-61535/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 180-61535/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 61561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20086-1	MW-2	Dissolved	Water	3005A	
240-20086-1 MS	MW-2	Dissolved	Water	3005A	
240-20086-1 MSD	MW-2	Dissolved	Water	3005A	
240-20086-2	MW-4	Dissolved	Water	3005A	
240-20086-3	MW-5	Dissolved	Water	3005A	
240-20086-5	MW-8	Dissolved	Water	3005A	
240-20086-6	MW-9	Dissolved	Water	3005A	
240-20086-7	MW-10	Dissolved	Water	3005A	
240-20086-8	MW-11	Dissolved	Water	3005A	
240-20086-9	P-3-15'	Dissolved	Water	3005A	
240-20086-10	STORMWATER-1	Dissolved	Water	3005A	
LCS 180-61561/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 61561 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-61561/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 61592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20086-1	MW-2	Dissolved	Water	7470A	61535
240-20086-2	MW-4	Dissolved	Water	7470A	61535
240-20086-2 MS	MW-4	Dissolved	Water	7470A	61535
240-20086-2 MSD	MW-4	Dissolved	Water	7470A	61535
240-20086-3	MW-5	Dissolved	Water	7470A	61535
240-20086-5	MW-8	Dissolved	Water	7470A	61535
240-20086-6	MW-9	Dissolved	Water	7470A	61535
240-20086-7	MW-10	Dissolved	Water	7470A	61535
240-20086-8	MW-11	Dissolved	Water	7470A	61535
240-20086-9	P-3-15'	Dissolved	Water	7470A	61535
240-20086-10	STORMWATER-1	Dissolved	Water	7470A	61535
LCS 180-61535/2-A	Lab Control Sample	Total/NA	Water	7470A	61535
MB 180-61535/1-A	Method Blank	Total/NA	Water	7470A	61535

Analysis Batch: 62592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20086-1	MW-2	Dissolved	Water	6020	61561
240-20086-1 MS	MW-2	Dissolved	Water	6020	61561
240-20086-1 MSD	MW-2	Dissolved	Water	6020	61561
240-20086-2	MW-4	Dissolved	Water	6020	61561
240-20086-3	MW-5	Dissolved	Water	6020	61561
240-20086-5	MW-8	Dissolved	Water	6020	61561
240-20086-6	MW-9	Dissolved	Water	6020	61561
240-20086-7	MW-10	Dissolved	Water	6020	61561
240-20086-8	MW-11	Dissolved	Water	6020	61561
240-20086-9	P-3-15'	Dissolved	Water	6020	61561
240-20086-10	STORMWATER-1	Dissolved	Water	6020	61561
LCS 180-61561/2-A	Lab Control Sample	Total Recoverable	Water	6020	61561
MB 180-61561/1-A	Method Blank	Total Recoverable	Water	6020	61561

General Chemistry

Analysis Batch: 73216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-20086-1	MW-2	Total/NA	Water	300.0	
240-20086-2	MW-4	Total/NA	Water	300.0	
240-20086-3	MW-5	Total/NA	Water	300.0	
240-20086-5	MW-8	Total/NA	Water	300.0	
240-20086-6	MW-9	Total/NA	Water	300.0	
240-20086-7	MW-10	Total/NA	Water	300.0	
240-20086-8	MW-11	Total/NA	Water	300.0	
240-20086-9	P-3-15'	Total/NA	Water	300.0	
240-20086-10	STORMWATER-1	Total/NA	Water	300.0	
240-20086-10 MS	STORMWATER-1	Total/NA	Water	300.0	
LCS 240-73216/4	Lab Control Sample	Total/NA	Water	300.0	
MB 240-73216/3	Method Blank	Total/NA	Water	300.0	

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: MW-2

Lab Sample ID: 240-20086-1

Date Collected: 01/16/13 13:35

Matrix: Water

Date Received: 01/18/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	72939	01/23/13 19:04	LE	TAL NC
Total/NA	Prep	3520C			72694	01/21/13 11:18	AC	TAL NC
Total/NA	Analysis	8270C		1	72929	01/23/13 19:05	JG	TAL NC
Dissolved	Prep	7470A			61535	01/21/13 11:49	JS	TAL PIT
Dissolved	Analysis	7470A		1	61592	01/21/13 16:34	JS	TAL PIT
Dissolved	Prep	3005A			61561	01/21/13 13:44	CH	TAL PIT
Dissolved	Analysis	6020		1	62592	01/30/13 21:10	BR	TAL PIT
Total/NA	Analysis	300.0		5	73216	01/25/13 15:56	JB	TAL NC

Client Sample ID: MW-4

Lab Sample ID: 240-20086-2

Date Collected: 01/15/13 13:10

Matrix: Water

Date Received: 01/18/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	72939	01/23/13 19:26	LE	TAL NC
Total/NA	Prep	3520C			72694	01/21/13 11:18	AC	TAL NC
Total/NA	Analysis	8270C		1	72929	01/23/13 16:21	JG	TAL NC
Dissolved	Prep	7470A			61535	01/21/13 11:49	JS	TAL PIT
Dissolved	Analysis	7470A		1	61592	01/21/13 16:36	JS	TAL PIT
Dissolved	Prep	3005A			61561	01/21/13 13:44	CH	TAL PIT
Dissolved	Analysis	6020		1	62592	01/30/13 21:29	BR	TAL PIT
Total/NA	Analysis	300.0		10	73216	01/25/13 16:17	JB	TAL NC

Client Sample ID: MW-5

Lab Sample ID: 240-20086-3

Date Collected: 01/15/13 12:00

Matrix: Water

Date Received: 01/18/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		3.33	72939	01/23/13 19:49	LE	TAL NC
Total/NA	Prep	3520C			72694	01/21/13 11:18	AC	TAL NC
Total/NA	Analysis	8270C		1	72929	01/23/13 15:10	JG	TAL NC
Dissolved	Prep	7470A			61535	01/21/13 11:49	JS	TAL PIT
Dissolved	Analysis	7470A		1	61592	01/21/13 16:41	JS	TAL PIT
Dissolved	Prep	3005A			61561	01/21/13 13:44	CH	TAL PIT
Dissolved	Analysis	6020		1	62592	01/30/13 21:34	BR	TAL PIT
Total/NA	Analysis	300.0		5	73216	01/25/13 16:37	JB	TAL NC

Client Sample ID: MW-6

Lab Sample ID: 240-20086-4

Date Collected: 01/16/13 11:40

Matrix: Water

Date Received: 01/18/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	72939	01/23/13 20:11	LE	TAL NC

Client Sample ID: MW-8

Lab Sample ID: 240-20086-5

Date Collected: 01/15/13 15:18

Matrix: Water

Date Received: 01/18/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	72939	01/23/13 20:33	LE	TAL NC
Total/NA	Prep	3520C			72694	01/21/13 11:18	AC	TAL NC
Total/NA	Analysis	8270C		1	72929	01/23/13 15:34	JG	TAL NC
Total/NA	Prep	3520C			72692	01/21/13 11:12	AC	TAL NC
Total/NA	Analysis	8082		1	72877	01/22/13 14:52	LH	TAL NC
Dissolved	Prep	7470A			61535	01/21/13 11:49	JS	TAL PIT
Dissolved	Analysis	7470A		1	61592	01/21/13 16:43	JS	TAL PIT
Dissolved	Prep	3005A			61561	01/21/13 13:44	CH	TAL PIT
Dissolved	Analysis	6020		1	62592	01/30/13 21:38	BR	TAL PIT
Total/NA	Analysis	300.0		10	73216	01/25/13 16:57	JB	TAL NC

Client Sample ID: MW-9

Lab Sample ID: 240-20086-6

Date Collected: 01/16/13 10:58

Matrix: Water

Date Received: 01/18/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	72939	01/23/13 20:56	LE	TAL NC
Total/NA	Prep	3520C			72694	01/21/13 11:18	AC	TAL NC
Total/NA	Analysis	8270C		1	72929	01/23/13 15:57	JG	TAL NC
Dissolved	Prep	7470A			61535	01/21/13 11:49	JS	TAL PIT
Dissolved	Analysis	7470A		1	61592	01/21/13 16:49	JS	TAL PIT
Dissolved	Prep	3005A			61561	01/21/13 13:44	CH	TAL PIT
Dissolved	Analysis	6020		1	62592	01/30/13 21:43	BR	TAL PIT
Total/NA	Analysis	300.0		10	73216	01/25/13 17:17	JB	TAL NC

Client Sample ID: MW-10

Lab Sample ID: 240-20086-7

Date Collected: 01/16/13 12:00

Matrix: Water

Date Received: 01/18/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	72939	01/23/13 21:18	LE	TAL NC
Total/NA	Prep	3520C			72694	01/21/13 11:18	AC	TAL NC
Total/NA	Analysis	8270C		1	72929	01/23/13 18:18	JG	TAL NC
Dissolved	Prep	7470A			61535	01/21/13 11:49	JS	TAL PIT
Dissolved	Analysis	7470A		1	61592	01/21/13 16:51	JS	TAL PIT

Client Sample ID: MW-10

Lab Sample ID: 240-20086-7

Date Collected: 01/16/13 12:00

Matrix: Water

Date Received: 01/18/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			61561	01/21/13 13:44	CH	TAL PIT
Dissolved	Analysis	6020		1	62592	01/30/13 21:48	BR	TAL PIT
Total/NA	Analysis	300.0		20	73216	01/25/13 17:37	JB	TAL NC

Client Sample ID: MW-11

Lab Sample ID: 240-20086-8

Date Collected: 01/16/13 10:00

Matrix: Water

Date Received: 01/18/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	72813	01/22/13 12:10	LE	TAL NC
Dissolved	Prep	7470A			61535	01/21/13 11:49	JS	TAL PIT
Dissolved	Analysis	7470A		1	61592	01/21/13 16:54	JS	TAL PIT
Dissolved	Prep	3005A			61561	01/21/13 13:44	CH	TAL PIT
Dissolved	Analysis	6020		1	62592	01/30/13 21:53	BR	TAL PIT
Total/NA	Analysis	300.0		20	73216	01/25/13 17:57	JB	TAL NC

Client Sample ID: P-3-15'

Lab Sample ID: 240-20086-9

Date Collected: 01/16/13 14:40

Matrix: Water

Date Received: 01/18/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	73083	01/24/13 17:55	LE	TAL NC
Total/NA	Prep	3520C			72694	01/21/13 11:18	AC	TAL NC
Total/NA	Analysis	8270C		1	72929	01/23/13 19:28	JG	TAL NC
Dissolved	Prep	7470A			61535	01/21/13 11:49	JS	TAL PIT
Dissolved	Analysis	7470A		1	61592	01/21/13 16:56	JS	TAL PIT
Dissolved	Prep	3005A			61561	01/21/13 13:44	CH	TAL PIT
Dissolved	Analysis	6020		1	62592	01/30/13 22:07	BR	TAL PIT
Total/NA	Analysis	300.0		10	73216	01/25/13 18:18	JB	TAL NC

Client Sample ID: STORMWATER-1

Lab Sample ID: 240-20086-10

Date Collected: 01/16/13 15:20

Matrix: Water

Date Received: 01/18/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	73083	01/24/13 18:18	LE	TAL NC
Total/NA	Prep	3520C			72694	01/21/13 11:18	AC	TAL NC
Total/NA	Analysis	8270C		1	72929	01/23/13 18:41	JG	TAL NC
Total/NA	Prep	3520C			72692	01/21/13 11:12	AC	TAL NC
Total/NA	Analysis	8082		1	72877	01/22/13 15:07	LH	TAL NC
Dissolved	Prep	7470A			61535	01/21/13 11:49	JS	TAL PIT
Dissolved	Analysis	7470A		1	61592	01/21/13 16:58	JS	TAL PIT

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Client Sample ID: STORMWATER-1

Lab Sample ID: 240-20086-10

Date Collected: 01/16/13 15:20
Matrix: Water
Date Received: 01/18/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			61561	01/21/13 13:44	CH	TAL PIT
Dissolved	Analysis	6020		1	62592	01/30/13 22:12	BR	TAL PIT
Total/NA	Analysis	300.0		1	73216	01/25/13 18:38	JB	TAL NC

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-20086-11

Date Collected: 01/15/13 00:00
Matrix: Water
Date Received: 01/18/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	73083	01/24/13 18:40	LE	TAL NC

Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Certification Summary

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054001/02

TestAmerica Job ID: 240-20086-1

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAP	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAP	5	200004	07-31-13
Kentucky	State Program	4	58	06-30-13
L-A-B	DoD ELAP		L2315	02-28-13
Nevada	State Program	9	OH-000482008A	07-31-13
New Jersey	NELAP	2	OH001	06-30-13
New York	NELAP	2	10975	04-01-13
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAP	3	68-00340	08-31-13
Texas	NELAP	6		08-03-13
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAP	3	460175	09-14-13
Wisconsin	State Program	5	999518190	08-31-13

Laboratory: TestAmerica Pittsburgh

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-13
California	NELAP	9	4224CA	03-31-13
Connecticut	State Program	1	PH-0688	09-30-14
Florida	NELAP	4	E871008	06-30-13
Illinois	NELAP	5	002602	06-30-13
L-A-B	DoD ELAP		L2314	02-24-13
Louisiana	NELAP	6	04041	06-30-13
New Hampshire	NELAP	1	203011	04-04-13
New Jersey	NELAP	2	PA005	06-30-13
New York	NELAP	2	11182	04-01-13
North Carolina DENR	State Program	4	434	12-31-13
Pennsylvania	NELAP	3	02-00416	04-30-13
South Carolina	State Program	4	89014	04-30-13
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P-Soil-01	04-16-15
USDA	Federal		P330-10-00139	04-28-13
Utah	NELAP	8	STLP	04-30-13
Virginia	NELAP	3	460189	09-14-13
Wisconsin	State Program	5	998027800	08-31-13

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: Tetra Tech	Client Project Manager: Patti McCall	Site Contact: Patti McCall	Lab Contact: Kris Brooks	COC No: 054624
Address: 710 Avis Dr.	Telephone: (734)213-4069	Telephone: (734)213-4069	Telephone: 330-966-9790	1 of 1 COCs
City/State/Zip: Ann Arbor, MI 48108	Email: patti.mccall@tetratech.com	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone: (734)213-4069	Method of Shipment/Carrier:	TAT if different from below: ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day — Standard		Walk-in client ☐ Lab picking ☐ Lab sampling ☐
Project Name: 415 West Washington	Shipping/Tracking No:			Job/SDG No:
Project Number: 117-10540 11/02				
PO# —				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite C / Grab G	PNAs (8270C SIM) ADE	Chloride	Metals (Dissolved)	Sodium	VOCs (8260)	PCBs	Sample Specific Notes / Special Instructions:
MW-2	1/16/13	13:35		X					1	3			3		Y	G	X	X	X	X	X		*diss. metals
MW-4	1/15/13	13:10		X					1	3			3		Y	G	X	X	X	X	X		field filtered
MW-5	1/15/13	12:00		X					1	3			3		Y	G	X	X	X	X	X		metals=
MW-6	1/16/13	11:40		X						3					N	G					X		Michigan 10
MW-8	1/15/13	15:10		X					1	3			5		Y	G	X	X	X	X	X	X	and mercury
MW-9	1/16/13	10:58		X					1	3			3		Y	G	X	X	X	X	X		
MW-10	1/16/13	12:00		X					1	3			3		Y	G	X	X	X	X	X		
MW-11	1/16/13	10:00		X					1	3			1		Y	G		X	X		X		
P-3-15'	1/16/13	14:40		X					1	3			3		Y	G	X	X	X	X	X		
Stormwater-1	1/16/13	15:20		X					1	3			5		Y	G	X	X	X	X	X	X	
Trip Blank	—	—		X						1					—						X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☒ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Allison Rollins	TT	1/16/13 17:30	TT cold Storage	TT	1/16/13 17:30
TT cold Storage	TT	1/17/13 8:41	Patti J. McCall	TT	1/17/13 8:41
Patti J. McCall	TT	1/17/13 8:41	Received in Laboratory by:	TEST AMERICA	1/17/13 8:41

RELINQUISHED BY: 1/17/13 15:58

1/18/13

TestAmerica Canton Sample Receipt Form/Narrative Login # : 20086

Client Tetra Tech Site Name _____ By: _____

Cooler Received on 1-18-13 Opened on 1-18-13 (Signature)

FedEx: 1st Grd Exp UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF –2 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	
IR GUN# 4G	(CF 0 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	☒ Multiple on Back
IR GUN# 5G	(CF 0 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	
IR GUN# 8	(CF 0 °C) Observed Sample Temp._____°C	Corrected Sample Temp._____°C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 3	Yes	No
-Were custody seals on the outside of the cooler(s) signed & dated?	Yes	No NA
-Were custody seals on the bottle(s)?	Yes	No
3. Shippers' packing slip attached to the cooler(s)?	Yes	No
4. Did custody papers accompany the sample(s)?	Yes	No
5. Were the custody papers relinquished & signed in the appropriate place?	Yes	No
6. Did all bottles arrive in good condition (Unbroken)? 1/19 CL	Yes	No
7. Could all bottle labels be reconciled with the COC?	Yes	No
8. Were correct bottle(s) used for the test(s) indicated?	Yes	No
9. Sufficient quantity received to perform indicated analyses?	Yes	No
10. Were sample(s) at the correct pH upon receipt?	Yes	No NA
11. Were VOAs on the COC?	Yes	No
12. Were air bubbles >6 mm in any VOA vials?	Yes	No NA
13. Was a trip blank present in the cooler(s)?	Yes	No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) 1 x L Storm water - 1 were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 051012-H2SO4; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials
2	<2	1-18/13	CSL
4	<2		
5	<2		
8	<2		
9	<2		
10	<2		
11	<2		
3-15	<2		
STORM	<2		

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant
Client	2.8	2.8	8	Ice
Client	3.1	3.1	1	1
Client	2.5	2.5	1	1

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 240-20086-1

Login Number: 20086
List Number: 1
Creator: Watson, Debbie

List Source: TestAmerica Pittsburgh
List Creation: 01/19/13 11:24 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Received extra samples not listed on COC.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-21427-1
Client Project/Site: 415 W Washington Phase II

For:
Tetra Tech GEO
710 Avis Drive
Ann Arbor, Michigan 48108

Attn: Patti McCall

Kris Brooks

Authorized for release by:
3/7/2013 8:42:19 PM

Kris Brooks
Project Manager II
kris.brooks@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits
B	Compound was found in the blank and sample.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
E	Result exceeded calibration range.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-21427-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Tetra Tech GEO

Project: 415 W Washington Phase II

Report Number: 240-21427-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 02/26/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 3.8 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples SB-1-13-2.5' (240-21427-1), SB-1-13-5' (240-21427-2), SB-3-13-5' (240-21427-3), SB-5-13-4.5-5' (240-21427-4), TW-2-13-6' (240-21427-5), MW-6R-13(10') (240-21427-8), MW-6R-13(11') (240-21427-9) and MW-13-13(8') (240-21427-10) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 02/27/2013 and analyzed on 02/28/2013 and 03/01/2013.

1,2,4-Trichlorobenzene and Methylcyclohexane were detected in method blank MB 240-76655/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. Refer to the QC report for details.

1,2-Dichloroethane-d4 (Surr), 4-Bromofluorobenzene (Surr), Dibromofluoromethane (Surr) and Toluene-d8 (Surr) failed the surrogate recovery criteria low for MW-6R-13(10') (240-21427-8). Refer to the QC report for details.

Samples MW-6R-13(10') (240-21427-8)[33.33X] and MW-6R-13(11') (240-21427-9)[6.67X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Job ID: 240-21427-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

No other difficulties were encountered during the VOCs analyses. All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples TW-1-13 (240-21427-6), TW-2-13 (240-21427-7) and TRIP BLANK (240-21427-11) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 03/04/2013.

1,2,4-Trichlorobenzene was detected in method blank MB 240-77112/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Samples TW-1-13 (240-21427-6)[5X] and TW-2-13 (240-21427-7)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOCs analyses. All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples SB-1-13-2.5' (240-21427-1), SB-1-13-5' (240-21427-2), SB-3-13-5' (240-21427-3), SB-5-13-4.5-5' (240-21427-4) and MW-6R-13(10') (240-21427-8) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 02/28/2013 and analyzed on 03/04/2013 and 03/05/2013.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Nitrobenzene-d5 (Surr) and Nitrobenzene-d5 (Surr) failed the surrogate recovery criteria high for MW-6R-13(10') (240-21427-8). Refer to the QC report for details.

Several analytes failed the recovery criteria high for the MSD of sample 240-21446-4 in batch 240-77119. Refer to the QC report for details.

Samples SB-1-13-2.5' (240-21427-1)[50X], SB-5-13-4.5-5' (240-21427-4)[2.5X] and MW-6R-13(10') (240-21427-8)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following sample(s) contained one acid and/or one base surrogate outside acceptance limits: MW-6R-13(10') (240-21427-8). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

The laboratory control sample for batch 76773 exceeded control limits for the following analyte(s): 3,3'-Dichlorobenzidine. This compound has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

The following sample(s) was diluted due to the nature of the sample matrix: SB-5-13-4.5-5' (240-21427-4). Elevated reporting limits (RLs) are provided.

No other difficulties were encountered during the SVOCs analyses. All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples SB-1-13-2.5' (240-21427-1), SB-1-13-5' (240-21427-2), SB-3-13-5' (240-21427-3), SB-5-13-4.5-5' (240-21427-4), TW-2-13-6' (240-21427-5), MW-6R-13(10') (240-21427-8), MW-6R-13(11') (240-21427-9) and MW-13-13(8') (240-21427-10) were analyzed for percent solids in accordance with EPA Method 160.3 MOD. The samples were analyzed on 02/28/2013.

Percent Moisture exceeded the rpd limit for the duplicate of sample SB-1-13-2.5'DU (240-21427-1). Refer to the QC report for details.

No other difficulties were encountered during the % solids analyses. All other quality control parameters were within the acceptance limits.

Method Summary

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NC
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NC
Moisture	Percent Moisture	EPA	TAL NC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-21427-1	SB-1-13-2.5'	Solid	02/24/13 09:05	02/26/13 09:15
240-21427-2	SB-1-13-5'	Solid	02/24/13 09:08	02/26/13 09:15
240-21427-3	SB-3-13-5'	Solid	02/24/13 10:00	02/26/13 09:15
240-21427-4	SB-5-13-4.5-5'	Solid	02/24/13 10:45	02/26/13 09:15
240-21427-5	TW-2-13-6'	Solid	02/24/13 12:30	02/26/13 09:15
240-21427-6	TW-1-13	Water	02/24/13 13:05	02/26/13 09:15
240-21427-7	TW-2-13	Water	02/24/13 15:35	02/26/13 09:15
240-21427-8	MW-6R-13(10')	Solid	02/24/13 09:40	02/26/13 09:15
240-21427-9	MW-6R-13(11')	Solid	02/24/13 11:30	02/26/13 09:15
240-21427-10	MW-13-13(8')	Solid	02/24/13 15:00	02/26/13 09:15
240-21427-11	TRIP BLANK	Water	02/24/13 00:00	02/26/13 09:15

Detection Summary

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: SB-1-13-2.5' — Lab Sample ID: 240-21427-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	33000		17000	210	ug/Kg	50	☼	8270C	Total/NA
Benzo[a]pyrene	29000		17000	210	ug/Kg	50	☼	8270C	Total/NA
Benzo[b]fluoranthene	35000		17000	210	ug/Kg	50	☼	8270C	Total/NA
Benzo[g,h,i]perylene	10000	J	17000	210	ug/Kg	50	☼	8270C	Total/NA
Benzo[k]fluoranthene	13000	J	17000	210	ug/Kg	50	☼	8270C	Total/NA
Anthracene	19000		17000	210	ug/Kg	50	☼	8270C	Total/NA
Chrysene	30000		17000	70	ug/Kg	50	☼	8270C	Total/NA
Dibenz(a,h)anthracene	3800	J	17000	210	ug/Kg	50	☼	8270C	Total/NA
Fluoranthene	66000		17000	210	ug/Kg	50	☼	8270C	Total/NA
Fluorene	8700	J	17000	210	ug/Kg	50	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	12000	J	17000	210	ug/Kg	50	☼	8270C	Total/NA
Phenanthrene	63000		17000	210	ug/Kg	50	☼	8270C	Total/NA
Pyrene	52000		17000	210	ug/Kg	50	☼	8270C	Total/NA
Acenaphthene	1400	J	17000	210	ug/Kg	50	☼	8270C	Total/NA
Acenaphthylene	7500	J	17000	210	ug/Kg	50	☼	8270C	Total/NA
Naphthalene	3200	J	17000	210	ug/Kg	50	☼	8270C	Total/NA
2-Methylnaphthalene	2500	J	17000	210	ug/Kg	50	☼	8270C	Total/NA

Client Sample ID: SB-1-13-5' — Lab Sample ID: 240-21427-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	58	J	330	4.2	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]pyrene	56	J	330	4.2	ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	89	J	330	4.2	ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	41	J	330	4.2	ug/Kg	1	☼	8270C	Total/NA
Benzo[k]fluoranthene	19	J	330	4.2	ug/Kg	1	☼	8270C	Total/NA
Anthracene	17	J	330	4.2	ug/Kg	1	☼	8270C	Total/NA
Chrysene	59	J	330	1.4	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	100	J	330	4.2	ug/Kg	1	☼	8270C	Total/NA
Fluorene	7.1	J	330	4.2	ug/Kg	1	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	33	J	330	4.2	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	63	J	330	4.2	ug/Kg	1	☼	8270C	Total/NA
Pyrene	86	J	330	4.2	ug/Kg	1	☼	8270C	Total/NA
Acenaphthylene	10	J	330	4.2	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	11	J	330	4.2	ug/Kg	1	☼	8270C	Total/NA
2-Methylnaphthalene	6.7	J	330	4.2	ug/Kg	1	☼	8270C	Total/NA

Client Sample ID: SB-3-13-5' — Lab Sample ID: 240-21427-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	9.9	J	300	3.7	ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	20	J	300	3.7	ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	18	J	300	3.7	ug/Kg	1	☼	8270C	Total/NA
Benzo[k]fluoranthene	6.9	J	300	3.7	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	11	J	300	3.7	ug/Kg	1	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	12	J	300	3.7	ug/Kg	1	☼	8270C	Total/NA
Pyrene	9.5	J	300	3.7	ug/Kg	1	☼	8270C	Total/NA

Client Sample ID: SB-5-13-4.5-5' — Lab Sample ID: 240-21427-4

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-5-13-4.5-5' (Continued) — Lab Sample ID: 240-21427-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	61	J	760	9.5	ug/Kg	2.5	☼	8270C	Total/NA
Benzo[a]pyrene	89	J	760	9.5	ug/Kg	2.5	☼	8270C	Total/NA
Benzo[b]fluoranthene	120	J	760	9.5	ug/Kg	2.5	☼	8270C	Total/NA
Benzo[g,h,i]perylene	58	J	760	9.5	ug/Kg	2.5	☼	8270C	Total/NA
Benzo[k]fluoranthene	69	J	760	9.5	ug/Kg	2.5	☼	8270C	Total/NA
Anthracene	15	J	760	9.5	ug/Kg	2.5	☼	8270C	Total/NA
Chrysene	94	J	760	3.2	ug/Kg	2.5	☼	8270C	Total/NA
Fluoranthene	95	J	760	9.5	ug/Kg	2.5	☼	8270C	Total/NA
Phenanthrene	42	J	760	9.5	ug/Kg	2.5	☼	8270C	Total/NA
Pyrene	95	J	760	9.5	ug/Kg	2.5	☼	8270C	Total/NA
2-Methylnaphthalene	12	J	760	9.5	ug/Kg	2.5	☼	8270C	Total/NA

Client Sample ID: TW-2-13-6' — Lab Sample ID: 240-21427-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	68		42	13	ug/Kg	1	☼	8260B	Total/NA
Trichloroethene	190		42	10	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: TW-1-13 — Lab Sample ID: 240-21427-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon tetrachloride	0.98	J	5.0	0.65	ug/L	5		8260B	Total/NA
Chloroform	3.1	J	5.0	0.80	ug/L	5		8260B	Total/NA
Trichloroethene	120		5.0	0.85	ug/L	5		8260B	Total/NA
1,1,1-Trichloroethane	15		5.0	1.1	ug/L	5		8260B	Total/NA

Client Sample ID: TW-2-13 — Lab Sample ID: 240-21427-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon tetrachloride	0.83	J	5.0	0.65	ug/L	5		8260B	Total/NA
Chloroform	2.3	J	5.0	0.80	ug/L	5		8260B	Total/NA
Trichloroethene	130		5.0	0.85	ug/L	5		8260B	Total/NA
1,1,1-Trichloroethane	15		5.0	1.1	ug/L	5		8260B	Total/NA

Client Sample ID: MW-6R-13(10') — Lab Sample ID: 240-21427-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	2200		1500	210	ug/Kg	33.333	☼	8260B	Total/NA
Xylenes, Total	8800		4600	310	ug/Kg	33.333	☼	8260B	Total/NA
Cyclohexane	7200	J	37000	1500	ug/Kg	33.333	☼	8260B	Total/NA
Isopropylbenzene	1800	J	7700	250	ug/Kg	33.333	☼	8260B	Total/NA
Methylcyclohexane	44000	B	37000	460	ug/Kg	33.333	☼	8260B	Total/NA
Benzo[a]anthracene	22	J	300	3.8	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]pyrene	20	J	300	3.8	ug/Kg	1	☼	8270C	Total/NA
Benzo[b]fluoranthene	20	J	300	3.8	ug/Kg	1	☼	8270C	Total/NA
Benzo[g,h,i]perylene	11	J	300	3.8	ug/Kg	1	☼	8270C	Total/NA
Benzo[k]fluoranthene	7.7	J	300	3.8	ug/Kg	1	☼	8270C	Total/NA
Anthracene	14	J	300	3.8	ug/Kg	1	☼	8270C	Total/NA
Chrysene	18	J	300	1.3	ug/Kg	1	☼	8270C	Total/NA
Fluoranthene	48	J	300	3.8	ug/Kg	1	☼	8270C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-6R-13(10') (Continued) — Lab Sample ID: 240-21427-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluorene	18	J	300	3.8	ug/Kg	1	☼	8270C	Total/NA
Indeno[1,2,3-cd]pyrene	6.3	J	300	3.8	ug/Kg	1	☼	8270C	Total/NA
Phenanthrene	51	J	300	3.8	ug/Kg	1	☼	8270C	Total/NA
Pyrene	44	J	300	3.8	ug/Kg	1	☼	8270C	Total/NA
Acenaphthene	27	J	300	3.8	ug/Kg	1	☼	8270C	Total/NA
Naphthalene	1600		300	3.8	ug/Kg	1	☼	8270C	Total/NA
2-Methylnaphthalene	3500	E	300	3.8	ug/Kg	1	☼	8270C	Total/NA
Benzo[a]anthracene - RA	27	J	1200	15	ug/Kg	4	☼	8270C	Total/NA
Benzo[a]pyrene - RA	16	J	1200	15	ug/Kg	4	☼	8270C	Total/NA
Benzo[b]fluoranthene - RA	16	J	1200	15	ug/Kg	4	☼	8270C	Total/NA
Anthracene - RA	16	J	1200	15	ug/Kg	4	☼	8270C	Total/NA
Chrysene - RA	21	J	1200	5.0	ug/Kg	4	☼	8270C	Total/NA
Fluoranthene - RA	48	J	1200	15	ug/Kg	4	☼	8270C	Total/NA
Fluorene - RA	22	J	1200	15	ug/Kg	4	☼	8270C	Total/NA
Phenanthrene - RA	48	J	1200	15	ug/Kg	4	☼	8270C	Total/NA
Pyrene - RA	41	J	1200	15	ug/Kg	4	☼	8270C	Total/NA
Acenaphthene - RA	32	J	1200	15	ug/Kg	4	☼	8270C	Total/NA
Naphthalene - RA	1700		1200	15	ug/Kg	4	☼	8270C	Total/NA
2-Methylnaphthalene - RA	3600		1200	15	ug/Kg	4	☼	8270C	Total/NA

Client Sample ID: MW-6R-13(11') — Lab Sample ID: 240-21427-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	280	J	300	91	ug/Kg	6.667	☼	8260B	Total/NA
Ethylbenzene	4600		300	41	ug/Kg	6.667	☼	8260B	Total/NA
Toluene	580	J	610	130	ug/Kg	6.667	☼	8260B	Total/NA
Xylenes, Total	43000		910	61	ug/Kg	6.667	☼	8260B	Total/NA
Cyclohexane	1700	J	7300	300	ug/Kg	6.667	☼	8260B	Total/NA
Isopropylbenzene	1500		1500	49	ug/Kg	6.667	☼	8260B	Total/NA
Methyl acetate	410	J	7300	190	ug/Kg	6.667	☼	8260B	Total/NA
Methylcyclohexane	16000	B	7300	91	ug/Kg	6.667	☼	8260B	Total/NA

Client Sample ID: MW-13-13(8') — Lab Sample ID: 240-21427-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	40	J	76	18	ug/Kg	1	☼	8260B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 240-21427-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.9	J	10	1.1	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: SB-1-13-2.5'
Date Collected: 02/24/13 09:05
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-1
Matrix: Solid
Percent Solids: 79.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	210	U	760	210	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Benzene	15	U	50	15	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Bromodichloromethane	12	U	100	12	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Bromoform	24	U	100	24	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Bromomethane	37	U	250	37	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
2-Butanone (MEK)	54	U	760	54	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Carbon disulfide	15	U	250	15	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Carbon tetrachloride	8.1	U	50	8.1	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Chlorobenzene	8.1	U	50	8.1	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Chloroethane	77	U	250	77	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Chloroform	11	U	50	11	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Chloromethane	18	U	250	18	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
1,1-Dichloroethane	21	U	50	21	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
1,2-Dichloroethane	13	U	50	13	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
1,1-Dichloroethene	23	U	50	23	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
1,2-Dichloropropane	10	U	50	10	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
cis-1,3-Dichloropropene	10	U	50	10	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
trans-1,3-Dichloropropene	25	U	50	25	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Ethylbenzene	6.8	U	50	6.8	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
2-Hexanone	25	U	2500	25	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Methylene Chloride	97	U	250	97	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
4-Methyl-2-pentanone (MIBK)	60	U	2500	60	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Styrene	7.1	U	50	7.1	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Tetrachloroethene	15	U	50	15	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Toluene	21	U	100	21	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Trichloroethene	12	U	50	12	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Vinyl chloride	23	U	40	23	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Xylenes, Total	10	U	150	10	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
1,1,1-Trichloroethane	26	U	50	26	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
1,1,2-Trichloroethane	15	U	50	15	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Cyclohexane	50	U	1200	50	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
1,2-Dibromo-3-Chloropropane	63	U	250	63	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
1,2-Dibromoethane	13	U	250	13	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Dichlorodifluoromethane	20	U	100	20	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
cis-1,2-Dichloroethene	8.7	U	50	8.7	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
trans-1,2-Dichloroethene	12	U	50	12	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Isopropylbenzene	8.2	U	250	8.2	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Methyl acetate	32	U	1200	32	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Methyl tert-butyl ether	8.9	U	250	8.9	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	49	U	250	49	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
1,2,4-Trichlorobenzene	9.2	U	250	9.2	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
1,2-Dichlorobenzene	11	U	100	11	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
1,3-Dichlorobenzene	6.0	U	100	6.0	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
1,4-Dichlorobenzene	10	U	100	10	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Trichlorofluoromethane	20	U	100	20	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Dibromochloromethane	15	U	50	15	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1
Methylcyclohexane	15	U	1200	15	ug/Kg	☼	02/27/13 12:14	02/28/13 14:38	1

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: SB-1-13-2.5'
Date Collected: 02/24/13 09:05
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-1
Matrix: Solid
Percent Solids: 79.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	75		39 - 128	02/27/13 12:14	02/28/13 14:38	1
4-Bromofluorobenzene (Surr)	69		26 - 141	02/27/13 12:14	02/28/13 14:38	1
Toluene-d8 (Surr)	76		33 - 134	02/27/13 12:14	02/28/13 14:38	1
Dibromofluoromethane (Surr)	76		30 - 122	02/27/13 12:14	02/28/13 14:38	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	33000		17000	210	ug/Kg	☼	02/28/13 09:45	03/04/13 23:43	50
Benzo[a]pyrene	29000		17000	210	ug/Kg	☼	02/28/13 09:45	03/04/13 23:43	50
Benzo[b]fluoranthene	35000		17000	210	ug/Kg	☼	02/28/13 09:45	03/04/13 23:43	50
Benzo[g,h,i]perylene	10000	J	17000	210	ug/Kg	☼	02/28/13 09:45	03/04/13 23:43	50
Benzo[k]fluoranthene	13000	J	17000	210	ug/Kg	☼	02/28/13 09:45	03/04/13 23:43	50
Anthracene	19000		17000	210	ug/Kg	☼	02/28/13 09:45	03/04/13 23:43	50
Chrysene	30000		17000	70	ug/Kg	☼	02/28/13 09:45	03/04/13 23:43	50
Dibenz(a,h)anthracene	3800	J	17000	210	ug/Kg	☼	02/28/13 09:45	03/04/13 23:43	50
Fluoranthene	66000		17000	210	ug/Kg	☼	02/28/13 09:45	03/04/13 23:43	50
Fluorene	8700	J	17000	210	ug/Kg	☼	02/28/13 09:45	03/04/13 23:43	50
Indeno[1,2,3-cd]pyrene	12000	J	17000	210	ug/Kg	☼	02/28/13 09:45	03/04/13 23:43	50
Phenanthrene	63000		17000	210	ug/Kg	☼	02/28/13 09:45	03/04/13 23:43	50
Pyrene	52000		17000	210	ug/Kg	☼	02/28/13 09:45	03/04/13 23:43	50
Acenaphthene	1400	J	17000	210	ug/Kg	☼	02/28/13 09:45	03/04/13 23:43	50
Acenaphthylene	7500	J	17000	210	ug/Kg	☼	02/28/13 09:45	03/04/13 23:43	50
Naphthalene	3200	J	17000	210	ug/Kg	☼	02/28/13 09:45	03/04/13 23:43	50
2-Methylnaphthalene	2500	J	17000	210	ug/Kg	☼	02/28/13 09:45	03/04/13 23:43	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	69		24 - 110	02/28/13 09:45	03/04/13 23:43	50
2-Fluorophenol (Surr)	50		24 - 110	02/28/13 09:45	03/04/13 23:43	50
2,4,6-Tribromophenol (Surr)	42		10 - 110	02/28/13 09:45	03/04/13 23:43	50
Nitrobenzene-d5 (Surr)	63		20 - 110	02/28/13 09:45	03/04/13 23:43	50
Phenol-d5 (Surr)	53		26 - 110	02/28/13 09:45	03/04/13 23:43	50
Terphenyl-d14 (Surr)	87		36 - 110	02/28/13 09:45	03/04/13 23:43	50

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: SB-1-13-5'
Date Collected: 02/24/13 09:08
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-2
Matrix: Solid
Percent Solids: 79.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	210	U	760	210	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Benzene	15	U	50	15	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Bromodichloromethane	12	U	100	12	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Bromoform	24	U	100	24	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Bromomethane	37	U	250	37	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
2-Butanone (MEK)	54	U	760	54	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Carbon disulfide	15	U	250	15	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Carbon tetrachloride	8.1	U	50	8.1	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Chlorobenzene	8.1	U	50	8.1	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Chloroethane	77	U	250	77	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Chloroform	11	U	50	11	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Chloromethane	18	U	250	18	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
1,1-Dichloroethane	21	U	50	21	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
1,2-Dichloroethane	13	U	50	13	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
1,1-Dichloroethene	23	U	50	23	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
1,2-Dichloropropane	10	U	50	10	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
cis-1,3-Dichloropropene	9.9	U	50	9.9	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
trans-1,3-Dichloropropene	25	U	50	25	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Ethylbenzene	6.8	U	50	6.8	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
2-Hexanone	25	U	2500	25	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Methylene Chloride	97	U	250	97	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
4-Methyl-2-pentanone (MIBK)	60	U	2500	60	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Styrene	7.1	U	50	7.1	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
1,1,2,2-Tetrachloroethane	11	U	50	11	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Tetrachloroethene	15	U	50	15	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Toluene	21	U	100	21	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Trichloroethene	12	U	50	12	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Vinyl chloride	23	U	40	23	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Xylenes, Total	10	U	150	10	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
1,1,1-Trichloroethane	26	U	50	26	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
1,1,2-Trichloroethane	15	U	50	15	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Cyclohexane	50	U	1200	50	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
1,2-Dibromo-3-Chloropropane	63	U	250	63	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
1,2-Dibromoethane	13	U	250	13	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Dichlorodifluoromethane	20	U	100	20	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
cis-1,2-Dichloroethene	8.7	U	50	8.7	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
trans-1,2-Dichloroethene	12	U	50	12	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Isopropylbenzene	8.2	U	250	8.2	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Methyl acetate	31	U	1200	31	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Methyl tert-butyl ether	8.9	U	250	8.9	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	49	U	250	49	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
1,2,4-Trichlorobenzene	9.2	U	250	9.2	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
1,2-Dichlorobenzene	11	U	100	11	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
1,3-Dichlorobenzene	6.0	U	100	6.0	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
1,4-Dichlorobenzene	10	U	100	10	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Trichlorofluoromethane	20	U	100	20	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Dibromochloromethane	15	U	50	15	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1
Methylcyclohexane	15	U	1200	15	ug/Kg	☼	02/27/13 12:14	02/28/13 15:05	1

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: SB-1-13-5'
Date Collected: 02/24/13 09:08
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-2
Matrix: Solid
Percent Solids: 79.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	73		39 - 128	02/27/13 12:14	02/28/13 15:05	1
4-Bromofluorobenzene (Surr)	67		26 - 141	02/27/13 12:14	02/28/13 15:05	1
Toluene-d8 (Surr)	77		33 - 134	02/27/13 12:14	02/28/13 15:05	1
Dibromofluoromethane (Surr)	76		30 - 122	02/27/13 12:14	02/28/13 15:05	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	58	J	330	4.2	ug/Kg	☼	02/28/13 09:45	03/04/13 20:11	1
Benzo[a]pyrene	56	J	330	4.2	ug/Kg	☼	02/28/13 09:45	03/04/13 20:11	1
Benzo[b]fluoranthene	89	J	330	4.2	ug/Kg	☼	02/28/13 09:45	03/04/13 20:11	1
Benzo[g,h,i]perylene	41	J	330	4.2	ug/Kg	☼	02/28/13 09:45	03/04/13 20:11	1
Benzo[k]fluoranthene	19	J	330	4.2	ug/Kg	☼	02/28/13 09:45	03/04/13 20:11	1
Anthracene	17	J	330	4.2	ug/Kg	☼	02/28/13 09:45	03/04/13 20:11	1
Chrysene	59	J	330	1.4	ug/Kg	☼	02/28/13 09:45	03/04/13 20:11	1
Dibenz(a,h)anthracene	4.2	U	330	4.2	ug/Kg	☼	02/28/13 09:45	03/04/13 20:11	1
Fluoranthene	100	J	330	4.2	ug/Kg	☼	02/28/13 09:45	03/04/13 20:11	1
Fluorene	7.1	J	330	4.2	ug/Kg	☼	02/28/13 09:45	03/04/13 20:11	1
Indeno[1,2,3-cd]pyrene	33	J	330	4.2	ug/Kg	☼	02/28/13 09:45	03/04/13 20:11	1
Phenanthrene	63	J	330	4.2	ug/Kg	☼	02/28/13 09:45	03/04/13 20:11	1
Pyrene	86	J	330	4.2	ug/Kg	☼	02/28/13 09:45	03/04/13 20:11	1
Acenaphthene	4.2	U	330	4.2	ug/Kg	☼	02/28/13 09:45	03/04/13 20:11	1
Acenaphthylene	10	J	330	4.2	ug/Kg	☼	02/28/13 09:45	03/04/13 20:11	1
Naphthalene	11	J	330	4.2	ug/Kg	☼	02/28/13 09:45	03/04/13 20:11	1
2-Methylnaphthalene	6.7	J	330	4.2	ug/Kg	☼	02/28/13 09:45	03/04/13 20:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	64		24 - 110	02/28/13 09:45	03/04/13 20:11	1
2-Fluorophenol (Surr)	57		24 - 110	02/28/13 09:45	03/04/13 20:11	1
2,4,6-Tribromophenol (Surr)	44		10 - 110	02/28/13 09:45	03/04/13 20:11	1
Nitrobenzene-d5 (Surr)	63		20 - 110	02/28/13 09:45	03/04/13 20:11	1
Phenol-d5 (Surr)	56		26 - 110	02/28/13 09:45	03/04/13 20:11	1
Terphenyl-d14 (Surr)	82		36 - 110	02/28/13 09:45	03/04/13 20:11	1

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: SB-3-13-5'
Date Collected: 02/24/13 10:00
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-3
Matrix: Solid
Percent Solids: 88.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	190	U	680	190	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Benzene	14	U	45	14	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Bromodichloromethane	11	U	91	11	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Bromoform	22	U	91	22	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Bromomethane	33	U	230	33	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
2-Butanone (MEK)	49	U	680	49	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Carbon disulfide	14	U	230	14	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Carbon tetrachloride	7.2	U	45	7.2	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Chlorobenzene	7.2	U	45	7.2	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Chloroethane	69	U	230	69	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Chloroform	10	U	45	10	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Chloromethane	16	U	230	16	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
1,1-Dichloroethane	19	U	45	19	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
1,2-Dichloroethane	11	U	45	11	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
1,1-Dichloroethene	20	U	45	20	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
1,2-Dichloropropane	9.3	U	45	9.3	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
cis-1,3-Dichloropropene	8.9	U	45	8.9	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
trans-1,3-Dichloropropene	23	U	45	23	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Ethylbenzene	6.1	U	45	6.1	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
2-Hexanone	23	U	2300	23	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Methylene Chloride	87	U	230	87	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
4-Methyl-2-pentanone (MIBK)	54	U	2300	54	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Styrene	6.3	U	45	6.3	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
1,1,2,2-Tetrachloroethane	10	U	45	10	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Tetrachloroethene	14	U	45	14	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Toluene	19	U	91	19	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Trichloroethene	11	U	45	11	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Vinyl chloride	20	U	36	20	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Xylenes, Total	9.2	U	140	9.2	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
1,1,1-Trichloroethane	24	U	45	24	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
1,1,2-Trichloroethane	14	U	45	14	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Cyclohexane	45	U	1100	45	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
1,2-Dibromo-3-Chloropropane	57	U	230	57	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
1,2-Dibromoethane	11	U	230	11	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Dichlorodifluoromethane	18	U	91	18	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
cis-1,2-Dichloroethene	7.8	U	45	7.8	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
trans-1,2-Dichloroethene	10	U	45	10	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Isopropylbenzene	7.4	U	230	7.4	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Methyl acetate	28	U	1100	28	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Methyl tert-butyl ether	8.0	U	230	8.0	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	44	U	230	44	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
1,2,4-Trichlorobenzene	8.3	U	230	8.3	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
1,2-Dichlorobenzene	9.7	U	91	9.7	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
1,3-Dichlorobenzene	5.4	U	91	5.4	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
1,4-Dichlorobenzene	9.1	U	91	9.1	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Trichlorofluoromethane	18	U	91	18	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Dibromochloromethane	14	U	45	14	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1
Methylcyclohexane	14	U	1100	14	ug/Kg	☼	02/27/13 12:14	02/28/13 15:31	1

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: SB-3-13-5'
Date Collected: 02/24/13 10:00
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-3
Matrix: Solid
Percent Solids: 88.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	79		39 - 128	02/27/13 12:14	02/28/13 15:31	1
4-Bromofluorobenzene (Surr)	73		26 - 141	02/27/13 12:14	02/28/13 15:31	1
Toluene-d8 (Surr)	83		33 - 134	02/27/13 12:14	02/28/13 15:31	1
Dibromofluoromethane (Surr)	78		30 - 122	02/27/13 12:14	02/28/13 15:31	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	3.7	U	300	3.7	ug/Kg	☼	02/28/13 09:45	03/04/13 19:47	1
Benzo[a]pyrene	**9.9**	**J**	300	3.7	ug/Kg	☼	02/28/13 09:45	03/04/13 19:47	1
Benzo[b]fluoranthene	**20**	**J**	300	3.7	ug/Kg	☼	02/28/13 09:45	03/04/13 19:47	1
Benzo[g,h,i]perylene	**18**	**J**	300	3.7	ug/Kg	☼	02/28/13 09:45	03/04/13 19:47	1
Benzo[k]fluoranthene	**6.9**	**J**	300	3.7	ug/Kg	☼	02/28/13 09:45	03/04/13 19:47	1
Anthracene	3.7	U	300	3.7	ug/Kg	☼	02/28/13 09:45	03/04/13 19:47	1
Chrysene	1.2	U	300	1.2	ug/Kg	☼	02/28/13 09:45	03/04/13 19:47	1
Dibenz(a,h)anthracene	3.7	U	300	3.7	ug/Kg	☼	02/28/13 09:45	03/04/13 19:47	1
Fluoranthene	**11**	**J**	300	3.7	ug/Kg	☼	02/28/13 09:45	03/04/13 19:47	1
Fluorene	3.7	U	300	3.7	ug/Kg	☼	02/28/13 09:45	03/04/13 19:47	1
Indeno[1,2,3-cd]pyrene	**12**	**J**	300	3.7	ug/Kg	☼	02/28/13 09:45	03/04/13 19:47	1
Phenanthrene	3.7	U	300	3.7	ug/Kg	☼	02/28/13 09:45	03/04/13 19:47	1
Pyrene	**9.5**	**J**	300	3.7	ug/Kg	☼	02/28/13 09:45	03/04/13 19:47	1
Acenaphthene	3.7	U	300	3.7	ug/Kg	☼	02/28/13 09:45	03/04/13 19:47	1
Acenaphthylene	3.7	U	300	3.7	ug/Kg	☼	02/28/13 09:45	03/04/13 19:47	1
Naphthalene	3.7	U	300	3.7	ug/Kg	☼	02/28/13 09:45	03/04/13 19:47	1
2-Methylnaphthalene	3.7	U	300	3.7	ug/Kg	☼	02/28/13 09:45	03/04/13 19:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	67		24 - 110	02/28/13 09:45	03/04/13 19:47	1
2-Fluorophenol (Surr)	45		24 - 110	02/28/13 09:45	03/04/13 19:47	1
2,4,6-Tribromophenol (Surr)	30		10 - 110	02/28/13 09:45	03/04/13 19:47	1
Nitrobenzene-d5 (Surr)	66		20 - 110	02/28/13 09:45	03/04/13 19:47	1
Phenol-d5 (Surr)	44		26 - 110	02/28/13 09:45	03/04/13 19:47	1
Terphenyl-d14 (Surr)	92		36 - 110	02/28/13 09:45	03/04/13 19:47	1

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: SB-5-13-4.5-5'
Date Collected: 02/24/13 10:45
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-4
Matrix: Solid
Percent Solids: 85.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	200	U	700	200	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Benzene	14	U	47	14	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Bromodichloromethane	12	U	93	12	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Bromoform	22	U	93	22	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Bromomethane	34	U	230	34	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
2-Butanone (MEK)	50	U	700	50	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Carbon disulfide	14	U	230	14	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Carbon tetrachloride	7.4	U	47	7.4	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Chlorobenzene	7.4	U	47	7.4	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Chloroethane	71	U	230	71	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Chloroform	10	U	47	10	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Chloromethane	16	U	230	16	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
1,1-Dichloroethane	20	U	47	20	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
1,2-Dichloroethane	12	U	47	12	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
1,1-Dichloroethene	21	U	47	21	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
1,2-Dichloropropane	9.5	U	47	9.5	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
cis-1,3-Dichloropropene	9.2	U	47	9.2	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
trans-1,3-Dichloropropene	23	U	47	23	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Ethylbenzene	6.3	U	47	6.3	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
2-Hexanone	23	U	2300	23	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Methylene Chloride	90	U	230	90	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
4-Methyl-2-pentanone (MIBK)	56	U	2300	56	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Styrene	6.5	U	47	6.5	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
1,1,2,2-Tetrachloroethane	10	U	47	10	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Tetrachloroethene	14	U	47	14	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Toluene	20	U	93	20	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Trichloroethene	11	U	47	11	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Vinyl chloride	21	U	37	21	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Xylenes, Total	9.4	U	140	9.4	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
1,1,1-Trichloroethane	24	U	47	24	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
1,1,2-Trichloroethane	14	U	47	14	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Cyclohexane	47	U	1100	47	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
1,2-Dibromo-3-Chloropropane	58	U	230	58	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
1,2-Dibromoethane	12	U	230	12	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Dichlorodifluoromethane	19	U	93	19	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
cis-1,2-Dichloroethene	8.0	U	47	8.0	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
trans-1,2-Dichloroethene	11	U	47	11	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Isopropylbenzene	7.6	U	230	7.6	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Methyl acetate	29	U	1100	29	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Methyl tert-butyl ether	8.3	U	230	8.3	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	45	U	230	45	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
1,2,4-Trichlorobenzene	8.5	U	230	8.5	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
1,2-Dichlorobenzene	10	U	93	10	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
1,3-Dichlorobenzene	5.6	U	93	5.6	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
1,4-Dichlorobenzene	9.3	U	93	9.3	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Trichlorofluoromethane	19	U	93	19	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Dibromochloromethane	14	U	47	14	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1
Methylcyclohexane	14	U	1100	14	ug/Kg	☼	02/27/13 12:14	02/28/13 15:57	1

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: SB-5-13-4.5-5'
Date Collected: 02/24/13 10:45
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-4
Matrix: Solid
Percent Solids: 85.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	73		39 - 128	02/27/13 12:14	02/28/13 15:57	1
4-Bromofluorobenzene (Surr)	67		26 - 141	02/27/13 12:14	02/28/13 15:57	1
Toluene-d8 (Surr)	73		33 - 134	02/27/13 12:14	02/28/13 15:57	1
Dibromofluoromethane (Surr)	74		30 - 122	02/27/13 12:14	02/28/13 15:57	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	**61**	**J**	760	9.5	ug/Kg	☼	02/28/13 09:45	03/05/13 21:59	2.5
Benzo[a]pyrene	**89**	**J**	760	9.5	ug/Kg	☼	02/28/13 09:45	03/05/13 21:59	2.5
Benzo[b]fluoranthene	**120**	**J**	760	9.5	ug/Kg	☼	02/28/13 09:45	03/05/13 21:59	2.5
Benzo[g,h,i]perylene	**58**	**J**	760	9.5	ug/Kg	☼	02/28/13 09:45	03/05/13 21:59	2.5
Benzo[k]fluoranthene	**69**	**J**	760	9.5	ug/Kg	☼	02/28/13 09:45	03/05/13 21:59	2.5
Anthracene	**15**	**J**	760	9.5	ug/Kg	☼	02/28/13 09:45	03/05/13 21:59	2.5
Chrysene	**94**	**J**	760	3.2	ug/Kg	☼	02/28/13 09:45	03/05/13 21:59	2.5
Dibenz(a,h)anthracene	9.5	U	760	9.5	ug/Kg	☼	02/28/13 09:45	03/05/13 21:59	2.5
Fluoranthene	**95**	**J**	760	9.5	ug/Kg	☼	02/28/13 09:45	03/05/13 21:59	2.5
Fluorene	9.5	U	760	9.5	ug/Kg	☼	02/28/13 09:45	03/05/13 21:59	2.5
Indeno[1,2,3-cd]pyrene	9.5	U	760	9.5	ug/Kg	☼	02/28/13 09:45	03/05/13 21:59	2.5
Phenanthrene	**42**	**J**	760	9.5	ug/Kg	☼	02/28/13 09:45	03/05/13 21:59	2.5
Pyrene	**95**	**J**	760	9.5	ug/Kg	☼	02/28/13 09:45	03/05/13 21:59	2.5
Acenaphthene	9.5	U	760	9.5	ug/Kg	☼	02/28/13 09:45	03/05/13 21:59	2.5
Acenaphthylene	9.5	U	760	9.5	ug/Kg	☼	02/28/13 09:45	03/05/13 21:59	2.5
Naphthalene	9.5	U	760	9.5	ug/Kg	☼	02/28/13 09:45	03/05/13 21:59	2.5
2-Methylnaphthalene	**12**	**J**	760	9.5	ug/Kg	☼	02/28/13 09:45	03/05/13 21:59	2.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	78		24 - 110	02/28/13 09:45	03/05/13 21:59	2.5
2-Fluorophenol (Surr)	63		24 - 110	02/28/13 09:45	03/05/13 21:59	2.5
2,4,6-Tribromophenol (Surr)	60		10 - 110	02/28/13 09:45	03/05/13 21:59	2.5
Nitrobenzene-d5 (Surr)	67		20 - 110	02/28/13 09:45	03/05/13 21:59	2.5
Phenol-d5 (Surr)	67		26 - 110	02/28/13 09:45	03/05/13 21:59	2.5
Terphenyl-d14 (Surr)	97		36 - 110	02/28/13 09:45	03/05/13 21:59	2.5

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: TW-2-13-6'
Date Collected: 02/24/13 12:30
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-5
Matrix: Solid
Percent Solids: 94.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	180	U	630	180	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Benzene	13	U	42	13	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Bromodichloromethane	10	U	85	10	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Bromoform	20	U	85	20	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Bromomethane	31	U	210	31	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
2-Butanone (MEK)	45	U	630	45	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Carbon disulfide	13	U	210	13	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Carbon tetrachloride	6.8	U	42	6.8	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Chlorobenzene	6.8	U	42	6.8	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Chloroethane	65	U	210	65	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Chloroform	9.3	U	42	9.3	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Chloromethane	15	U	210	15	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
1,1-Dichloroethane	18	U	42	18	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
1,2-Dichloroethane	11	U	42	11	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
1,1-Dichloroethene	19	U	42	19	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
1,2-Dichloropropane	8.7	U	42	8.7	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
cis-1,3-Dichloropropene	8.4	U	42	8.4	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
trans-1,3-Dichloropropene	21	U	42	21	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Ethylbenzene	5.7	U	42	5.7	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
2-Hexanone	21	U	2100	21	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Methylene Chloride	81	U	210	81	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
4-Methyl-2-pentanone (MIBK)	51	U	2100	51	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Styrene	5.9	U	42	5.9	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
1,1,2,2-Tetrachloroethane	9.4	U	42	9.4	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Tetrachloroethene	**68**		42	13	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Toluene	18	U	85	18	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Trichloroethene	**190**		42	10	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Vinyl chloride	19	U	34	19	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Xylenes, Total	8.6	U	130	8.6	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
1,1,1-Trichloroethane	22	U	42	22	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
1,1,2-Trichloroethane	13	U	42	13	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Cyclohexane	42	U	1000	42	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
1,2-Dibromo-3-Chloropropane	53	U	210	53	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
1,2-Dibromoethane	11	U	210	11	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Dichlorodifluoromethane	17	U	85	17	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
cis-1,2-Dichloroethene	7.3	U	42	7.3	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
trans-1,2-Dichloroethene	9.7	U	42	9.7	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Isopropylbenzene	6.9	U	210	6.9	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Methyl acetate	26	U	1000	26	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Methyl tert-butyl ether	7.5	U	210	7.5	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	41	U	210	41	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
1,2,4-Trichlorobenzene	7.7	U	210	7.7	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
1,2-Dichlorobenzene	9.1	U	85	9.1	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
1,3-Dichlorobenzene	5.1	U	85	5.1	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
1,4-Dichlorobenzene	8.5	U	85	8.5	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Trichlorofluoromethane	17	U	85	17	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Dibromochloromethane	13	U	42	13	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1
Methylcyclohexane	13	U	1000	13	ug/Kg	☼	02/27/13 12:14	02/28/13 16:24	1

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: TW-2-13-6'
Date Collected: 02/24/13 12:30
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-5
Matrix: Solid
Percent Solids: 94.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	76		39 - 128	02/27/13 12:14	02/28/13 16:24	1
4-Bromofluorobenzene (Surr)	67		26 - 141	02/27/13 12:14	02/28/13 16:24	1
Toluene-d8 (Surr)	77		33 - 134	02/27/13 12:14	02/28/13 16:24	1
Dibromofluoromethane (Surr)	77		30 - 122	02/27/13 12:14	02/28/13 16:24	1

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: TW-1-13
Date Collected: 02/24/13 13:05
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.5	U	50	5.5	ug/L			03/04/13 16:28	5
Benzene	0.65	U	5.0	0.65	ug/L			03/04/13 16:28	5
Bromodichloromethane	0.75	U	5.0	0.75	ug/L			03/04/13 16:28	5
Bromoform	3.2	U	5.0	3.2	ug/L			03/04/13 16:28	5
Bromomethane	2.1	U	5.0	2.1	ug/L			03/04/13 16:28	5
2-Butanone (MEK)	2.9	U	50	2.9	ug/L			03/04/13 16:28	5
Carbon disulfide	0.65	U	25	0.65	ug/L			03/04/13 16:28	5
Carbon tetrachloride	**0.98**	**J**	5.0	0.65	ug/L			03/04/13 16:28	5
Chlorobenzene	0.75	U	5.0	0.75	ug/L			03/04/13 16:28	5
Chloroethane	1.5	U	5.0	1.5	ug/L			03/04/13 16:28	5
Chloroform	**3.1**	**J**	5.0	0.80	ug/L			03/04/13 16:28	5
Chloromethane	1.5	U	5.0	1.5	ug/L			03/04/13 16:28	5
1,1-Dichloroethane	0.75	U	5.0	0.75	ug/L			03/04/13 16:28	5
1,2-Dichloroethane	1.1	U	5.0	1.1	ug/L			03/04/13 16:28	5
1,1-Dichloroethene	0.95	U	5.0	0.95	ug/L			03/04/13 16:28	5
1,2-Dichloropropane	0.90	U	5.0	0.90	ug/L			03/04/13 16:28	5
cis-1,3-Dichloropropene	0.70	U	5.0	0.70	ug/L			03/04/13 16:28	5
trans-1,3-Dichloropropene	0.95	U	5.0	0.95	ug/L			03/04/13 16:28	5
Ethylbenzene	0.85	U	5.0	0.85	ug/L			03/04/13 16:28	5
2-Hexanone	2.1	U	50	2.1	ug/L			03/04/13 16:28	5
Methylene Chloride	1.7	U	25	1.7	ug/L			03/04/13 16:28	5
4-Methyl-2-pentanone (MIBK)	1.6	U	50	1.6	ug/L			03/04/13 16:28	5
Styrene	0.55	U	5.0	0.55	ug/L			03/04/13 16:28	5
1,1,2,2-Tetrachloroethane	0.90	U	5.0	0.90	ug/L			03/04/13 16:28	5
Tetrachloroethene	1.5	U	5.0	1.5	ug/L			03/04/13 16:28	5
Toluene	0.65	U	5.0	0.65	ug/L			03/04/13 16:28	5
Trichloroethene	**120**		5.0	0.85	ug/L			03/04/13 16:28	5
Vinyl chloride	1.1	U	5.0	1.1	ug/L			03/04/13 16:28	5
Xylenes, Total	1.4	U	10	1.4	ug/L			03/04/13 16:28	5
1,1,1-Trichloroethane	**15**		5.0	1.1	ug/L			03/04/13 16:28	5
1,1,2-Trichloroethane	1.4	U	5.0	1.4	ug/L			03/04/13 16:28	5
Cyclohexane	0.60	U	5.0	0.60	ug/L			03/04/13 16:28	5
1,2-Dibromo-3-Chloropropane	3.4	U	5.0	3.4	ug/L			03/04/13 16:28	5
1,2-Dibromoethane	1.2	U	5.0	1.2	ug/L			03/04/13 16:28	5
Dichlorodifluoromethane	1.6	U	5.0	1.6	ug/L			03/04/13 16:28	5
cis-1,2-Dichloroethene	0.85	U	5.0	0.85	ug/L			03/04/13 16:28	5
trans-1,2-Dichloroethene	0.95	U	5.0	0.95	ug/L			03/04/13 16:28	5
Isopropylbenzene	0.65	U	5.0	0.65	ug/L			03/04/13 16:28	5
Methyl acetate	1.9	U	50	1.9	ug/L			03/04/13 16:28	5
Methyl tert-butyl ether	0.85	U	25	0.85	ug/L			03/04/13 16:28	5
1,1,2-Trichloro-1,2,2-trifluoroethane	1.4	U	5.0	1.4	ug/L			03/04/13 16:28	5
1,2,4-Trichlorobenzene	0.75	U	5.0	0.75	ug/L			03/04/13 16:28	5
1,2-Dichlorobenzene	0.65	U	5.0	0.65	ug/L			03/04/13 16:28	5
1,3-Dichlorobenzene	0.70	U	5.0	0.70	ug/L			03/04/13 16:28	5
1,4-Dichlorobenzene	0.65	U	5.0	0.65	ug/L			03/04/13 16:28	5
Trichlorofluoromethane	1.1	U	5.0	1.1	ug/L			03/04/13 16:28	5
Dibromochloromethane	0.90	U	5.0	0.90	ug/L			03/04/13 16:28	5
Methylcyclohexane	0.65	U	5.0	0.65	ug/L			03/04/13 16:28	5

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: TW-1-13
Date Collected: 02/24/13 13:05
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-6
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		63 - 129		03/04/13 16:28	5
4-Bromofluorobenzene (Surr)	76		66 - 117		03/04/13 16:28	5
Toluene-d8 (Surr)	89		74 - 115		03/04/13 16:28	5
Dibromofluoromethane (Surr)	93		75 - 121		03/04/13 16:28	5

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: TW-2-13
Date Collected: 02/24/13 15:35
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.5	U	50	5.5	ug/L			03/04/13 16:50	5
Benzene	0.65	U	5.0	0.65	ug/L			03/04/13 16:50	5
Bromodichloromethane	0.75	U	5.0	0.75	ug/L			03/04/13 16:50	5
Bromoform	3.2	U	5.0	3.2	ug/L			03/04/13 16:50	5
Bromomethane	2.1	U	5.0	2.1	ug/L			03/04/13 16:50	5
2-Butanone (MEK)	2.9	U	50	2.9	ug/L			03/04/13 16:50	5
Carbon disulfide	0.65	U	25	0.65	ug/L			03/04/13 16:50	5
Carbon tetrachloride	**0.83**	**J**	5.0	0.65	ug/L			03/04/13 16:50	5
Chlorobenzene	0.75	U	5.0	0.75	ug/L			03/04/13 16:50	5
Chloroethane	1.5	U	5.0	1.5	ug/L			03/04/13 16:50	5
Chloroform	**2.3**	**J**	5.0	0.80	ug/L			03/04/13 16:50	5
Chloromethane	1.5	U	5.0	1.5	ug/L			03/04/13 16:50	5
1,1-Dichloroethane	0.75	U	5.0	0.75	ug/L			03/04/13 16:50	5
1,2-Dichloroethane	1.1	U	5.0	1.1	ug/L			03/04/13 16:50	5
1,1-Dichloroethene	0.95	U	5.0	0.95	ug/L			03/04/13 16:50	5
1,2-Dichloropropane	0.90	U	5.0	0.90	ug/L			03/04/13 16:50	5
cis-1,3-Dichloropropene	0.70	U	5.0	0.70	ug/L			03/04/13 16:50	5
trans-1,3-Dichloropropene	0.95	U	5.0	0.95	ug/L			03/04/13 16:50	5
Ethylbenzene	0.85	U	5.0	0.85	ug/L			03/04/13 16:50	5
2-Hexanone	2.1	U	50	2.1	ug/L			03/04/13 16:50	5
Methylene Chloride	1.7	U	25	1.7	ug/L			03/04/13 16:50	5
4-Methyl-2-pentanone (MIBK)	1.6	U	50	1.6	ug/L			03/04/13 16:50	5
Styrene	0.55	U	5.0	0.55	ug/L			03/04/13 16:50	5
1,1,2,2-Tetrachloroethane	0.90	U	5.0	0.90	ug/L			03/04/13 16:50	5
Tetrachloroethene	1.5	U	5.0	1.5	ug/L			03/04/13 16:50	5
Toluene	0.65	U	5.0	0.65	ug/L			03/04/13 16:50	5
Trichloroethene	**130**		5.0	0.85	ug/L			03/04/13 16:50	5
Vinyl chloride	1.1	U	5.0	1.1	ug/L			03/04/13 16:50	5
Xylenes, Total	1.4	U	10	1.4	ug/L			03/04/13 16:50	5
1,1,1-Trichloroethane	**15**		5.0	1.1	ug/L			03/04/13 16:50	5
1,1,2-Trichloroethane	1.4	U	5.0	1.4	ug/L			03/04/13 16:50	5
Cyclohexane	0.60	U	5.0	0.60	ug/L			03/04/13 16:50	5
1,2-Dibromo-3-Chloropropane	3.4	U	5.0	3.4	ug/L			03/04/13 16:50	5
1,2-Dibromoethane	1.2	U	5.0	1.2	ug/L			03/04/13 16:50	5
Dichlorodifluoromethane	1.6	U	5.0	1.6	ug/L			03/04/13 16:50	5
cis-1,2-Dichloroethene	0.85	U	5.0	0.85	ug/L			03/04/13 16:50	5
trans-1,2-Dichloroethene	0.95	U	5.0	0.95	ug/L			03/04/13 16:50	5
Isopropylbenzene	0.65	U	5.0	0.65	ug/L			03/04/13 16:50	5
Methyl acetate	1.9	U	50	1.9	ug/L			03/04/13 16:50	5
Methyl tert-butyl ether	0.85	U	25	0.85	ug/L			03/04/13 16:50	5
1,1,2-Trichloro-1,2,2-trifluoroethane	1.4	U	5.0	1.4	ug/L			03/04/13 16:50	5
1,2,4-Trichlorobenzene	0.75	U	5.0	0.75	ug/L			03/04/13 16:50	5
1,2-Dichlorobenzene	0.65	U	5.0	0.65	ug/L			03/04/13 16:50	5
1,3-Dichlorobenzene	0.70	U	5.0	0.70	ug/L			03/04/13 16:50	5
1,4-Dichlorobenzene	0.65	U	5.0	0.65	ug/L			03/04/13 16:50	5
Trichlorofluoromethane	1.1	U	5.0	1.1	ug/L			03/04/13 16:50	5
Dibromochloromethane	0.90	U	5.0	0.90	ug/L			03/04/13 16:50	5
Methylcyclohexane	0.65	U	5.0	0.65	ug/L			03/04/13 16:50	5

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: TW-2-13
Date Collected: 02/24/13 15:35
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-7
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	81		63 - 129		03/04/13 16:50	5
4-Bromofluorobenzene (Surr)	74		66 - 117		03/04/13 16:50	5
Toluene-d8 (Surr)	89		74 - 115		03/04/13 16:50	5
Dibromofluoromethane (Surr)	90		75 - 121		03/04/13 16:50	5

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: MW-6R-13(10')
Date Collected: 02/24/13 09:40
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-8
Matrix: Solid
Percent Solids: 86.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	6600	U	23000	6600	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Benzene	460	U	1500	460	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Bromodichloromethane	380	U	3100	380	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Bromoform	740	U	3100	740	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Bromomethane	1100	U	7700	1100	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
2-Butanone (MEK)	1700	U	23000	1700	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Carbon disulfide	460	U	7700	460	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Carbon tetrachloride	250	U	1500	250	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Chlorobenzene	250	U	1500	250	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Chloroethane	2400	U	7700	2400	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Chloroform	340	U	1500	340	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Chloromethane	540	U	7700	540	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
1,1-Dichloroethane	660	U	1500	660	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
1,2-Dichloroethane	390	U	1500	390	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
1,1-Dichloroethene	700	U	1500	700	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
1,2-Dichloropropane	320	U	1500	320	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
cis-1,3-Dichloropropene	310	U	1500	310	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
trans-1,3-Dichloropropene	770	U	1500	770	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Ethylbenzene	**2200**		1500	210	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
2-Hexanone	770	U	77000	770	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Methylene Chloride	3000	U	7700	3000	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
4-Methyl-2-pentanone (MIBK)	1900	U	77000	1900	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Styrene	220	U	1500	220	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
1,1,2,2-Tetrachloroethane	340	U	1500	340	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Tetrachloroethene	460	U	1500	460	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Toluene	660	U	3100	660	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Trichloroethene	380	U	1500	380	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Vinyl chloride	700	U	1200	700	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Xylenes, Total	**8800**		4600	310	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
1,1,1-Trichloroethane	810	U	1500	810	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
1,1,2-Trichloroethane	460	U	1500	460	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Cyclohexane	**7200**	**J**	37000	1500	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
1,2-Dibromo-3-Chloropropane	1900	U	7700	1900	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
1,2-Dibromoethane	390	U	7700	390	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Dichlorodifluoromethane	620	U	3100	620	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
cis-1,2-Dichloroethene	270	U	1500	270	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
trans-1,2-Dichloroethene	360	U	1500	360	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Isopropylbenzene	**1800**	**J**	7700	250	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Methyl acetate	970	U	37000	970	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Methyl tert-butyl ether	270	U	7700	270	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
1,1,2-Trichloro-1,2,2-trifluoroethane	1500	U	7700	1500	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
1,2,4-Trichlorobenzene	280	U	7700	280	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
1,2-Dichlorobenzene	330	U	3100	330	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
1,3-Dichlorobenzene	190	U	3100	190	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
1,4-Dichlorobenzene	310	U	3100	310	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Trichlorofluoromethane	620	U	3100	620	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Dibromochloromethane	460	U	1500	460	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333
Methylcyclohexane	**44000**	**B**	37000	460	ug/Kg	☼	02/27/13 12:14	03/01/13 13:23	33.333

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: MW-6R-13(10')
Date Collected: 02/24/13 09:40
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-8
Matrix: Solid
Percent Solids: 86.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	1	X	39 - 128	02/27/13 12:14	03/01/13 13:23	33.333
4-Bromofluorobenzene (Surr)	4	X	26 - 141	02/27/13 12:14	03/01/13 13:23	33.333
Toluene-d8 (Surr)	2	X	33 - 134	02/27/13 12:14	03/01/13 13:23	33.333
Dibromofluoromethane (Surr)	0	X	30 - 122	02/27/13 12:14	03/01/13 13:23	33.333

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	22	J	300	3.8	ug/Kg	☼	02/28/13 09:45	03/04/13 19:00	1
Benzo[a]pyrene	20	J	300	3.8	ug/Kg	☼	02/28/13 09:45	03/04/13 19:00	1
Benzo[b]fluoranthene	20	J	300	3.8	ug/Kg	☼	02/28/13 09:45	03/04/13 19:00	1
Benzo[g,h,i]perylene	11	J	300	3.8	ug/Kg	☼	02/28/13 09:45	03/04/13 19:00	1
Benzo[k]fluoranthene	7.7	J	300	3.8	ug/Kg	☼	02/28/13 09:45	03/04/13 19:00	1
Anthracene	14	J	300	3.8	ug/Kg	☼	02/28/13 09:45	03/04/13 19:00	1
Chrysene	18	J	300	1.3	ug/Kg	☼	02/28/13 09:45	03/04/13 19:00	1
Dibenz(a,h)anthracene	3.8	U	300	3.8	ug/Kg	☼	02/28/13 09:45	03/04/13 19:00	1
Fluoranthene	48	J	300	3.8	ug/Kg	☼	02/28/13 09:45	03/04/13 19:00	1
Fluorene	18	J	300	3.8	ug/Kg	☼	02/28/13 09:45	03/04/13 19:00	1
Indeno[1,2,3-cd]pyrene	6.3	J	300	3.8	ug/Kg	☼	02/28/13 09:45	03/04/13 19:00	1
Phenanthrene	51	J	300	3.8	ug/Kg	☼	02/28/13 09:45	03/04/13 19:00	1
Pyrene	44	J	300	3.8	ug/Kg	☼	02/28/13 09:45	03/04/13 19:00	1
Acenaphthene	27	J	300	3.8	ug/Kg	☼	02/28/13 09:45	03/04/13 19:00	1
Acenaphthylene	3.8	U	300	3.8	ug/Kg	☼	02/28/13 09:45	03/04/13 19:00	1
Naphthalene	1600		300	3.8	ug/Kg	☼	02/28/13 09:45	03/04/13 19:00	1
2-Methylnaphthalene	3500	E	300	3.8	ug/Kg	☼	02/28/13 09:45	03/04/13 19:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	64		24 - 110	02/28/13 09:45	03/04/13 19:00	1
2-Fluorophenol (Surr)	66		24 - 110	02/28/13 09:45	03/04/13 19:00	1
2,4,6-Tribromophenol (Surr)	57		10 - 110	02/28/13 09:45	03/04/13 19:00	1
Nitrobenzene-d5 (Surr)	121	X	20 - 110	02/28/13 09:45	03/04/13 19:00	1
Phenol-d5 (Surr)	64		26 - 110	02/28/13 09:45	03/04/13 19:00	1
Terphenyl-d14 (Surr)	91		36 - 110	02/28/13 09:45	03/04/13 19:00	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	27	J	1200	15	ug/Kg	☼	02/28/13 09:45	03/05/13 21:12	4
Benzo[a]pyrene	16	J	1200	15	ug/Kg	☼	02/28/13 09:45	03/05/13 21:12	4
Benzo[b]fluoranthene	16	J	1200	15	ug/Kg	☼	02/28/13 09:45	03/05/13 21:12	4
Benzo[g,h,i]perylene	15	U	1200	15	ug/Kg	☼	02/28/13 09:45	03/05/13 21:12	4
Benzo[k]fluoranthene	15	U	1200	15	ug/Kg	☼	02/28/13 09:45	03/05/13 21:12	4
Anthracene	16	J	1200	15	ug/Kg	☼	02/28/13 09:45	03/05/13 21:12	4
Chrysene	21	J	1200	5.0	ug/Kg	☼	02/28/13 09:45	03/05/13 21:12	4
Dibenz(a,h)anthracene	15	U	1200	15	ug/Kg	☼	02/28/13 09:45	03/05/13 21:12	4
Fluoranthene	48	J	1200	15	ug/Kg	☼	02/28/13 09:45	03/05/13 21:12	4
Fluorene	22	J	1200	15	ug/Kg	☼	02/28/13 09:45	03/05/13 21:12	4
Indeno[1,2,3-cd]pyrene	15	U	1200	15	ug/Kg	☼	02/28/13 09:45	03/05/13 21:12	4
Phenanthrene	48	J	1200	15	ug/Kg	☼	02/28/13 09:45	03/05/13 21:12	4
Pyrene	41	J	1200	15	ug/Kg	☼	02/28/13 09:45	03/05/13 21:12	4
Acenaphthene	32	J	1200	15	ug/Kg	☼	02/28/13 09:45	03/05/13 21:12	4
Acenaphthylene	15	U	1200	15	ug/Kg	☼	02/28/13 09:45	03/05/13 21:12	4
Naphthalene	1700		1200	15	ug/Kg	☼	02/28/13 09:45	03/05/13 21:12	4

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: MW-6R-13(10')
Date Collected: 02/24/13 09:40
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-8
Matrix: Solid
Percent Solids: 86.3

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	3600		1200	15	ug/Kg	☼	02/28/13 09:45	03/05/13 21:12	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*65*		*24 - 110*	*02/28/13 09:45*	*03/05/13 21:12*	*4*
2-Fluorophenol (Surr)	*58*		*24 - 110*	*02/28/13 09:45*	*03/05/13 21:12*	*4*
2,4,6-Tribromophenol (Surr)	*59*		*10 - 110*	*02/28/13 09:45*	*03/05/13 21:12*	*4*
Nitrobenzene-d5 (Surr)	*131*	*X*	*20 - 110*	*02/28/13 09:45*	*03/05/13 21:12*	*4*
Phenol-d5 (Surr)	*58*		*26 - 110*	*02/28/13 09:45*	*03/05/13 21:12*	*4*
Terphenyl-d14 (Surr)	*83*		*36 - 110*	*02/28/13 09:45*	*03/05/13 21:12*	*4*

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: MW-6R-13(11')
Date Collected: 02/24/13 11:30
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-9
Matrix: Solid
Percent Solids: 83.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1300	U	4600	1300	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Benzene	**280**	**J**	300	91	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Bromodichloromethane	75	U	610	75	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Bromoform	140	U	610	140	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Bromomethane	220	U	1500	220	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
2-Butanone (MEK)	330	U	4600	330	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Carbon disulfide	91	U	1500	91	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Carbon tetrachloride	49	U	300	49	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Chlorobenzene	49	U	300	49	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Chloroethane	460	U	1500	460	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Chloroform	67	U	300	67	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Chloromethane	110	U	1500	110	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
1,1-Dichloroethane	130	U	300	130	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
1,2-Dichloroethane	76	U	300	76	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
1,1-Dichloroethene	140	U	300	140	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
1,2-Dichloropropane	62	U	300	62	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
cis-1,3-Dichloropropene	60	U	300	60	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
trans-1,3-Dichloropropene	150	U	300	150	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Ethylbenzene	**4600**		300	41	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
2-Hexanone	150	U	15000	150	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Methylene Chloride	580	U	1500	580	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
4-Methyl-2-pentanone (MIBK)	360	U	15000	360	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Styrene	42	U	300	42	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
1,1,2,2-Tetrachloroethane	68	U	300	68	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Tetrachloroethene	91	U	300	91	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Toluene	**580**	**J**	610	130	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Trichloroethene	74	U	300	74	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Vinyl chloride	140	U	240	140	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Xylenes, Total	**43000**		910	61	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
1,1,1-Trichloroethane	160	U	300	160	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
1,1,2-Trichloroethane	91	U	300	91	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Cyclohexane	**1700**	**J**	7300	300	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
1,2-Dibromo-3-Chloropropane	380	U	1500	380	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
1,2-Dibromoethane	76	U	1500	76	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Dichlorodifluoromethane	120	U	610	120	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
cis-1,2-Dichloroethene	52	U	300	52	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
trans-1,2-Dichloroethene	70	U	300	70	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Isopropylbenzene	**1500**		1500	49	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Methyl acetate	**410**	**J**	7300	190	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Methyl tert-butyl ether	54	U	1500	54	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
1,1,2-Trichloro-1,2,2-trifluoroethane	300	U	1500	300	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
1,2,4-Trichlorobenzene	55	U	1500	55	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
1,2-Dichlorobenzene	65	U	610	65	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
1,3-Dichlorobenzene	36	U	610	36	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
1,4-Dichlorobenzene	61	U	610	61	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Trichlorofluoromethane	120	U	610	120	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Dibromochloromethane	91	U	300	91	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667
Methylcyclohexane	**16000**	**B**	7300	91	ug/Kg	☼	02/27/13 12:14	02/28/13 17:43	6.667

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: MW-6R-13(11')
Date Collected: 02/24/13 11:30
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-9
Matrix: Solid
Percent Solids: 83.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		39 - 128	02/27/13 12:14	02/28/13 17:43	6.667
4-Bromofluorobenzene (Surr)	98		26 - 141	02/27/13 12:14	02/28/13 17:43	6.667
Toluene-d8 (Surr)	96		33 - 134	02/27/13 12:14	02/28/13 17:43	6.667
Dibromofluoromethane (Surr)	73		30 - 122	02/27/13 12:14	02/28/13 17:43	6.667

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: MW-13-13(8')
Date Collected: 02/24/13 15:00
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-10
Matrix: Solid
Percent Solids: 48.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	320	U	1100	320	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Benzene	23	U	76	23	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Bromodichloromethane	19	U	150	19	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Bromoform	36	U	150	36	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Bromomethane	55	U	380	55	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
2-Butanone (MEK)	82	U	1100	82	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Carbon disulfide	23	U	380	23	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Carbon tetrachloride	12	U	76	12	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Chlorobenzene	12	U	76	12	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Chloroethane	120	U	380	120	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Chloroform	17	U	76	17	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Chloromethane	27	U	380	27	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
1,1-Dichloroethane	32	U	76	32	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
1,2-Dichloroethane	19	U	76	19	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
1,1-Dichloroethene	34	U	76	34	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
1,2-Dichloropropane	16	U	76	16	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
cis-1,3-Dichloropropene	15	U	76	15	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
trans-1,3-Dichloropropene	38	U	76	38	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Ethylbenzene	10	U	76	10	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
2-Hexanone	38	U	3800	38	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Methylene Chloride	150	U	380	150	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
4-Methyl-2-pentanone (MIBK)	91	U	3800	91	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Styrene	11	U	76	11	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
1,1,2,2-Tetrachloroethane	17	U	76	17	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Tetrachloroethene	23	U	76	23	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Toluene	32	U	150	32	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Trichloroethene	**40**	**J**	76	18	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Vinyl chloride	34	U	61	34	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Xylenes, Total	15	U	230	15	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
1,1,1-Trichloroethane	40	U	76	40	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
1,1,2-Trichloroethane	23	U	76	23	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Cyclohexane	76	U	1800	76	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
1,2-Dibromo-3-Chloropropane	95	U	380	95	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
1,2-Dibromoethane	19	U	380	19	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Dichlorodifluoromethane	30	U	150	30	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
cis-1,2-Dichloroethene	13	U	76	13	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
trans-1,2-Dichloroethene	18	U	76	18	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Isopropylbenzene	12	U	380	12	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Methyl acetate	48	U	1800	48	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Methyl tert-butyl ether	14	U	380	14	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	74	U	380	74	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
1,2,4-Trichlorobenzene	14	U	380	14	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
1,2-Dichlorobenzene	16	U	150	16	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
1,3-Dichlorobenzene	9.1	U	150	9.1	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
1,4-Dichlorobenzene	15	U	150	15	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Trichlorofluoromethane	30	U	150	30	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Dibromochloromethane	23	U	76	23	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1
Methylcyclohexane	23	U	1800	23	ug/Kg	☼	02/27/13 12:14	03/01/13 11:45	1

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: MW-13-13(8')
Date Collected: 02/24/13 15:00
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-10
Matrix: Solid
Percent Solids: 48.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		39 - 128	02/27/13 12:14	03/01/13 11:45	1
4-Bromofluorobenzene (Surr)	88		26 - 141	02/27/13 12:14	03/01/13 11:45	1
Toluene-d8 (Surr)	90		33 - 134	02/27/13 12:14	03/01/13 11:45	1
Dibromofluoromethane (Surr)	76		30 - 122	02/27/13 12:14	03/01/13 11:45	1

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: TRIP BLANK
Date Collected: 02/24/13 00:00
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-11
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.9	J	10	1.1	ug/L			03/04/13 17:11	1
Benzene	0.13	U	1.0	0.13	ug/L			03/04/13 17:11	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			03/04/13 17:11	1
Bromoform	0.64	U	1.0	0.64	ug/L			03/04/13 17:11	1
Bromomethane	0.41	U	1.0	0.41	ug/L			03/04/13 17:11	1
2-Butanone (MEK)	0.57	U	10	0.57	ug/L			03/04/13 17:11	1
Carbon disulfide	0.13	U	5.0	0.13	ug/L			03/04/13 17:11	1
Carbon tetrachloride	0.13	U	1.0	0.13	ug/L			03/04/13 17:11	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			03/04/13 17:11	1
Chloroethane	0.29	U	1.0	0.29	ug/L			03/04/13 17:11	1
Chloroform	0.16	U	1.0	0.16	ug/L			03/04/13 17:11	1
Chloromethane	0.30	U	1.0	0.30	ug/L			03/04/13 17:11	1
1,1-Dichloroethane	0.15	U	1.0	0.15	ug/L			03/04/13 17:11	1
1,2-Dichloroethane	0.22	U	1.0	0.22	ug/L			03/04/13 17:11	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			03/04/13 17:11	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			03/04/13 17:11	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			03/04/13 17:11	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			03/04/13 17:11	1
Ethylbenzene	0.17	U	1.0	0.17	ug/L			03/04/13 17:11	1
2-Hexanone	0.41	U	10	0.41	ug/L			03/04/13 17:11	1
Methylene Chloride	0.33	U	5.0	0.33	ug/L			03/04/13 17:11	1
4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32	ug/L			03/04/13 17:11	1
Styrene	0.11	U	1.0	0.11	ug/L			03/04/13 17:11	1
1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18	ug/L			03/04/13 17:11	1
Tetrachloroethene	0.29	U	1.0	0.29	ug/L			03/04/13 17:11	1
Toluene	0.13	U	1.0	0.13	ug/L			03/04/13 17:11	1
Trichloroethene	0.17	U	1.0	0.17	ug/L			03/04/13 17:11	1
Vinyl chloride	0.22	U	1.0	0.22	ug/L			03/04/13 17:11	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			03/04/13 17:11	1
1,1,1-Trichloroethane	0.22	U	1.0	0.22	ug/L			03/04/13 17:11	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			03/04/13 17:11	1
Cyclohexane	0.12	U	1.0	0.12	ug/L			03/04/13 17:11	1
1,2-Dibromo-3-Chloropropane	0.67	U	1.0	0.67	ug/L			03/04/13 17:11	1
1,2-Dibromoethane	0.24	U	1.0	0.24	ug/L			03/04/13 17:11	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			03/04/13 17:11	1
cis-1,2-Dichloroethene	0.17	U	1.0	0.17	ug/L			03/04/13 17:11	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			03/04/13 17:11	1
Isopropylbenzene	0.13	U	1.0	0.13	ug/L			03/04/13 17:11	1
Methyl acetate	0.38	U	10	0.38	ug/L			03/04/13 17:11	1
Methyl tert-butyl ether	0.17	U	5.0	0.17	ug/L			03/04/13 17:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.28	U	1.0	0.28	ug/L			03/04/13 17:11	1
1,2,4-Trichlorobenzene	0.15	U	1.0	0.15	ug/L			03/04/13 17:11	1
1,2-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			03/04/13 17:11	1
1,3-Dichlorobenzene	0.14	U	1.0	0.14	ug/L			03/04/13 17:11	1
1,4-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			03/04/13 17:11	1
Trichlorofluoromethane	0.21	U	1.0	0.21	ug/L			03/04/13 17:11	1
Dibromochloromethane	0.18	U	1.0	0.18	ug/L			03/04/13 17:11	1
Methylcyclohexane	0.13	U	1.0	0.13	ug/L			03/04/13 17:11	1

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: TRIP BLANK
Date Collected: 02/24/13 00:00
Date Received: 02/26/13 09:15

Lab Sample ID: 240-21427-11
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		63 - 129		03/04/13 17:11	1
4-Bromofluorobenzene (Surr)	79		66 - 117		03/04/13 17:11	1
Toluene-d8 (Surr)	87		74 - 115		03/04/13 17:11	1
Dibromofluoromethane (Surr)	91		75 - 121		03/04/13 17:11	1

Surrogate Summary

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(39-128)	(26-141)	(33-134)	(30-122)
240-21427-1	SB-1-13-2.5'	75	69	76	76
240-21427-2	SB-1-13-5'	73	67	77	76
240-21427-3	SB-3-13-5'	79	73	83	78
240-21427-4	SB-5-13-4.5-5'	73	67	73	74
240-21427-5	TW-2-13-6'	76	67	77	77
240-21427-8	MW-6R-13(10')	1 X	4 X	2 X	0 X
240-21427-9	MW-6R-13(11')	80	98	96	73
240-21427-10	MW-13-13(8')	82	88	90	76
LCS 240-76655/2-A	Lab Control Sample	82	71	80	84
MB 240-76655/1-A	Method Blank	76	68	79	78

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(63-129)	(66-117)	(74-115)	(75-121)
240-21427-6	TW-1-13	81	76	89	93
240-21427-7	TW-2-13	81	74	89	90
240-21427-11	TRIP BLANK	80	79	87	91
LCS 240-77112/4	Lab Control Sample	80	96	93	88
MB 240-77112/5	Method Blank	77	83	89	93

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	TBP	NBZ	PHL	TPH
Lab Sample ID	Client Sample ID	(24-110)	(24-110)	(10-110)	(20-110)	(26-110)	(36-110)
240-21427-1	SB-1-13-2.5'	69	50	42	63	53	87
240-21427-2	SB-1-13-5'	64	57	44	63	56	82
240-21427-3	SB-3-13-5'	67	45	30	66	44	92
240-21427-4	SB-5-13-4.5-5'	78	63	60	67	67	97
240-21427-8	MW-6R-13(10')	64	66	57	121 X	64	91
240-21427-8 - RA	MW-6R-13(10')	65	58	59	131 X	58	83
LCS 240-76773/18-A	Lab Control Sample	64	53	53	61	53	82
MB 240-76773/17-A	Method Blank	71	57	39	69	57	100

Surrogate Summary

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-76655/1-A
Matrix: Solid
Analysis Batch: 76797

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 76655

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	170	U	600	170	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Benzene	12	U	40	12	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Bromodichloromethane	9.9	U	80	9.9	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Bromoform	19	U	80	19	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Bromomethane	29	U	200	29	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
2-Butanone (MEK)	43	U	600	43	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Carbon disulfide	12	U	200	12	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Carbon tetrachloride	6.4	U	40	6.4	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Chlorobenzene	6.4	U	40	6.4	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Chloroethane	61	U	200	61	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Chloroform	8.8	U	40	8.8	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Chloromethane	14	U	200	14	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
1,1-Dichloroethane	17	U	40	17	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
1,2-Dichloroethane	10	U	40	10	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
1,1-Dichloroethene	18	U	40	18	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
1,2-Dichloropropane	8.2	U	40	8.2	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
cis-1,3-Dichloropropene	7.9	U	40	7.9	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
trans-1,3-Dichloropropene	20	U	40	20	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Ethylbenzene	5.4	U	40	5.4	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
2-Hexanone	20	U	2000	20	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Methylene Chloride	77	U	200	77	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
4-Methyl-2-pentanone (MIBK)	48	U	2000	48	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Styrene	5.6	U	40	5.6	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
1,1,2,2-Tetrachloroethane	8.9	U	40	8.9	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Tetrachloroethene	12	U	40	12	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Toluene	17	U	80	17	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Trichloroethene	9.7	U	40	9.7	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Vinyl chloride	18	U	32	18	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Xylenes, Total	8.1	U	120	8.1	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
1,1,1-Trichloroethane	21	U	40	21	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
1,1,2-Trichloroethane	12	U	40	12	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Cyclohexane	40	U	960	40	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
1,2-Dibromo-3-Chloropropane	50	U	200	50	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
1,2-Dibromoethane	10	U	200	10	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Dichlorodifluoromethane	16	U	80	16	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
cis-1,2-Dichloroethene	6.9	U	40	6.9	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
trans-1,2-Dichloroethene	9.2	U	40	9.2	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Isopropylbenzene	6.5	U	200	6.5	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Methyl acetate	25	U	960	25	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Methyl tert-butyl ether	7.1	U	200	7.1	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	39	U	200	39	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
1,2,4-Trichlorobenzene	24.4	J	200	7.3	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
1,2-Dichlorobenzene	8.6	U	80	8.6	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
1,3-Dichlorobenzene	4.8	U	80	4.8	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
1,4-Dichlorobenzene	8.0	U	80	8.0	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Trichlorofluoromethane	16	U	80	16	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Dibromochloromethane	12	U	40	12	ug/Kg		02/27/13 12:14	02/28/13 14:12	1
Methylcyclohexane	13.7	J	960	12	ug/Kg		02/27/13 12:14	02/28/13 14:12	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-76655/1-A
Matrix: Solid
Analysis Batch: 76797

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 76655

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	76		39 - 128	02/27/13 12:14	02/28/13 14:12	1
4-Bromofluorobenzene (Surr)	68		26 - 141	02/27/13 12:14	02/28/13 14:12	1
Toluene-d8 (Surr)	79		33 - 134	02/27/13 12:14	02/28/13 14:12	1
Dibromofluoromethane (Surr)	78		30 - 122	02/27/13 12:14	02/28/13 14:12	1

Lab Sample ID: LCS 240-76655/2-A
Matrix: Solid
Analysis Batch: 76797

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 76655

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	1000	906		ug/Kg		91	16 - 156
Benzene	500	438		ug/Kg		88	70 - 117
Bromodichloromethane	500	413		ug/Kg		83	28 - 123
Bromoform	500	274		ug/Kg		55	10 - 117
Bromomethane	500	558		ug/Kg		112	10 - 114
2-Butanone (MEK)	1000	1020		ug/Kg		102	10 - 199
Carbon disulfide	500	466		ug/Kg		93	10 - 132
Carbon tetrachloride	500	399		ug/Kg		80	29 - 118
Chlorobenzene	500	437		ug/Kg		87	71 - 116
Chloroethane	500	471		ug/Kg		94	10 - 120
Chloroform	500	410		ug/Kg		82	63 - 116
Chloromethane	500	298		ug/Kg		60	25 - 110
1,1-Dichloroethane	500	450		ug/Kg		90	63 - 117
1,2-Dichloroethane	500	468		ug/Kg		94	68 - 119
1,1-Dichloroethene	500	513		ug/Kg		103	44 - 143
1,2-Dichloropropane	500	434		ug/Kg		87	73 - 113
cis-1,3-Dichloropropene	500	336		ug/Kg		67	25 - 120
trans-1,3-Dichloropropene	500	319		ug/Kg		64	22 - 122
Ethylbenzene	500	452		ug/Kg		90	66 - 119
2-Hexanone	1000	798	J	ug/Kg		80	43 - 130
Methylene Chloride	500	502		ug/Kg		100	27 - 172
4-Methyl-2-pentanone (MIBK)	1000	742	J	ug/Kg		74	49 - 121
Styrene	500	429		ug/Kg		86	60 - 120
1,1,2,2-Tetrachloroethane	500	372		ug/Kg		74	54 - 121
Tetrachloroethene	500	526		ug/Kg		105	58 - 131
Toluene	500	444		ug/Kg		89	66 - 123
Trichloroethene	500	507		ug/Kg		101	59 - 124
Vinyl chloride	500	333		ug/Kg		67	33 - 110
Xylenes, Total	1500	1320		ug/Kg		88	68 - 119
1,1,1-Trichloroethane	500	456		ug/Kg		91	38 - 122
1,1,2-Trichloroethane	500	431		ug/Kg		86	74 - 114
Cyclohexane	500	459	J	ug/Kg		92	40 - 120
1,2-Dibromo-3-Chloropropane	500	285		ug/Kg		57	10 - 129
1,2-Dibromoethane	500	429		ug/Kg		86	47 - 123
Dichlorodifluoromethane	500	192		ug/Kg		38	10 - 110
cis-1,2-Dichloroethene	500	403		ug/Kg		81	60 - 125
trans-1,2-Dichloroethene	500	474		ug/Kg		95	58 - 121
Isopropylbenzene	500	469		ug/Kg		94	61 - 123

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-76655/2-A
Matrix: Solid
Analysis Batch: 76797

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 76655

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl acetate	500	446	J	ug/Kg		89	44 - 173
Methyl tert-butyl ether	500	572		ug/Kg		114	34 - 157
1,1,2-Trichloro-1,2,2-trifluoroethane	500	533		ug/Kg		107	48 - 151
1,2,4-Trichlorobenzene	500	558		ug/Kg		112	41 - 135
1,2-Dichlorobenzene	500	460		ug/Kg		92	68 - 118
1,3-Dichlorobenzene	500	446		ug/Kg		89	66 - 121
1,4-Dichlorobenzene	500	443		ug/Kg		89	65 - 119
Trichlorofluoromethane	500	530		ug/Kg		106	17 - 145
Dibromochloromethane	500	348		ug/Kg		70	22 - 113
Methylcyclohexane	500	457	J	ug/Kg		91	41 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*82*		*39 - 128*
4-Bromofluorobenzene (Surr)	*71*		*26 - 141*
Toluene-d8 (Surr)	*80*		*33 - 134*
Dibromofluoromethane (Surr)	*84*		*30 - 122*

Lab Sample ID: MB 240-77112/5
Matrix: Water
Analysis Batch: 77112

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.1	U	10	1.1	ug/L			03/04/13 14:19	1
Benzene	0.13	U	1.0	0.13	ug/L			03/04/13 14:19	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			03/04/13 14:19	1
Bromoform	0.64	U	1.0	0.64	ug/L			03/04/13 14:19	1
Bromomethane	0.41	U	1.0	0.41	ug/L			03/04/13 14:19	1
2-Butanone (MEK)	0.57	U	10	0.57	ug/L			03/04/13 14:19	1
Carbon disulfide	0.13	U	5.0	0.13	ug/L			03/04/13 14:19	1
Carbon tetrachloride	0.13	U	1.0	0.13	ug/L			03/04/13 14:19	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			03/04/13 14:19	1
Chloroethane	0.29	U	1.0	0.29	ug/L			03/04/13 14:19	1
Chloroform	0.16	U	1.0	0.16	ug/L			03/04/13 14:19	1
Chloromethane	0.30	U	1.0	0.30	ug/L			03/04/13 14:19	1
1,1-Dichloroethane	0.15	U	1.0	0.15	ug/L			03/04/13 14:19	1
1,2-Dichloroethane	0.22	U	1.0	0.22	ug/L			03/04/13 14:19	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			03/04/13 14:19	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			03/04/13 14:19	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			03/04/13 14:19	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			03/04/13 14:19	1
Ethylbenzene	0.17	U	1.0	0.17	ug/L			03/04/13 14:19	1
2-Hexanone	0.41	U	10	0.41	ug/L			03/04/13 14:19	1
Methylene Chloride	0.33	U	5.0	0.33	ug/L			03/04/13 14:19	1
4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32	ug/L			03/04/13 14:19	1
Styrene	0.11	U	1.0	0.11	ug/L			03/04/13 14:19	1
1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18	ug/L			03/04/13 14:19	1
Tetrachloroethene	0.29	U	1.0	0.29	ug/L			03/04/13 14:19	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-77112/5
Matrix: Water
Analysis Batch: 77112

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.13	U	1.0	0.13	ug/L			03/04/13 14:19	1
Trichloroethene	0.17	U	1.0	0.17	ug/L			03/04/13 14:19	1
Vinyl chloride	0.22	U	1.0	0.22	ug/L			03/04/13 14:19	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			03/04/13 14:19	1
1,1,1-Trichloroethane	0.22	U	1.0	0.22	ug/L			03/04/13 14:19	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			03/04/13 14:19	1
Cyclohexane	0.12	U	1.0	0.12	ug/L			03/04/13 14:19	1
1,2-Dibromo-3-Chloropropane	0.67	U	1.0	0.67	ug/L			03/04/13 14:19	1
1,2-Dibromoethane	0.24	U	1.0	0.24	ug/L			03/04/13 14:19	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			03/04/13 14:19	1
cis-1,2-Dichloroethene	0.17	U	1.0	0.17	ug/L			03/04/13 14:19	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			03/04/13 14:19	1
Isopropylbenzene	0.13	U	1.0	0.13	ug/L			03/04/13 14:19	1
Methyl acetate	0.38	U	10	0.38	ug/L			03/04/13 14:19	1
Methyl tert-butyl ether	0.17	U	5.0	0.17	ug/L			03/04/13 14:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.28	U	1.0	0.28	ug/L			03/04/13 14:19	1
1,2,4-Trichlorobenzene	0.402	J	1.0	0.15	ug/L			03/04/13 14:19	1
1,2-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			03/04/13 14:19	1
1,3-Dichlorobenzene	0.14	U	1.0	0.14	ug/L			03/04/13 14:19	1
1,4-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			03/04/13 14:19	1
Trichlorofluoromethane	0.21	U	1.0	0.21	ug/L			03/04/13 14:19	1
Dibromochloromethane	0.18	U	1.0	0.18	ug/L			03/04/13 14:19	1
Methylcyclohexane	0.13	U	1.0	0.13	ug/L			03/04/13 14:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*77*		*63 - 129*		*03/04/13 14:19*	*1*
4-Bromofluorobenzene (Surr)	*83*		*66 - 117*		*03/04/13 14:19*	*1*
Toluene-d8 (Surr)	*89*		*74 - 115*		*03/04/13 14:19*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 121*		*03/04/13 14:19*	*1*

Lab Sample ID: LCS 240-77112/4
Matrix: Water
Analysis Batch: 77112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	16.3		ug/L		82	43 - 136
Benzene	10.0	9.95		ug/L		100	83 - 112
Bromodichloromethane	10.0	9.34		ug/L		93	72 - 121
Bromoform	10.0	9.63		ug/L		96	40 - 131
Bromomethane	10.0	7.19		ug/L		72	11 - 185
2-Butanone (MEK)	20.0	16.3		ug/L		82	60 - 126
Carbon disulfide	10.0	9.81		ug/L		98	62 - 142
Carbon tetrachloride	10.0	9.28		ug/L		93	66 - 128
Chlorobenzene	10.0	10.1		ug/L		101	85 - 110
Chloroethane	10.0	7.34		ug/L		73	25 - 153
Chloroform	10.0	9.20		ug/L		92	79 - 117
Chloromethane	10.0	8.13		ug/L		81	44 - 126
1,1-Dichloroethane	10.0	9.53		ug/L		95	82 - 115

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-77112/4
Matrix: Water
Analysis Batch: 77112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	10.0	9.11		ug/L		91	71 - 127
1,1-Dichloroethene	10.0	11.4		ug/L		114	78 - 131
1,2-Dichloropropane	10.0	9.67		ug/L		97	81 - 115
cis-1,3-Dichloropropene	10.0	8.97		ug/L		90	61 - 115
trans-1,3-Dichloropropene	10.0	9.69		ug/L		97	58 - 117
Ethylbenzene	10.0	10.2		ug/L		102	83 - 112
2-Hexanone	20.0	17.3		ug/L		87	55 - 133
Methylene Chloride	10.0	9.52		ug/L		95	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	17.2		ug/L		86	63 - 128
Styrene	10.0	9.91		ug/L		99	79 - 114
1,1,2,2-Tetrachloroethane	10.0	10.1		ug/L		101	68 - 118
Tetrachloroethene	10.0	9.85		ug/L		99	79 - 114
Toluene	10.0	10.3		ug/L		103	84 - 111
Trichloroethene	10.0	9.86		ug/L		99	76 - 117
Vinyl chloride	10.0	8.27		ug/L		83	53 - 127
Xylenes, Total	30.0	31.7		ug/L		106	83 - 112
1,1,1-Trichloroethane	10.0	8.86		ug/L		89	74 - 118
1,1,2-Trichloroethane	10.0	10.4		ug/L		104	80 - 112
Cyclohexane	10.0	8.92		ug/L		89	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	9.30		ug/L		93	42 - 136
1,2-Dibromoethane	10.0	9.93		ug/L		99	79 - 113
Dichlorodifluoromethane	10.0	7.82		ug/L		78	19 - 129
cis-1,2-Dichloroethene	10.0	9.71		ug/L		97	80 - 113
trans-1,2-Dichloroethene	10.0	9.99		ug/L		100	83 - 117
Isopropylbenzene	10.0	10.2		ug/L		102	75 - 114
Methyl acetate	10.0	8.74	J	ug/L		87	58 - 131
Methyl tert-butyl ether	10.0	8.46		ug/L		85	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	13.3		ug/L		133	74 - 151
1,2,4-Trichlorobenzene	10.0	6.97		ug/L		70	48 - 135
1,2-Dichlorobenzene	10.0	10.3		ug/L		103	81 - 110
1,3-Dichlorobenzene	10.0	10.4		ug/L		104	80 - 110
1,4-Dichlorobenzene	10.0	10.2		ug/L		102	82 - 110
Trichlorofluoromethane	10.0	8.35		ug/L		83	49 - 157
Dibromochloromethane	10.0	10.2		ug/L		102	64 - 119
Methylcyclohexane	10.0	9.17		ug/L		92	56 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*80*		*63 - 129*
4-Bromofluorobenzene (Surr)	*96*		*66 - 117*
Toluene-d8 (Surr)	*93*		*74 - 115*
Dibromofluoromethane (Surr)	*88*		*75 - 121*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-76773/17-A
Matrix: Solid
Analysis Batch: 77119

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 76773

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	3.3	U	260	3.3	ug/Kg		02/28/13 09:45	03/04/13 14:41	1
Benzo[a]pyrene	3.3	U	260	3.3	ug/Kg		02/28/13 09:45	03/04/13 14:41	1
Benzo[b]fluoranthene	3.3	U	260	3.3	ug/Kg		02/28/13 09:45	03/04/13 14:41	1
Benzo[g,h,i]perylene	3.3	U	260	3.3	ug/Kg		02/28/13 09:45	03/04/13 14:41	1
Benzo[k]fluoranthene	3.3	U	260	3.3	ug/Kg		02/28/13 09:45	03/04/13 14:41	1
Anthracene	3.3	U	260	3.3	ug/Kg		02/28/13 09:45	03/04/13 14:41	1
Chrysene	1.1	U	260	1.1	ug/Kg		02/28/13 09:45	03/04/13 14:41	1
Dibenz(a,h)anthracene	3.3	U	260	3.3	ug/Kg		02/28/13 09:45	03/04/13 14:41	1
Fluoranthene	3.3	U	260	3.3	ug/Kg		02/28/13 09:45	03/04/13 14:41	1
Fluorene	3.3	U	260	3.3	ug/Kg		02/28/13 09:45	03/04/13 14:41	1
Indeno[1,2,3-cd]pyrene	3.3	U	260	3.3	ug/Kg		02/28/13 09:45	03/04/13 14:41	1
Phenanthrene	3.3	U	260	3.3	ug/Kg		02/28/13 09:45	03/04/13 14:41	1
Pyrene	3.3	U	260	3.3	ug/Kg		02/28/13 09:45	03/04/13 14:41	1
Acenaphthene	3.3	U	260	3.3	ug/Kg		02/28/13 09:45	03/04/13 14:41	1
Acenaphthylene	3.3	U	260	3.3	ug/Kg		02/28/13 09:45	03/04/13 14:41	1
Naphthalene	3.3	U	260	3.3	ug/Kg		02/28/13 09:45	03/04/13 14:41	1
2-Methylnaphthalene	3.3	U	260	3.3	ug/Kg		02/28/13 09:45	03/04/13 14:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*24 - 110*	*02/28/13 09:45*	*03/04/13 14:41*	*1*
2-Fluorophenol (Surr)	*57*		*24 - 110*	*02/28/13 09:45*	*03/04/13 14:41*	*1*
2,4,6-Tribromophenol (Surr)	*39*		*10 - 110*	*02/28/13 09:45*	*03/04/13 14:41*	*1*
Nitrobenzene-d5 (Surr)	*69*		*20 - 110*	*02/28/13 09:45*	*03/04/13 14:41*	*1*
Phenol-d5 (Surr)	*57*		*26 - 110*	*02/28/13 09:45*	*03/04/13 14:41*	*1*
Terphenyl-d14 (Surr)	*100*		*36 - 110*	*02/28/13 09:45*	*03/04/13 14:41*	*1*

Lab Sample ID: LCS 240-76773/18-A
Matrix: Solid
Analysis Batch: 77119

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 76773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	667	485		ug/Kg		73	50 - 110
Benzo[a]pyrene	667	534		ug/Kg		80	44 - 110
Benzo[b]fluoranthene	667	570		ug/Kg		85	43 - 110
Benzo[g,h,i]perylene	667	599		ug/Kg		90	51 - 110
Benzo[k]fluoranthene	667	626		ug/Kg		94	38 - 105
Anthracene	667	516		ug/Kg		77	48 - 110
Chrysene	667	555		ug/Kg		83	50 - 110
Dibenz(a,h)anthracene	667	554		ug/Kg		83	51 - 110
Fluoranthene	667	507		ug/Kg		76	51 - 110
Fluorene	667	485		ug/Kg		73	46 - 110
Indeno[1,2,3-cd]pyrene	667	550		ug/Kg		82	50 - 110
Phenanthrene	667	500		ug/Kg		75	49 - 110
Pyrene	667	515		ug/Kg		77	49 - 110
Acenaphthene	667	458		ug/Kg		69	38 - 110
Acenaphthylene	667	465		ug/Kg		70	40 - 110
Naphthalene	667	427		ug/Kg		64	36 - 110
2-Methylnaphthalene	667	449		ug/Kg		67	36 - 110

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-76773/18-A
Matrix: Solid
Analysis Batch: 77119

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 76773

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	64		24 - 110
2-Fluorophenol (Surr)	53		24 - 110
2,4,6-Tribromophenol (Surr)	53		10 - 110
Nitrobenzene-d5 (Surr)	61		20 - 110
Phenol-d5 (Surr)	53		26 - 110
Terphenyl-d14 (Surr)	82		36 - 110

GC/MS VOA

Prep Batch: 76655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21427-1	SB-1-13-2.5'	Total/NA	Solid	5035	
240-21427-2	SB-1-13-5'	Total/NA	Solid	5035	
240-21427-3	SB-3-13-5'	Total/NA	Solid	5035	
240-21427-4	SB-5-13-4.5-5'	Total/NA	Solid	5035	
240-21427-5	TW-2-13-6'	Total/NA	Solid	5035	
240-21427-8	MW-6R-13(10')	Total/NA	Solid	5035	
240-21427-9	MW-6R-13(11')	Total/NA	Solid	5035	
240-21427-10	MW-13-13(8')	Total/NA	Solid	5035	
LCS 240-76655/2-A	Lab Control Sample	Total/NA	Solid	5035	
MB 240-76655/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 76797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21427-1	SB-1-13-2.5'	Total/NA	Solid	8260B	76655
240-21427-2	SB-1-13-5'	Total/NA	Solid	8260B	76655
240-21427-3	SB-3-13-5'	Total/NA	Solid	8260B	76655
240-21427-4	SB-5-13-4.5-5'	Total/NA	Solid	8260B	76655
240-21427-5	TW-2-13-6'	Total/NA	Solid	8260B	76655
240-21427-9	MW-6R-13(11')	Total/NA	Solid	8260B	76655
LCS 240-76655/2-A	Lab Control Sample	Total/NA	Solid	8260B	76655
MB 240-76655/1-A	Method Blank	Total/NA	Solid	8260B	76655

Analysis Batch: 76949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21427-8	MW-6R-13(10')	Total/NA	Solid	8260B	76655
240-21427-10	MW-13-13(8')	Total/NA	Solid	8260B	76655

Analysis Batch: 77112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21427-6	TW-1-13	Total/NA	Water	8260B	
240-21427-7	TW-2-13	Total/NA	Water	8260B	
240-21427-11	TRIP BLANK	Total/NA	Water	8260B	
LCS 240-77112/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-77112/5	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 76773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21427-1	SB-1-13-2.5'	Total/NA	Solid	3540C	
240-21427-2	SB-1-13-5'	Total/NA	Solid	3540C	
240-21427-3	SB-3-13-5'	Total/NA	Solid	3540C	
240-21427-4	SB-5-13-4.5-5'	Total/NA	Solid	3540C	
240-21427-8	MW-6R-13(10')	Total/NA	Solid	3540C	
240-21427-8 - RA	MW-6R-13(10')	Total/NA	Solid	3540C	
LCS 240-76773/18-A	Lab Control Sample	Total/NA	Solid	3540C	
MB 240-76773/17-A	Method Blank	Total/NA	Solid	3540C	

GC/MS Semi VOA (Continued)

Analysis Batch: 77119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21427-1	SB-1-13-2.5'	Total/NA	Solid	8270C	76773
240-21427-2	SB-1-13-5'	Total/NA	Solid	8270C	76773
240-21427-3	SB-3-13-5'	Total/NA	Solid	8270C	76773
240-21427-8	MW-6R-13(10')	Total/NA	Solid	8270C	76773
LCS 240-76773/18-A	Lab Control Sample	Total/NA	Solid	8270C	76773
MB 240-76773/17-A	Method Blank	Total/NA	Solid	8270C	76773

Analysis Batch: 77296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21427-4	SB-5-13-4.5-5'	Total/NA	Solid	8270C	76773
240-21427-8 - RA	MW-6R-13(10')	Total/NA	Solid	8270C	76773

General Chemistry

Analysis Batch: 76892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21427-1	SB-1-13-2.5'	Total/NA	Solid	Moisture	
240-21427-1 DU	SB-1-13-2.5'	Total/NA	Solid	Moisture	
240-21427-2	SB-1-13-5'	Total/NA	Solid	Moisture	
240-21427-3	SB-3-13-5'	Total/NA	Solid	Moisture	
240-21427-4	SB-5-13-4.5-5'	Total/NA	Solid	Moisture	
240-21427-5	TW-2-13-6'	Total/NA	Solid	Moisture	
240-21427-8	MW-6R-13(10')	Total/NA	Solid	Moisture	
240-21427-9	MW-6R-13(11')	Total/NA	Solid	Moisture	
240-21427-10	MW-13-13(8')	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: SB-1-13-2.5'

Lab Sample ID: 240-21427-1
Date Collected: 02/24/13 09:05
Matrix: Solid
Date Received: 02/26/13 09:15
Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			76655	02/27/13 12:14	LM	TAL NC
Total/NA	Analysis	8260B		1	76797	02/28/13 14:38	RQ	TAL NC
Total/NA	Prep	3540C			76773	02/28/13 09:45	AC	TAL NC
Total/NA	Analysis	8270C		50	77119	03/04/13 23:43	JG	TAL NC
Total/NA	Analysis	Moisture		1	76892	02/28/13 17:33	AM	TAL NC

Client Sample ID: SB-1-13-5'

Lab Sample ID: 240-21427-2
Date Collected: 02/24/13 09:08
Matrix: Solid
Date Received: 02/26/13 09:15
Percent Solids: 79.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			76655	02/27/13 12:14	LM	TAL NC
Total/NA	Analysis	8260B		1	76797	02/28/13 15:05	RQ	TAL NC
Total/NA	Prep	3540C			76773	02/28/13 09:45	AC	TAL NC
Total/NA	Analysis	8270C		1	77119	03/04/13 20:11	JG	TAL NC
Total/NA	Analysis	Moisture		1	76892	02/28/13 17:33	AM	TAL NC

Client Sample ID: SB-3-13-5'

Lab Sample ID: 240-21427-3
Date Collected: 02/24/13 10:00
Matrix: Solid
Date Received: 02/26/13 09:15
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			76655	02/27/13 12:14	LM	TAL NC
Total/NA	Analysis	8260B		1	76797	02/28/13 15:31	RQ	TAL NC
Total/NA	Prep	3540C			76773	02/28/13 09:45	AC	TAL NC
Total/NA	Analysis	8270C		1	77119	03/04/13 19:47	JG	TAL NC
Total/NA	Analysis	Moisture		1	76892	02/28/13 17:33	AM	TAL NC

Client Sample ID: SB-5-13-4.5-5'

Lab Sample ID: 240-21427-4
Date Collected: 02/24/13 10:45
Matrix: Solid
Date Received: 02/26/13 09:15
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			76655	02/27/13 12:14	LM	TAL NC
Total/NA	Analysis	8260B		1	76797	02/28/13 15:57	RQ	TAL NC
Total/NA	Prep	3540C			76773	02/28/13 09:45	AC	TAL NC
Total/NA	Analysis	8270C		2.5	77296	03/05/13 21:59	JG	TAL NC
Total/NA	Analysis	Moisture		1	76892	02/28/13 17:33	AM	TAL NC

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: TW-2-13-6'

Lab Sample ID: 240-21427-5

Date Collected: 02/24/13 12:30
Matrix: Solid
Date Received: 02/26/13 09:15
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			76655	02/27/13 12:14	LM	TAL NC
Total/NA	Analysis	8260B		1	76797	02/28/13 16:24	RQ	TAL NC
Total/NA	Analysis	Moisture		1	76892	02/28/13 17:33	AM	TAL NC

Client Sample ID: TW-1-13

Lab Sample ID: 240-21427-6

Date Collected: 02/24/13 13:05
Matrix: Water
Date Received: 02/26/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	77112	03/04/13 16:28	RQ	TAL NC

Client Sample ID: TW-2-13

Lab Sample ID: 240-21427-7

Date Collected: 02/24/13 15:35
Matrix: Water
Date Received: 02/26/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	77112	03/04/13 16:50	RQ	TAL NC

Client Sample ID: MW-6R-13(10')

Lab Sample ID: 240-21427-8

Date Collected: 02/24/13 09:40
Matrix: Solid
Date Received: 02/26/13 09:15
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			76655	02/27/13 12:14	LM	TAL NC
Total/NA	Analysis	8260B		33.333	76949	03/01/13 13:23	RQ	TAL NC
Total/NA	Prep	3540C			76773	02/28/13 09:45	AC	TAL NC
Total/NA	Analysis	8270C		1	77119	03/04/13 19:00	JG	TAL NC
Total/NA	Prep	3540C	RA		76773	02/28/13 09:45	AC	TAL NC
Total/NA	Analysis	8270C	RA	4	77296	03/05/13 21:12	JG	TAL NC
Total/NA	Analysis	Moisture		1	76892	02/28/13 17:33	AM	TAL NC

Client Sample ID: MW-6R-13(11')

Lab Sample ID: 240-21427-9

Date Collected: 02/24/13 11:30
Matrix: Solid
Date Received: 02/26/13 09:15
Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			76655	02/27/13 12:14	LM	TAL NC
Total/NA	Analysis	8260B		6.667	76797	02/28/13 17:43	RQ	TAL NC
Total/NA	Analysis	Moisture		1	76892	02/28/13 17:33	AM	TAL NC

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Client Sample ID: MW-13-13(8')

Lab Sample ID: 240-21427-10

Date Collected: 02/24/13 15:00
Matrix: Solid
Date Received: 02/26/13 09:15
Percent Solids: 48.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			76655	02/27/13 12:14	LM	TAL NC
Total/NA	Analysis	8260B		1	76949	03/01/13 11:45	RQ	TAL NC
Total/NA	Analysis	Moisture		1	76892	02/28/13 17:33	AM	TAL NC

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-21427-11

Date Collected: 02/24/13 00:00
Matrix: Water
Date Received: 02/26/13 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	77112	03/04/13 17:11	RQ	TAL NC

Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: Tetra Tech GEO
Project/Site: 415 W Washington Phase II

TestAmerica Job ID: 240-21427-1

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAP	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAP	5	200004	07-31-13
Kansas	NELAP	7	E-10336	01-31-14
Kentucky	State Program	4	58	06-30-13
L-A-B	DoD ELAP		L2315	07-28-13
Minnesota	NELAP	5	039-999-348	12-31-13
Nevada	State Program	9	OH-000482008A	07-31-13
New Jersey	NELAP	2	OH001	06-30-13
New York	NELAP	2	10975	04-01-13
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAP	3	68-00340	08-31-13
Texas	NELAP	6		08-03-13
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAP	3	460175	09-14-13
Washington	State Program	10	C971	01-12-14
West Virginia DEP	State Program	3	210	12-31-13
Wisconsin	State Program	5	999518190	08-31-13

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: Tetra Tech	Client Project Manager: Patti McCall	Site Contact: Joy Bryzenia	Lab Contact: Kris Brooks	COC No: 054859
Address: 710 Avis Dr.	Telephone: 734-213-4069	Telephone:	Telephone:	1 of 2 COCs
City/State/Zip: Ann Arbor, MI 48108	Email: patti.mccall@tetratech.com	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone:		TAT if different from below: Standard		Walk-in client ☐
Project Name: 415 W. Washington Phase II	Method of Shipment/Carrier:	☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Lab pickup ☐
Project Number: 117-105401102	Shipping/Tracking No:			Lab sampling ☐
PO#				Job/SDG No:

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other: MeOH	Filtered Sample (Y/N)	Composite (C) or Grab (G)	VOCs	PNAs	dry weight	Sample Specific Notes / Special Instructions:
SB-1-13-2.5'	2/24/13	9:05				X							2	1			X	X	X	
SB-1-13-5'	2/24/13	9:08				X							1	1			X	X	X	
SB-3-13-5'	2/24/13	10:00				X							2	1			X	X	X	
SB-5-13-4.5-5'	2/24/13	10:45				X							2	1			X	X	X	
TW-2-13-6'	2/24/13	12:30				X							1	1			X		X	
TW-1-13	2/24/13	13:05		X						3							X			
TW-2-13	2/24/13	15:35		X						3							X			
MW-6R-13 (10')	2/24/13	9:40				X							2	1			X	X	X	
MW-6R-13(11')	2/24/13	11:30				X							1	1			X		X	
MW-13-13 (8')	2/24/13	1500				X							1	1			X		X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☒ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	TT	2/24/13 17:30	Cold Storage	TT	2/24/13 17:30
[signature] (COLD STORAGE)	TT	2/25/13 12:30	[signature]	TEST AMERICA	2/25/13 12:30
[signature]	TEST AMERICA	2/25/13 16:37	Received in Laboratory by: [signature]	TA	2-26-13 915

TAL 0018-1 (04/10)

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____

Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: Tetra Tech	Client Project Manager: Patti McCall	Site Contact: Joy Bryzem	Lab Contact: Kris Brooks	COC No: 054950
Address: 710 Avis Dr.	Telephone: 734-213-4069	Telephone:	Telephone:	2 of 2 COCs
City/State/Zip: Ann Arbor, MI 48108	Email:	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone:		TAT if different from below Standard		Walk-in client: ☐
Project Name: 415 W. Washington Phase II	Method of Shipment/Carrier:	☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Lab pickup: ☐
Project Number: 117-10540II/02	Shipping/Tracking No:			Lab sampling: ☐
PO#				Job/SDG No:

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Unpres	Other:	Filtered Sample (Y / N)	Composite C / Grab G	VOCs	Sample Specific Notes / Special Instructions:
Trip Blank	2/24/13	—		X						1							X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☒ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements & Comments:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	Tt	2/24/13 17:30	Cold storage	Tt	2/24/13 17:30
Relinquished by: [signature] (COLD STORAGE)	Company: Tt	Date/Time: 2/25/13 12:30	Received by: [signature]	Company: TEST AMERICA	Date/Time: 2/25/13 12:30
Relinquished by: [signature]	Company: TEST AMERICA	Date/Time: 2/25/13 16:37	Received in Laboratory by: [signature]	Company: TA	Date/Time: 2-26-13 915

TAL 0018-1 (04/10)

3/7/2013

TestAmerica Canton Sample Receipt Form/Narrative **Login # :** 21427

Client Tetra Tech Site Name _____ By: Dawn D. Haan (Signature)

Cooler Received on 2-26-13 Opened on 2-26-13

FedEx: 1st Grd (Exp) UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # _____ Foam Box (Client Cooler) Box Other _____

Packing material used: (Bubble Wrap) Foam (Plastic Bag) None Other _____

COOLANT: (Wet Ice) Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF –2 °C)	Observed Sample Temp. _____ °C	Corrected Sample Temp. _____ °C	☐ Multiple on Back
IR GUN# 4G	(CF 0 °C)	Observed Sample Temp. 3.8 °C	Corrected Sample Temp. 3.8 °C	
IR GUN# 5G	(CF 0 °C)	Observed Sample Temp. _____ °C	Corrected Sample Temp. _____ °C	
IR GUN# 8	(CF 0 °C)	Observed Sample Temp. _____ °C	Corrected Sample Temp. _____ °C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 0 Yes (No)
   - Were custody seals on the outside of the cooler(s) signed & dated? Yes (No) NA
   - Were custody seals on the bottle(s)? Yes (No)
3. Shippers' packing slip attached to the cooler(s)? (Yes) No
4. Did custody papers accompany the sample(s)? (Yes) No
5. Were the custody papers relinquished & signed in the appropriate place? (Yes) No
6. Did all bottles arrive in good condition (Unbroken)? (Yes) No
7. Could all bottle labels be reconciled with the COC? (Yes) No
8. Were correct bottle(s) used for the test(s) indicated? (Yes) No
9. Sufficient quantity received to perform indicated analyses? (Yes) No
10. Were sample(s) at the correct pH upon receipt? Yes No (NA)
11. Were VOAs on the COC? Yes (No)
12. Were air bubbles >6 mm in any VOA vials? Yes No (NA)
13. Was a trip blank present in the cooler(s)? (Yes) No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) ____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO_3; Sulfuric Acid Lot# 051012-H_2SO_4; Sodium Hydroxide Lot# 121809-NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-$(CH_3COO)_2ZN$/NaOH. What time was preservative added to sample(s)? ____________________

Client ID	pH	Date	Initials

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Canton
4101 Shuffel Street NW
North Canton, OH 44720
Tel: (330)497-9396

TestAmerica Job ID: 240-21836-1
Client Project/Site: 415 West Washington - 117-1054011.02

For:
Tetra Tech GEO
710 Avis Drive
Ann Arbor, Michigan 48108

Attn: Patti McCall

Patrick O'Meara

Authorized for release by:
3/22/2013 5:04:07 PM
Patrick O'Meara
Project Manager II
patrick.omeara@testamericainc.com

Designee for

Kris Brooks
Project Manager II
kris.brooks@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD exceeds the control limits
F	MS or MSD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 240-21836-1

Laboratory: TestAmerica Canton

Narrative

CASE NARRATIVE

Client: Tetra Tech GEO

Project: 415 West Washington - 117-1054011.02

Report Number: 240-21836-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

The 6020 Dissolved Metals and 7470A Dissolved Mercury analysis were performed at the TestAmerica Pittsburgh Laboratory.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 03/09/2013; the samples arrived in good condition, properly preserved and on ice. The temperatures of the coolers at receipt were 2.4 and 2.6 C.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-6R-13 (240-21836-1), MW-1R-13 (240-21836-3), MW-11R-13 (240-21836-4), MW-3R-13 (240-21836-5), MW-13-13 (240-21836-6) and TRIP BLANK (240-21836-7) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 03/15/2013 and 03/18/2013.

1,2,4-Trichlorobenzene and Methylene Chloride were detected in method blank MB 240-78499/5 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged. 1,2,4-Trichlorobenzene and Methylene Chloride were detected in method blank MB 240-78611/5 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged "J". If the associated sample reported a result above the MDL and/or RL, the result has been "B" flagged.

The laboratory control sample (LCS) for batch 78499 exceeded control limits for the following analyte(s): Trichlorofluoromethane--has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

The laboratory control sample (LCS) for batch 78611 exceeded control limits for the following analyte(s): Trichlorofluoromethane--has

Job ID: 240-21836-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed.

Trichlorofluoromethane failed the recovery criteria high for the MS/MSD of sample MW-13-13 (240-21836-6) in batch 240-78611.

Samples MW-6R-13 (240-21836-1)[1.43X], MW-1R-13 (240-21836-3)[5X], MW-11R-13 (240-21836-4)[12.5X] and MW-13-13 (240-21836-6) [6.67X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method 8260 stipulates a 12 hour sequence for the analysis of samples.The MSD for sample 21836-6 exceeded the 12 hour time limit by 13 minutes. The MS/MSD was reported for batch QC.

No other difficulties were encountered during the VOCs analyses. All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-6R-13 (240-21836-1), MW-1R-13 (240-21836-3), MW-11R-13 (240-21836-4) and MW-3R-13 (240-21836-5) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 03/12/2013 and analyzed on 03/14/2013.

Surrogates are added during the extraction process prior to dilution. When the sample is diluted, surrogate recoveries are diluted out and no corrective action is required.

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 78024.

No other difficulties were encountered during the SVOCs analyses. All quality control parameters were within the acceptance limits.

DISSOLVED METALS (ICPMS)

Sample MW-6R-13 (240-21836-1) was analyzed for dissolved metals (ICPMS) in accordance with EPA SW-846 Method 6020. The samples were prepared on 03/13/2013 and analyzed on 03/16/2013.

Lead and Lead were detected in method blank MB 180-66191/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged.

No difficulties were encountered during the metals analysis. All quality control parameters were within the acceptance limits.

DISSOLVED MERCURY (CVAA)

Samples MW-6R-13 (240-21836-1) and MW-8 (240-21836-2) were analyzed for dissolved mercury (CVAA) in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 03/13/2013.

No difficulties were encountered during the mercury analyses. All quality control parameters were within the acceptance limits.

Method Summary

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054011.02

TestAmerica Job ID: 240-21836-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NC
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL NC
6020	Metals (ICP/MS)	SW846	TAL PIT
7470A	Mercury (CVAA)	SW846	TAL PIT

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Sample Summary

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054011.02

TestAmerica Job ID: 240-21836-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-21836-1	MW-6R-13	Water	03/07/13 10:45	03/09/13 09:30
240-21836-2	MW-8	Water	03/07/13 11:18	03/09/13 09:30
240-21836-3	MW-1R-13	Water	03/07/13 11:56	03/09/13 09:30
240-21836-4	MW-11R-13	Water	03/07/13 12:55	03/09/13 09:30
240-21836-5	MW-3R-13	Water	03/07/13 14:15	03/09/13 09:30
240-21836-6	MW-13-13	Water	03/07/13 14:56	03/09/13 09:30
240-21836-7	TRIP BLANK	Water	03/07/13 00:00	03/09/13 09:30

Detection Summary

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054011.02

TestAmerica Job ID: 240-21836-1

Client Sample ID: MW-6R-13 — Lab Sample ID: 240-21836-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	12		1.4	0.24	ug/L	1.43		8260B	Total/NA
Methylene Chloride	1.6	J B	7.2	0.47	ug/L	1.43		8260B	Total/NA
Toluene	1.4		1.4	0.19	ug/L	1.43		8260B	Total/NA
Xylenes, Total	66		2.9	0.40	ug/L	1.43		8260B	Total/NA
Cyclohexane	21		1.4	0.17	ug/L	1.43		8260B	Total/NA
Isopropylbenzene	2.8		1.4	0.19	ug/L	1.43		8260B	Total/NA
Methylcyclohexane	56		1.4	0.19	ug/L	1.43		8260B	Total/NA
Naphthalene	7.4		4.8	0.095	ug/L	1		8270C	Total/NA
2-Methylnaphthalene	4.3	J	4.8	0.095	ug/L	1		8270C	Total/NA
Barium	120		10	0.098	ug/L	1		6020	Dissolved
Chromium	0.73	J	2.0	0.54	ug/L	1		6020	Dissolved
Sodium	330000		100	3.8	ug/L	1		6020	Dissolved
Nickel	0.40	J	1.0	0.17	ug/L	1		6020	Dissolved
Lead	0.57	J B	1.0	0.019	ug/L	1		6020	Dissolved
Selenium	0.80	J	5.0	0.42	ug/L	1		6020	Dissolved
Zinc	4.2	J	5.0	0.96	ug/L	1		6020	Dissolved

Client Sample ID: MW-8 — Lab Sample ID: 240-21836-2

No Detections.

Client Sample ID: MW-1R-13 — Lab Sample ID: 240-21836-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	46		5.0	0.65	ug/L	5		8260B	Total/NA
Ethylbenzene	31		5.0	0.85	ug/L	5		8260B	Total/NA
Methylene Chloride	4.0	J B	25	1.7	ug/L	5		8260B	Total/NA
Toluene	1.0	J	5.0	0.65	ug/L	5		8260B	Total/NA
Xylenes, Total	18		10	1.4	ug/L	5		8260B	Total/NA
Isopropylbenzene	11		5.0	0.65	ug/L	5		8260B	Total/NA
Methylcyclohexane	8.2		5.0	0.65	ug/L	5		8260B	Total/NA
Fluoranthene	0.23	J	0.95	0.095	ug/L	1		8270C	Total/NA
Fluorene	1.1	J	4.8	0.095	ug/L	1		8270C	Total/NA
Phenanthrene	1.2	J	1.9	0.095	ug/L	1		8270C	Total/NA
Pyrene	0.16	J	4.8	0.095	ug/L	1		8270C	Total/NA
Acenaphthene	0.36	J	4.8	0.095	ug/L	1		8270C	Total/NA
Acenaphthylene	0.21	J	4.8	0.095	ug/L	1		8270C	Total/NA
Naphthalene	4.6	J	4.8	0.095	ug/L	1		8270C	Total/NA
2-Methylnaphthalene	1.8	J	4.8	0.095	ug/L	1		8270C	Total/NA

Client Sample ID: MW-11R-13 — Lab Sample ID: 240-21836-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	420		13	1.6	ug/L	12.5		8260B	Total/NA
Methylene Chloride	20	J B	63	4.1	ug/L	12.5		8260B	Total/NA
Toluene	4.1	J	13	1.6	ug/L	12.5		8260B	Total/NA
Xylenes, Total	19	J	25	3.5	ug/L	12.5		8260B	Total/NA
Cyclohexane	38		13	1.5	ug/L	12.5		8260B	Total/NA
Isopropylbenzene	24		13	1.6	ug/L	12.5		8260B	Total/NA
Methylcyclohexane	12	J	13	1.6	ug/L	12.5		8260B	Total/NA
Acenaphthene	0.60	J	4.8	0.095	ug/L	1		8270C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-11R-13 (Continued) — Lab Sample ID: 240-21836-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	48		4.8	0.095	ug/L	1		8270C	Total/NA
2-Methylnaphthalene	2.5	J	4.8	0.095	ug/L	1		8270C	Total/NA

Client Sample ID: MW-3R-13 — Lab Sample ID: 240-21836-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.47	J	1.0	0.17	ug/L	1		8260B	Total/NA
Isopropylbenzene	0.18	J	1.0	0.13	ug/L	1		8260B	Total/NA
Fluorene	3.5	J	4.8	0.095	ug/L	1		8270C	Total/NA
Phenanthrene	2.3		1.9	0.095	ug/L	1		8270C	Total/NA
Acenaphthene	2.7	J	4.8	0.095	ug/L	1		8270C	Total/NA
Acenaphthylene	0.59	J	4.8	0.095	ug/L	1		8270C	Total/NA

Client Sample ID: MW-13-13 — Lab Sample ID: 240-21836-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon tetrachloride	1.6	J	6.7	0.87	ug/L	6.67		8260B	Total/NA
Chloroform	7.4		6.7	1.1	ug/L	6.67		8260B	Total/NA
Methylene Chloride	3.5	J B	33	2.2	ug/L	6.67		8260B	Total/NA
Trichloroethene	190		6.7	1.1	ug/L	6.67		8260B	Total/NA
1,1,1-Trichloroethane	8.3		6.7	1.5	ug/L	6.67		8260B	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 240-21836-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.6	J	10	1.1	ug/L	1		8260B	Total/NA
Methylene Chloride	0.67	J B	5.0	0.33	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054011.02

TestAmerica Job ID: 240-21836-1

Client Sample ID: MW-6R-13
Date Collected: 03/07/13 10:45
Date Received: 03/09/13 09:30

Lab Sample ID: 240-21836-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.6	U	14	1.6	ug/L			03/15/13 20:36	1.43
Benzene	0.19	U	1.4	0.19	ug/L			03/15/13 20:36	1.43
Bromodichloromethane	0.21	U	1.4	0.21	ug/L			03/15/13 20:36	1.43
Bromoform	0.92	U	1.4	0.92	ug/L			03/15/13 20:36	1.43
Bromomethane	0.59	U	1.4	0.59	ug/L			03/15/13 20:36	1.43
2-Butanone (MEK)	0.82	U	14	0.82	ug/L			03/15/13 20:36	1.43
Carbon disulfide	0.19	U	7.2	0.19	ug/L			03/15/13 20:36	1.43
Carbon tetrachloride	0.19	U	1.4	0.19	ug/L			03/15/13 20:36	1.43
Chlorobenzene	0.21	U	1.4	0.21	ug/L			03/15/13 20:36	1.43
Chloroethane	0.41	U	1.4	0.41	ug/L			03/15/13 20:36	1.43
Chloroform	0.23	U	1.4	0.23	ug/L			03/15/13 20:36	1.43
Chloromethane	0.43	U	1.4	0.43	ug/L			03/15/13 20:36	1.43
1,1-Dichloroethane	0.21	U	1.4	0.21	ug/L			03/15/13 20:36	1.43
1,2-Dichloroethane	0.31	U	1.4	0.31	ug/L			03/15/13 20:36	1.43
1,1-Dichloroethene	0.27	U	1.4	0.27	ug/L			03/15/13 20:36	1.43
1,2-Dichloropropane	0.26	U	1.4	0.26	ug/L			03/15/13 20:36	1.43
cis-1,3-Dichloropropene	0.20	U	1.4	0.20	ug/L			03/15/13 20:36	1.43
trans-1,3-Dichloropropene	0.27	U	1.4	0.27	ug/L			03/15/13 20:36	1.43
Ethylbenzene	**12**		1.4	0.24	ug/L			03/15/13 20:36	1.43
2-Hexanone	0.59	U	14	0.59	ug/L			03/15/13 20:36	1.43
Methylene Chloride	**1.6**	**J B**	7.2	0.47	ug/L			03/15/13 20:36	1.43
4-Methyl-2-pentanone (MIBK)	0.46	U	14	0.46	ug/L			03/15/13 20:36	1.43
Styrene	0.16	U	1.4	0.16	ug/L			03/15/13 20:36	1.43
1,1,2,2-Tetrachloroethane	0.26	U	1.4	0.26	ug/L			03/15/13 20:36	1.43
Tetrachloroethene	0.41	U	1.4	0.41	ug/L			03/15/13 20:36	1.43
Toluene	**1.4**		1.4	0.19	ug/L			03/15/13 20:36	1.43
Trichloroethene	0.24	U	1.4	0.24	ug/L			03/15/13 20:36	1.43
Vinyl chloride	0.31	U	1.4	0.31	ug/L			03/15/13 20:36	1.43
Xylenes, Total	**66**		2.9	0.40	ug/L			03/15/13 20:36	1.43
1,1,1-Trichloroethane	0.31	U	1.4	0.31	ug/L			03/15/13 20:36	1.43
1,1,2-Trichloroethane	0.39	U	1.4	0.39	ug/L			03/15/13 20:36	1.43
Cyclohexane	**21**		1.4	0.17	ug/L			03/15/13 20:36	1.43
1,2-Dibromo-3-Chloropropane	0.96	U	1.4	0.96	ug/L			03/15/13 20:36	1.43
1,2-Dibromoethane	0.34	U	1.4	0.34	ug/L			03/15/13 20:36	1.43
Dichlorodifluoromethane	0.44	U	1.4	0.44	ug/L			03/15/13 20:36	1.43
cis-1,2-Dichloroethene	0.24	U	1.4	0.24	ug/L			03/15/13 20:36	1.43
trans-1,2-Dichloroethene	0.27	U	1.4	0.27	ug/L			03/15/13 20:36	1.43
Isopropylbenzene	**2.8**		1.4	0.19	ug/L			03/15/13 20:36	1.43
Methyl acetate	0.54	U	14	0.54	ug/L			03/15/13 20:36	1.43
Methyl tert-butyl ether	0.24	U	1.4	0.24	ug/L			03/15/13 20:36	1.43
1,1,2-Trichloro-1,2,2-trifluoroethane	0.40	U	1.4	0.40	ug/L			03/15/13 20:36	1.43
1,2,4-Trichlorobenzene	0.21	U	1.4	0.21	ug/L			03/15/13 20:36	1.43
1,2-Dichlorobenzene	0.19	U	1.4	0.19	ug/L			03/15/13 20:36	1.43
1,3-Dichlorobenzene	0.20	U	1.4	0.20	ug/L			03/15/13 20:36	1.43
1,4-Dichlorobenzene	0.19	U	1.4	0.19	ug/L			03/15/13 20:36	1.43
Trichlorofluoromethane	0.30	U *	1.4	0.30	ug/L			03/15/13 20:36	1.43
Dibromochloromethane	0.26	U	1.4	0.26	ug/L			03/15/13 20:36	1.43
Methylcyclohexane	**56**		1.4	0.19	ug/L			03/15/13 20:36	1.43

Client Sample ID: MW-6R-13

Date Collected: 03/07/13 10:45
Date Received: 03/09/13 09:30

Lab Sample ID: 240-21836-1

Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	*84*		*63 - 129*		*03/15/13 20:36*	*1.43*
4-Bromofluorobenzene (Surr)	*99*		*66 - 117*		*03/15/13 20:36*	*1.43*
Toluene-d8 (Surr)	*98*		*74 - 115*		*03/15/13 20:36*	*1.43*
Dibromofluoromethane (Surr)	*76*		*75 - 121*		*03/15/13 20:36*	*1.43*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 11:30	1
Benzo[a]pyrene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 11:30	1
Benzo[b]fluoranthene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 11:30	1
Benzo[g,h,i]perylene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 11:30	1
Benzo[k]fluoranthene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 11:30	1
Anthracene	0.095	U	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 11:30	1
Chrysene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 11:30	1
Dibenz(a,h)anthracene	0.095	U	1.9	0.095	ug/L		03/12/13 11:22	03/14/13 11:30	1
Fluoranthene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 11:30	1
Fluorene	0.095	U	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 11:30	1
Indeno[1,2,3-cd]pyrene	0.095	U	1.9	0.095	ug/L		03/12/13 11:22	03/14/13 11:30	1
Phenanthrene	0.095	U	1.9	0.095	ug/L		03/12/13 11:22	03/14/13 11:30	1
Pyrene	0.095	U	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 11:30	1
Acenaphthene	0.095	U	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 11:30	1
Acenaphthylene	0.095	U	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 11:30	1
Naphthalene	**7.4**		4.8	0.095	ug/L		03/12/13 11:22	03/14/13 11:30	1
2-Methylnaphthalene	**4.3**	**J**	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 11:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	*61*		*20 - 110*	*03/12/13 11:22*	*03/14/13 11:30*	*1*
2-Fluorophenol (Surr)	*53*		*10 - 110*	*03/12/13 11:22*	*03/14/13 11:30*	*1*
2,4,6-Tribromophenol (Surr)	*58*		*21 - 110*	*03/12/13 11:22*	*03/14/13 11:30*	*1*
Nitrobenzene-d5 (Surr)	*68*		*21 - 110*	*03/12/13 11:22*	*03/14/13 11:30*	*1*
Phenol-d5 (Surr)	*53*		*21 - 110*	*03/12/13 11:22*	*03/14/13 11:30*	*1*
Terphenyl-d14 (Surr)	*77*		*24 - 110*	*03/12/13 11:22*	*03/14/13 11:30*	*1*

Method: 6020 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.036	U	1.0	0.036	ug/L		03/13/13 14:07	03/16/13 20:33	1
Arsenic	0.29	U	1.0	0.29	ug/L		03/13/13 14:07	03/16/13 20:33	1
Barium	**120**		10	0.098	ug/L		03/13/13 14:07	03/16/13 20:33	1
Cadmium	0.11	U	1.0	0.11	ug/L		03/13/13 14:07	03/16/13 20:33	1
Chromium	**0.73**	**J**	2.0	0.54	ug/L		03/13/13 14:07	03/16/13 20:33	1
Sodium	**330000**		100	3.8	ug/L		03/13/13 14:07	03/16/13 20:33	1
Nickel	**0.40**	**J**	1.0	0.17	ug/L		03/13/13 14:07	03/16/13 20:33	1
Lead	**0.57**	**J B**	1.0	0.019	ug/L		03/13/13 14:07	03/16/13 20:33	1
Selenium	**0.80**	**J**	5.0	0.42	ug/L		03/13/13 14:07	03/16/13 20:33	1
Zinc	**4.2**	**J**	5.0	0.96	ug/L		03/13/13 14:07	03/16/13 20:33	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038	U	0.20	0.038	ug/L		03/13/13 09:51	03/13/13 14:00	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054011.02

TestAmerica Job ID: 240-21836-1

Client Sample ID: MW-8
Date Collected: 03/07/13 11:18
Date Received: 03/09/13 09:30

Lab Sample ID: 240-21836-2
Matrix: Water

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038	U	0.20	0.038	ug/L		03/13/13 09:51	03/13/13 14:05	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054011.02

TestAmerica Job ID: 240-21836-1

Client Sample ID: MW-1R-13
Date Collected: 03/07/13 11:56
Date Received: 03/09/13 09:30

Lab Sample ID: 240-21836-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	5.5	U	50	5.5	ug/L			03/18/13 12:53	5
Benzene	**46**		5.0	0.65	ug/L			03/18/13 12:53	5
Bromodichloromethane	0.75	U	5.0	0.75	ug/L			03/18/13 12:53	5
Bromoform	3.2	U	5.0	3.2	ug/L			03/18/13 12:53	5
Bromomethane	2.1	U	5.0	2.1	ug/L			03/18/13 12:53	5
2-Butanone (MEK)	2.9	U	50	2.9	ug/L			03/18/13 12:53	5
Carbon disulfide	0.65	U	25	0.65	ug/L			03/18/13 12:53	5
Carbon tetrachloride	0.65	U	5.0	0.65	ug/L			03/18/13 12:53	5
Chlorobenzene	0.75	U	5.0	0.75	ug/L			03/18/13 12:53	5
Chloroethane	1.5	U	5.0	1.5	ug/L			03/18/13 12:53	5
Chloroform	0.80	U	5.0	0.80	ug/L			03/18/13 12:53	5
Chloromethane	1.5	U	5.0	1.5	ug/L			03/18/13 12:53	5
1,1-Dichloroethane	0.75	U	5.0	0.75	ug/L			03/18/13 12:53	5
1,2-Dichloroethane	1.1	U	5.0	1.1	ug/L			03/18/13 12:53	5
1,1-Dichloroethene	0.95	U	5.0	0.95	ug/L			03/18/13 12:53	5
1,2-Dichloropropane	0.90	U	5.0	0.90	ug/L			03/18/13 12:53	5
cis-1,3-Dichloropropene	0.70	U	5.0	0.70	ug/L			03/18/13 12:53	5
trans-1,3-Dichloropropene	0.95	U	5.0	0.95	ug/L			03/18/13 12:53	5
Ethylbenzene	**31**		5.0	0.85	ug/L			03/18/13 12:53	5
2-Hexanone	2.1	U	50	2.1	ug/L			03/18/13 12:53	5
Methylene Chloride	**4.0**	**J B**	25	1.7	ug/L			03/18/13 12:53	5
4-Methyl-2-pentanone (MIBK)	1.6	U	50	1.6	ug/L			03/18/13 12:53	5
Styrene	0.55	U	5.0	0.55	ug/L			03/18/13 12:53	5
1,1,2,2-Tetrachloroethane	0.90	U	5.0	0.90	ug/L			03/18/13 12:53	5
Tetrachloroethene	1.5	U	5.0	1.5	ug/L			03/18/13 12:53	5
Toluene	**1.0**	**J**	5.0	0.65	ug/L			03/18/13 12:53	5
Trichloroethene	0.85	U	5.0	0.85	ug/L			03/18/13 12:53	5
Vinyl chloride	1.1	U	5.0	1.1	ug/L			03/18/13 12:53	5
Xylenes, Total	**18**		10	1.4	ug/L			03/18/13 12:53	5
1,1,1-Trichloroethane	1.1	U	5.0	1.1	ug/L			03/18/13 12:53	5
1,1,2-Trichloroethane	1.4	U	5.0	1.4	ug/L			03/18/13 12:53	5
Cyclohexane	0.60	U	5.0	0.60	ug/L			03/18/13 12:53	5
1,2-Dibromo-3-Chloropropane	3.4	U	5.0	3.4	ug/L			03/18/13 12:53	5
1,2-Dibromoethane	1.2	U	5.0	1.2	ug/L			03/18/13 12:53	5
Dichlorodifluoromethane	1.6	U	5.0	1.6	ug/L			03/18/13 12:53	5
cis-1,2-Dichloroethene	0.85	U	5.0	0.85	ug/L			03/18/13 12:53	5
trans-1,2-Dichloroethene	0.95	U	5.0	0.95	ug/L			03/18/13 12:53	5
Isopropylbenzene	**11**		5.0	0.65	ug/L			03/18/13 12:53	5
Methyl acetate	1.9	U	50	1.9	ug/L			03/18/13 12:53	5
Methyl tert-butyl ether	0.85	U	5.0	0.85	ug/L			03/18/13 12:53	5
1,1,2-Trichloro-1,2,2-trifluoroethane	1.4	U	5.0	1.4	ug/L			03/18/13 12:53	5
1,2,4-Trichlorobenzene	0.75	U	5.0	0.75	ug/L			03/18/13 12:53	5
1,2-Dichlorobenzene	0.65	U	5.0	0.65	ug/L			03/18/13 12:53	5
1,3-Dichlorobenzene	0.70	U	5.0	0.70	ug/L			03/18/13 12:53	5
1,4-Dichlorobenzene	0.65	U	5.0	0.65	ug/L			03/18/13 12:53	5
Trichlorofluoromethane	1.1	U *	5.0	1.1	ug/L			03/18/13 12:53	5
Dibromochloromethane	0.90	U	5.0	0.90	ug/L			03/18/13 12:53	5
Methylcyclohexane	**8.2**		5.0	0.65	ug/L			03/18/13 12:53	5

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054011.02

TestAmerica Job ID: 240-21836-1

Client Sample ID: MW-1R-13
Date Collected: 03/07/13 11:56
Date Received: 03/09/13 09:30

Lab Sample ID: 240-21836-3
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		63 - 129		03/18/13 12:53	5
4-Bromofluorobenzene (Surr)	88		66 - 117		03/18/13 12:53	5
Toluene-d8 (Surr)	90		74 - 115		03/18/13 12:53	5
Dibromofluoromethane (Surr)	81		75 - 121		03/18/13 12:53	5

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 11:52	1
Benzo[a]pyrene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 11:52	1
Benzo[b]fluoranthene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 11:52	1
Benzo[g,h,i]perylene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 11:52	1
Benzo[k]fluoranthene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 11:52	1
Anthracene	0.095	U	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 11:52	1
Chrysene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 11:52	1
Dibenz(a,h)anthracene	0.095	U	1.9	0.095	ug/L		03/12/13 11:22	03/14/13 11:52	1
Fluoranthene	**0.23**	**J**	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 11:52	1
Fluorene	**1.1**	**J**	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 11:52	1
Indeno[1,2,3-cd]pyrene	0.095	U	1.9	0.095	ug/L		03/12/13 11:22	03/14/13 11:52	1
Phenanthrene	**1.2**	**J**	1.9	0.095	ug/L		03/12/13 11:22	03/14/13 11:52	1
Pyrene	**0.16**	**J**	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 11:52	1
Acenaphthene	**0.36**	**J**	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 11:52	1
Acenaphthylene	**0.21**	**J**	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 11:52	1
Naphthalene	**4.6**	**J**	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 11:52	1
2-Methylnaphthalene	**1.8**	**J**	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 11:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	64		20 - 110	03/12/13 11:22	03/14/13 11:52	1
2-Fluorophenol (Surr)	57		10 - 110	03/12/13 11:22	03/14/13 11:52	1
2,4,6-Tribromophenol (Surr)	60		21 - 110	03/12/13 11:22	03/14/13 11:52	1
Nitrobenzene-d5 (Surr)	70		21 - 110	03/12/13 11:22	03/14/13 11:52	1
Phenol-d5 (Surr)	56		21 - 110	03/12/13 11:22	03/14/13 11:52	1
Terphenyl-d14 (Surr)	80		24 - 110	03/12/13 11:22	03/14/13 11:52	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054011.02

TestAmerica Job ID: 240-21836-1

Client Sample ID: MW-11R-13
Date Collected: 03/07/13 12:55
Date Received: 03/09/13 09:30

Lab Sample ID: 240-21836-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	14	U	130	14	ug/L			03/15/13 21:22	12.5
Benzene	**420**		13	1.6	ug/L			03/15/13 21:22	12.5
Bromodichloromethane	1.9	U	13	1.9	ug/L			03/15/13 21:22	12.5
Bromoform	8.0	U	13	8.0	ug/L			03/15/13 21:22	12.5
Bromomethane	5.1	U	13	5.1	ug/L			03/15/13 21:22	12.5
2-Butanone (MEK)	7.1	U	130	7.1	ug/L			03/15/13 21:22	12.5
Carbon disulfide	1.6	U	63	1.6	ug/L			03/15/13 21:22	12.5
Carbon tetrachloride	1.6	U	13	1.6	ug/L			03/15/13 21:22	12.5
Chlorobenzene	1.9	U	13	1.9	ug/L			03/15/13 21:22	12.5
Chloroethane	3.6	U	13	3.6	ug/L			03/15/13 21:22	12.5
Chloroform	2.0	U	13	2.0	ug/L			03/15/13 21:22	12.5
Chloromethane	3.8	U	13	3.8	ug/L			03/15/13 21:22	12.5
1,1-Dichloroethane	1.9	U	13	1.9	ug/L			03/15/13 21:22	12.5
1,2-Dichloroethane	2.8	U	13	2.8	ug/L			03/15/13 21:22	12.5
1,1-Dichloroethene	2.4	U	13	2.4	ug/L			03/15/13 21:22	12.5
1,2-Dichloropropane	2.3	U	13	2.3	ug/L			03/15/13 21:22	12.5
cis-1,3-Dichloropropene	1.8	U	13	1.8	ug/L			03/15/13 21:22	12.5
trans-1,3-Dichloropropene	2.4	U	13	2.4	ug/L			03/15/13 21:22	12.5
Ethylbenzene	2.1	U	13	2.1	ug/L			03/15/13 21:22	12.5
2-Hexanone	5.1	U	130	5.1	ug/L			03/15/13 21:22	12.5
Methylene Chloride	**20**	**J B**	63	4.1	ug/L			03/15/13 21:22	12.5
4-Methyl-2-pentanone (MIBK)	4.0	U	130	4.0	ug/L			03/15/13 21:22	12.5
Styrene	1.4	U	13	1.4	ug/L			03/15/13 21:22	12.5
1,1,2,2-Tetrachloroethane	2.3	U	13	2.3	ug/L			03/15/13 21:22	12.5
Tetrachloroethene	3.6	U	13	3.6	ug/L			03/15/13 21:22	12.5
Toluene	**4.1**	**J**	13	1.6	ug/L			03/15/13 21:22	12.5
Trichloroethene	2.1	U	13	2.1	ug/L			03/15/13 21:22	12.5
Vinyl chloride	2.8	U	13	2.8	ug/L			03/15/13 21:22	12.5
Xylenes, Total	**19**	**J**	25	3.5	ug/L			03/15/13 21:22	12.5
1,1,1-Trichloroethane	2.8	U	13	2.8	ug/L			03/15/13 21:22	12.5
1,1,2-Trichloroethane	3.4	U	13	3.4	ug/L			03/15/13 21:22	12.5
Cyclohexane	**38**		13	1.5	ug/L			03/15/13 21:22	12.5
1,2-Dibromo-3-Chloropropane	8.4	U	13	8.4	ug/L			03/15/13 21:22	12.5
1,2-Dibromoethane	3.0	U	13	3.0	ug/L			03/15/13 21:22	12.5
Dichlorodifluoromethane	3.9	U	13	3.9	ug/L			03/15/13 21:22	12.5
cis-1,2-Dichloroethene	2.1	U	13	2.1	ug/L			03/15/13 21:22	12.5
trans-1,2-Dichloroethene	2.4	U	13	2.4	ug/L			03/15/13 21:22	12.5
Isopropylbenzene	**24**		13	1.6	ug/L			03/15/13 21:22	12.5
Methyl acetate	4.8	U	130	4.8	ug/L			03/15/13 21:22	12.5
Methyl tert-butyl ether	2.1	U	13	2.1	ug/L			03/15/13 21:22	12.5
1,1,2-Trichloro-1,2,2-trifluoroethane	3.5	U	13	3.5	ug/L			03/15/13 21:22	12.5
1,2,4-Trichlorobenzene	1.9	U	13	1.9	ug/L			03/15/13 21:22	12.5
1,2-Dichlorobenzene	1.6	U	13	1.6	ug/L			03/15/13 21:22	12.5
1,3-Dichlorobenzene	1.8	U	13	1.8	ug/L			03/15/13 21:22	12.5
1,4-Dichlorobenzene	1.6	U	13	1.6	ug/L			03/15/13 21:22	12.5
Trichlorofluoromethane	2.6	U *	13	2.6	ug/L			03/15/13 21:22	12.5
Dibromochloromethane	2.3	U	13	2.3	ug/L			03/15/13 21:22	12.5
Methylcyclohexane	**12**	**J**	13	1.6	ug/L			03/15/13 21:22	12.5

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054011.02

TestAmerica Job ID: 240-21836-1

Client Sample ID: MW-11R-13
Date Collected: 03/07/13 12:55
Date Received: 03/09/13 09:30

Lab Sample ID: 240-21836-4
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		63 - 129		03/15/13 21:22	12.5
4-Bromofluorobenzene (Surr)	85		66 - 117		03/15/13 21:22	12.5
Toluene-d8 (Surr)	88		74 - 115		03/15/13 21:22	12.5
Dibromofluoromethane (Surr)	75		75 - 121		03/15/13 21:22	12.5

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 12:14	1
Benzo[a]pyrene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 12:14	1
Benzo[b]fluoranthene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 12:14	1
Benzo[g,h,i]perylene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 12:14	1
Benzo[k]fluoranthene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 12:14	1
Anthracene	0.095	U	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 12:14	1
Chrysene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 12:14	1
Dibenz(a,h)anthracene	0.095	U	1.9	0.095	ug/L		03/12/13 11:22	03/14/13 12:14	1
Fluoranthene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 12:14	1
Fluorene	0.095	U	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 12:14	1
Indeno[1,2,3-cd]pyrene	0.095	U	1.9	0.095	ug/L		03/12/13 11:22	03/14/13 12:14	1
Phenanthrene	0.095	U	1.9	0.095	ug/L		03/12/13 11:22	03/14/13 12:14	1
Pyrene	0.095	U	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 12:14	1
Acenaphthene	**0.60**	**J**	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 12:14	1
Acenaphthylene	0.095	U	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 12:14	1
Naphthalene	**48**		4.8	0.095	ug/L		03/12/13 11:22	03/14/13 12:14	1
2-Methylnaphthalene	**2.5**	**J**	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 12:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	67		20 - 110	03/12/13 11:22	03/14/13 12:14	1
2-Fluorophenol (Surr)	60		10 - 110	03/12/13 11:22	03/14/13 12:14	1
2,4,6-Tribromophenol (Surr)	65		21 - 110	03/12/13 11:22	03/14/13 12:14	1
Nitrobenzene-d5 (Surr)	72		21 - 110	03/12/13 11:22	03/14/13 12:14	1
Phenol-d5 (Surr)	60		21 - 110	03/12/13 11:22	03/14/13 12:14	1
Terphenyl-d14 (Surr)	81		24 - 110	03/12/13 11:22	03/14/13 12:14	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054011.02

TestAmerica Job ID: 240-21836-1

Client Sample ID: MW-3R-13
Date Collected: 03/07/13 14:15
Date Received: 03/09/13 09:30

Lab Sample ID: 240-21836-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.1	U	10	1.1	ug/L			03/15/13 21:45	1
Benzene	0.13	U	1.0	0.13	ug/L			03/15/13 21:45	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			03/15/13 21:45	1
Bromoform	0.64	U	1.0	0.64	ug/L			03/15/13 21:45	1
Bromomethane	0.41	U	1.0	0.41	ug/L			03/15/13 21:45	1
2-Butanone (MEK)	0.57	U	10	0.57	ug/L			03/15/13 21:45	1
Carbon disulfide	0.13	U	5.0	0.13	ug/L			03/15/13 21:45	1
Carbon tetrachloride	0.13	U	1.0	0.13	ug/L			03/15/13 21:45	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			03/15/13 21:45	1
Chloroethane	0.29	U	1.0	0.29	ug/L			03/15/13 21:45	1
Chloroform	0.16	U	1.0	0.16	ug/L			03/15/13 21:45	1
Chloromethane	0.30	U	1.0	0.30	ug/L			03/15/13 21:45	1
1,1-Dichloroethane	0.15	U	1.0	0.15	ug/L			03/15/13 21:45	1
1,2-Dichloroethane	0.22	U	1.0	0.22	ug/L			03/15/13 21:45	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			03/15/13 21:45	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			03/15/13 21:45	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			03/15/13 21:45	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			03/15/13 21:45	1
Ethylbenzene	0.17	U	1.0	0.17	ug/L			03/15/13 21:45	1
2-Hexanone	0.41	U	10	0.41	ug/L			03/15/13 21:45	1
Methylene Chloride	0.33	U	5.0	0.33	ug/L			03/15/13 21:45	1
4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32	ug/L			03/15/13 21:45	1
Styrene	0.11	U	1.0	0.11	ug/L			03/15/13 21:45	1
1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18	ug/L			03/15/13 21:45	1
Tetrachloroethene	0.29	U	1.0	0.29	ug/L			03/15/13 21:45	1
Toluene	0.13	U	1.0	0.13	ug/L			03/15/13 21:45	1
Trichloroethene	**0.47**	**J**	1.0	0.17	ug/L			03/15/13 21:45	1
Vinyl chloride	0.22	U	1.0	0.22	ug/L			03/15/13 21:45	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			03/15/13 21:45	1
1,1,1-Trichloroethane	0.22	U	1.0	0.22	ug/L			03/15/13 21:45	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			03/15/13 21:45	1
Cyclohexane	0.12	U	1.0	0.12	ug/L			03/15/13 21:45	1
1,2-Dibromo-3-Chloropropane	0.67	U	1.0	0.67	ug/L			03/15/13 21:45	1
1,2-Dibromoethane	0.24	U	1.0	0.24	ug/L			03/15/13 21:45	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			03/15/13 21:45	1
cis-1,2-Dichloroethene	0.17	U	1.0	0.17	ug/L			03/15/13 21:45	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			03/15/13 21:45	1
Isopropylbenzene	**0.18**	**J**	1.0	0.13	ug/L			03/15/13 21:45	1
Methyl acetate	0.38	U	10	0.38	ug/L			03/15/13 21:45	1
Methyl tert-butyl ether	0.17	U	1.0	0.17	ug/L			03/15/13 21:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.28	U	1.0	0.28	ug/L			03/15/13 21:45	1
1,2,4-Trichlorobenzene	0.15	U	1.0	0.15	ug/L			03/15/13 21:45	1
1,2-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			03/15/13 21:45	1
1,3-Dichlorobenzene	0.14	U	1.0	0.14	ug/L			03/15/13 21:45	1
1,4-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			03/15/13 21:45	1
Trichlorofluoromethane	0.21	U *	1.0	0.21	ug/L			03/15/13 21:45	1
Dibromochloromethane	0.18	U	1.0	0.18	ug/L			03/15/13 21:45	1
Methylcyclohexane	0.13	U	1.0	0.13	ug/L			03/15/13 21:45	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054011.02

TestAmerica Job ID: 240-21836-1

Client Sample ID: MW-3R-13
Date Collected: 03/07/13 14:15
Date Received: 03/09/13 09:30

Lab Sample ID: 240-21836-5
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		63 - 129		03/15/13 21:45	1
4-Bromofluorobenzene (Surr)	86		66 - 117		03/15/13 21:45	1
Toluene-d8 (Surr)	84		74 - 115		03/15/13 21:45	1
Dibromofluoromethane (Surr)	80		75 - 121		03/15/13 21:45	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 12:35	1
Benzo[a]pyrene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 12:35	1
Benzo[b]fluoranthene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 12:35	1
Benzo[g,h,i]perylene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 12:35	1
Benzo[k]fluoranthene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 12:35	1
Anthracene	0.095	U	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 12:35	1
Chrysene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 12:35	1
Dibenz(a,h)anthracene	0.095	U	1.9	0.095	ug/L		03/12/13 11:22	03/14/13 12:35	1
Fluoranthene	0.095	U	0.95	0.095	ug/L		03/12/13 11:22	03/14/13 12:35	1
Fluorene	**3.5**	**J**	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 12:35	1
Indeno[1,2,3-cd]pyrene	0.095	U	1.9	0.095	ug/L		03/12/13 11:22	03/14/13 12:35	1
Phenanthrene	**2.3**		1.9	0.095	ug/L		03/12/13 11:22	03/14/13 12:35	1
Pyrene	0.095	U	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 12:35	1
Acenaphthene	**2.7**	**J**	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 12:35	1
Acenaphthylene	**0.59**	**J**	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 12:35	1
Naphthalene	0.095	U	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 12:35	1
2-Methylnaphthalene	0.095	U	4.8	0.095	ug/L		03/12/13 11:22	03/14/13 12:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	66		20 - 110	03/12/13 11:22	03/14/13 12:35	1
2-Fluorophenol (Surr)	60		10 - 110	03/12/13 11:22	03/14/13 12:35	1
2,4,6-Tribromophenol (Surr)	64		21 - 110	03/12/13 11:22	03/14/13 12:35	1
Nitrobenzene-d5 (Surr)	72		21 - 110	03/12/13 11:22	03/14/13 12:35	1
Phenol-d5 (Surr)	61		21 - 110	03/12/13 11:22	03/14/13 12:35	1
Terphenyl-d14 (Surr)	84		24 - 110	03/12/13 11:22	03/14/13 12:35	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054011.02

TestAmerica Job ID: 240-21836-1

Client Sample ID: MW-13-13
Date Collected: 03/07/13 14:56
Date Received: 03/09/13 09:30

Lab Sample ID: 240-21836-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.3	U	67	7.3	ug/L			03/18/13 12:30	6.67
Benzene	0.87	U	6.7	0.87	ug/L			03/18/13 12:30	6.67
Bromodichloromethane	1.0	U	6.7	1.0	ug/L			03/18/13 12:30	6.67
Bromoform	4.3	U	6.7	4.3	ug/L			03/18/13 12:30	6.67
Bromomethane	2.7	U	6.7	2.7	ug/L			03/18/13 12:30	6.67
2-Butanone (MEK)	3.8	U	67	3.8	ug/L			03/18/13 12:30	6.67
Carbon disulfide	0.87	U	33	0.87	ug/L			03/18/13 12:30	6.67
Carbon tetrachloride	**1.6**	**J**	6.7	0.87	ug/L			03/18/13 12:30	6.67
Chlorobenzene	1.0	U	6.7	1.0	ug/L			03/18/13 12:30	6.67
Chloroethane	1.9	U	6.7	1.9	ug/L			03/18/13 12:30	6.67
Chloroform	**7.4**		6.7	1.1	ug/L			03/18/13 12:30	6.67
Chloromethane	2.0	U	6.7	2.0	ug/L			03/18/13 12:30	6.67
1,1-Dichloroethane	1.0	U	6.7	1.0	ug/L			03/18/13 12:30	6.67
1,2-Dichloroethane	1.5	U	6.7	1.5	ug/L			03/18/13 12:30	6.67
1,1-Dichloroethene	1.3	U	6.7	1.3	ug/L			03/18/13 12:30	6.67
1,2-Dichloropropane	1.2	U	6.7	1.2	ug/L			03/18/13 12:30	6.67
cis-1,3-Dichloropropene	0.93	U	6.7	0.93	ug/L			03/18/13 12:30	6.67
trans-1,3-Dichloropropene	1.3	U	6.7	1.3	ug/L			03/18/13 12:30	6.67
Ethylbenzene	1.1	U	6.7	1.1	ug/L			03/18/13 12:30	6.67
2-Hexanone	2.7	U	67	2.7	ug/L			03/18/13 12:30	6.67
Methylene Chloride	**3.5**	**J B**	33	2.2	ug/L			03/18/13 12:30	6.67
4-Methyl-2-pentanone (MIBK)	2.1	U	67	2.1	ug/L			03/18/13 12:30	6.67
Styrene	0.73	U	6.7	0.73	ug/L			03/18/13 12:30	6.67
1,1,2,2-Tetrachloroethane	1.2	U	6.7	1.2	ug/L			03/18/13 12:30	6.67
Tetrachloroethene	1.9	U	6.7	1.9	ug/L			03/18/13 12:30	6.67
Toluene	0.87	U	6.7	0.87	ug/L			03/18/13 12:30	6.67
Trichloroethene	**190**		6.7	1.1	ug/L			03/18/13 12:30	6.67
Vinyl chloride	1.5	U	6.7	1.5	ug/L			03/18/13 12:30	6.67
Xylenes, Total	1.9	U	13	1.9	ug/L			03/18/13 12:30	6.67
1,1,1-Trichloroethane	**8.3**		6.7	1.5	ug/L			03/18/13 12:30	6.67
1,1,2-Trichloroethane	1.8	U	6.7	1.8	ug/L			03/18/13 12:30	6.67
Cyclohexane	0.80	U	6.7	0.80	ug/L			03/18/13 12:30	6.67
1,2-Dibromo-3-Chloropropane	4.5	U	6.7	4.5	ug/L			03/18/13 12:30	6.67
1,2-Dibromoethane	1.6	U	6.7	1.6	ug/L			03/18/13 12:30	6.67
Dichlorodifluoromethane	2.1	U	6.7	2.1	ug/L			03/18/13 12:30	6.67
cis-1,2-Dichloroethene	1.1	U	6.7	1.1	ug/L			03/18/13 12:30	6.67
trans-1,2-Dichloroethene	1.3	U	6.7	1.3	ug/L			03/18/13 12:30	6.67
Isopropylbenzene	0.87	U	6.7	0.87	ug/L			03/18/13 12:30	6.67
Methyl acetate	2.5	U	67	2.5	ug/L			03/18/13 12:30	6.67
Methyl tert-butyl ether	1.1	U	6.7	1.1	ug/L			03/18/13 12:30	6.67
1,1,2-Trichloro-1,2,2-trifluoroethane	1.9	U	6.7	1.9	ug/L			03/18/13 12:30	6.67
1,2,4-Trichlorobenzene	1.0	U	6.7	1.0	ug/L			03/18/13 12:30	6.67
1,2-Dichlorobenzene	0.87	U	6.7	0.87	ug/L			03/18/13 12:30	6.67
1,3-Dichlorobenzene	0.93	U	6.7	0.93	ug/L			03/18/13 12:30	6.67
1,4-Dichlorobenzene	0.87	U	6.7	0.87	ug/L			03/18/13 12:30	6.67
Trichlorofluoromethane	1.4	U *	6.7	1.4	ug/L			03/18/13 12:30	6.67
Dibromochloromethane	1.2	U	6.7	1.2	ug/L			03/18/13 12:30	6.67
Methylcyclohexane	0.87	U	6.7	0.87	ug/L			03/18/13 12:30	6.67

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054011.02

TestAmerica Job ID: 240-21836-1

Client Sample ID: MW-13-13
Date Collected: 03/07/13 14:56
Date Received: 03/09/13 09:30

Lab Sample ID: 240-21836-6
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		63 - 129		03/18/13 12:30	6.67
4-Bromofluorobenzene (Surr)	84		66 - 117		03/18/13 12:30	6.67
Toluene-d8 (Surr)	89		74 - 115		03/18/13 12:30	6.67
Dibromofluoromethane (Surr)	84		75 - 121		03/18/13 12:30	6.67

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054011.02

TestAmerica Job ID: 240-21836-1

Client Sample ID: TRIP BLANK
Date Collected: 03/07/13 00:00
Date Received: 03/09/13 09:30

Lab Sample ID: 240-21836-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**6.6**	**J**	10	1.1	ug/L			03/15/13 22:30	1
Benzene	0.13	U	1.0	0.13	ug/L			03/15/13 22:30	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			03/15/13 22:30	1
Bromoform	0.64	U	1.0	0.64	ug/L			03/15/13 22:30	1
Bromomethane	0.41	U	1.0	0.41	ug/L			03/15/13 22:30	1
2-Butanone (MEK)	0.57	U	10	0.57	ug/L			03/15/13 22:30	1
Carbon disulfide	0.13	U	5.0	0.13	ug/L			03/15/13 22:30	1
Carbon tetrachloride	0.13	U	1.0	0.13	ug/L			03/15/13 22:30	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			03/15/13 22:30	1
Chloroethane	0.29	U	1.0	0.29	ug/L			03/15/13 22:30	1
Chloroform	0.16	U	1.0	0.16	ug/L			03/15/13 22:30	1
Chloromethane	0.30	U	1.0	0.30	ug/L			03/15/13 22:30	1
1,1-Dichloroethane	0.15	U	1.0	0.15	ug/L			03/15/13 22:30	1
1,2-Dichloroethane	0.22	U	1.0	0.22	ug/L			03/15/13 22:30	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			03/15/13 22:30	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			03/15/13 22:30	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			03/15/13 22:30	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			03/15/13 22:30	1
Ethylbenzene	0.17	U	1.0	0.17	ug/L			03/15/13 22:30	1
2-Hexanone	0.41	U	10	0.41	ug/L			03/15/13 22:30	1
Methylene Chloride	**0.67**	**J B**	5.0	0.33	ug/L			03/15/13 22:30	1
4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32	ug/L			03/15/13 22:30	1
Styrene	0.11	U	1.0	0.11	ug/L			03/15/13 22:30	1
1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18	ug/L			03/15/13 22:30	1
Tetrachloroethene	0.29	U	1.0	0.29	ug/L			03/15/13 22:30	1
Toluene	0.13	U	1.0	0.13	ug/L			03/15/13 22:30	1
Trichloroethene	0.17	U	1.0	0.17	ug/L			03/15/13 22:30	1
Vinyl chloride	0.22	U	1.0	0.22	ug/L			03/15/13 22:30	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			03/15/13 22:30	1
1,1,1-Trichloroethane	0.22	U	1.0	0.22	ug/L			03/15/13 22:30	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			03/15/13 22:30	1
Cyclohexane	0.12	U	1.0	0.12	ug/L			03/15/13 22:30	1
1,2-Dibromo-3-Chloropropane	0.67	U	1.0	0.67	ug/L			03/15/13 22:30	1
1,2-Dibromoethane	0.24	U	1.0	0.24	ug/L			03/15/13 22:30	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			03/15/13 22:30	1
cis-1,2-Dichloroethene	0.17	U	1.0	0.17	ug/L			03/15/13 22:30	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			03/15/13 22:30	1
Isopropylbenzene	0.13	U	1.0	0.13	ug/L			03/15/13 22:30	1
Methyl acetate	0.38	U	10	0.38	ug/L			03/15/13 22:30	1
Methyl tert-butyl ether	0.17	U	1.0	0.17	ug/L			03/15/13 22:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.28	U	1.0	0.28	ug/L			03/15/13 22:30	1
1,2,4-Trichlorobenzene	0.15	U	1.0	0.15	ug/L			03/15/13 22:30	1
1,2-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			03/15/13 22:30	1
1,3-Dichlorobenzene	0.14	U	1.0	0.14	ug/L			03/15/13 22:30	1
1,4-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			03/15/13 22:30	1
Trichlorofluoromethane	0.21	U *	1.0	0.21	ug/L			03/15/13 22:30	1
Dibromochloromethane	0.18	U	1.0	0.18	ug/L			03/15/13 22:30	1
Methylcyclohexane	0.13	U	1.0	0.13	ug/L			03/15/13 22:30	1

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054011.02

TestAmerica Job ID: 240-21836-1

Client Sample ID: TRIP BLANK
Date Collected: 03/07/13 00:00
Date Received: 03/09/13 09:30

Lab Sample ID: 240-21836-7
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	85		63 - 129		03/15/13 22:30	1
4-Bromofluorobenzene (Surr)	83		66 - 117		03/15/13 22:30	1
Toluene-d8 (Surr)	86		74 - 115		03/15/13 22:30	1
Dibromofluoromethane (Surr)	79		75 - 121		03/15/13 22:30	1

Surrogate Summary

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054011.02

TestAmerica Job ID: 240-21836-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		12DCE	BFB	TOL	DBFM				
Lab Sample ID	Client Sample ID	(63-129)	(66-117)	(74-115)	(75-121)				
240-21836-1	MW-6R-13	84	99	98	76				
240-21836-3	MW-1R-13	84	88	90	81				
240-21836-4	MW-11R-13	82	85	88	75				
240-21836-5	MW-3R-13	86	86	84	80				
240-21836-6	MW-13-13	87	84	89	84				
240-21836-6 MS	MW-13-13	89	94	93	88				
240-21836-6 MSD	MW-13-13	85	90	88	83				
240-21836-7	TRIP BLANK	85	83	86	79				
LCS 240-78499/4	Lab Control Sample	84	90	89	83				
LCS 240-78611/4	Lab Control Sample	81	89	88	82				
MB 240-78499/5	Method Blank	86	80	85	77				
MB 240-78611/5	Method Blank	89	85	87	83				

Surrogate Legend

12DCE = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		FBP	2FP	TBP	NBZ	PHL	TPH		
Lab Sample ID	Client Sample ID	(20-110)	(10-110)	(21-110)	(21-110)	(21-110)	(24-110)		
240-21836-1	MW-6R-13	61	53	58	68	53	77		
240-21836-3	MW-1R-13	64	57	60	70	56	80		
240-21836-4	MW-11R-13	67	60	65	72	60	81		
240-21836-5	MW-3R-13	66	60	64	72	61	84		
LCS 240-78024/12-A	Lab Control Sample	71	61	61	76	61	78		
MB 240-78024/11-A	Method Blank	68	60	57	73	59	88		

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
TBP = 2,4,6-Tribromophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPH = Terphenyl-d14 (Surr)

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054011.02

TestAmerica Job ID: 240-21836-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-78499/5
Matrix: Water
Analysis Batch: 78499

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.1	U	10	1.1	ug/L			03/15/13 15:06	1
Benzene	0.13	U	1.0	0.13	ug/L			03/15/13 15:06	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			03/15/13 15:06	1
Bromoform	0.64	U	1.0	0.64	ug/L			03/15/13 15:06	1
Bromomethane	0.41	U	1.0	0.41	ug/L			03/15/13 15:06	1
2-Butanone (MEK)	0.57	U	10	0.57	ug/L			03/15/13 15:06	1
Carbon disulfide	0.13	U	5.0	0.13	ug/L			03/15/13 15:06	1
Carbon tetrachloride	0.13	U	1.0	0.13	ug/L			03/15/13 15:06	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			03/15/13 15:06	1
Chloroethane	0.29	U	1.0	0.29	ug/L			03/15/13 15:06	1
Chloroform	0.16	U	1.0	0.16	ug/L			03/15/13 15:06	1
Chloromethane	0.30	U	1.0	0.30	ug/L			03/15/13 15:06	1
1,1-Dichloroethane	0.15	U	1.0	0.15	ug/L			03/15/13 15:06	1
1,2-Dichloroethane	0.22	U	1.0	0.22	ug/L			03/15/13 15:06	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			03/15/13 15:06	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			03/15/13 15:06	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			03/15/13 15:06	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			03/15/13 15:06	1
Ethylbenzene	0.17	U	1.0	0.17	ug/L			03/15/13 15:06	1
2-Hexanone	0.41	U	10	0.41	ug/L			03/15/13 15:06	1
Methylene Chloride	1.29	J	5.0	0.33	ug/L			03/15/13 15:06	1
4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32	ug/L			03/15/13 15:06	1
Styrene	0.11	U	1.0	0.11	ug/L			03/15/13 15:06	1
1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18	ug/L			03/15/13 15:06	1
Tetrachloroethene	0.29	U	1.0	0.29	ug/L			03/15/13 15:06	1
Toluene	0.13	U	1.0	0.13	ug/L			03/15/13 15:06	1
Trichloroethene	0.17	U	1.0	0.17	ug/L			03/15/13 15:06	1
Vinyl chloride	0.22	U	1.0	0.22	ug/L			03/15/13 15:06	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			03/15/13 15:06	1
1,1,1-Trichloroethane	0.22	U	1.0	0.22	ug/L			03/15/13 15:06	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			03/15/13 15:06	1
Cyclohexane	0.12	U	1.0	0.12	ug/L			03/15/13 15:06	1
1,2-Dibromo-3-Chloropropane	0.67	U	1.0	0.67	ug/L			03/15/13 15:06	1
1,2-Dibromoethane	0.24	U	1.0	0.24	ug/L			03/15/13 15:06	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			03/15/13 15:06	1
cis-1,2-Dichloroethene	0.17	U	1.0	0.17	ug/L			03/15/13 15:06	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			03/15/13 15:06	1
Isopropylbenzene	0.13	U	1.0	0.13	ug/L			03/15/13 15:06	1
Methyl acetate	0.38	U	10	0.38	ug/L			03/15/13 15:06	1
Methyl tert-butyl ether	0.17	U	1.0	0.17	ug/L			03/15/13 15:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.28	U	1.0	0.28	ug/L			03/15/13 15:06	1
1,2,4-Trichlorobenzene	0.311	J	1.0	0.15	ug/L			03/15/13 15:06	1
1,2-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			03/15/13 15:06	1
1,3-Dichlorobenzene	0.14	U	1.0	0.14	ug/L			03/15/13 15:06	1
1,4-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			03/15/13 15:06	1
Trichlorofluoromethane	0.21	U	1.0	0.21	ug/L			03/15/13 15:06	1
Dibromochloromethane	0.18	U	1.0	0.18	ug/L			03/15/13 15:06	1
Methylcyclohexane	0.13	U	1.0	0.13	ug/L			03/15/13 15:06	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-78499/5
Matrix: Water
Analysis Batch: 78499

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	86		63 - 129		03/15/13 15:06	1
4-Bromofluorobenzene (Surr)	80		66 - 117		03/15/13 15:06	1
Toluene-d8 (Surr)	85		74 - 115		03/15/13 15:06	1
Dibromofluoromethane (Surr)	77		75 - 121		03/15/13 15:06	1

Lab Sample ID: LCS 240-78499/4
Matrix: Water
Analysis Batch: 78499

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	16.3		ug/L		81	43 - 136
Benzene	10.0	9.11		ug/L		91	83 - 112
Bromodichloromethane	10.0	8.73		ug/L		87	72 - 121
Bromoform	10.0	8.33		ug/L		83	40 - 131
Bromomethane	10.0	7.60		ug/L		76	11 - 185
2-Butanone (MEK)	20.0	17.4		ug/L		87	60 - 126
Carbon disulfide	10.0	8.03		ug/L		80	62 - 142
Carbon tetrachloride	10.0	7.96		ug/L		80	66 - 128
Chlorobenzene	10.0	9.27		ug/L		93	85 - 110
Chloroethane	10.0	6.87		ug/L		69	25 - 153
Chloroform	10.0	8.65		ug/L		87	79 - 117
Chloromethane	10.0	9.01		ug/L		90	44 - 126
1,1-Dichloroethane	10.0	8.65		ug/L		87	82 - 115
1,2-Dichloroethane	10.0	9.23		ug/L		92	71 - 127
1,1-Dichloroethene	10.0	9.16		ug/L		92	78 - 131
1,2-Dichloropropane	10.0	9.31		ug/L		93	81 - 115
cis-1,3-Dichloropropene	10.0	8.06		ug/L		81	61 - 115
trans-1,3-Dichloropropene	10.0	7.99		ug/L		80	58 - 117
Ethylbenzene	10.0	9.49		ug/L		95	83 - 112
2-Hexanone	20.0	19.4		ug/L		97	55 - 133
Methylene Chloride	10.0	9.16		ug/L		92	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	18.3		ug/L		91	63 - 128
Styrene	10.0	8.56		ug/L		86	79 - 114
1,1,2,2-Tetrachloroethane	10.0	8.99		ug/L		90	68 - 118
Tetrachloroethene	10.0	9.31		ug/L		93	79 - 114
Toluene	10.0	9.20		ug/L		92	84 - 111
Trichloroethene	10.0	9.41		ug/L		94	76 - 117
Vinyl chloride	10.0	8.10		ug/L		81	53 - 127
Xylenes, Total	30.0	28.5		ug/L		95	83 - 112
1,1,1-Trichloroethane	10.0	7.39		ug/L		74	74 - 118
1,1,2-Trichloroethane	10.0	9.56		ug/L		96	80 - 112
Cyclohexane	10.0	8.55		ug/L		86	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	7.97		ug/L		80	42 - 136
1,2-Dibromoethane	10.0	9.24		ug/L		92	79 - 113
Dichlorodifluoromethane	10.0	12.5		ug/L		125	19 - 129
cis-1,2-Dichloroethene	10.0	8.78		ug/L		88	80 - 113
trans-1,2-Dichloroethene	10.0	8.57		ug/L		86	83 - 117
Isopropylbenzene	10.0	9.25		ug/L		93	75 - 114

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-78499/4
Matrix: Water
Analysis Batch: 78499

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl acetate	10.0	8.64	J	ug/L		86	58 - 131
Methyl tert-butyl ether	10.0	7.93		ug/L		79	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	13.0		ug/L		130	74 - 151
1,2,4-Trichlorobenzene	10.0	9.67		ug/L		97	48 - 135
1,2-Dichlorobenzene	10.0	9.71		ug/L		97	81 - 110
1,3-Dichlorobenzene	10.0	9.55		ug/L		96	80 - 110
1,4-Dichlorobenzene	10.0	9.29		ug/L		93	82 - 110
Trichlorofluoromethane	10.0	19.3	*	ug/L		193	49 - 157
Dibromochloromethane	10.0	8.78		ug/L		88	64 - 119
Methylcyclohexane	10.0	8.84		ug/L		88	56 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*84*		*63 - 129*
4-Bromofluorobenzene (Surr)	*90*		*66 - 117*
Toluene-d8 (Surr)	*89*		*74 - 115*
Dibromofluoromethane (Surr)	*83*		*75 - 121*

Lab Sample ID: MB 240-78611/5
Matrix: Water
Analysis Batch: 78611

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	1.1	U	10	1.1	ug/L			03/18/13 11:49	1
Benzene	0.13	U	1.0	0.13	ug/L			03/18/13 11:49	1
Bromodichloromethane	0.15	U	1.0	0.15	ug/L			03/18/13 11:49	1
Bromoform	0.64	U	1.0	0.64	ug/L			03/18/13 11:49	1
Bromomethane	0.41	U	1.0	0.41	ug/L			03/18/13 11:49	1
2-Butanone (MEK)	0.57	U	10	0.57	ug/L			03/18/13 11:49	1
Carbon disulfide	0.13	U	5.0	0.13	ug/L			03/18/13 11:49	1
Carbon tetrachloride	0.13	U	1.0	0.13	ug/L			03/18/13 11:49	1
Chlorobenzene	0.15	U	1.0	0.15	ug/L			03/18/13 11:49	1
Chloroethane	0.29	U	1.0	0.29	ug/L			03/18/13 11:49	1
Chloroform	0.16	U	1.0	0.16	ug/L			03/18/13 11:49	1
Chloromethane	0.30	U	1.0	0.30	ug/L			03/18/13 11:49	1
1,1-Dichloroethane	0.15	U	1.0	0.15	ug/L			03/18/13 11:49	1
1,2-Dichloroethane	0.22	U	1.0	0.22	ug/L			03/18/13 11:49	1
1,1-Dichloroethene	0.19	U	1.0	0.19	ug/L			03/18/13 11:49	1
1,2-Dichloropropane	0.18	U	1.0	0.18	ug/L			03/18/13 11:49	1
cis-1,3-Dichloropropene	0.14	U	1.0	0.14	ug/L			03/18/13 11:49	1
trans-1,3-Dichloropropene	0.19	U	1.0	0.19	ug/L			03/18/13 11:49	1
Ethylbenzene	0.17	U	1.0	0.17	ug/L			03/18/13 11:49	1
2-Hexanone	0.41	U	10	0.41	ug/L			03/18/13 11:49	1
Methylene Chloride	0.528	J	5.0	0.33	ug/L			03/18/13 11:49	1
4-Methyl-2-pentanone (MIBK)	0.32	U	10	0.32	ug/L			03/18/13 11:49	1
Styrene	0.11	U	1.0	0.11	ug/L			03/18/13 11:49	1
1,1,2,2-Tetrachloroethane	0.18	U	1.0	0.18	ug/L			03/18/13 11:49	1
Tetrachloroethene	0.29	U	1.0	0.29	ug/L			03/18/13 11:49	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-78611/5
Matrix: Water
Analysis Batch: 78611

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	0.13	U	1.0	0.13	ug/L			03/18/13 11:49	1
Trichloroethene	0.17	U	1.0	0.17	ug/L			03/18/13 11:49	1
Vinyl chloride	0.22	U	1.0	0.22	ug/L			03/18/13 11:49	1
Xylenes, Total	0.28	U	2.0	0.28	ug/L			03/18/13 11:49	1
1,1,1-Trichloroethane	0.22	U	1.0	0.22	ug/L			03/18/13 11:49	1
1,1,2-Trichloroethane	0.27	U	1.0	0.27	ug/L			03/18/13 11:49	1
Cyclohexane	0.12	U	1.0	0.12	ug/L			03/18/13 11:49	1
1,2-Dibromo-3-Chloropropane	0.67	U	1.0	0.67	ug/L			03/18/13 11:49	1
1,2-Dibromoethane	0.24	U	1.0	0.24	ug/L			03/18/13 11:49	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			03/18/13 11:49	1
cis-1,2-Dichloroethene	0.17	U	1.0	0.17	ug/L			03/18/13 11:49	1
trans-1,2-Dichloroethene	0.19	U	1.0	0.19	ug/L			03/18/13 11:49	1
Isopropylbenzene	0.13	U	1.0	0.13	ug/L			03/18/13 11:49	1
Methyl acetate	0.38	U	10	0.38	ug/L			03/18/13 11:49	1
Methyl tert-butyl ether	0.17	U	1.0	0.17	ug/L			03/18/13 11:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.28	U	1.0	0.28	ug/L			03/18/13 11:49	1
1,2,4-Trichlorobenzene	0.306	J	1.0	0.15	ug/L			03/18/13 11:49	1
1,2-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			03/18/13 11:49	1
1,3-Dichlorobenzene	0.14	U	1.0	0.14	ug/L			03/18/13 11:49	1
1,4-Dichlorobenzene	0.13	U	1.0	0.13	ug/L			03/18/13 11:49	1
Trichlorofluoromethane	0.21	U	1.0	0.21	ug/L			03/18/13 11:49	1
Dibromochloromethane	0.18	U	1.0	0.18	ug/L			03/18/13 11:49	1
Methylcyclohexane	0.13	U	1.0	0.13	ug/L			03/18/13 11:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*63 - 129*		*03/18/13 11:49*	*1*
4-Bromofluorobenzene (Surr)	*85*		*66 - 117*		*03/18/13 11:49*	*1*
Toluene-d8 (Surr)	*87*		*74 - 115*		*03/18/13 11:49*	*1*
Dibromofluoromethane (Surr)	*83*		*75 - 121*		*03/18/13 11:49*	*1*

Lab Sample ID: LCS 240-78611/4
Matrix: Water
Analysis Batch: 78611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	14.7		ug/L		74	43 - 136
Benzene	10.0	9.37		ug/L		94	83 - 112
Bromodichloromethane	10.0	9.61		ug/L		96	72 - 121
Bromoform	10.0	9.21		ug/L		92	40 - 131
Bromomethane	10.0	8.43		ug/L		84	11 - 185
2-Butanone (MEK)	20.0	16.9		ug/L		85	60 - 126
Carbon disulfide	10.0	9.11		ug/L		91	62 - 142
Carbon tetrachloride	10.0	8.59		ug/L		86	66 - 128
Chlorobenzene	10.0	9.81		ug/L		98	85 - 110
Chloroethane	10.0	7.55		ug/L		75	25 - 153
Chloroform	10.0	8.89		ug/L		89	79 - 117
Chloromethane	10.0	10.1		ug/L		101	44 - 126
1,1-Dichloroethane	10.0	8.97		ug/L		90	82 - 115

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 240-78611/4
Matrix: Water
Analysis Batch: 78611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	10.0	9.38		ug/L		94	71 - 127
1,1-Dichloroethene	10.0	8.97		ug/L		90	78 - 131
1,2-Dichloropropane	10.0	9.83		ug/L		98	81 - 115
cis-1,3-Dichloropropene	10.0	8.73		ug/L		87	61 - 115
trans-1,3-Dichloropropene	10.0	8.31		ug/L		83	58 - 117
Ethylbenzene	10.0	9.75		ug/L		97	83 - 112
2-Hexanone	20.0	18.4		ug/L		92	55 - 133
Methylene Chloride	10.0	8.67		ug/L		87	66 - 131
4-Methyl-2-pentanone (MIBK)	20.0	18.5		ug/L		92	63 - 128
Styrene	10.0	8.95		ug/L		89	79 - 114
1,1,2,2-Tetrachloroethane	10.0	8.62		ug/L		86	68 - 118
Tetrachloroethene	10.0	9.62		ug/L		96	79 - 114
Toluene	10.0	9.31		ug/L		93	84 - 111
Trichloroethene	10.0	9.65		ug/L		97	76 - 117
Vinyl chloride	10.0	9.18		ug/L		92	53 - 127
Xylenes, Total	30.0	29.5		ug/L		98	83 - 112
1,1,1-Trichloroethane	10.0	8.14		ug/L		81	74 - 118
1,1,2-Trichloroethane	10.0	9.77		ug/L		98	80 - 112
Cyclohexane	10.0	8.63		ug/L		86	54 - 121
1,2-Dibromo-3-Chloropropane	10.0	8.41		ug/L		84	42 - 136
1,2-Dibromoethane	10.0	9.48		ug/L		95	79 - 113
Dichlorodifluoromethane	10.0	12.9		ug/L		129	19 - 129
cis-1,2-Dichloroethene	10.0	9.00		ug/L		90	80 - 113
trans-1,2-Dichloroethene	10.0	8.97		ug/L		90	83 - 117
Isopropylbenzene	10.0	9.44		ug/L		94	75 - 114
Methyl acetate	10.0	8.39	J	ug/L		84	58 - 131
Methyl tert-butyl ether	10.0	8.16		ug/L		82	52 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	10.0	12.1		ug/L		121	74 - 151
1,2,4-Trichlorobenzene	10.0	10.0		ug/L		100	48 - 135
1,2-Dichlorobenzene	10.0	9.93		ug/L		99	81 - 110
1,3-Dichlorobenzene	10.0	9.75		ug/L		97	80 - 110
1,4-Dichlorobenzene	10.0	9.70		ug/L		97	82 - 110
Trichlorofluoromethane	10.0	15.8	*	ug/L		158	49 - 157
Dibromochloromethane	10.0	9.50		ug/L		95	64 - 119
Methylcyclohexane	10.0	8.78		ug/L		88	56 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*81*		*63 - 129*
4-Bromofluorobenzene (Surr)	*89*		*66 - 117*
Toluene-d8 (Surr)	*88*		*74 - 115*
Dibromofluoromethane (Surr)	*82*		*75 - 121*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-21836-6 MS
Matrix: Water
Analysis Batch: 78611

Client Sample ID: MW-13-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	7.3	U	133	113		ug/L		85	33 - 145
Benzene	0.87	U	66.7	70.3		ug/L		105	72 - 121
Bromodichloromethane	1.0	U	66.7	70.0		ug/L		105	67 - 120
Bromoform	4.3	U	66.7	61.9		ug/L		93	32 - 128
Bromomethane	2.7	U	66.7	49.9		ug/L		75	10 - 186
2-Butanone (MEK)	3.8	U	133	125		ug/L		93	54 - 129
Carbon disulfide	0.87	U	66.7	63.6		ug/L		95	57 - 147
Carbon tetrachloride	1.6	J	66.7	63.6		ug/L		93	59 - 129
Chlorobenzene	1.0	U	66.7	69.3		ug/L		104	80 - 110
Chloroethane	1.9	U	66.7	52.7		ug/L		79	21 - 165
Chloroform	7.4		66.7	76.7		ug/L		104	76 - 118
Chloromethane	2.0	U	66.7	77.3		ug/L		116	33 - 132
1,1-Dichloroethane	1.0	U	66.7	65.8		ug/L		99	79 - 116
1,2-Dichloroethane	1.5	U	66.7	72.3		ug/L		108	68 - 129
1,1-Dichloroethene	1.3	U	66.7	65.8		ug/L		99	74 - 135
1,2-Dichloropropane	1.2	U	66.7	72.2		ug/L		108	78 - 115
cis-1,3-Dichloropropene	0.93	U	66.7	57.6		ug/L		86	51 - 110
trans-1,3-Dichloropropene	1.3	U	66.7	57.7		ug/L		86	46 - 116
Ethylbenzene	1.1	U	66.7	67.2		ug/L		101	75 - 116
2-Hexanone	2.7	U	133	133		ug/L		99	47 - 139
Methylene Chloride	3.5	J B	66.7	64.4		ug/L		91	63 - 128
4-Methyl-2-pentanone (MIBK)	2.1	U	133	124		ug/L		93	56 - 131
Styrene	0.73	U	66.7	64.2		ug/L		96	71 - 117
1,1,2,2-Tetrachloroethane	1.2	U	66.7	64.1		ug/L		96	63 - 122
Tetrachloroethene	1.9	U	66.7	66.4		ug/L		100	70 - 117
Toluene	0.87	U	66.7	68.4		ug/L		103	78 - 114
Trichloroethene	190		66.7	264		ug/L		108	66 - 120
Vinyl chloride	1.5	U	66.7	56.4		ug/L		85	49 - 130
Xylenes, Total	1.9	U	200	208		ug/L		104	76 - 116
1,1,1-Trichloroethane	8.3		66.7	65.7		ug/L		86	68 - 121
1,1,2-Trichloroethane	1.8	U	66.7	73.0		ug/L		110	75 - 115
Cyclohexane	0.80	U	66.7	52.2		ug/L		78	49 - 123
1,2-Dibromo-3-Chloropropane	4.5	U	66.7	56.3		ug/L		84	32 - 139
1,2-Dibromoethane	1.6	U	66.7	68.0		ug/L		102	74 - 113
Dichlorodifluoromethane	2.1	U	66.7	80.4		ug/L		121	17 - 128
cis-1,2-Dichloroethene	1.1	U	66.7	65.2		ug/L		98	70 - 120
trans-1,2-Dichloroethene	1.3	U	66.7	64.9		ug/L		97	80 - 119
Isopropylbenzene	0.87	U	66.7	63.9		ug/L		96	68 - 116
Methyl acetate	2.5	U	66.7	60.8	J	ug/L		91	47 - 130
Methyl tert-butyl ether	1.1	U	66.7	55.3		ug/L		83	46 - 144
1,1,2-Trichloro-1,2,2-trifluoroethane	1.9	U	66.7	78.4		ug/L		118	70 - 152
1,2,4-Trichlorobenzene	1.0	U	66.7	64.3		ug/L		96	38 - 138
1,2-Dichlorobenzene	0.87	U	66.7	69.3		ug/L		104	75 - 111
1,3-Dichlorobenzene	0.93	U	66.7	67.4		ug/L		101	73 - 110
1,4-Dichlorobenzene	0.87	U	66.7	65.3		ug/L		98	75 - 110
Trichlorofluoromethane	1.4	U *	66.7	126	F	ug/L		190	46 - 157
Dibromochloromethane	1.2	U	66.7	65.2		ug/L		98	56 - 118

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-21836-6 MS
Matrix: Water
Analysis Batch: 78611

Client Sample ID: MW-13-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylcyclohexane	0.87	U	66.7	51.3		ug/L		77	49 - 127

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*63 - 129*
4-Bromofluorobenzene (Surr)	*94*		*66 - 117*
Toluene-d8 (Surr)	*93*		*74 - 115*
Dibromofluoromethane (Surr)	*88*		*75 - 121*

Lab Sample ID: 240-21836-6 MSD
Matrix: Water
Analysis Batch: 78611

Client Sample ID: MW-13-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	7.3	U	133	107		ug/L		80	33 - 145	5	30
Benzene	0.87	U	66.7	68.8		ug/L		103	72 - 121	2	30
Bromodichloromethane	1.0	U	66.7	67.5		ug/L		101	67 - 120	4	30
Bromoform	4.3	U	66.7	60.1		ug/L		90	32 - 128	3	30
Bromomethane	2.7	U	66.7	48.8		ug/L		73	10 - 186	2	30
2-Butanone (MEK)	3.8	U	133	123		ug/L		92	54 - 129	1	30
Carbon disulfide	0.87	U	66.7	62.3		ug/L		93	57 - 147	2	30
Carbon tetrachloride	1.6	J	66.7	57.3		ug/L		84	59 - 129	10	30
Chlorobenzene	1.0	U	66.7	67.0		ug/L		100	80 - 110	3	30
Chloroethane	1.9	U	66.7	47.0		ug/L		70	21 - 165	11	30
Chloroform	7.4		66.7	73.3		ug/L		99	76 - 118	5	30
Chloromethane	2.0	U	66.7	75.7		ug/L		114	33 - 132	2	30
1,1-Dichloroethane	1.0	U	66.7	64.2		ug/L		96	79 - 116	2	30
1,2-Dichloroethane	1.5	U	66.7	70.5		ug/L		106	68 - 129	3	30
1,1-Dichloroethene	1.3	U	66.7	65.4		ug/L		98	74 - 135	1	30
1,2-Dichloropropane	1.2	U	66.7	70.5		ug/L		106	78 - 115	2	30
cis-1,3-Dichloropropene	0.93	U	66.7	57.5		ug/L		86	51 - 110	0	30
trans-1,3-Dichloropropene	1.3	U	66.7	56.1		ug/L		84	46 - 116	3	30
Ethylbenzene	1.1	U	66.7	66.9		ug/L		100	75 - 116	1	30
2-Hexanone	2.7	U	133	133		ug/L		100	47 - 139	0	30
Methylene Chloride	3.5	J B	66.7	62.8		ug/L		89	63 - 128	2	30
4-Methyl-2-pentanone (MIBK)	2.1	U	133	124		ug/L		93	56 - 131	0	30
Styrene	0.73	U	66.7	63.2		ug/L		95	71 - 117	2	30
1,1,2,2-Tetrachloroethane	1.2	U	66.7	62.3		ug/L		93	63 - 122	3	30
Tetrachloroethene	1.9	U	66.7	65.8		ug/L		99	70 - 117	1	30
Toluene	0.87	U	66.7	65.7		ug/L		98	78 - 114	4	30
Trichloroethene	190		66.7	248		ug/L		84	66 - 120	6	30
Vinyl chloride	1.5	U	66.7	59.7		ug/L		90	49 - 130	6	30
Xylenes, Total	1.9	U	200	204		ug/L		102	76 - 116	2	30
1,1,1-Trichloroethane	8.3		66.7	62.8		ug/L		82	68 - 121	5	30
1,1,2-Trichloroethane	1.8	U	66.7	70.2		ug/L		105	75 - 115	4	30
Cyclohexane	0.80	U	66.7	52.7		ug/L		79	49 - 123	1	30
1,2-Dibromo-3-Chloropropane	4.5	U	66.7	55.2		ug/L		83	32 - 139	2	30
1,2-Dibromoethane	1.6	U	66.7	65.0		ug/L		97	74 - 113	5	30
Dichlorodifluoromethane	2.1	U	66.7	81.0		ug/L		121	17 - 128	1	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 240-21836-6 MSD
Matrix: Water
Analysis Batch: 78611

Client Sample ID: MW-13-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
cis-1,2-Dichloroethene	1.1	U	66.7	64.1		ug/L		96	70 - 120	2	30
trans-1,2-Dichloroethene	1.3	U	66.7	63.3		ug/L		95	80 - 119	3	30
Isopropylbenzene	0.87	U	66.7	63.6		ug/L		95	68 - 116	1	30
Methyl acetate	2.5	U	66.7	60.7	J	ug/L		91	47 - 130	0	30
Methyl tert-butyl ether	1.1	U	66.7	55.3		ug/L		83	46 - 144	0	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.9	U	66.7	75.5		ug/L		113	70 - 152	4	30
1,2,4-Trichlorobenzene	1.0	U	66.7	64.0		ug/L		96	38 - 138	0	30
1,2-Dichlorobenzene	0.87	U	66.7	68.5		ug/L		103	75 - 111	1	30
1,3-Dichlorobenzene	0.93	U	66.7	65.9		ug/L		99	73 - 110	2	30
1,4-Dichlorobenzene	0.87	U	66.7	64.5		ug/L		97	75 - 110	1	30
Trichlorofluoromethane	1.4	U *	66.7	121	F	ug/L		182	46 - 157	4	30
Dibromochloromethane	1.2	U	66.7	62.1		ug/L		93	56 - 118	5	30
Methylcyclohexane	0.87	U	66.7	51.2		ug/L		77	49 - 127	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*63 - 129*
4-Bromofluorobenzene (Surr)	*90*		*66 - 117*
Toluene-d8 (Surr)	*88*		*74 - 115*
Dibromofluoromethane (Surr)	*83*		*75 - 121*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 240-78024/11-A
Matrix: Water
Analysis Batch: 78251

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78024

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	0.10	U	1.0	0.10	ug/L		03/12/13 11:22	03/14/13 09:20	1
Benzo[a]pyrene	0.10	U	1.0	0.10	ug/L		03/12/13 11:22	03/14/13 09:20	1
Benzo[b]fluoranthene	0.10	U	1.0	0.10	ug/L		03/12/13 11:22	03/14/13 09:20	1
Benzo[g,h,i]perylene	0.10	U	1.0	0.10	ug/L		03/12/13 11:22	03/14/13 09:20	1
Benzo[k]fluoranthene	0.10	U	1.0	0.10	ug/L		03/12/13 11:22	03/14/13 09:20	1
Anthracene	0.10	U	5.0	0.10	ug/L		03/12/13 11:22	03/14/13 09:20	1
Chrysene	0.10	U	1.0	0.10	ug/L		03/12/13 11:22	03/14/13 09:20	1
Dibenz(a,h)anthracene	0.10	U	2.0	0.10	ug/L		03/12/13 11:22	03/14/13 09:20	1
Fluoranthene	0.10	U	1.0	0.10	ug/L		03/12/13 11:22	03/14/13 09:20	1
Fluorene	0.10	U	5.0	0.10	ug/L		03/12/13 11:22	03/14/13 09:20	1
Indeno[1,2,3-cd]pyrene	0.10	U	2.0	0.10	ug/L		03/12/13 11:22	03/14/13 09:20	1
Phenanthrene	0.10	U	2.0	0.10	ug/L		03/12/13 11:22	03/14/13 09:20	1
Pyrene	0.10	U	5.0	0.10	ug/L		03/12/13 11:22	03/14/13 09:20	1
Acenaphthene	0.10	U	5.0	0.10	ug/L		03/12/13 11:22	03/14/13 09:20	1
Acenaphthylene	0.10	U	5.0	0.10	ug/L		03/12/13 11:22	03/14/13 09:20	1
Naphthalene	0.10	U	5.0	0.10	ug/L		03/12/13 11:22	03/14/13 09:20	1
2-Methylnaphthalene	0.10	U	5.0	0.10	ug/L		03/12/13 11:22	03/14/13 09:20	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 240-78024/11-A
Matrix: Water
Analysis Batch: 78251

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78024

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	68		20 - 110	03/12/13 11:22	03/14/13 09:20	1
2-Fluorophenol (Surr)	60		10 - 110	03/12/13 11:22	03/14/13 09:20	1
2,4,6-Tribromophenol (Surr)	57		21 - 110	03/12/13 11:22	03/14/13 09:20	1
Nitrobenzene-d5 (Surr)	73		21 - 110	03/12/13 11:22	03/14/13 09:20	1
Phenol-d5 (Surr)	59		21 - 110	03/12/13 11:22	03/14/13 09:20	1
Terphenyl-d14 (Surr)	88		24 - 110	03/12/13 11:22	03/14/13 09:20	1

Lab Sample ID: LCS 240-78024/12-A
Matrix: Water
Analysis Batch: 78251

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 78024

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	20.0	16.2		ug/L		81	52 - 110
Benzo[a]pyrene	20.0	13.3		ug/L		67	44 - 110
Benzo[b]fluoranthene	20.0	15.5		ug/L		78	48 - 110
Benzo[g,h,i]perylene	20.0	15.5		ug/L		77	50 - 110
Benzo[k]fluoranthene	20.0	15.8		ug/L		79	49 - 110
Anthracene	20.0	17.5		ug/L		87	52 - 110
Chrysene	20.0	17.2		ug/L		86	55 - 110
Dibenz(a,h)anthracene	20.0	15.3		ug/L		76	49 - 110
Fluoranthene	20.0	17.9		ug/L		89	54 - 110
Fluorene	20.0	17.5		ug/L		87	52 - 110
Indeno[1,2,3-cd]pyrene	20.0	14.7		ug/L		73	50 - 110
Phenanthrene	20.0	16.7		ug/L		83	53 - 110
Pyrene	20.0	17.0		ug/L		85	52 - 110
Acenaphthene	20.0	16.5		ug/L		82	47 - 110
Acenaphthylene	20.0	17.4		ug/L		87	49 - 110
Naphthalene	20.0	16.1		ug/L		80	44 - 110
2-Methylnaphthalene	20.0	16.8		ug/L		84	45 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	71		20 - 110
2-Fluorophenol (Surr)	61		10 - 110
2,4,6-Tribromophenol (Surr)	61		21 - 110
Nitrobenzene-d5 (Surr)	76		21 - 110
Phenol-d5 (Surr)	61		21 - 110
Terphenyl-d14 (Surr)	78		24 - 110

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 180-66191/1-A
Matrix: Water
Analysis Batch: 66495

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 66191

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.036	U	1.0	0.036	ug/L		03/13/13 14:07	03/16/13 19:31	1
Silver	0.036	U	1.0	0.036	ug/L		03/13/13 14:07	03/16/13 19:31	1

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 180-66191/1-A
Matrix: Water
Analysis Batch: 66495

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 66191

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.29	U	1.0	0.29	ug/L		03/13/13 14:07	03/16/13 19:31	1
Arsenic	0.29	U	1.0	0.29	ug/L		03/13/13 14:07	03/16/13 19:31	1
Barium	0.098	U	10	0.098	ug/L		03/13/13 14:07	03/16/13 19:31	1
Barium	0.098	U	10	0.098	ug/L		03/13/13 14:07	03/16/13 19:31	1
Cadmium	0.11	U	1.0	0.11	ug/L		03/13/13 14:07	03/16/13 19:31	1
Chromium	0.54	U	2.0	0.54	ug/L		03/13/13 14:07	03/16/13 19:31	1
Chromium	0.54	U	2.0	0.54	ug/L		03/13/13 14:07	03/16/13 19:31	1
Sodium	3.8	U	100	3.8	ug/L		03/13/13 14:07	03/16/13 19:31	1
Sodium	3.8	U	100	3.8	ug/L		03/13/13 14:07	03/16/13 19:31	1
Nickel	0.17	U	1.0	0.17	ug/L		03/13/13 14:07	03/16/13 19:31	1
Nickel	0.17	U	1.0	0.17	ug/L		03/13/13 14:07	03/16/13 19:31	1
Lead	0.0200	J	1.0	0.019	ug/L		03/13/13 14:07	03/16/13 19:31	1
Lead	0.0200	J	1.0	0.019	ug/L		03/13/13 14:07	03/16/13 19:31	1
Selenium	0.42	U	5.0	0.42	ug/L		03/13/13 14:07	03/16/13 19:31	1
Selenium	0.42	U	5.0	0.42	ug/L		03/13/13 14:07	03/16/13 19:31	1
Zinc	0.96	U	5.0	0.96	ug/L		03/13/13 14:07	03/16/13 19:31	1
Zinc	0.96	U	5.0	0.96	ug/L		03/13/13 14:07	03/16/13 19:31	1

Lab Sample ID: LCS 180-66191/2-A
Matrix: Water
Analysis Batch: 66495

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 66191

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	50.0	49.5		ug/L		99	80 - 120
Silver	50.0	49.5		ug/L		99	80 - 120
Arsenic	40.0	36.5		ug/L		91	80 - 120
Arsenic	40.0	36.5		ug/L		91	80 - 120
Barium	2000	1990		ug/L		99	80 - 120
Barium	2000	1990		ug/L		99	80 - 120
Cadmium	50.0	51.4		ug/L		103	80 - 120
Chromium	200	189		ug/L		95	80 - 120
Chromium	200	189		ug/L		95	80 - 120
Sodium	50000	46800		ug/L		94	80 - 120
Sodium	50000	46800		ug/L		94	80 - 120
Nickel	500	491		ug/L		98	80 - 120
Nickel	500	491		ug/L		98	80 - 120
Lead	20.0	18.3		ug/L		91	80 - 120
Lead	20.0	18.3		ug/L		91	80 - 120
Selenium	10.0	9.86		ug/L		99	80 - 120
Selenium	10.0	9.86		ug/L		99	80 - 120
Zinc	500	497		ug/L		99	80 - 120
Zinc	500	497		ug/L		99	80 - 120

Lab Sample ID: LCSD 180-66191/13-A
Matrix: Water
Analysis Batch: 66495

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 66191

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	50.0	47.6		ug/L		95	80 - 120	4	20

Method: 6020 - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSD 180-66191/13-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 66973 — **Prep Batch: 66191**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver			50.0	47.6		ug/L		95	80 - 120	4	20
Arsenic			40.0	36.6		ug/L		91	80 - 120	0	20
Arsenic			40.0	36.6		ug/L		91	80 - 120	0	20
Barium			2000	2040		ug/L		102	80 - 120	3	20
Barium			2000	2040		ug/L		102	80 - 120	3	20
Cadmium			50.0	50.8		ug/L		102	80 - 120	1	20
Chromium			200	188		ug/L		94	80 - 120	1	20
Chromium			200	188		ug/L		94	80 - 120	1	20
Sodium			50000	46500		ug/L		93	80 - 120	1	20
Sodium			50000	46500		ug/L		93	80 - 120	1	20
Nickel			500	488		ug/L		98	80 - 120	1	20
Nickel			500	488		ug/L		98	80 - 120	1	20
Lead			20.0	18.4		ug/L		92	80 - 120	1	20
Lead			20.0	18.4		ug/L		92	80 - 120	1	20
Selenium			10.0	9.52		ug/L		95	80 - 120	4	20
Selenium			10.0	9.52		ug/L		95	80 - 120	4	20
Zinc			500	494		ug/L		99	80 - 120	1	20
Zinc			500	494		ug/L		99	80 - 120	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-66148/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 66203 — **Prep Batch: 66148**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.038	U	0.20	0.038	ug/L		03/13/13 09:51	03/13/13 13:41	1

Lab Sample ID: LCS 180-66148/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 66203 — **Prep Batch: 66148**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			2.50	2.51		ug/L		100	80 - 120		

Lab Sample ID: 240-21836-2 MS — **Client Sample ID: MW-8**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 66203 — **Prep Batch: 66148**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.038	U	1.00	1.01		ug/L		101	75 - 125		

Lab Sample ID: 240-21836-2 MSD — **Client Sample ID: MW-8**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 66203 — **Prep Batch: 66148**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.038	U	1.00	1.05		ug/L		105	75 - 125	4	20

GC/MS VOA

Analysis Batch: 78499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21836-1	MW-6R-13	Total/NA	Water	8260B	
240-21836-4	MW-11R-13	Total/NA	Water	8260B	
240-21836-5	MW-3R-13	Total/NA	Water	8260B	
240-21836-7	TRIP BLANK	Total/NA	Water	8260B	
LCS 240-78499/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-78499/5	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 78611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21836-3	MW-1R-13	Total/NA	Water	8260B	
240-21836-6	MW-13-13	Total/NA	Water	8260B	
240-21836-6 MS	MW-13-13	Total/NA	Water	8260B	
240-21836-6 MSD	MW-13-13	Total/NA	Water	8260B	
LCS 240-78611/4	Lab Control Sample	Total/NA	Water	8260B	
MB 240-78611/5	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 78024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21836-1	MW-6R-13	Total/NA	Water	3520C	
240-21836-3	MW-1R-13	Total/NA	Water	3520C	
240-21836-4	MW-11R-13	Total/NA	Water	3520C	
240-21836-5	MW-3R-13	Total/NA	Water	3520C	
LCS 240-78024/12-A	Lab Control Sample	Total/NA	Water	3520C	
MB 240-78024/11-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 78251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21836-1	MW-6R-13	Total/NA	Water	8270C	78024
240-21836-3	MW-1R-13	Total/NA	Water	8270C	78024
240-21836-4	MW-11R-13	Total/NA	Water	8270C	78024
240-21836-5	MW-3R-13	Total/NA	Water	8270C	78024
LCS 240-78024/12-A	Lab Control Sample	Total/NA	Water	8270C	78024
MB 240-78024/11-A	Method Blank	Total/NA	Water	8270C	78024

Metals

Prep Batch: 66148

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21836-1	MW-6R-13	Dissolved	Water	7470A	
240-21836-2	MW-8	Dissolved	Water	7470A	
240-21836-2 MS	MW-8	Dissolved	Water	7470A	
240-21836-2 MSD	MW-8	Dissolved	Water	7470A	
LCS 180-66148/2-A	Lab Control Sample	Total/NA	Water	7470A	
MB 180-66148/1-A	Method Blank	Total/NA	Water	7470A	

Prep Batch: 66191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21836-1	MW-6R-13	Dissolved	Water	3005A	

Metals (Continued)

Prep Batch: 66191 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-66191/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 180-66191/13-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
MB 180-66191/1-A	Method Blank	Total Recoverable	Water	3005A	

Analysis Batch: 66203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21836-1	MW-6R-13	Dissolved	Water	7470A	66148
240-21836-2	MW-8	Dissolved	Water	7470A	66148
240-21836-2 MS	MW-8	Dissolved	Water	7470A	66148
240-21836-2 MSD	MW-8	Dissolved	Water	7470A	66148
LCS 180-66148/2-A	Lab Control Sample	Total/NA	Water	7470A	66148
MB 180-66148/1-A	Method Blank	Total/NA	Water	7470A	66148

Analysis Batch: 66495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21836-1	MW-6R-13	Dissolved	Water	6020	66191
LCS 180-66191/2-A	Lab Control Sample	Total Recoverable	Water	6020	66191
LCSD 180-66191/13-A	Lab Control Sample Dup	Total Recoverable	Water	6020	66191
MB 180-66191/1-A	Method Blank	Total Recoverable	Water	6020	66191

Analysis Batch: 66973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-21836-1	MW-6R-13	Dissolved	Water	6020	66191
LCS 180-66191/2-A	Lab Control Sample	Total Recoverable	Water	6020	66191
LCSD 180-66191/13-A	Lab Control Sample Dup	Total Recoverable	Water	6020	66191
MB 180-66191/1-A	Method Blank	Total Recoverable	Water	6020	66191

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054011.02

TestAmerica Job ID: 240-21836-1

Client Sample ID: MW-6R-13

Lab Sample ID: 240-21836-1

Date Collected: 03/07/13 10:45

Matrix: Water

Date Received: 03/09/13 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1.43	78499	03/15/13 20:36	LW	TAL NC
Total/NA	Prep	3520C			78024	03/12/13 11:22	JS	TAL NC
Total/NA	Analysis	8270C		1	78251	03/14/13 11:30	TH	TAL NC
Dissolved	Prep	7470A			66148	03/13/13 09:51	JS	TAL PIT
Dissolved	Analysis	7470A		1	66203	03/13/13 14:00	JS	TAL PIT
Dissolved	Prep	3005A			66191	03/13/13 14:07	CH	TAL PIT
Dissolved	Analysis	6020		1	66495	03/16/13 20:33	BR	TAL PIT
Dissolved	Analysis	6020		1	66973	03/16/13 20:33	BR	TAL PIT

Client Sample ID: MW-8

Lab Sample ID: 240-21836-2

Date Collected: 03/07/13 11:18

Matrix: Water

Date Received: 03/09/13 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	7470A			66148	03/13/13 09:51	JS	TAL PIT
Dissolved	Analysis	7470A		1	66203	03/13/13 14:05	JS	TAL PIT

Client Sample ID: MW-1R-13

Lab Sample ID: 240-21836-3

Date Collected: 03/07/13 11:56

Matrix: Water

Date Received: 03/09/13 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		5	78611	03/18/13 12:53	LW	TAL NC
Total/NA	Prep	3520C			78024	03/12/13 11:22	JS	TAL NC
Total/NA	Analysis	8270C		1	78251	03/14/13 11:52	TH	TAL NC

Client Sample ID: MW-11R-13

Lab Sample ID: 240-21836-4

Date Collected: 03/07/13 12:55

Matrix: Water

Date Received: 03/09/13 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		12.5	78499	03/15/13 21:22	LW	TAL NC
Total/NA	Prep	3520C			78024	03/12/13 11:22	JS	TAL NC
Total/NA	Analysis	8270C		1	78251	03/14/13 12:14	TH	TAL NC

Client Sample ID: MW-3R-13

Lab Sample ID: 240-21836-5

Date Collected: 03/07/13 14:15

Matrix: Water

Date Received: 03/09/13 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	78499	03/15/13 21:45	LW	TAL NC
Total/NA	Prep	3520C			78024	03/12/13 11:22	JS	TAL NC

Lab Chronicle

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054011.02

TestAmerica Job ID: 240-21836-1

Client Sample ID: MW-3R-13

Lab Sample ID: 240-21836-5

Date Collected: 03/07/13 14:15
Matrix: Water
Date Received: 03/09/13 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270C		1	78251	03/14/13 12:35	TH	TAL NC

Client Sample ID: MW-13-13

Lab Sample ID: 240-21836-6

Date Collected: 03/07/13 14:56
Matrix: Water
Date Received: 03/09/13 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		6.67	78611	03/18/13 12:30	LW	TAL NC

Client Sample ID: TRIP BLANK

Lab Sample ID: 240-21836-7

Date Collected: 03/07/13 00:00
Matrix: Water
Date Received: 03/09/13 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	78499	03/15/13 22:30	LW	TAL NC

Laboratory References:

TAL NC = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

TAL PIT = TestAmerica Pittsburgh, 301 Alpha Drive, RIDC Park, Pittsburgh, PA 15238, TEL (412)963-7058

Certification Summary

Client: Tetra Tech GEO
Project/Site: 415 West Washington - 117-1054011.02

TestAmerica Job ID: 240-21836-1

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-13
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAP	4	E87225	06-30-13
Georgia	State Program	4	N/A	06-30-13
Illinois	NELAP	5	200004	07-31-13
Kansas	NELAP	7	E-10336	01-31-14
Kentucky	State Program	4	58	06-30-13
L-A-B	DoD ELAP		L2315	07-28-13
Minnesota	NELAP	5	039-999-348	12-31-13
Nevada	State Program	9	OH-000482008A	07-31-13
New Jersey	NELAP	2	OH001	06-30-13
New York	NELAP	2	10975	04-01-13
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAP	3	68-00340	08-31-13
Texas	NELAP	6		08-03-13
USDA	Federal		P330-11-00328	08-26-14
Virginia	NELAP	3	460175	09-14-13
Washington	State Program	10	C971	01-12-14
West Virginia DEP	State Program	3	210	12-31-13
Wisconsin	State Program	5	999518190	08-31-13

Laboratory: TestAmerica Pittsburgh

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0690	06-27-13
California	NELAP	9	4224CA	03-31-13
Connecticut	State Program	1	PH-0688	09-30-14
Florida	NELAP	4	E871008	06-30-13
Illinois	NELAP	5	002602	06-30-13
L-A-B	DoD ELAP		L2314	07-24-13
Louisiana	NELAP	6	04041	06-30-13
New Hampshire	NELAP	1	203011	04-04-13
New Jersey	NELAP	2	PA005	06-30-13
New York	NELAP	2	11182	04-01-13
North Carolina DENR	State Program	4	434	12-31-13
Pennsylvania	NELAP	3	02-00416	04-30-13
South Carolina	State Program	4	89014	04-30-13
US Fish & Wildlife	Federal		LE94312A-1	11-30-14
USDA	Federal		P-Soil-01	04-16-15
USDA	Federal		P330-10-00139	04-28-13
Utah	NELAP	8	STLP	04-30-13
Virginia	NELAP	3	460189	09-14-13
West Virginia DEP	State Program	3	142	01-31-14
Wisconsin	State Program	5	998027800	08-31-13

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratory location: _____
Regulatory program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other _____

TestAmerica Laboratories, Inc.

Client Contact				
Company Name: TetraTech	Client Project Manager: Patti McCall	Site Contact: Patti McCall	Lab Contact: Kris Brooks	COC No: 054814
Address: 710 Avis Dr	Telephone: 734-213-4069	Telephone: 734-213-4069	Telephone: 330-966-9790	1 of 1 COCs
City/State/Zip: Ann Arbor, MI 48108	Email: Patti.McCall@TetraTech.com	Analysis Turnaround Time (in BUS days)	Analyses	For lab use only
Phone: 734-213-2204	Method of Shipment/Carrier: LAB Courier Pickup	TAT if different from below STANDARD ☐ 3 weeks ☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day		Walk-in client ☐ Lab pickup ☐ Lab sampling ☐
Project Name: 415 West Washington	Shipping/Tracking No:			Job/SDG No:
Project Number: 117-10540 11.02				
PO #				

Sample Identification	Sample Date	Sample Time	Matrix: Air	Aqueous	Sediment	Solid	Other:	Containers & Preservatives: H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Unpres	Other:	Filtered Sample (Y/N)	Composite C / Grab G	PNAs	VOCs	Metals (Dissolved)	Metal (Mercury) (Dissolved)							Sample Specific Notes / Special Instructions:
MW-6R-13	3.7.13	1045		X					1	3			2		Y	G	X	X	X								* Dissolved
MW-8	3.7.13	1118		X					1						Y	G				X							Metals Field
MW-1R-13	3.7.13	1156		X						3			2			G	X	X									Filtered:
MW-11R-13	3.7.13	1255		X						3			2			G	X	X									
MW-3R-13	3.7.13	1415		X						3			2			G	X	X									Metals =
MW-13-13	3.7.13	1456		X						3						G		X									Michigan 10
Trip Blank	3.7.13	—		X						1						G		X									And Mercury
																											MW-8 Mercury
																											only (Dissolved)

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal (A fee may be assessed): ☐ Return to Client ☒ Disp

hs

240-21836 Chain of Custody

Special Instructions/QC Requirements & Comments:

Sampler(s): Craig W. Decky, Anthony Sautter

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
[signature]	TT	3.7.13 / 1620	Cold Storage	TT	3.7.13 / 1620
Cold Storage	TT	3/8/13 / 8:45	Patti McCall	TT	3/8/13 8:45
[signature]	TEST AMERICA	3/8/13 8:45	Received in Laboratory by: [signature]	TA	3/8/13 930

TAL 0018- 1 (04/10)

TestAmerica Canton Sample Receipt Form/Narrative Login # : 21836

Client Tetra Tech Site Name _____ By: Derek O. Green

Cooler Received on 3-9-13 Opened on 3-9-13 (Signature)

FedEx: 1st Grd ~~Exp~~ UPS FAS Stetson Client Drop Off TestAmerica Courier Other _____

TestAmerica Cooler # _____ Foam Box Client Cooler Box Other _____

Packing material used: Bubble Wrap Foam Plastic Bag None Other _____

COOLANT: Wet Ice Blue Ice Dry Ice Water None

1. Cooler temperature upon receipt

IR GUN# 1	(CF –2 °C)	Observed Sample Temp._____°C	Corrected Sample Temp._____°C	☑ Multiple on Back
IR GUN# 4G	(CF 0 °C)	Observed Sample Temp._____°C	Corrected Sample Temp._____°C	
IR GUN# 5G	(CF 0 °C)	Observed Sample Temp._____°C	Corrected Sample Temp._____°C	
IR GUN# 8	(CF 0 °C)	Observed Sample Temp._____°C	Corrected Sample Temp._____°C	

2. Were custody seals on the outside of the cooler(s)? If Yes Quantity 2 Yes No
   -Were custody seals on the outside of the cooler(s) signed & dated? Yes No NA
   -Were custody seals on the bottle(s)? Yes No
3. Shippers' packing slip attached to the cooler(s)? Yes No
4. Did custody papers accompany the sample(s)? Yes No
5. Were the custody papers relinquished & signed in the appropriate place? Yes No
6. Did all bottles arrive in good condition (Unbroken)? Yes No
7. Could all bottle labels be reconciled with the COC? Yes No
8. Were correct bottle(s) used for the test(s) indicated? Yes No
9. Sufficient quantity received to perform indicated analyses? Yes No
10. Were sample(s) at the correct pH upon receipt? 3-9-13 Yes No NA
11. Were VOAs on the COC? Yes No
12. Were air bubbles >6 mm in any VOA vials? Yes No NA
13. Was a trip blank present in the cooler(s)? Yes No

Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other

Concerning _____

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in Sample Receiving to meet recommended pH level(s). Nitric Acid Lot# 031512-HNO3; Sulfuric Acid Lot# 051012-H2SO4; Sodium Hydroxide Lot# 121809 -NaOH; Hydrochloric Acid Lot# 041911-HCl; Sodium Hydroxide and Zinc Acetate Lot# 100108-(CH3COO)2ZN/NaOH. What time was preservative added to sample(s)? _____

Client ID	pH	Date	Initials

Cooler #	Observed Sample Temp. °C	Corrected Sample Temp. °C	IR #	Coolant
Client Cooler	2.6 2.4	2.6 2.4	46 1	ICE 1

Login Sample Receipt Checklist

Client: Tetra Tech GEO

Job Number: 240-21836-1

Login Number: 21836
List Number: 1
Creator: Ras, Erin F

List Source: TestAmerica Pittsburgh
List Creation: 03/12/13 10:04 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	