



GROUND WATER MONITORING REPORT FOR 2015

**BENTLEY MALL EAST SATELLITE, ADEC #102.38.122
FAIRBANKS, ALASKA**

**TAX LOT 217, SECTION 2,
TOWNSHIP 1 SOUTH, RANGE 1 WEST**

November 2015

Prepared for:

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Contaminated Sites Program
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1 INTRODUCTION

This report was prepared by Environmental Resource Group, Inc. (ERG) on behalf of The Krausz Companies Inc. to document ground water sampling performed in 2015 at the Bentley Mall East Satellite in Fairbanks, Alaska. The site is referenced by the Alaska Department of Environmental Conservation (ADEC) as Bentley Mall East Satellite, ADEC File #102.38.122. The Bentley Mall is improved with the main mall complex in the northern portion, and several satellite buildings in the southern portion of the property. A site vicinity map is presented in Figure 1.

2 BACKGROUND AND SITE HISTORY

In April 2003, ADEC added the Bentley Mall to the State's Contaminated Sites Database based on the occurrence of soil and ground water impact by tetrachloroethene (PCE) and trichloroethene (TCE) near the East Satellite and Wells Fargo Bank buildings in the southern portion of the Bentley Mall property.

The *Bentley Mall Site Characterization Report* (ARES, April 2006) summarizes site history and soil and ground water investigations completed at the Bentley Mall and vicinity. A historical release of PCE and TCE was alleged in the vicinity of the East Satellite and Wells Fargo Bank buildings. Thirteen (13) ground water monitor wells, designated MW-1 to MW-13, were installed in September and October 2005. A plume of ground water impacted by PCE and TCE was identified encompassing the satellite buildings and extending off-site in the general direction of ground water flow. Ground water surface elevations indicated ground water flows westward with a gradient of approximately 0.0019 vertical feet/horizontal feet (ARES, April 2006).

In September 2006, a soil vapor extraction (SVE) system was installed in the area of the East Satellite and Wells Fargo Bank buildings. The system included sixteen (16) air sparge wells (SW-1 to SW-16) and nine (9) vapor extraction wells (VE-1 to VE-9) along with underground utilities to connect the wells to remediation equipment. System installation was documented in the *Air-Sparging and Vapor-Extraction System Installation and Start-Up Report* (ARES, January 2007). The system layout is presented in Figure 2.

The SVE system operated for five (5) years, from September 2006 to September 2011. By letter dated August 31, 2011, ADEC conditionally approved the shut-down of the SVE system and cessation of active remediation. Although the site had not achieved ADEC cleanup levels outlined in the Record of Decision of March 1, 2007, ADEC approved with conditions a long-term ground water monitoring plan as proposed by ERG (August 31, 2011), *Schedule, East Satellite Building Site, Bentley Mall*. The latest ground water monitoring data were presented in *Ground Water Monitoring Report for 2014, Bentley Mall* (ERG, 2014).

In a letter dated April 22, 2013, ADEC reopened the case for Bentley Mall due to the increasing trend of PCE in MW-1.

In 2014, vapor intrusion measures were taken at the East Satellite Building and the new AutoZone building. A retro-coat finish was installed to encapsulate and seal the floor prior to occupancy at the East Satellite Building. At the new AutoZone building, a passive barrier system with two passive components, which included a GeoSeal™ barrier membrane and a passive venting system, was installed. The barrier membrane is comprised of three layers, High Density Polyethylene (HDPE) thermally bonded to a geotextile, 60 mil spray applied copolymer modified asphalt, and HDPE thermally bonded to a geotextile.

During the construction of the new AutoZone building, VE-7 was destroyed and removed after approval from ADEC. In October 2013, MW-8, MW-9, and MW-10 were damaged by road construction. On September 3, 2014, MW-8 was reinstalled approximately 5 feet away from the destroyed well. MW-8 was developed 24 hours later on September 4 and then sampled on September 5. MW-9 and MW-10 were found to be intact and no obstructions were found, however the well boxes were repaired in late September 2014.

3 GROUND WATER SAMPLING

Ground water sampling of the Site was performed from September 14th to September 16th, 2015. Twenty wells were sampled during this monitoring event: SW-2, SW-4 to SW-8, SW-10, SW-12, MW-1 to MW-7, and MW-9 to MW-13.

Ground water sampling generally followed ADEC's Field Sampling Guidance dated May 2010, and the ground water monitoring sample and analysis plan (SAP) and ERG's Standard Operating Procedures (SOPs) (August 2014). All field work was conducted under the supervision of a Professional Geologist.

Before purging and sampling ground water, depth to water was measured from the top of each well casing using an electronic water level meter. The water level measurements were recorded to the nearest 0.01 foot, consistent with the surveyed elevation data.

Before ground water sampling, each well was purged using low-flow techniques described in the "Low-Flow (Minimal Drawdown) Ground Water Sampling Procedures" (ASTM No 6771-02, 2002). Dedicated tubing, attached to a peristaltic pump, was lowered to the mid-point of the reported screen zone. The pump was set to a rate of less than 1 liter per minute and pH, dissolved oxygen (DO), specific conductance (SC), oxidation reduction potential (ORP), depth to water (DTW) and temperature were measured in three to five minute intervals within a flow-through cell. When depth to water remained constant and parameters stabilized in three consecutive readings, the pump rate was reduced, the tube was disconnected from the flow-through cell and samples were collected directly from the dedicated tubing.

From each monitor well, laboratory-supplied sample vials for analysis of volatile organic compounds were filled with ground water and sealed with zero headspace. Sample containers were labeled and stored in a prechilled cooler and overnighed to TestAmerica Laboratories Inc., an ADEC certified analytical laboratory, following standard COC protocols for the requested analyses.

The samples were analyzed for halogenated volatile organic compounds (HVOCs) and 1,4-dioxane by Environmental Protection Agency (EPA) Method 8260C. Copies of the chain of custody record and the analytical reports are included in Appendix A. The field data sheets are presented in Appendix B.

4 SAMPLING RESULTS

Ground water samples are summarized in Tables 1 through 3 and are compared to ADEC ground water cleanup levels released in October 2008.

4.1 Halogenated Volatile Organic Compounds

As in past ground water sampling, tetrachloroethene (PCE) was the predominant halogenated VOC detected in the ground water samples during 2015. The concentrations of dichloroethene, chloroform and vinyl chloride (VC) measured in 2014 are similar to past analytical results and all concentrations are below their respective ADEC cleanup level.

Graphs 1 to 5 present the plots of PCE and trichloroethene (TCE) concentrations in ground water over time. PCE concentrations increased in 11 of 20 monitor wells and TCE concentrations increased in 6 of 20 monitor wells sampled in 2015.

Since its historical high in September 2012, PCE has steadily decreased in MW-1 in subsequent monitoring events. However, concentrations are on average higher than concentrations observed during and prior to the operation of the SVE system.

MW-9, MW-10, and MW-11 are located in the Charles Slater subdivision and were sampled in this most recent monitoring event. PCE concentration in MW-10 and MW-11 slightly decreased, while PCE increased in MW-9.

5 QUALITY ASSURANCE/QUALITY CONTROL

5.1.1 PCE and TCE Concentrations in Duplicates

As part of quality assurance/quality control (QA/QC), duplicates from each of wells MW-3 and MW-12, designated DUP1 and DUP2, respectively, were collected. The purpose of the field

duplicate is to evaluate the precision of the overall sample collection and analysis process through the calculation of the relative percent difference (RPD) for duplicate pairs.

Based on results expressed in micrograms per liter ($\mu\text{g/L}$), the RPDs for PCE and TCE were calculated as follows:

$$\begin{aligned} \text{MW-3/DUP1 Pair: PCE: } & (0.92 - 0.72) / \{(0.92 + 0.72/2)\} \times 100\% = 24.4\% \\ \text{TCE: } & (0.17 - 0.15) / \{(0.17 + 0.15/2)\} \times 100\% = 12.5\% \end{aligned}$$

$$\begin{aligned} \text{MW-12/DUP2 Pair: PCE: } & (430 - 420) / \{(430 + 420/2)\} \times 100\% = 2.4\% \\ \text{TCE: } & (20 - 20) / \{(20 + 20/2)\} \times 100\% = 0\% \end{aligned}$$

The RPD was less than thirty percentage (30%) for the duplicate pairs and met QA/QC limits for the RPD. This reveals that samples of acceptable quality were collected in the field and that aquifer conditions were represented in the samples.

5.1.2 Trip Blanks

Trip blanks, prepared and supplied by TestAmerica Laboratories Inc., accompanied the ground water samples from the site to the laboratory. The trip blanks were analyzed for halogenated VOCs via EPA Method 8260B. The analytical results indicated no detectable levels of halogenated VOCs above laboratory method detection limits. This indicates that samples were handled properly.

5.1.3 TestAmerica Laboratories Inc. Internal Protocols

TestAmerica Laboratories Inc. followed internal laboratory QA/QC protocols that included analyses of blanks, laboratory control samples (LCSs), duplicates, and surrogates. The laboratory QA/QC results indicated no significant effect on the sample analytical quality. **Appendix C** presents the Laboratory Data Review Checklists for 2015. The checklists confirm that, in general, the analytical data quality and usability were acceptable.

6 RECOMMENDATIONS

Based on the results of the ground water monitoring performed, the following is recommended:

- Continue with the ground water monitoring schedule as presented below.
- Prepare a complete Conceptual Site Model, which will include adjacent sites that may be contributing PCE and TCE to the ground water.
- Evaluate the risks posed to human health and the environment from the chlorinated solvents in ground water.

- Evaluate options to encourage reductive dechlorination in the system, if warranted to reduce risk.

Proposed Groundwater Monitoring Schedule

Well	Well Location	Annual	Biennial	Rationale	Last Sampled
MW-1	On-site	X		Unstable concentrations/upgradient well	September 2015
MW-2	On-site	X		Unstable concentrations	September 2015
MW-3	On-site	X		Monitor deepest water-bearing zone	September 2015
MW-4	On-site		X	Stable concentrations	September 2015
MW-5	Off-site	X		Unstable concentrations	September 2015
MW-6	Off-site	X		Unstable concentrations	September 2015
MW-7- lock combo: 29-3-29	Off-site	X		Increasing concentrations	September 2015
MW-8	Off-site		X	Decreasing concentrations	September 2014
MW-9	Off-site	X		Increasing concentrations	September 2015
MW-10	Off-site	X		Unstable concentrations	September 2015
MW-11	Off-site		X	Decreasing concentrations	September 2015
MW-12	Off-site	X		Unstable concentrations	September 2015
MW-13	Off-site		X	MW-12 is adjacent	September 2015
SW-1	On-site	--	--	Non-detect in last two events	--
SW-2	On-site		X	Stable concentrations	September 2015
SW-3	On-site	--	--	Non-detect in last two events	--
SW-4	On-site	X		Downgradient of source/upgradient of SW-5	September 2015
SW-5	On-site	X		Unstable concentrations	September 2015
SW-6	On-site		X	SW-5 and SW-7 are adjacent	September 2015
SW-7	On-site	X		Unstable concentrations	September 2015
SW-8	On-site		X	Decreasing concentrations	September 2015
SW-9	On-site	--	--	Non-detect in last three events	--
SW-10	On-site	X		Monitor 2nd deepest water-bearing zone	September 2015
SW-11	On-site	--	--	Decreasing concentrations	--
SW-12	On-site	X		Increasing concentrations	September 2015
SW-13	On-site		X	Unstable low concentrations	September 2014
SW-14	On-site	--	--	Non-detect in last three events	--
SW-15	On-site	--	--	Non-detect or J-flagged in last four events	--
SW-16	On-site	--	--	Non-detect in last three events	--

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8 SIGNATURE PAGE

Please call us at 415-381-6574 if you have questions.

Best Regards

ENVIRONMENTAL RESOURCE GROUP

A handwritten signature in cursive script that reads "Ben Wells".

Benjamin Wells
President

TABLES

**Table 1. Analytical Results for Ground Water Monitor Wells,
The Bentley Mall, Fairbanks, AK**

Well	Sample Date	HALOGENATED VOLATILE ORGANIC COMPOUNDS													VOLATILE ORGANIC COMPOUNDS								
		PCE	TCE	cis 1,2-DCE	trans 1,2-DCE	1,2-DCA	Chloroform	Freon-11	1,1,2,2-TCA	Methyl Chloride	BDM	1,1-DCE	Methylene Chloride	Vinyl Chloride	1,4-Dioxane	Acetone	Benzene	MTBE	Carbon Disulfide	Toluene	1,2,3-TCB		
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		
ADEC Cleanup Levels		5	5	70	100	5	140	11,000	NE	66	14	7	5	2	77	33,000	5	470	3,700	1,000	NE		
MW-2	03/15/10	320	2.4	4.7	ND <1.0	ND <1.0	5.6	10	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0		
DUP1	03/15/10	300	2.6	4.7	ND <1.0	ND <1.0	5.8	10	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0		
	06/02/10	210	1.7	3.9	ND <1.0	ND <1.0	4.9	10	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0		
	09/29/10	480	ND <5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
DUP1	09/29/10	450	ND <5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	09/19/11	170	ND <5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	09/28/12	280	1.9	2.2	ND <1.0	ND <0.50	2.6	16	ND <1.0	NA	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	ND <0.50	NA	NA	ND <0.50	ND <1.0		
DUP2	6/22/13 (3)	173	1.0 J	3.2	ND <0.40	NA	3.5	NA	NA	NA	NA	NA	NA	ND <0.40	NA	NA	NA	NA	NA	NA	NA		
	6/22/13 (3)	181	1.0 J	3.2	ND <0.40	NA	3.6	NA	NA	NA	NA	NA	NA	ND <0.40	NA	NA	NA	NA	NA	NA	NA		
	10/02/13 (4)	279	1.4 J	ND <1.0	ND <1.0	NA	10.9	NA	NA	NA	NA	NA	NA	ND <1.0	NA	NA	NA	NA	NA	NA	NA		
	09/03/14	175	1.7 J	7.10	ND <0.8	ND <0.8	4.5	15.9	NA	ND <1.2	ND <0.8	1.4 J	10.6 J	ND <0.8	ND <0.8	NA	NA	NA	NA	NA	NA		
	09/14/15	250	2.9	8.50	0.42 J	ND <1.0	5	23.0	NA	ND <1.0	ND <1.0	0.46 J	ND <1.0	ND <1.0	ND <50	NA	NA	NA	NA	NA	NA		
MW-3	9/22/05 (1)	4.1	ND <0.16	ND <0.33	ND <0.48	0.74 J	2.9	ND <0.23	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	3.2 J	1.0	ND <0.23	ND <0.24	ND <0.085	ND <0.25		
	5/15/06 (2)	9.0	ND <0.16	ND <0.33	ND <0.48	ND <0.20	ND <0.30	ND <0.23	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	ND <0.73	ND <0.15	ND <0.23	ND <0.24	ND <0.085	ND <0.25		
	10/16/06	0.330	0.270	0.510	ND <0.200	0.690	ND <0.200	0.850	ND <0.200	NA	ND <0.200	ND <0.200	ND <5.00	ND <0.200	NA	ND <10.0	0.460	ND <1.00	ND <0.500	ND <0.200	ND <1.00		
	02/08/07	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00		
	05/23/07	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00		
	11/05/07	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	1.22	ND <1.00	NA	ND <1.00	ND <5.00	ND <0.200	NA	ND <25.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00		
	05/19/08	1.78	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	1.03	ND <1.00		
	10/06/08	1.32	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	ND <1.00	ND <1.00		
	12/18/08	3.20	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	2.71	NA	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00		
	DUP1	05/12/09	9.52	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	1.01	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
		05/12/09	11.4	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
		08/25/09	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
		11/30/09	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	1.14	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
		03/15/10	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	1.1	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0	
		06/02/10	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	1.1	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0	
		09/29/10	ND <1.0	ND <1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		09/19/11	ND <1.0	ND <1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		09/03/14	ND <0.30	ND <0.20	0.27 J	ND <0.20	0.43 J	0.21 J	1.1	NA	0.73 J	ND <0.20	0.96 J	ND <2.0	ND <0.20	ND <0.20	NA	NA	NA	NA	NA	NA	NA
		09/15/15	0.92 J	0.17 J	0.24 J	ND <1.0	0.47 J	0.46 J	1.3	0.11 J	ND <1.0	ND <1.0	0.58 J	ND <1.0	ND <1.0	ND <50	NA	NA	NA	NA	NA	NA	NA
	DUP1	09/15/15	0.72 J	0.15 J	ND <1.0	ND <1.0	0.52 J	0.46 J	1.2	ND <1.0	ND <1.0	ND <1.0	0.62 J	ND <1.0	ND <1.0	ND <50	NA	NA	NA	NA	NA	NA	
MW-4	9/24/05 (1)	290	5.5	ND <0.33	ND <0.48	ND <0.20	ND <0.30	2.1	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	ND <0.73	ND <0.15	ND <0.23	ND <0.24	ND <0.085	ND <0.25		
	5/15/06 (2)	130	62	ND <0.33	ND <0.48	ND <0.20	ND <0.30	ND <0.23	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	ND <0.73	ND <0.15	ND <0.23	ND <0.24	ND <0.085	ND <0.25		
	10/16/06	400	12.6	ND <2.00	ND <2.00	ND <2.00	ND <2.00	ND <5.00	ND <2.00	NA	ND <2.00	ND <2.00	ND <50.0	ND <2.00	NA	ND <100	ND <2.00	ND <10.0	ND <5.00	ND <2.00	ND <10.0		
	02/09/07	281	15.1	ND <2.00	ND <2.00	ND <2.00	ND <2.00	2.88	ND <2.00	NA	ND <2.00	ND <2.00	ND <10.0	ND <2.00	NA	ND <50.0	ND <2.00	ND <2.00	ND <20.0	ND <2.00	ND <2.00		
	05/24/07	113	68.0	2.97	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00		
	DUP1	05/26/07	167	33.6	1.58	ND <1.00	ND <1.00	ND <1.00	1.74	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
		11/06/07	227	10.9	ND <1.00	ND <1.00	ND <1.00	ND <1.00	2.61	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <0.200	NA	ND <25.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	
		05/19/08	63.4	71.5	2.86	ND <1.00	ND <1.00	ND <1.00	1.10	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	ND <1.00	ND <1.00	
		10/06/08	139	7.94	ND <1.00	ND <1.00	ND <1.00	ND <1.00	3.88	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	ND <1.00	ND <1.00	

**Table 1. Analytical Results for Ground Water Monitor Wells,
The Bentley Mall, Fairbanks, AK**

Well	Sample Date	HALOGENATED VOLATILE ORGANIC COMPOUNDS													VOLATILE ORGANIC COMPOUNDS						
		PCE	TCE	cis 1,2-DCE	trans 1,2-DCE	1,2-DCA	Chloroform	Freon-11	1,1,2,2-TCA	Methyl Chloride	BDM	1,1-DCE	Methylene Chloride	Vinyl Chloride	1,4-Dioxane	Acetone	Benzene	MTBE	Carbon Disulfide	Toluene	1,2,3-TCB
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
ADEC Cleanup Levels		5	5	70	100	5	140	11,000	NE	66	14	7	5	2	77	33,000	5	470	3,700	1,000	NE
MW-4	12/18/08	128	11.9	ND <1.00	ND <1.00	ND <1.00	ND <1.00	4.46	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00
DUP1	12/18/08	135	15.1	ND <1.00	ND <1.00	ND <1.00	ND <1.00	4.16	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00
	05/12/09	66.2	98.1	ND <2.00	ND <2.00	ND <2.00	ND <2.00	ND <2.00	ND <2.00	NA	ND <2.00	ND <2.00	ND <10.0	ND <2.00	NA	ND <50.0	ND <2.00	ND <2.00	ND <20.0	ND <2.00	ND <2.00
	08/25/09	109	56.4	ND <5.00	ND <5.00	ND <5.00	ND <5.00	ND <5.00	ND <5.00	NA	ND <5.00	ND <5.00	ND <25.0	ND <5.00	NA	ND <1,250	ND <5.00	ND <5.00	ND <50.0	ND <5.00	ND <5.00
DUP1	08/25/09	109	54.7	ND <5.00	ND <5.00	ND <5.00	ND <5.00	ND <5.00	ND <5.00	NA	ND <5.00	ND <5.00	ND <25.0	ND <5.00	NA	ND <125	ND <5.00	ND <5.00	ND <50.0	ND <5.00	ND <5.00
	11/30/09	150	8.55	ND <5.00	ND <5.00	ND <5.00	ND <5.00	ND <5.00	ND <5.00	NA	ND <5.00	ND <5.00	ND <25.0	ND <5.00	NA	ND <125	ND <5.00	ND <5.00	ND <50.0	ND <5.00	ND <5.00
	03/16/10	110	58	1.2	ND <1.0	ND <1.0	ND <1.0	3.9	ND <1.0	NA	NA	1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0
DUP2	03/16/10	110	60	1.2	ND <1.0	ND <1.0	ND <1.0	3.8	ND <1.0	NA	NA	1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0
	06/02/10	57	38	2.0	1.6	ND <1.0	ND <1.0	3.1	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0
	09/29/10	82	6.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/20/11	38	5.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	05/29/12	43	47	11	33	ND <0.50	ND <1.0	1.0	ND <1.0	NA	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	ND <0.50	NA	NA	ND <0.50	ND <1.0
	09/29/12	98	15	ND <1.0	ND <1.0	ND <0.50	ND <1.0	6.2	ND <1.0	NA	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	ND <0.50	NA	NA	ND <0.50	ND <1.0
	6/22/13 (3)	51.0	14.4	2.9	7.5	NA	ND <0.20	NA	NA	NA	NA	NA	NA	ND <0.20	NA	NA	NA	NA	NA	NA	NA
	10/2/13 (4)	56.9	5.7	0.7	1.1	NA	ND <0.20	NA	NA	NA	NA	NA	NA	ND <0.20	NA	NA	NA	NA	NA	NA	NA
	09/03/14	47.1	5.8	1.1	1.9	ND <0.20	ND <0.20	4.70	ND <0.20	0.5 J	ND <0.20	2.0	ND <2.0	ND <0.20	ND <0.20	NA	NA	NA	NA	NA	NA
DUP1	09/03/14	48.0	4.6	0.84 J	1.6	ND <0.20	ND <0.20	5.10	NA	0.43 J	ND <0.20	2.1	ND <2.0	ND <0.20	ND <0.20	NA	NA	NA	NA	NA	NA
	09/15/15	48.0	4.2	0.97 J	3.8	0.30 J	ND <1.0	4.30	ND <1.0	ND <1.0	ND <1.0	0.99 J	ND <1.0	ND <1.0	ND <50	NA	NA	NA	NA	NA	NA
MW-5	9/24/05 (1)	210	31	4.0	ND <0.48	0.57 J	ND <0.30	2.6	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	ND <0.73	0.35 J	ND <0.23	ND <0.24	ND <0.085	ND <0.25
	5/15/06 (2)	210	52	3.0	ND <0.48	ND <0.20	ND <0.30	8.3	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	ND <0.73	ND <0.15	ND <0.23	ND <0.24	ND <0.085	ND <0.25
DUP1	5/15/06 (2)	280	34	ND <3.3	ND <4.8	ND <2.0	ND <3.0	ND <2.3	ND <1.7	NA	ND <1.6	ND <2.9	ND <3.5	ND <3.6	NA	ND <7.3	ND <1.5	ND <2.3	ND <2.4	ND <0.85	ND <2.5
	10/16/06	146	18.6	2.52	ND <0.800	ND <0.800	ND <0.800	5.04	ND <0.800	NA	ND <0.800	ND <0.800	ND <20.0	ND <0.800	NA	ND <40.0	ND <0.800	ND <4.00	ND <2.00	ND <0.800	ND <4.00
	02/09/07	39.4	3.87	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00
	05/23/07	29.6	2.47	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00
	11/06/07	20.3	1.54	ND <1.00	ND <1.00	ND <1.00	ND <1.00	2.14	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <0.200	NA	ND <25.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
	05/20/08	6.21	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	ND <1.00	ND <1.00
	10/07/08	5.57	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	ND <1.00	ND <1.00
	12/19/08	3.89	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	2.56	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00
DUP2	12/19/08	3.82	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00
	05/12/09	6.04	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00
	08/25/09	77.1	11.8	ND <5.00	ND <5.00	ND <5.00	ND <5.00	ND <5.00	ND <5.00	NA	ND <5.00	ND <5.00	ND <25.0	ND <5.00	NA	ND <125	ND <5.00	ND <5.00	ND <50.0	ND <5.00	ND <5.00
DUP2	08/25/09	74.9	11.5	ND <5.00	ND <5.00	ND <5.00	ND <5.00	ND <5.00	ND <5.00	NA	ND <5.00	ND <5.00	ND <25.0	ND <5.00	NA	ND <125	ND <5.00	ND <5.00	ND <50.0	ND <5.00	ND <5.00
	11/30/09	153	23.3	5.35	ND <5.00	ND <5.00	ND <5.00	9.60	ND <5.00	NA	ND <5.00	ND <5.00	ND <25.0	ND <5.00	NA	ND <125	ND <5.00	ND <5.00	ND <50.0	ND <5.00	ND <5.00
DUP2	11/30/09	156	23.4	5.55	ND <5.00	ND <5.00	ND <5.00	9.80	ND <5.00	NA	ND <5.00	ND <5.00	ND <25.0	ND <5.00	NA	ND <125	ND <5.00	ND <5.00	ND <50.0	ND <5.00	ND <5.00
	03/16/10	120	22	4.2	ND <1.0	ND <1.0	3.9	10	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0
	06/02/10	81	22	4.4	ND <1.0	ND <1.0	5.0	10	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0
	09/29/10	150	30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DUP2	09/29/10	160	33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/20/11	150	25	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/30/12	310	67	8.2	ND <1.0	ND <0.50	5.1	17	ND <1.0	NA	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	0.50	NA	NA	ND <0.50	ND <1.0
DUP2	09/30/12	390	68	6.4	ND <1.0	ND <0.50	4.5	14	ND <1.0	NA	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	0.50	NA	NA	ND <0.50	ND <1.0

**Table 1. Analytical Results for Ground Water Monitor Wells,
The Bentley Mall, Fairbanks, AK**

Well	Sample Date	HALOGENATED VOLATILE ORGANIC COMPOUNDS													VOLATILE ORGANIC COMPOUNDS							
		PCE	TCE	cis 1,2-DCE	trans 1,2-DCE	1,2-DCA	Chloroform	Freon-11	1,1,2,2-TCA	Methyl Chloride	BDM	1,1-DCE	Methylene Chloride	Vinyl Chloride	1,4-Dioxane	Acetone	Benzene	MTBE	Carbon Disulfide	Toluene	1,2,3-TCB	
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
ADEC Cleanup Levels		5	5	70	100	5	140	11,000	NE	66	14	7	5	2	77	33,000	5	470	3,700	1,000	NE	
MW-5	10/2/13 (4)	173	28.7	3.2	ND <0.40	NA	3.7	NA	NA	NA	NA	NA	NA	ND <0.40	NA	NA	NA	NA	NA	NA	NA	
	09/03/14	80.1	18.3	2.7	0.35 J	0.62 J	1.2	3.2	NA	0.64 J	ND <0.2	1.8	ND <2.0	ND <0.2	ND <0.2	NA	NA	NA	NA	NA	NA	
	09/16/15	140	27.0	2.5	0.35 J	0.62 J	1.7	4.0	0.11 J	ND <1.0	ND <1.0	0.91 J	ND <1.0	ND <1.0	ND <50	NA	NA	NA	NA	NA	NA	
MW-6 DUP1	9/24/05 (1)	64	5.6	1.3 J	ND <0.48	ND <0.20	ND <0.30	1.0 J	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	12 J	ND <0.15	0.33 J	ND <0.24	ND <0.085	ND <0.25	
	9/24/05 (1)	57	5.3	1.5 J	ND <0.48	ND <0.20	ND <0.30	ND <0.23	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	4.4 J	ND <0.15	ND <0.23	ND <0.24	ND <0.085	ND <0.25	
DUP2	05/16/06	54	4.1	ND <0.33	ND <0.48	ND <0.20	ND <0.30	ND <0.23	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	ND <0.73	ND <0.15	ND <0.23	ND <0.24	ND <0.085	ND <0.25	
	10/16/06	66.1	4.73	1.16	ND <0.200	ND <0.200	ND <0.200	3.29	ND <0.200	NA	ND <0.200	ND <0.200	ND <5.00	ND <0.200	NA	ND <10.0	ND <0.200	ND <1.00	ND <0.500	ND <0.200	ND <1.00	
	05/20/08	11.3	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	ND <1.00	ND <1.00	
	10/07/08	3.22	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	1.60	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	ND <1.00	ND <1.00	
	05/13/09	10.1	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
	05/13/09	6.30	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
	08/26/09	9.10	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
	12/01/09	12.1	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
	03/16/10	12	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	1.1	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0
	06/03/10	6.1	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	ND <1.0	1.2	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0
	09/29/10	10	ND <1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/20/11	6.0	ND <1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/28/12	44	4.4	6.3	ND <1.0	ND <0.50	1.1	15	ND <1.0	NA	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	ND <0.50	NA	NA	ND <0.50	ND <1.0	
	10/2/13 (4)	61.5	6.5	6.3	ND <0.20	NA	3.1	NA	NA	NA	NA	NA	NA	ND <0.20	NA	NA	NA	NA	NA	NA	NA	NA
	09/03/14	35.8	3.1	0.88 J	ND <0.20	0.21 J	1.2	19.4	NA	0.47 J	ND <0.20	1.00	ND <2.0	ND <1.0	ND <0.20	NA	NA	NA	NA	NA	NA	NA
09/16/15	66	7.3	2.3	0.19 J	0.53 J	1.3	4.3	ND <1.0	ND <1.0	ND <1.0	0.88 J	ND <1.0	ND <1.0	ND <50	NA	NA	NA	NA	NA	NA	NA	
MW-7	10/27/05 (1)	7.3	3.6	1.7 J	ND <0.48	ND <0.20	ND <0.30	1.1 J	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	2.1 J	ND <0.15	ND <0.23	ND <0.24	ND <0.085	ND <0.25	
	5/16/06 (2)	18.0	10	9.5	ND <0.48	ND <0.20	ND <0.30	ND <0.23	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	ND <0.73	ND <0.15	ND <0.23	ND <0.24	ND <0.085	ND <0.25	
	10/17/06	8.65	4.89	8.54	0.500	0.250	ND <0.200	ND <0.500	ND <0.200	NA	ND <0.200	ND <0.200	ND <5.00	ND <0.200	NA	ND <10.0	ND <0.200	ND <1.00	ND <0.500	ND <0.200	ND <1.00	
	02/09/07	8.67	5.05	14.2	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
	05/24/07	8.35	5.91	16.6	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
	11/06/07	5.60	4.61	9.65	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <0.200	NA	ND <25.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
	05/20/08	4.97	4.33	10.4	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
	10/07/08	3.81	2.71	6.57	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
	12/19/08	4.20	3.22	9.46	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	2.89
05/13/09	6.16	6.39	14.2	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	ND <1.00	
MW-7 DUP2	08/26/09	3.27	3.96	11.5	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
	12/01/09	3.49	3.06	11.8	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
	03/16/10	3.1	3.0	8.2	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0	
	06/03/10	1.8	2.9	7.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0	
	06/03/10	1.6	2.7	6.8	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0	
	09/30/10	2.0	3.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/20/11	3.0	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/30/12	4.1	4.3	8.0	ND <1.0	ND <0.50	ND <1.0	ND <1.0	ND <1.0	NA	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	ND <0.50	NA	NA	ND <0.50	ND <1.0	
	10/2/13 (4)	1.7	2.0	4.3	ND <0.20	NA	ND <0.20	NA	NA	NA	NA	NA	NA	0.20 J	NA	NA	NA	NA	NA	NA	NA	NA
09/16/15	9.30	3.9	3.3	0.33 J	0.44 J	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	0.44 J	ND <1.0	ND <1.0	ND <50	NA	NA	NA	NA	NA	NA	

**Table 1. Analytical Results for Ground Water Monitor Wells,
The Bentley Mall, Fairbanks, AK**

Well	Sample Date	HALOGENATED VOLATILE ORGANIC COMPOUNDS													VOLATILE ORGANIC COMPOUNDS							
		PCE	TCE	cis 1,2-DCE	trans 1,2-DCE	1,2-DCA	Chloroform	Freon-11	1,1,2,2-TCA	Methyl Chloride	BDM	1,1-DCE	Methylene Chloride	Vinyl Chloride	1,4-Dioxane	Acetone	Benzene	MTBE	Carbon Disulfide	Toluene	1,2,3-TCB	
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
ADEC Cleanup Levels		5	5	70	100	5	140	11,000	NE	66	14	7	5	2	77	33,000	5	470	3,700	1,000	NE	
MW-8	10/27/05 (1)	1.9	ND <0.16	ND <0.33	ND <0.48	ND <0.20	ND <0.30	ND <0.23	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	ND <0.73	ND <0.15	ND <0.23	ND <0.24	ND <0.085	ND <0.25	
	5/16/06 (1)	ND <0.28	ND <0.16	ND <0.33	ND <0.48	ND <0.20	ND <0.20	ND <0.23	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	ND <0.73	ND <0.15	ND <0.23	ND <0.24	ND <0.085	ND <0.25	
	10/17/06	2.39	ND <0.200	ND <0.200	ND <0.200	ND <0.200	0.210	ND <0.500	ND <0.200	NA	ND <0.200	ND <0.200	ND <5.00	ND <0.200	NA	ND <10.0	ND <0.200	ND <1.00	ND <0.500	ND <0.200	ND <1.00	
	02/12/07	3.45	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
	05/25/07	3.66	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
	11/07/07	2.14	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <0.200	NA	ND <25.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
	05/20/08	3.46	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	1.10	ND <1.00	
	10/07/08	1.54	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
	12/19/08	1.59	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	1.03	ND <1.00
	05/13/09	2.46	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	ND <1.00
	08/26/09	2.23	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	ND <1.00
	12/01/09	2.47	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	ND <1.00
	03/16/10	2.9	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0	ND <1.0
	06/03/10	1.9	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0	ND <1.0
	09/30/10	ND <1.0	ND <1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/20/11	3.6	ND <1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/30/12	4.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <0.50	ND <1.0	ND <1.0	ND <1.0	NA	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	ND <0.50	NA	NA	ND <0.50	ND <1.0	
09/04/14	4.7	1.20	1.60	9.80	0.23 J	0.34 J	ND <0.2	NA	ND <0.3	ND <0.2	0.22 J	ND <2.0	ND <0.2	0.7 J	NA	NA	NA	NA	NA	NA	NA	
MW-9 DUP1	10/27/05 (1)	8.3	4.3	1.1 J	1.4 J	ND <0.20	ND <0.30	ND <0.23	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	1.2 J	ND <0.15	ND <0.23	ND <0.24	ND <0.085	ND <0.25	
	5/16/06 (2)	60.0	16	ND <0.33	ND <0.48	ND <0.20	ND <0.30	ND <0.23	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	ND <0.73	ND <0.15	ND <0.23	ND <0.24	ND <0.085	ND <0.25	
	10/17/06	13.7	6.57	2.00	1.40	ND <0.200	ND <0.200	ND <0.500	ND <0.200	NA	ND <0.200	ND <0.200	ND <5.00	ND <0.200	NA	ND <10.0	ND <0.200	ND <1.00	ND <0.500	ND <0.200	ND <1.00	
	02/13/07	15.7	13.2	3.94	3.59	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
	05/25/07	17.1	12.9	3.98	3.15	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
	11/07/07	23.0	12.0	3.18	1.89	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <0.200	NA	ND <25.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
	05/21/08	72.4	16.0	6.64	2.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
	10/08/08	12.4	2.99	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
	10/08/08	10.8	2.74	ND <1.00	ND <1.00	ND <1.00	1.07	2.23	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00
	12/19/08	15.6	7.12	3.35	3.13	ND <1.00	ND <1.00	ND <1.00	2.54	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	ND <1.00
	05/14/09	62.2	14.8	10.8	8.27	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	ND <1.00
	08/26/09	26.5	9.6	4.9	2.59	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	ND <1.00
	12/01/09	17.9	6.56	3.49	2.48	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	ND <1.00
	03/16/10	44	14	11	6.9	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0	ND <1.0
	06/03/10	17	6.7	3.5	1.7	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0	ND <1.0
09/30/10	18	6.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/20/11	31	9.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/30/12	23	11	9.8	8.0	ND <0.50	ND <1.0	ND <1.0	ND <1.0	NA	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	ND <0.50	NA	NA	ND <0.50	ND <1.0	ND <1.0	
10/3/13 (4)	15.1	3.3	1.4	0.61 J	NA	0.22 J	NA	NA	NA	NA	NA	NA	ND <0.20	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/14/15	36	11	2.8	1.7	0.32 J	3.9	ND <1.0	ND <1.0	ND <1.0	ND <1.0	0.45 J	ND <1.0	ND <1.0	ND <50	NA	NA	NA	NA	NA	NA	NA	
MW-10	10/27/05 (1)	80	43	4.3	ND <0.48	0.76 J	ND <0.30	0.40 J	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	3.6 J	0.49 J	ND <0.23	ND <0.24	ND <0.085	ND <0.25	
	5/16/06 (2)	150	19	1.1	ND <0.48	ND <0.20	ND <0.30	ND <0.23	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	ND <0.73	ND <0.15	ND <0.23	ND <0.24	ND <0.085	ND <0.25	
	10/17/06	128	20.4	4.64	ND <0.800	ND <0.800	ND <0.800	ND <2.00	ND <0.800	NA	ND <0.800	ND <0.800	ND <20.0	ND <0.800	NA	ND <40.0	ND <0.800	ND <4.00	ND <2.00	ND <0.800	ND <4.00	

**Table 1. Analytical Results for Ground Water Monitor Wells,
The Bentley Mall, Fairbanks, AK**

Well	Sample Date	HALOGENATED VOLATILE ORGANIC COMPOUNDS													VOLATILE ORGANIC COMPOUNDS							
		PCE	TCE	cis 1,2-DCE	trans 1,2-DCE	1,2-DCA	Chloroform	Freon-11	1,1,2,2-TCA	Methyl Chloride	BDM	1,1-DCE	Methylene Chloride	Vinyl Chloride	1,4-Dioxane	Acetone	Benzene	MTBE	Carbon Disulfide	Toluene	1,2,3-TCB	
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
ADEC Cleanup Levels		5	5	70	100	5	140	11,000	NE	66	14	7	5	2	77	33,000	5	470	3,700	1,000	NE	
MW-10	02/13/07	147	22.9	6.34	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
	05/25/07	128	21.0	6.65	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
	11/07/07	114	19.4	4.70	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <0.200	NA	ND <25.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	
	05/21/08	94.0	15.5	4.06	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	ND <1.00	ND <1.00	
	DUP2 05/21/08	98.2	15.7	4.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	ND <1.00	ND <1.00	
	10/08/08	96.2	16.8	4.95	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	ND <1.00	ND <1.00	
	12/20/08	100	16.4	4.50	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
	05/14/09	121	19.3	4.42	ND <2.00	ND <2.00	ND <2.00	ND <2.00	ND <2.00	NA	ND <2.00	ND <2.00	ND <10.0	ND <2.00	NA	ND <50.0	ND <2.00	ND <2.00	ND <20.0	ND <2.00	ND <2.00	
	08/27/09	106	19.4	ND <5.00	ND <5.00	ND <5.00	ND <5.00	ND <5.00	ND <5.00	NA	ND <5.00	ND <5.00	ND <25.0	ND <5.00	NA	ND <125.0	ND <5.00	ND <5.00	ND <50.0	ND <5.00	ND <5.00	
	12/02/09	112	19.0	6.72	ND <2.00	ND <2.00	ND <2.00	ND <2.00	ND <2.00	NA	ND <2.00	ND <2.00	ND <10.0	ND <2.00	NA	ND <50.0	ND <2.00	ND <2.00	ND <20.0	ND <2.00	ND <2.00	
	03/17/10	110	23	6.1	ND <1.0	ND <1.0	ND <1.0	1.6	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0	
	06/03/10	60	17	4.5	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0	
	09/30/10	96	23	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	09/20/11	95	16	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DUP 09/20/11	96	17	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/30/12	130	32	10	ND <1.0	ND <0.50	ND <1.0	ND <1.0	ND <1.0	NA	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	ND <0.50	NA	NA	ND <0.50	ND <1.0		
09/04/14	27.1	5.2	0.93 J	ND <1.0	0.31 J	0.23 J	ND <1.0	NA	0.37 J	ND <1.0	1.20	ND <10.0	ND <1.0	ND <2.0	NA	NA	NA	NA	NA	NA		
09/14/15	20.0	3	ND <1.0	ND <1.0	0.37 J	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	0.44 J	ND <1.0	ND <1.0	ND <50	NA	NA	NA	NA	NA	NA		
MW-11	10/29/05 (1)	1.8 J	0.24 J	ND <0.33	ND <0.48	ND <0.20	ND <0.30	7.9	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	2.3 J	ND <0.15	ND <0.23	ND <0.24	ND <0.085	ND <0.25	
	5/17/06 (2)	3.4	ND <0.16	ND <0.33	ND <0.48	ND <0.20	ND <0.30	13	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	ND <0.73	ND <0.15	ND <0.23	ND <0.24	ND <0.085	ND <0.25	
	10/17/06	3.09	0.360	0.460	ND <0.200	ND <0.200	ND <0.200	8.83	ND <0.200	NA	ND <0.200	ND <0.200	ND <5.00	ND <0.200	NA	ND <10.0	ND <0.200	ND <1.00	ND <0.500	ND <0.200	ND <1.00	
	02/13/07	4.41	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	7.24	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
	05/26/07	5.06	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	6.26	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
	11/08/07	5.37	1.18	ND <1.00	ND <1.00	ND <1.00	ND <1.00	6.92	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <0.200	NA	ND <25.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	
	05/21/08	7.73	1.73	1.48	ND <1.00	ND <1.00	ND <1.00	10.20	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	1.16	ND <1.00	
	10/08/08	15.5	2.74	1.02	ND <1.00	ND <1.00	ND <1.00	4.43	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	ND <1.00	ND <1.00	
	12/20/08	3.43	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	4.69	2.55	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	1.07	
	05/14/09	13.3	3.34	1.98	ND <1.00	ND <1.00	ND <1.00	10.2	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
	08/27/09	7.51	2.19	1.29	ND <1.00	ND <1.00	ND <1.00	6.7	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
	12/02/09	10.3	2.68	1.80	ND <1.00	ND <1.00	ND <1.00	6.11	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
	03/17/10	6.9	3.6	1.8	ND <1.0	ND <1.0	ND <1.0	7.9	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0	
	06/04/10	7.3	3.3	2.2	ND <1.0	ND <1.0	ND <1.0	7.0	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0	
	09/30/10	8.5	3.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/20/11	20	6.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09/28/12	28	9.5	2.7	ND <1.0	ND <0.50	1.2	9.4	ND <1.0	NA	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	ND <0.50	NA	NA	ND <0.50	ND <1.0		
10/3/13 (4)	8	2.8	1.1	ND <0.20	NA	ND <0.20	NA	NA	NA	NA	NA	NA	ND <0.20	NA	NA	NA	NA	NA	NA	NA	NA	
09/14/15	3	0.88 J	ND <1.0	0.69 J	ND <1.0	2.1	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <50	NA	NA	NA	NA	NA	NA		
MW-12 DUP2	10/29/05 (1)	430	30	4.3	ND <0.48	0.46 J	0.49 J	9.1	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	2.8 J	0.46 J	ND <0.23	ND <0.24	ND <0.085	ND <0.25	
	10/29/05 (1)	400	27	3.7	ND <0.48	0.41 J	0.46 J	9.5	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	2.8 J	0.37 J	ND <0.23	ND <0.24	ND <0.085	ND <0.25	
	5/17/06 (2)	820	54	3.2	ND <0.48	ND <0.20	1.4	6.6	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	ND <0.73	ND <0.15	ND <0.23	ND <0.24	ND <0.085	ND <0.25	
	10/18/06	138	4.08	ND <0.800	ND <0.800	ND <0.800	ND <0.800	5.52	ND <0.800	NA	ND <0.800	ND <0.800	ND <20.0	ND <0.800	NA	ND <40.0	ND <0.800	ND <4.00	ND <2.00	ND <0.800		

**Table 1. Analytical Results for Ground Water Monitor Wells,
The Bentley Mall, Fairbanks, AK**

Well	Sample Date	HALOGENATED VOLATILE ORGANIC COMPOUNDS													VOLATILE ORGANIC COMPOUNDS							
		PCE	TCE	cis 1,2-DCE	trans 1,2-DCE	1,2-DCA	Chloroform	Freon-11	1,1,2,2-TCA	Methyl Chloride	BDM	1,1-DCE	Methylene Chloride	Vinyl Chloride	1,4-Dioxane	Acetone	Benzene	MTBE	Carbon Disulfide	Toluene	1,2,3-TCB	
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
ADEC Cleanup Levels		5	5	70	100	5	140	11,000	NE	66	14	7	5	2	77	33,000	5	470	3,700	1,000	NE	
MW-12(D)	10/18/06	119	18.9	3.92	ND <0.800	ND <0.800	ND <0.800	ND <2.00	ND <0.800	NA	ND <0.800	ND <0.800	ND <20.0	ND <0.800	NA	ND <40.0	ND <0.800	ND <4.00	ND <2.00	ND <0.800	ND <4.00	
	02/12/07	192	6.6	ND <2.00	ND <2.00	ND <2.00	ND <2.00	4.68	ND <2.00	NA	ND <2.00	ND <2.00	ND <10.0	ND <2.00	NA	ND <50.0	ND <2.00	ND <2.00	ND <20.0	ND <2.00	ND <2.00	
	05/26/07	688	32.4	ND <5.00	ND <5.00	ND <5.00	ND <5.00	ND <5.00	ND <5.00	NA	ND <5.00	ND <5.00	ND <25.0	ND <5.00	NA	ND <125.0	ND <5.00	ND <5.00	ND <50.0	ND <5.00	ND <5.00	
	11/08/07	492	33.4	2.26	ND <1.00	ND <1.00	ND <1.00	4.91	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <0.200	NA	ND <25.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	
	05/21/08	851	60.7	3.04	ND <1.00	ND <1.00	2.28	3.09	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	ND <1.00	ND <1.00	
	DUP1	05/21/08	870	61.1	2.97	ND <1.00	ND <1.00	2.30	3.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	ND <1.00	ND <1.00
		10/08/08	308	26.9	1.97	ND <1.00	ND <1.00	ND <1.00	16.2	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	ND <1.00	ND <1.00
		12/20/08	252	22.7	4.98	ND <1.00	ND <1.00	ND <1.00	6.21	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	1.93
		05/14/09	638	63.8	ND <20.0	ND <20.0	ND <20.0	ND <20.0	ND <20.0	ND <20.0	NA	ND <20.0	ND <20.0	ND <100	ND <20.0	NA	ND <500	ND <20.0	ND <20.0	ND <200	ND <20.0	ND <20.0
		08/27/09	353	27.6	ND <20.0	ND <20.0	ND <20.0	ND <20.0	ND <20.0	ND <20.0	NA	ND <20.0	ND <20.0	ND <100	ND <20.0	NA	ND <500	ND <20.0	ND <20.0	ND <200	ND <20.0	ND <20.0
		12/02/09	254	20.2	ND <5.00	ND <5.00	ND <5.00	ND <5.00	ND <5.00	ND <5.00	NA	ND <5.00	ND <5.00	ND <25.0	ND <5.00	NA	ND <125.0	ND <5.00	ND <5.00	ND <50.0	ND <5.00	ND <5.00
03/17/10		280	49	3.5	ND <1.0	ND <1.0	1.5	2.8	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0	
06/04/10		440	33	2.1	ND <1.0	ND <1.0	1.5	2.3	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0	
09/30/10		320	33	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/20/11		330	31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DUP	09/20/11	360	31	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	09/28/12	520	52	2.7	ND <1.0	ND <0.50	1.3	ND <1.0	ND <1.0	NA	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	ND <0.50	NA	NA	ND <0.50	ND <1.0	
	10/3/13 (4)	396	32.8	1.8 J	ND <1.0	NA	1.7 J	NA	NA	NA	NA	NA	NA	ND <1.0	NA	NA	NA	NA	NA	NA	NA	
	09/04/14	237	15.3	1.1 J	ND <5.0	ND <5.0	1.2 J	1.9 J	NA	ND <5.0	ND <5.0	2.1 J	ND <5.0	ND <5.0	ND <2.0	NA	NA	NA	NA	NA	NA	
	09/16/15	430	20	1.2	0.12 J	0.40 J	1.6	2.20	ND <1.0	ND <1.0	ND <1.0	0.81 J	ND <1.0	ND <1.0	ND < 50	NA	NA	NA	NA	NA	NA	
DUP2	09/16/15	420	20	1.2	ND <1.0	0.46 J	1.7	2.10	ND <1.0	ND <1.0	ND <1.0	0.93 J	ND <1.0	ND <1.0	ND < 50	NA	NA	NA	NA	NA	NA	
MW-13	10/29/05 (1)	120	0.40 J	ND <0.33	ND <0.48	0.43 J	2.8	2.8	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	3.2 J	0.28 J	0.25 J	0.36 J	ND <0.085	ND <0.25	
	5/17/06 (2)	79	ND <0.16	ND <0.33	ND <0.48	ND <0.20	3.4	1.7	ND <0.17	NA	ND <0.16	ND <0.29	ND <0.35	ND <0.36	NA	ND <0.73	ND <0.15	ND <0.23	ND <0.24	ND <0.085	ND <0.25	
DUP	10/18/06	138	ND <2.00	ND <2.00	ND <2.00	ND <2.00	3.50	ND <5.00	ND <2.00	NA	ND <2.00	ND <2.00	ND <50.0	ND <0.200	NA	ND <100	ND <2.00	ND <10.0	ND <5.00	ND <2.00	ND <10.0	
	10/18/06	141	0.300	ND <0.200	ND <0.200	0.41	3.77	2.22	ND <0.200	NA	ND <0.200	ND <0.200	ND <5.00	ND <0.200	NA	ND <10.0	ND <0.200	ND <1.00	0.580	ND <0.200	ND <1.00	
	02/12/07	102	ND <1.00	ND <1.00	ND <1.00	ND <1.00	3.75	2.14	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
	05/26/07	56.1	ND <1.00	ND <1.00	ND <1.00	ND <1.00	3.57	1.61	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
	11/08/07	118	ND <1.00	ND <1.00	ND <1.00	ND <1.00	2.58	2.38	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <0.200	NA	ND <25.0	ND <1.00	ND <1.00	ND <1.00	ND <1.00	ND <1.00	
	05/21/08	24.3	ND <1.00	ND <1.00	ND <1.00	ND <1.00	1.56	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	1.76	ND <1.00	
	10/08/08	52.1	ND <1.00	ND <1.00	ND <1.00	ND <1.00	3.12	1.86	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	ND <1.00	ND <1.00	
	DUP2	10/08/08	53.4	ND <1.00	ND <1.00	ND <1.00	ND <1.00	2.69	1.69	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <20.0	ND <1.00	ND <2.00	ND <1.00	ND <1.00	ND <1.00
		12/20/08	61.5	ND <1.00	ND <1.00	ND <1.00	ND <1.00	2.09	1.04	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00
		05/14/09	45.1	ND <1.00	ND <1.00	ND <1.00	ND <1.00	1.21	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00
08/27/09		47.8	ND <2.00	ND <2.00	ND <2.00	ND <2.00	2.00	ND <2.00	ND <2.00	NA	ND <2.00	ND <2.00	ND <10.0	ND <2.00	NA	ND <50.0	ND <2.00	ND <2.00	ND <20.0	ND <2.00	ND <2.00	
12/02/09		56.2	ND <1.00	ND <1.00	ND <1.00	ND <1.00	1.80	ND <1.00	ND <1.00	NA	ND <1.00	ND <1.00	ND <5.00	ND <1.00	NA	ND <25.0	ND <1.00	ND <1.00	ND <10.0	ND <1.00	ND <1.00	
03/17/10		24	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0	
06/04/10		5.2	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	ND <1.0	ND <5.0	ND <1.0	NA	NA	ND <1.0	NA	NA	ND <1.0	ND <1.0	
09/30/10		16	ND <1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/20/11		15	ND <1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/28/12		43	ND <1.0	ND <1.0	ND <1.0	ND <0.50	ND <1.0	ND <1.0	ND <1.0	NA	ND <1.0	ND <1.0	ND <1.0	ND <1.0	NA	NA	ND <0.50	NA	NA	ND <0.50	ND <1.0	
DUP2	10/3/13 (4)	13.8	ND <0.20	ND <0.20	ND <0.20	NA	0.67 J	NA	NA	NA	NA	NA	NA	ND <0.20	NA	NA	NA	NA	NA	NA	NA	

**Table 1. Analytical Results for Ground Water Monitor Wells,
The Bentley Mall, Fairbanks, AK**

Well	Sample Date	HALOGENATED VOLATILE ORGANIC COMPOUNDS													VOLATILE ORGANIC COMPOUNDS						
		PCE	TCE	cis 1,2-DCE	trans 1,2-DCE	1,2-DCA	Chloroform	Freon-11	1,1,2,2-TCA	Methyl Chloride	BDM	1,1-DCE	Methylene Chloride	Vinyl Chloride	1,4-Dioxane	Acetone	Benzene	MTBE	Carbon Disulfide	Toluene	1,2,3-TCB
		µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
ADEC Cleanup Levels		5	5	70	100	5	140	11,000	NE	66	14	7	5	2	77	33,000	5	470	3,700	1,000	NE
MW-13(D)	10/3/13 (4)	14.8	ND <0.20	ND <0.20	ND <0.20	NA	0.77 J	NA	NA	NA	NA	NA	NA	ND <0.20	NA	NA	NA	NA	NA	NA	NA
	09/16/15	13	0.19 J	ND <1.0	ND <1.0	0.34 J	1.3	0.95 J	ND <1.0	ND <1.0	ND <1.0	0.80 J	ND <1.0	ND <1.0	ND <50	NA	NA	NA	NA	NA	NA

Table Notes:

General

µg/L: Micrograms per liter

mg/L: Milligrams per liter

ND <1.0: With the following exceptions, not detected at or above the laboratory method reporting limit (MRL).

For September 2005 and October 2005 sampling events, not detected at or above the laboratory method detection limit (MDL) for all compounds except total organic carbon, methane, ethene and ethane.

For the May 2006 sampling event, not detected at or above the MDL for all compounds, except total organic carbon.

For the June 2013, and October 2013 sampling events, not detected at or above the MDL for all compounds, except total organic carbon.

J: Concentration was reported by the laboratory as an estimated value

Dup: Sample is a field duplicate

NA: Not analyzed N/A: Not applicable

VOCs: Volatile organic compounds by Environmental Protection Agency (EPA) Method 8260B

PCE: Tetrachloroethene cis 1,2-DCE: cis 1,2-Dichloroethene

TCE: Trichloroethene 1,1,2,2-TCA: 1,1,2,2-Tetrachloroethane

Freon-11: Trichlorofluoromethane

1,2-DCA: 1,2-Dichloroethane

BDM: Bromodichloromethane

MTBE: Methyl tert butyl ether

trans 1,2-DCE: trans 1,2-Dichloroethene

1,2,3-TCB: 1,1,3-Trichlorobenzene

1,1-DCE: 1,1-Dichloroethene

Environmental screening levels:

Table C (Groundwater Cleanup Levels) in Alaska Department of Environmental Conservation (ADEC, October 9, 2008): *Oil and Other Hazardous Substances Pollution Control, 18 AAC 75*, revised October 9, 2008.

860 Sample result exceeds ADEC Groundwater Cleanup Level (Table C in ADEC, October 9, 2008)

Detail

(1) For the September 2005 and October 2005 sampling events, the laboratory provided both the method reporting limit (MRL) and method detection limit (MDL), except for total organic carbon, methane, ethene and ethane.

For total organic carbon, methane, ethene and ethane, non-detectable (ND) = not detected at or above the MRL shown above.

For all other compounds, non-detectable (ND) = not detected at or above the MDL shown above. For reference, the MRLs for these compounds were as follows:

1.0 µg/L for benzene 2.4 µg/L for PCE 2.8 µg/L for 1,2,3-TCB 5.0 µg/L for methylene chloride

2.0 µg/L for TCE, cis-1,2-DCE, trans-1,2-DCE, 1,2-DCA, chloroform, Freon-11, 1,1,1,2-TCA, BDM, MTBE, carbon disulfide, toluene, and 1,1-DCE

(2) For the May 2006 sampling event, the laboratory provided both the MRL and MDL, except for total organic carbon.

According to the laboratory, non-detectable (ND) = not detected at or above the MDL shown above. For reference, the MRLs were as follows:

1.0 µg/L for benzene 2.4 µg/L for PCE 2.8 µg/L for 1,2,3-TCB 5.0 µg/L for methylene chloride

2.0 µg/L for TCE, cis-1,2-DCE, trans-1,2-DCE, 1,2-DCA, chloroform, Freon-11, 1,1,1,2-TCA, BDM, MTBE, carbon disulfide, toluene, and 1,1-DCE

0.50 µg/L for methane, ethene and ethane in all wells, except for well MW-7. MRLs for well MW-7 were 5.0 µg/L for methane, 0.50 µg/L for ethene, and 0.50 µg/L for ethane.

(3) For the June 2013 sampling event, the laboratory provided both the MRL and MDL, except for total organic carbon. The results for total organic carbon are with respect to a MRL of 1 mg/L.

According to the laboratory, non-detectable (ND) = Not detected at or above the MDL shown above.

The MRLs were as follows: 5.0 µg/L for well MW-1, 2.0 µg/L for well MW-2, and 1.0 µg/L for well MW-4, except 0.50 µg/L for methane, 1.0 µg/L for ethene, and 1.0 µg/L for ethane.

(4) For the October 2013 sampling event, the laboratory provided both the MRL and MDL, except for total organic carbon. The results for total organic carbon are with respect to a MRL of 1 mg/L. According to the laboratory, ND = Not detected at or above the MDL shown above.

The MRLs were as follows: 5.0 µg/L for wells MW-1, MW-2 and MW-12; 2.0 µg/L for well MW-5; and 1.0 µg/L for wells MW-4, MW-6, MW-7, MW-9, MW-11, and MW-13, except methane, ethene, and ethane.

The MRLs were 0.50 µg/L for methane, 1.0 µg/L for ethene, and 1.0 µg/L for ethane for all wells except well MW-7. For well MW-7, MRLs were 2.5 µg/L for methane, 5.0 µg/L for ethene, and 5.0 µg/L for ethane.

Table 3. Ground Water Monitored Natural Attenuation Parameters for Monitoring Wells,
The Bentley Mall, Fairbanks, AK

Well	Sample Date	MONITORED NATURAL ATTENUATION PARAMETERS															
		Chloride	Sulfate	Total Organic Carbon	Methane	Ethene	Ethane	Carbon Dioxide	Iron	Manganese	Total Iron (Field Analysis)	Ferrous Iron (Field Analysis)	Ferric Iron (Calculated)	Nitrate	Nitrate (Field Analysis)	Nitrite	
		mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
MW-1	9/20/05 (1)	NA	NA	2.6	ND <1.0	ND <1.0	ND <2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	5/15/06 (2)	NA	NA	2.4	ND <0.50	ND <0.50	ND <0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	10/16/06	NA	NA	3.79	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	02/08/07	NA	NA	2.69	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05/23/07	NA	NA	ND <2.00	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/05/07	NA	NA	2.14	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05/19/08	NA	NA	1.88	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	10/06/08	NA	NA	3.1	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12/18/08	NA	NA	2.86	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05/12/09	NA	NA	1.83	1.30	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	08/25/09	NA	NA	2.03	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/30/09	NA	NA	2.14	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	03/15/10	NA	NA	3.0	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	06/02/10	NA	NA	1.9	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DUP1	06/02/10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		09/29/10	NA	NA	3.0	ND <10	ND <10	ND <10	NA	NA	NA	NA	NA	NA	NA	NA	NA
		09/19/11	NA	NA	NA	ND <10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DUP1	05/29/12	NA	NA	2.1	ND <1.00	ND <1.00	ND <1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
09/28/12		NA	NA	2.9	ND <1.00	ND <1.00	ND <1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09/28/12		NA	NA	2.9	ND <1.00	ND <1.00	ND <1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
DUP1	6/22/13 (3)	NA	NA	2.3	ND <0.25	ND <0.50	ND <0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	6/22/13 (3)	NA	NA	2.6	ND <0.25	ND <0.50	ND <0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
DUP1	10/02/13 (4)	NA	NA	2.8	ND <0.25	ND <0.50	ND <0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	10/02/13 (4)	NA	NA	2.7	ND <0.25	ND <0.50	ND <0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
DUP1	09/03/14	24.3	31.6	3.2	ND <0.25	ND <0.50	ND <0.50	9290	ND <50	ND <4	40	40	0	21700	49200	ND <20	
	09/14/15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-2	9/22/05 (1)	NA	NA	9.8	ND <1.0	ND <1.0	ND <2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	5/15/06 (2)	NA	NA	7.8	ND <0.50	ND <0.50	ND <0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	10/16/06	NA	NA	12.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DUP	02/08/07	NA	NA	8.39	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
		02/08/07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		05/23/07	NA	NA	ND <4.00	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DUP2	11/05/07	NA	NA	5.64	1.76	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
		11/08/07	NA	NA	4.49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		05/19/08	NA	NA	13.7	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DUP1	10/06/08	NA	NA	11	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
		12/18/08	NA	NA	10.7	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
		05/12/09	NA	NA	12.8	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DUP1	08/25/09	NA	NA	6.68	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
		11/30/09	NA	NA	7.93	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
		11/30/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DUP1	03/15/10	NA	NA	16	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/15/10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		06/02/10	NA	NA	14	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
DUP1	09/29/10	NA	NA	5.9	ND <10	ND <10	ND <10	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	09/29/10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	09/19/11	NA	NA	NA	ND <10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
DUP2	09/28/12	NA	NA	16	ND <1.00	ND <1.00	ND <1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	6/22/13 (3)	NA	NA	12.9	ND <0.25	ND <0.50	ND <0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	6/22/13 (3)	NA	NA	14.1	ND <0.25	ND <0.50	ND <0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
DUP1	10/02/13 (4)	NA	NA	8.6	ND <0.25	ND <0.50	ND <0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	09/03/14	61.8	91.8	11.5	ND <0.25	ND <0.50	ND <0.50	20400	ND <50	ND <4	150	60	90	12500	8500	ND <20	
09/14/15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
MW-3	9/22/05 (1)	NA	NA	2.4	54	ND <1.0	ND <2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	5/15/06 (2)	NA	NA	2.9	56	ND <0.50	ND <0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	10/16/06	NA	NA	6.28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DUP1	02/08/07	NA	NA	2.70	60.9	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
		05/23/07	NA	NA	ND <2.00	46.1	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
		11/05/07	NA	NA	2.26	55.8	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DUP1	05/19/08	NA	NA	2.25	34.2	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/06/08	NA	NA	2.4	5.35	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
		12/18/08	NA	NA	2.52	21.6	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DUP1	05/12/09	NA	NA	2.35	16.1	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
		05/12/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		08/25/09	NA	NA	1.89	49.1	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DUP1	11/30/09	NA	NA	2.12	63.2	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/15/10	NA	NA	3.7	51.3	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
		06/02/10	NA	NA	2.3	37.3	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DUP1	09/29/10	NA	NA	3.1	20	ND <10	ND <10	NA	NA	NA	NA	NA	NA	NA	NA	NA
		09/19/11	NA	NA	NA	18	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		09/03/14	10.2	32.0	2.7	30.2	ND <0.50	ND <0.50	9240	1340	1580	1300	1270	30	ND <100	NA	ND <20
DUP1	09/15/15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	09/15/15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-4	9/24/05 (1)	NA	NA	3.4	8.0	ND <1.0	ND <2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	5/15/06 (2)	NA	NA	3.5	28	ND <0.50	ND <0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	10/16/06	NA	NA	6.71	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DUP1	02/09/07	NA	NA	4.42	7.06	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
		05/24/07	NA	NA	10.6	27.4	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
		05/26/07	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DUP1	11/06/07	NA	NA	3.35	4.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
		05/19/08	NA	NA	3.31	31.4	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
		10/06/08	NA	NA	4.1	1.95	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DUP1	12/18/08	NA	NA	4.91	2.76	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
		12/18/08	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		05/12/09	NA	NA	3.47	15.2	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DUP1	08/25/09	NA	NA	2.77	10.6	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
		08/25/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		11/30/09	NA	NA	3.42	1.94	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	DUP2	03/16/10	NA	NA	4.4	5.54	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
		03/16/10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 3. Ground Water Monitored Natural Attenuation Parameters for Monitoring Wells, The Bentley Mall, Fairbanks, AK

Well	Sample Date	MONITORED NATURAL ATTENUATION PARAMETERS															
		Chloride	Sulfate	Total Organic Carbon	Methane	Ethene	Ethane	Carbon Dioxide	Iron	Manganese	Total Iron (Field Analysis)	Ferrous Iron (Field Analysis)	Ferric Iron (Calculated)	Nitrate	Nitrate (Field Analysis)	Nitrite	
		mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
MW-4	06/02/10	NA	NA	3.2	6.25	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	09/29/10	NA	NA	5.6	ND <10	ND <10	ND <10	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	09/20/11	NA	NA	NA	19	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05/29/12	NA	NA	3.7	2.60	ND <1.00	ND <1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	09/29/12	NA	NA	3.9	ND <1.00	ND <1.00	ND <1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	6/22/13 (3)	NA	NA	3.1	0.63	ND <0.50	ND <0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	10/2/13 (4)	NA	NA	3.4	ND <0.25	ND <0.50	ND <0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	09/03/14	26	55	4.6	ND <0.25	ND <0.50	ND <0.50	17800	130	96	1850	120	1730	4970	NA	ND <20	
	DUP1	09/03/14	25.7	53.5	4.8	ND <0.25	ND <0.50	ND <0.50	19100	491.0	91.4	1850	120	1730	5670	NA	ND <20
	09/15/15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-5	9/24/05 (1)	NA	NA	2.8	26	ND <1.0	ND <2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	5/15/06 (2)	NA	NA	3.3	28	ND <0.50	ND <0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DUP1	5/15/06 (2)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	10/16/06	NA	NA	8.05	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	02/09/07	NA	NA	2.77	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05/23/07	NA	NA	3.02	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/06/07	NA	NA	1.62	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05/20/08	NA	NA	ND <1.00	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	10/07/08	NA	NA	1.8	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12/19/08	NA	NA	1.97	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DUP2	12/19/08	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05/12/09	NA	NA	2.79	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	08/25/09	NA	NA	2.36	66.4	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DUP2	08/25/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/30/09	NA	NA	2.78	69.6	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DUP2	11/30/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	03/16/10	NA	NA	4.7	31.2	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	06/02/10	NA	NA	3.1	37.4	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	09/29/10	NA	NA	5.0	11	ND <10	ND <10	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DUP2	09/29/10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09/20/11	NA	NA	NA	ND <10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
09/30/12	NA	NA	3.1	4.75	ND <1.00	ND <1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA		
DUP2	09/30/12	NA	NA	3.1	6.28	ND <1.00	ND <1.00	NA	NA	NA	NA	NA	NA	NA	NA		
10/2/13 (4)	NA	NA	3.1	1.5	ND <0.50	ND <0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA		
09/03/14	17.6	41.2	2.9	10.7	ND <0.50	ND <0.50	15500	2580	1130	>3300	2590	–	ND <100	NA	ND <20		
09/16/15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
MW-6	9/24/05 (1)	NA	NA	3.9	1.4	ND <1.0	ND <2.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DUP1	9/24/05 (1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05/16/06	NA	NA	3.6	ND <0.50	ND <0.50	ND <0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	10/16/06	NA	NA	64.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05/20/08	NA	NA	2.24	2.12	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	10/07/08	NA	NA	NA	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05/13/09	NA	NA	5.33	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DUP2	05/13/09	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	08/26/09	NA	NA	1.89	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12/01/09	NA	NA	2.05	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	03/16/10	NA	NA	3.2	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	06/03/10	NA	NA	2.5	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	09/29/10	NA	NA	4.0	ND <10	ND <10	ND <10	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	09/20/11	NA	NA	NA	ND <10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	09/28/12	NA	NA	3.5	2.06	ND <1.00	ND <1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
10/2/13 (4)	NA	NA	3.2	4.00	ND <0.50	ND <0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA		
09/03/14	41.2	63.7	5.8	0.42 J	ND <0.50	ND <0.50	31600	ND <50	ND <4	110	30	80	9750	8500	ND <20		
09/16/15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
MW-7	10/27/05 (1)	NA	NA	4.6	2.2	ND <0.050	ND <0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	5/16/06 (2)	NA	NA	5.2	1,000	ND <0.50	ND <0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	10/17/06	NA	NA	12.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	02/09/07	NA	NA	7.19	663	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05/24/07	NA	NA	12.1	2,320	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/06/07	NA	NA	5.97	1,160	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05/20/08	NA	NA	7.90	806	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	10/07/08	NA	NA	7.4	216	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12/19/08	NA	NA	9.07	541	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05/13/09	NA	NA	8.35	1,040	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	08/26/09	NA	NA	9.23	564	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12/01/09	NA	NA	8.62	133	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	03/16/10	NA	NA	13	91.3	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DUP2	06/03/10	NA	NA	8.8	299	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	
	06/03/10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
09/30/10	NA	NA	4.4	250	ND <10	ND <10	NA	NA	NA	NA	NA	NA	NA	NA	NA		
09/20/11	NA	NA	NA	ND <10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
09/30/12	NA	NA	7.1	175	ND <1.00	ND <1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA		
10/2/13 (4)	NA	NA	6.7	328	ND <2.5	ND <2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA		
09/16/15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
MW-8	10/27/05 (1)	NA	NA	3.9	ND <0.050	ND <0.050	ND <0.050	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	5/16/06 (1)	NA	NA	3.5	ND <0.50	ND <0.50	ND <0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	10/17/06	NA	NA	11.8	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	02/12/07	NA	NA	5.32	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05/25/07	NA	NA	NA	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/07/07	NA	NA	3.39	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05/20/08	NA	NA	3.34	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	10/07/08	NA	NA	3.6	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12/19/08	NA	NA	3.99	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05/13/09	NA	NA	3.91	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	08/26/09	NA	NA	3.41	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12/01/09	NA	NA	3.31	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	03/16/10	NA	NA	5.7	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	06/03/10	NA	NA	3.6	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA</						

**Table 3. Ground Water Monitored Natural Attenuation Parameters for Monitoring Wells,
The Bentley Mall, Fairbanks, AK**

Well	Sample Date	MONITORED NATURAL ATTENUATION PARAMETERS															
		Chloride	Sulfate	Total Organic Carbon	Methane	Ethene	Ethane	Carbon Dioxide	Iron	Manganese	Total Iron (Field Analysis)	Ferrous Iron (Field Analysis)	Ferric Iron (Calculated)	Nitrate	Nitrate (Field Analysis)	Nitrite	
		mg/L	mg/L	mg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
MW-13(D)	10/18/06	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	02/12/07	NA	NA	3.71	3.01	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05/26/07	NA	NA	7.45	2.32	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	11/08/07	NA	NA	3.18	3.64	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05/21/08	NA	NA	2.85	22.6	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
DUP2	10/08/08	NA	NA	3.9	2.18	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	10/08/08	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12/20/08	NA	NA	5.59	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	05/14/09	NA	NA	3.61	ND <1.20	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	08/27/09	NA	NA	3.99	4.72	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	12/02/09	NA	NA	3.35	5.76	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	03/17/10	NA	NA	4.8	3.14	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	06/04/10	NA	NA	2.7	41.3	ND <10.0	ND <10.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	09/30/10	NA	NA	4.7	ND <10	ND <10	ND <10	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	09/20/11	NA	NA	NA	ND <10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	09/28/12	NA	NA	3.4	ND <1.00	ND <1.00	ND <1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	10/3/13 (4)	NA	NA	2.9	2.5	ND <0.50	ND <0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	DUP2	10/3/13 (4)	NA	NA	3.0	2.5	ND <0.50	ND <0.50	NA	NA	NA	NA	NA	NA	NA	NA	NA
		09/16/15	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table Notes:

General

µg/L: Micrograms per liter

mg/L: Milligrams per liter

ND <1.0: With the following exceptions, not detected at or above the laboratory method reporting limit (MRL).

For September 2005 and October 2005 sampling events, not detected at or above the laboratory method detection limit (MDL) for all compounds except total organic carbon, methane, ethene and ethane.

For the May 2006 sampling event, not detected at or above the MDL for all compounds, except total organic carbon.

For the June 2013, and October 2013 sampling events, not detected at or above the MDL for all compounds, except total organic carbon.

J: Concentration was reported by the laboratory as an estimated value

Dup: Sample is a field duplicate

NA: Not analyzed

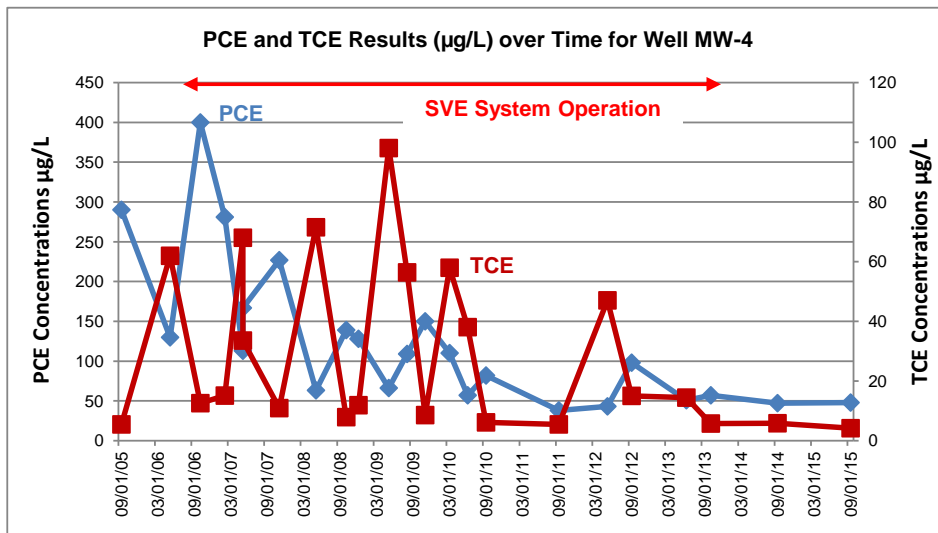
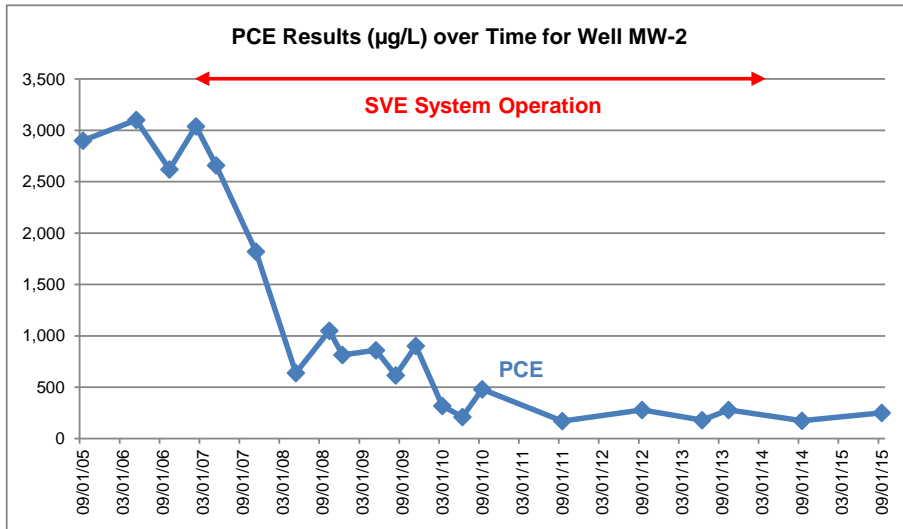
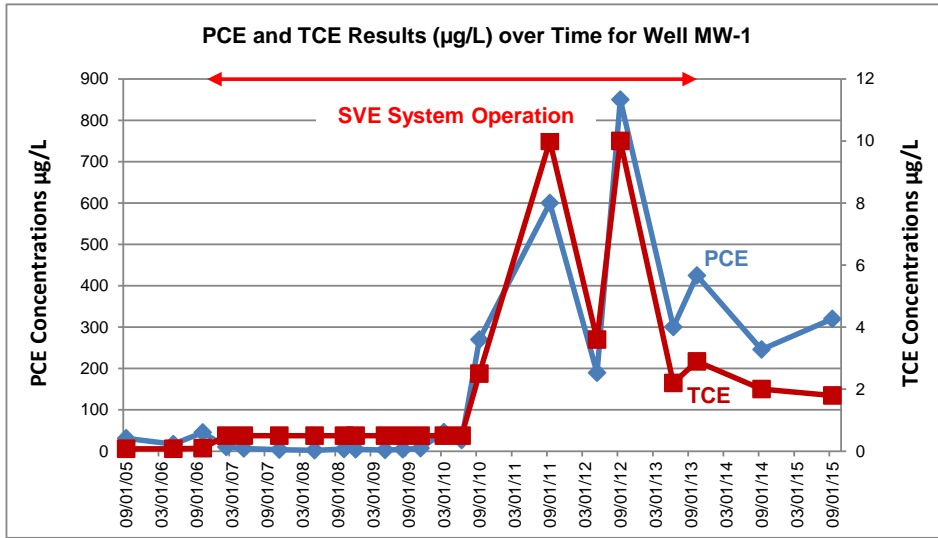
N/A: Not applicable

Detail

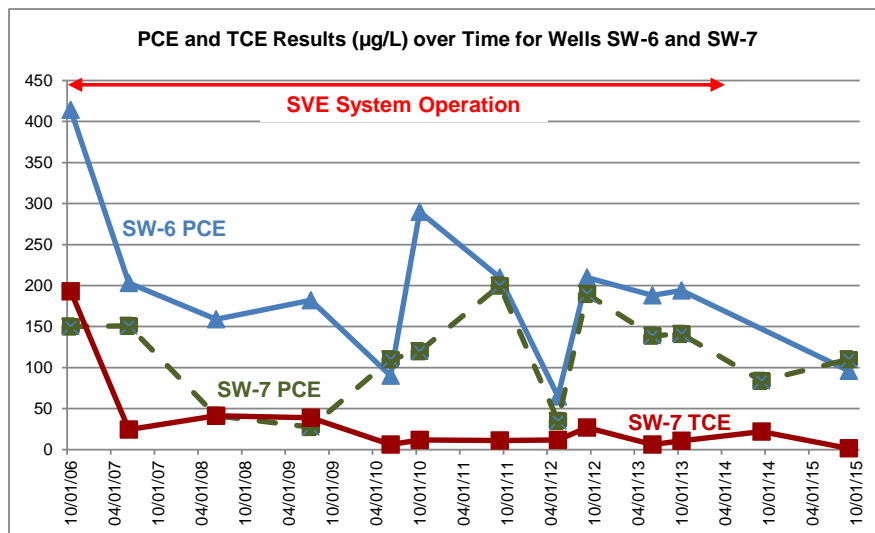
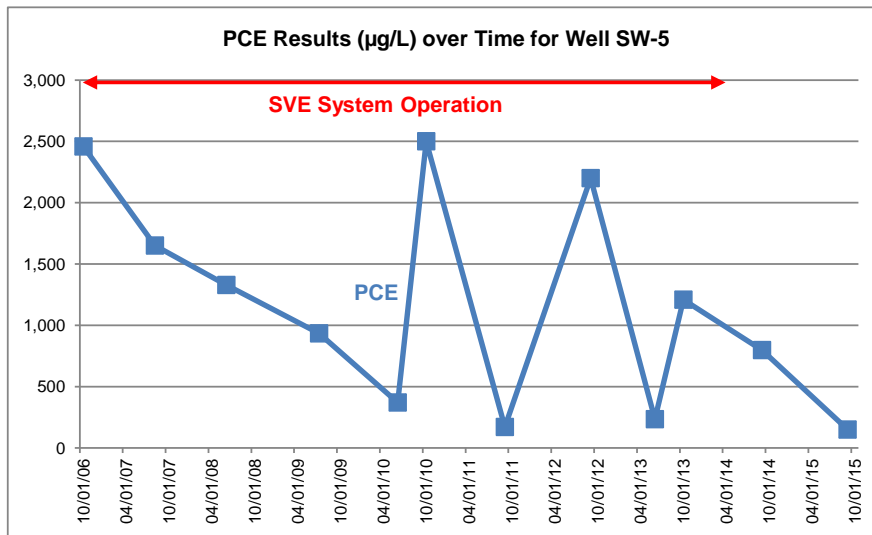
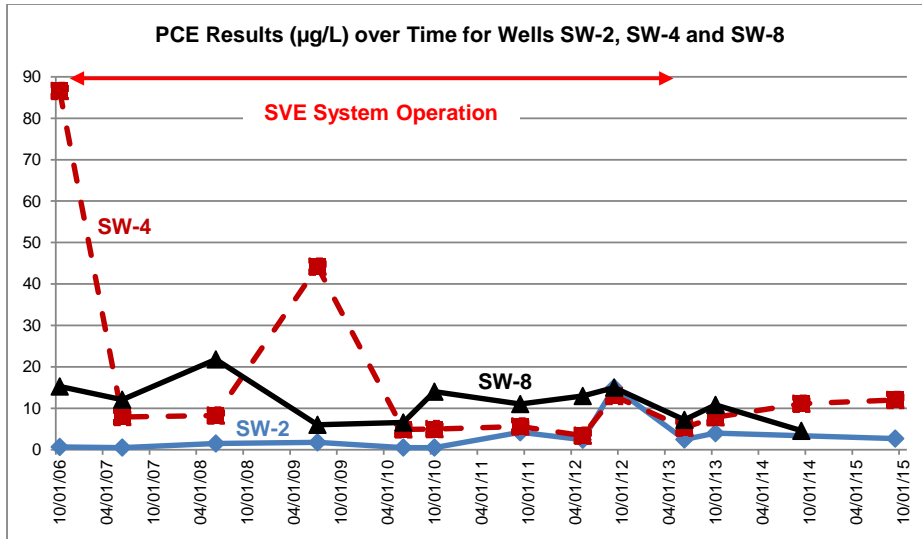
- (1) For the September and October 2005 sampling events, the lab provided the method reporting limit (MRL) and method detection limit (MDL), except for total organic carbon, methane, ethene and ethane. For total organic carbon, methane, ethene and ethane, non-detectable (ND) = not detected at or above the MRL shown above. For all other compounds, non-detectable (ND) = not detected at or above the MDL shown above. For reference, the MRLs for these compounds were as follows:
1.0 µg/L for benzene
2.0 µg/L for TCE, cis-1,2-DCE, trans-1,2-DCE, 1,2-DCA, chloroform, Freon-11, 1,1,1,2-TCA, BDM, MTBE, carbon disulfide, toluene, and 1,1-DCE
- (2) For the May 2006 sampling event, the laboratory provided both the MRL and MDL, except for total organic carbon. According to the laboratory, non-detectable (ND) = not detected at or above the MDL shown above. For reference, the MRLs were as follows:
1.0 µg/L for benzene
2.0 µg/L for TCE, cis-1,2-DCE, trans-1,2-DCE, 1,2-DCA, chloroform, Freon-11, 1,1,1,2-TCA, BDM, MTBE, carbon disulfide, toluene, and 1,1-DCE
0.50 µg/L for methane, ethene and ethane in all wells, except for well MW-7. MRLs for well MW-7 were 5.0 µg/L for methane, 0.50 µg/L for ethene, and 0.50 µg/L for ethane.
- (3) For the June 2013 sampling event, the laboratory provided both the MRL and MDL, except for total organic carbon. The results for total organic carbon are with respect to a MRL of 1 mg/L. According to the laboratory, non-detectable (ND) = Not detected at or above the MDL shown above. The MRLs were as follows: 5.0 µg/L for well MW-1, 2.0 µg/L for well MW-2, and 1.0 µg/L for well MW-4, except 0.50 µg/L for methane, 1.0 µg/L for ethene, and 1.0 µg/L for ethane.
- (4) For the October 2013 sampling event, the laboratory provided both the MRL and MDL, except for total organic carbon. The results for total organic carbon are with respect to a MRL of 1 mg/L. According to the laboratory, non-detectable (ND) = Not detected at or above the MDL shown above. The MRLs were as follows: 5.0 µg/L for wells MW-1, MW-2 and MW-12; 2.0 µg/L for well MW-5; and 1.0 µg/L for wells MW-4, MW-6, MW-7, MW-9, MW-11, and MW-13, except methane, ethene, and ethane. The MRLs were 0.50 µg/L for methane, 1.0 µg/L for ethene, and 1.0 µg/L for ethane for all wells except well MW-7. For well MW-7, MRLs were 2.5 µg/L for methane, 5.0 µg/L for ethene, and 5.0 µg/L for ethane.

GRAPHS

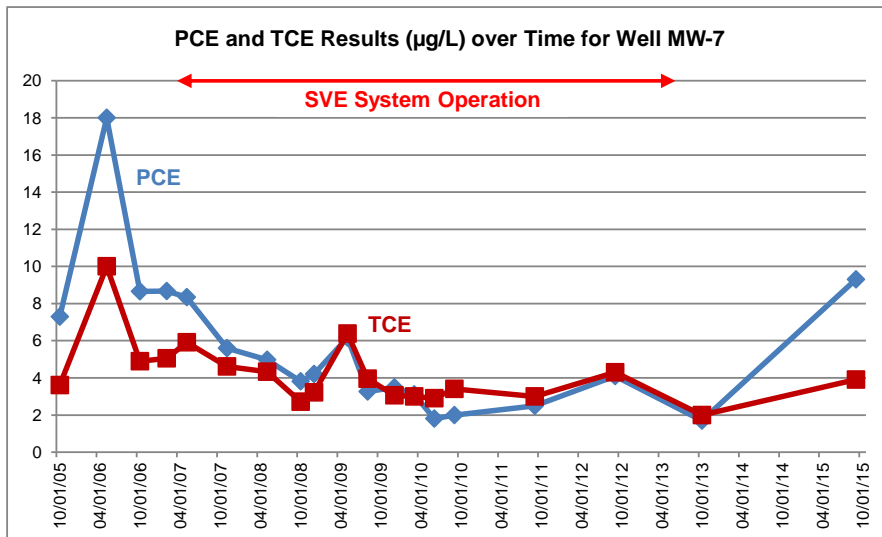
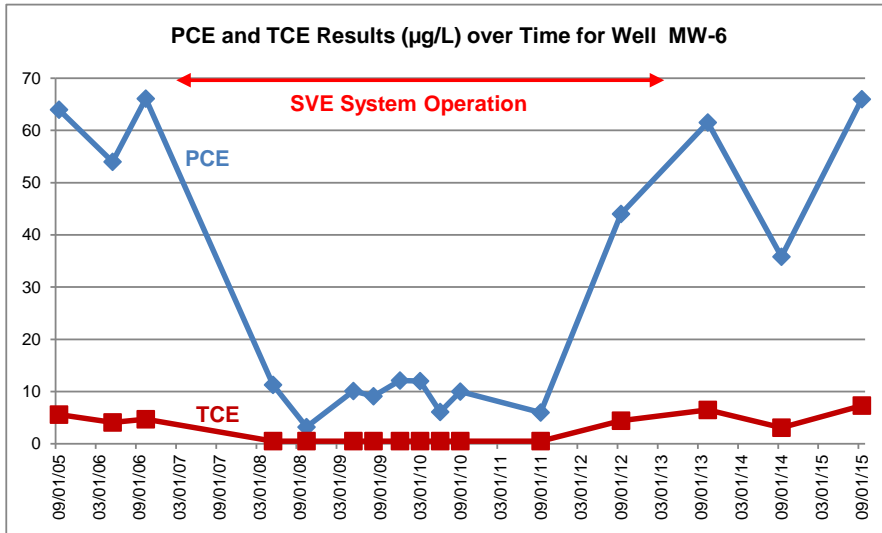
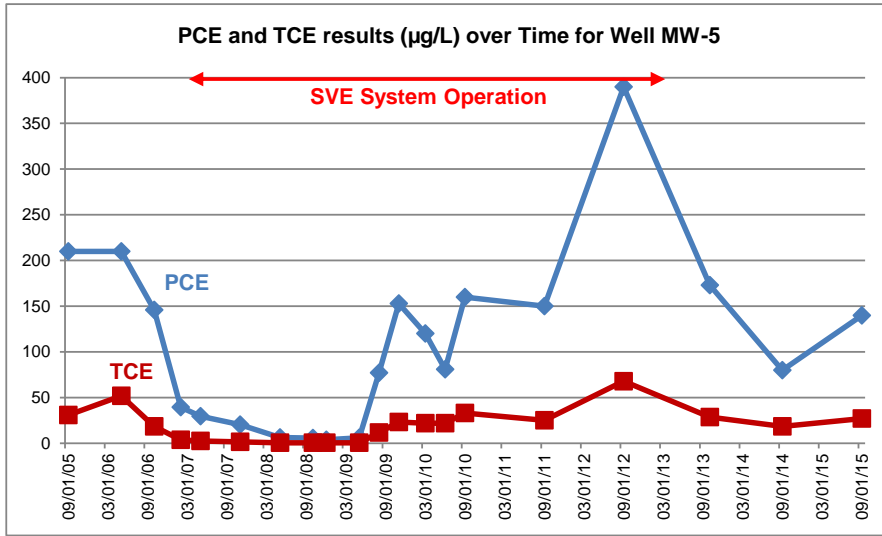
Graph 1: Historical Groundwater Analytical Results for Wells MW-1, MW-2, and MW-4, The Bentley Mall, Fairbanks, Alaska



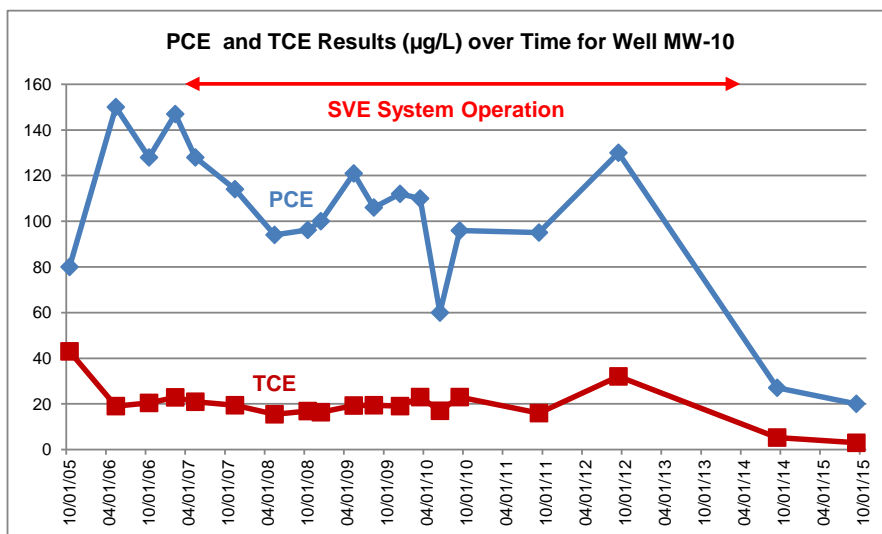
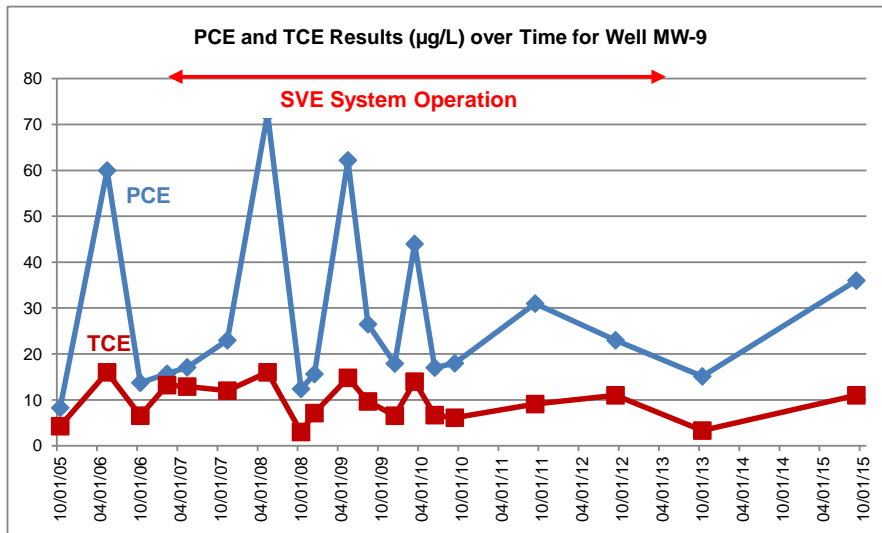
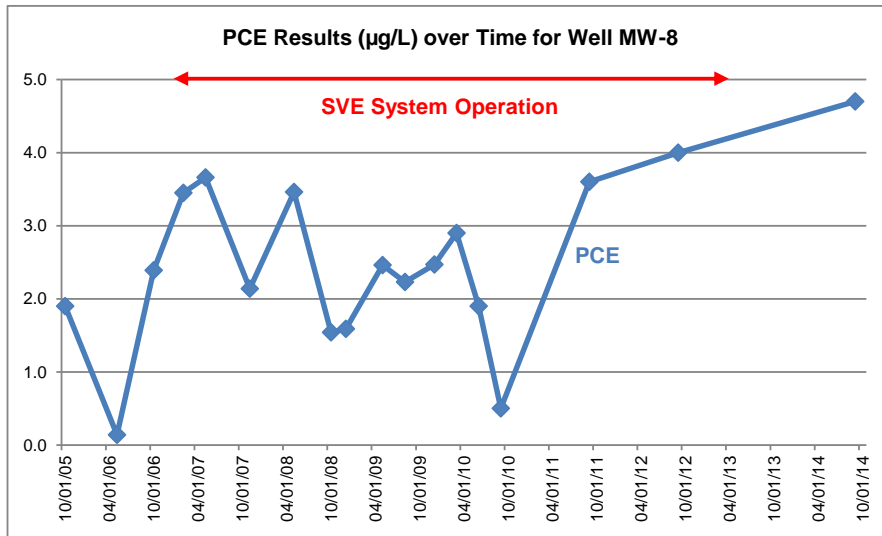
Graph 2: Historical Groundwater Analytical Results for Wells SW-2 and SW-4 to SW-8, The Bentley Mall, Fairbanks, Alaska



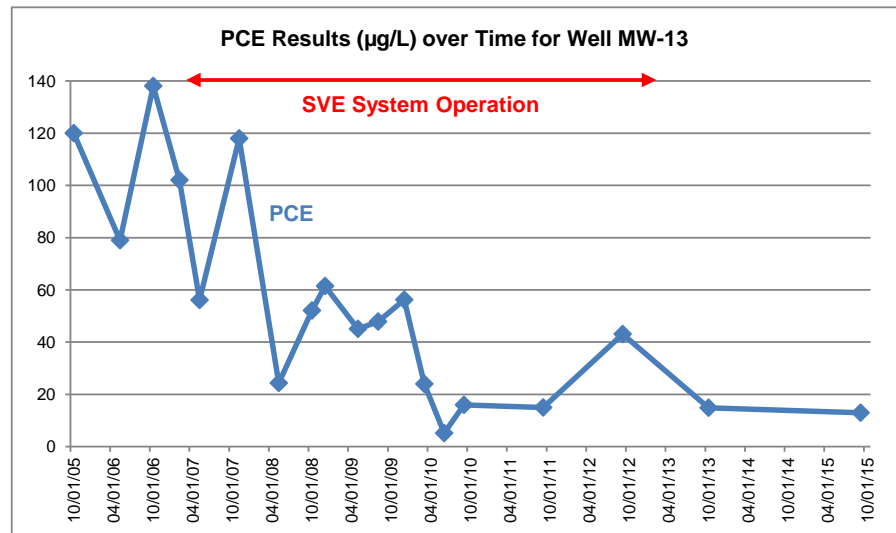
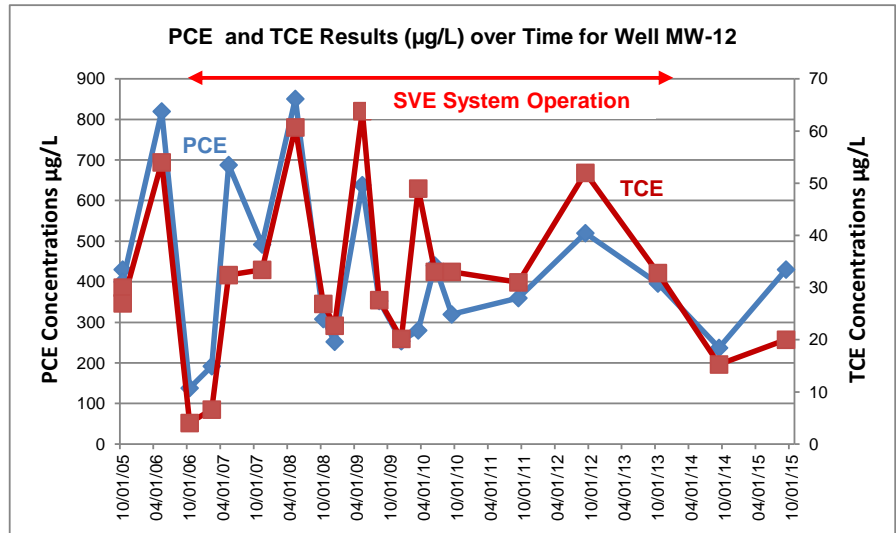
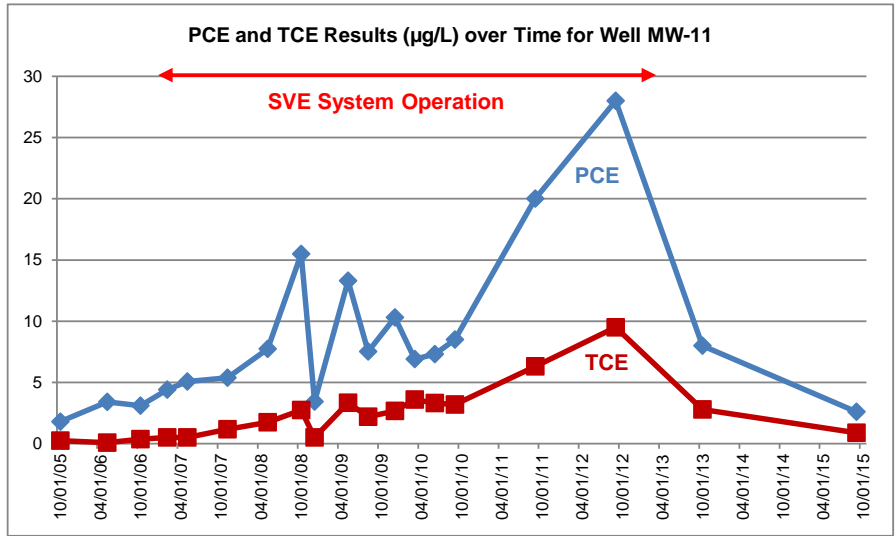
Graph 3: Historical Groundwater Analytical Results for Wells MW-5, MW-6 and MW-7, The Bentley Mall, Fairbanks, Alaska



Graph 4: Historical Groundwater Analytical Results for Wells MW-8, MW-9 and MW-10, The Bentley Mall, Fairbanks, Alaska



Graph 5: Historical Groundwater Analytical Results for Wells MW-11, MW-12 and MW-13, The Bentley Mall, Fairbanks, Alaska

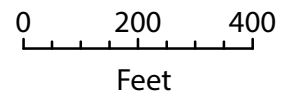


FIGURES



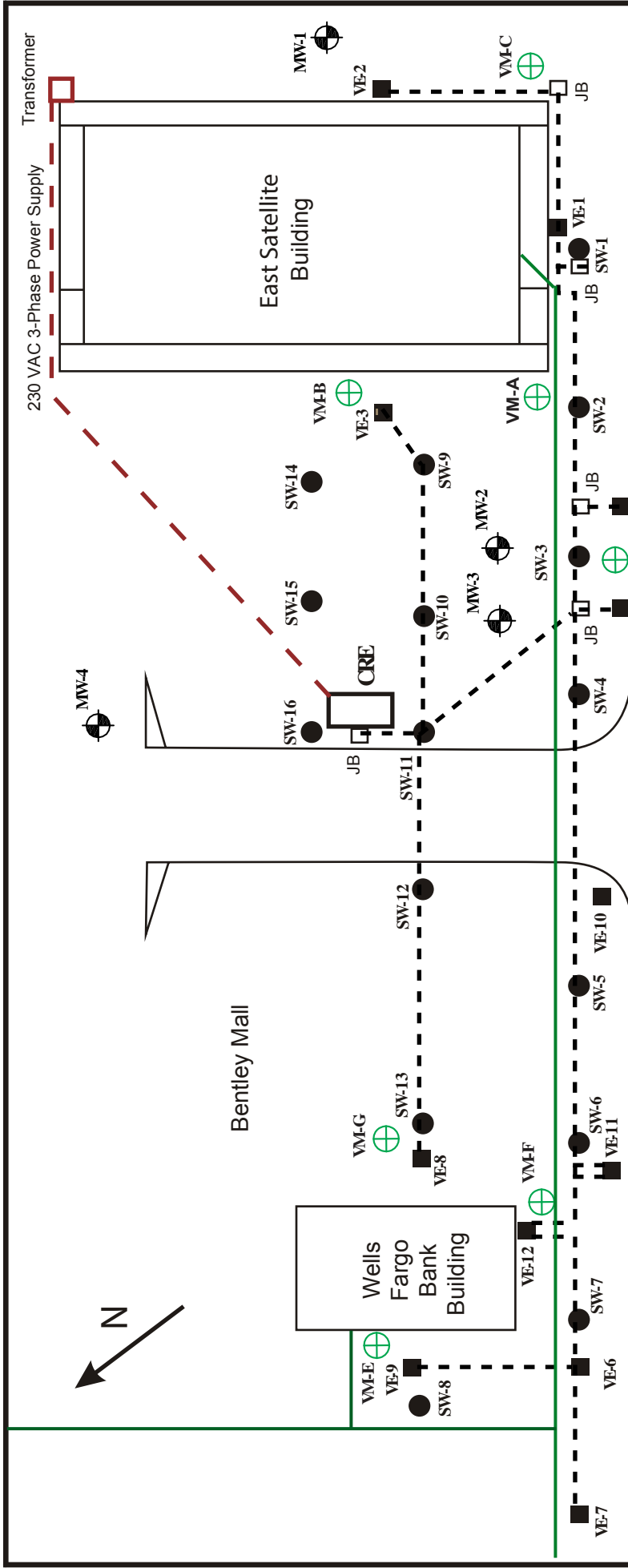
Figure 1
 Site Vicinity
 Bentley Mall
 Fairbanks, AK

 Monitoring well



Basemap:
 Google Earth - May, 2012
 PCS: NAD83 UTM zone 6N





College Road

Figure 2. Layout of Former Soil Vapor Extraction System, Bentley Mall, 32 College Road, Fairbanks, Alaska



- CRE Former Containerized Remediation Equipment
- - - - - Air Sparge and Vapor Extraction Piping Trench (08-09/2006)
- Wastewater Sewer Lateral
- - - - - 230 VAC 3-Phase Power Supply (08-09/2006)
- JB System Piping Junction Box (08-09/2006)

- SW-1 Air Sparging Well (ARES, 08-09/2006)
- VE-1 Vapor Extraction Well (ARES, 08-09/2006)
- ⊕ VW-A Vadose Monitoring Well (ARES, 08-09/2006)
- ⊗ MW-1 Groundwater Monitoring Well (ARES, Sept-Oct 2005)

APPENDIX A: MONITOR WELL FIELD SHEETS

Monitor Well Data Sheet

Site Name: BENTLY MALL	Well/Sample ID: MWI- / MWI-0915
Location: COLLEGE ROAD	Initial Depth to Water (DTW): 14.70
Client:	Total Well Depth (TD): 19.25
Sampler: JUSTIN STAHL	Well Diameter: 2"
Date: 9/14/2015	Purge Method: low flow / peristaltic
Purging and Sampling Rate: 2.3 L/min	Sample Method:

Time	ph	SC	DO	Temp (C)	ORP	DTW (feet)	Cumulative Volume	Observations
14:19	7.20	39	14.76	8.37	-5.0	14.70	0.6	CLEAR NO ODOR
14:23	7.18	39	15.23	8.41	-5.1	14.72	1.8	
14:27	7.12	40	14.55	8.46	-4.4	14.73	3.0 L	
14:32	7.04	41	14.06	8.57	-1.3	14.73	4.5 L	
14:36	7.05	41	13.84	8.68	0.1	14.73	6.7	
14:40	7.02	42	13.72	8.72	0.4	14.74	7.9	
14:44	6.99	42	13.62	8.68	0.4	14.74	89.1	

Did Well Dewater?	N	Start Purge Time:	14:17	DTW prior to sample:	14.74
Odor?	NO	Stop Purge Time:	14:44	Start Sample Time:	14:46

Notes:

Monitor Well Data Sheet

Site Name: <u>BENTLY MALL</u>	Well/Sample ID: <u>MW2 / MW2-0915</u>
Location:	Initial Depth to Water (DTW): <u>14.55</u>
Client:	Total Well Depth (TD): <u>18.80</u>
Sampler: <u>DUSTIN STAHL</u>	Well Diameter: <u>2"</u>
Date: <u>9/14/2015</u>	Purge Method: <u>LOW FLOW PERISTALTIC</u>
Purging and Sampling Rate: <u>0.3 L/min</u>	Sample Method:

Time	ph	SC	DO	Temp (C)	ORP	DTW (feet)	Cumulative Volume	Observations
1541	7.30	37	25.35	6.72	4.7	14.53	0.6	CLEAR NO GDO/R
1545	7.28	37	17.06	6.63	7.6	14.52	1.0	
1549	7.26	37	16.34	6.25	6.4	14.51	4	
1552	7.25	37	15.93	6.17	7.9	14.54	4.9	
1555	7.23	37	15.48	6.15	7.4	14.54	5.8	

Did Well Dewater?	<u>N</u>	Start Purge Time:	<u>1537</u>	DTW prior to sample:	<u>14.54</u>
Odor?	<u>NO</u>	Stop Purge Time:	<u>1555</u>	Start Sample Time:	<u>16:00</u>

Notes:

Monitor Well Data Sheet

Site Name: <u>BENTLEY MALL</u>	Well/Sample ID: <u>MW3 / MW3-0915</u>
Location:	Initial Depth to Water (DTW): <u>14.40</u>
Client:	Total Well Depth (TD): <u>45.50</u>
Sampler: <u>DUSTIN STAHL</u>	Well Diameter: <u>2"</u>
Date: <u>9/15/2015</u>	Purge Method: <u>LOW FLOW/Perrinstroke</u>
Purging and Sampling Rate: <u>3 L/min</u>	Sample Method:

Time	ph	SC	DO	Temp (C)	ORP	DTW (feet)	Cumulative Volume	Observations
8:47	6.97	37	16.95	4.42	34.9	14.40	1.2	CLEAR/NO ODOR
8:51	6.99	37	16.31	4.39	29.8	14.40	2.4	
8:55	7.02	37	16.02	4.39	18.4	14.40	3.6	
8:59	7.02	37	15.56	4.42	13.1	14.40	4.8	
9:03	7.02	37	15.48	4.48	12.2	14.40	6.0	

Did Well Dewater?	<u>N</u>	Start Purge Time:	<u>8:43</u>	DTW prior to sample:	<u>14.40</u>
Odor?	<u>Nil</u>	Stop Purge Time:	<u>9:06</u>	Start Sample Time:	<u>9:05</u>

Notes: DUP #1

Monitor Well Data Sheet

Site Name: BENTLEY MALL	Well/Sample ID: MW4 / MW4-0915
Location:	Initial Depth to Water (DTW): 13.90 12.90
Client:	Total Well Depth (TD): 18.16
Sampler: DUSTIN STRICK	Well Diameter: 2"
Date: 09/15/2015	Purge Method: Low Flow
Purging and Sampling Rate: 0.3 L/min	Sample Method: Peristaltic

Time	ph	SC	DO	Temp (C)	ORP	DTW (feet)	Cumulative Volume	Observations
0943	7.44	34	14.26	5.98	-18.3	13.90 12.90	1.2	CLEAR NO ODOR
0947	7.46	35	14.44	6.04	-13.2	12.91	2.4	
0951	7.45	35	14.60	5.90	-12.8	12.92	3.6	
0953	7.44	36	14.68	5.79	-12.2	12.91	4.8	

Did Well Dewater?	N	Start Purge Time:	0939	DTW prior to sample:	13.90
Odor?	NO	Stop Purge Time:	0954	Start Sample Time:	0955

Notes:

Monitor Well D Sheet

Site Name: BENTLEY MALL	Well/Sample ID: MW5 / MW5-0915
Location:	Initial Depth to Water (DTW): 16.73
Client:	Total Well Depth (TD): 29.13
Sampler: DUSTIN STAHL	Well Diameter: 2"
Date: 9/16/2015	Purge Method: Lowflow/peristaltic
Purging and Sampling Rate: 3 L/min	Sample Method:

Time	ph	SC	DO	Temp (C)	ORP	DTW (feet)	Cumulative Volume	Observations
11:55	7.97	38	17.69	5.31	-104.0	16.75	1.2	Clear/NOODOR
11:59	7.95	37	17.23	4.95	-95.2	16.73	2.4	
12:03	7.93	37	17.13	4.75	-89.3	16.73	3.6	
12:07	7.92	37	17.02	4.64	-85.9	16.73	4.8	

Did Well Dewater?	N	Start Purge Time:	11:51	DTW prior to sample:	16.73
Odor?	N	Stop Purge Time:	12:12	Start Sample Time:	12:10

Notes:

Monitor Well Data Sheet

Site Name: BENTLEY MALL	Well/Sample ID: MW6 / MW6-0915
Location:	Initial Depth to Water (DTW): 16.60
Client:	Total Well Depth (TD): 20.95
Sampler: DUSTIN STALL	Well Diameter: 2"
Date: 9/16/2015	Purge Method: low flow
Purging and Sampling Rate: 6.3 L/min	Sample Method:

Time	ph	SC	DO	Temp (C)	ORP	DTW (feet)	Cumulative Volume	Observations
1228	7.88	38	15.99	5.40	-103.0	16.60	1.2	Clear / No odor
1232	7.88	37	16.37	5.09	-98.2	16.60	2.4	
1236	7.88	37	16.54	4.91	-93.4	16.60	3.6	
1240	7.87	37	16.42	4.93	-87.4	16.60	4.8	
1244	7.87	37	16.31	4.91	-86.1	16.60	6.0	

Did Well Dewater?	N	Start Purge Time:	1224	DTW prior to sample:	16.60
Odor?	N	Stop Purge Time:	1247	Start Sample Time:	1245

Notes:

Monitor Well Data Sheet

Site Name: <u>BENTLEY MALL</u>	Well/Sample ID: <u>MW7 / MW7-0915</u>
Location:	Initial Depth to Water (DTW): <u>19.01</u>
Client:	Total Well Depth (TD): <u>24.00</u>
Sampler: <u>DUSTIN STAHL</u>	Well Diameter: <u>2"</u>
Date: <u>9/16/2015</u>	Purge Method: <u>low flow</u>
Purging and Sampling Rate: <u>0.3</u> L/min	Sample Method:

Time	ph	SC	DO	Temp (C)	ORP	DTW (feet)	Cumulative Volume	Observations
1313	8.09	38	17.56	5.81	-92.7	19.03	1.2	CLEAR NO ODOR RED SEDIMENT
1317	8.06	38	17.23	5.49	-85.5	19.01	2.4	
1321	8.04	37	17.09	5.31	-79.8	19.01	3.6	
1325	8.01	37	17.06	5.15	-74.7	19.01	4.8	
1329	7.98	37	16.98	5.11	-72.3	19.01	6.0	

Did Well Dewater?	<u>N</u>	Start Purge Time:	<u>1309</u>	DTW prior to sample:	<u>19.01</u>
Odor?	<u>No</u>	Stop Purge Time:	<u>1329</u>	Start Sample Time:	<u>1311</u>

Notes: NEW LOCK COMBO = 29-3-29

Monitor Well Data Sheet

Site Name: <u>BENTLY MALL</u>	Well/Sample ID: <u>MW9 / MW9-0915</u>
Location: <u>NOYES ST</u>	Initial Depth to Water (DTW): <u>10.98</u>
Client:	Total Well Depth (TD): <u>20.15</u>
Sampler: <u>DUSTIN STAHL</u>	Well Diameter: <u>2"</u>
Date: <u>9/14/2015</u>	Purge Method: <u>LOW FLOW</u>
<u>Purge @ 0.3L/min</u>	Sample Method:

Time	ph	SC	DO	Temp (C)	ORP	DTW (feet)	Cumulative Volume	Observations
11:58	7.06	51	15.45	6.75	59.2	10.98	0.3L	
12:02	6.98	50	16.47	5.76	56.6	10.98	1.5L	
12:06	6.96	49	16.78	5.46	53.4	10.98	2.7L	
12:10	6.96	48	16.83	5.34	51.8	10.98	3.9L	
12:13	6.97	48	16.84	5.27	50.5	10.98	4.8L	

Did Well Dewater?	<u>N</u>	Start Purge Time:	<u>11:57</u>	DTW prior to sample:	<u>10.98</u>
Odor?	<u>NO</u>	Stop Purge Time:	<u>12:13</u>	Start Sample Time:	<u>12:15</u>
Color	<u>CLEAR</u>				Total Sample Volume:

Notes:

Monitor Well Data Sheet

Site Name: <u>BENTLY MALL</u>	Well/Sample ID: <u>MW10 / MW10-0915</u>
Location: <u>CORNER INA / NOYES</u>	Initial Depth to Water (DTW): <u>11.91</u>
Client:	Total Well Depth (TD): <u>19.65</u>
Sampler: <u>DUSTIN STANC</u>	Well Diameter: <u>2"</u>
Date: <u>9/14/15</u>	Purge Method: <u>LOW FLOW</u>
Purging and Sampling Rate: <u>0.3</u> L/min	Sample Method:

Time	ph	SC	DO	Temp (C)	ORP	DTW (feet)	Cumulative Volume	Observations
12:57	7.13	50	23.34	6.66	37.4	11.91	0.3L	CLEAR/NO ODOR
13:01	7.09	50	17.51	6.07	37.8	11.91	1.5	
13:05	7.06	49	16.92	5.85	24.6	11.90	2.7	
13:09	7.04	50	16.67	5.70	26.8	11.91	3.9	
13:13	7.02	50	16.50	5.67	29.2	11.91	5.1 L	
13:17	7.02	50	16.24	5.68	29.2	11.91	6.3L	
13:21	7.01	51	16.03	5.71	26.1	11.91	7.5L	

Did Well Dewater?	<u>N</u>	Start Purge Time:	<u>12:56</u>	DTW prior to sample:	<u>11.91</u>
Odor?	<u>NO</u>	Stop Purge Time:	<u>13:24</u>	Start Sample Time:	<u>13:25</u>

Notes:

Monitor Well Data Sheet

Site Name: <u>BENTLEY MALL</u>	Well/Sample ID: <u>MW-11</u>
Location: <u>FAIRBANKS, AK (INA ST)</u>	Initial Depth to Water (DTW): <u>11.10 FT</u>
Client:	Total Well Depth (TD): <u>19.91 ft</u>
Sampler: <u>DUSTIN STAHL</u>	Well Diameter: <u>2"</u>
Date: <u>9/14/2015</u>	Purge Method: <u>low flow</u>
<u>PURGE @ 0.5 L/min ^{then} → 0.3 L/min</u>	Sample Method:

Time	ph	SC	DO	Temp (C)	ORP	DTW (feet)	Cumulative Volume	Observations
10:17	6.20	116	20.36	11.08	103.6	11.10	0.5 L	CLEAR NO ODOR 0.5 L/min
10:20	6.14	68	18.88	9.07	112.7	11.10	2	
10:25	6.49	61	18.43	8.83	116.1	11.10	3.5 L	
10:29	6.50	61	17.64	8.65	100.1	11.10	5 L	
10:33	6.68	60	16.86	8.46	91.0	11.09	6.5 L	0.3 L/min
10:38	6.81	54	15.84	8.19	86.4	11.10	7.4 L	
10:42	6.86	54	15.63	8.10	77.1	11.10	8.2 L	
10:46	6.88	53	15.38	8.02	73.5	11.10	9.4 L	
10:50	6.97	52	15.12	7.93	68.5	11.10	10.6 L	
10:54	6.97	52	14.94	7.83	65.9	11.10	11.8	

Did Well Dewater?	<u>N</u>	Start Purge Time:	<u>10:17</u>	DTW prior to sample:	<u>11.10</u>
Odor? <u>NONE</u>		Stop Purge Time:	<u>10:54</u>	Start Sample Time:	<u>11:00</u>
Color <u>CLEAR</u>				Total Sample Volume:	<u>120 mL</u>

Notes: WELL CAP WAS MISSING (REPLACED), POSSIBLY REMOVED/CUT DURING PRIOR YEARS PAVING. STREET WATER RUNOFF HAD ENTERED/FLOODED THE WELL MONUMENT & POTENTIALLY ENTERING THE WELL

313 204 8477

Monitor Well Data Sheet

Site Name: <u>BENTLY MACC</u>	Well/Sample ID: <u>MW12 / MW12-0915</u>
Location:	Initial Depth to Water (DTW): <u>14.32</u>
Client:	Total Well Depth (TD): <u>18.60</u>
Sampler: <u>DESTANC</u>	Well Diameter: <u>2"</u>
Date: <u>9/16/2015</u>	Purge Method: <u>Low flow</u>
Purging and Sampling Rate: <u>0.3</u> L/min	Sample Method: <u>✓</u>

Time	ph	SC	DO	Temp (C)	ORP	DTW (feet)	Cumulative Volume	Observations
1033	8.01	36	16.98	5.65	-146.5	14.32	1.2	CLEAR NO ODOOR
1037	7.97	36	16.18	5.46	-139.7	14.32	2.4	
1041	7.95	36	15.89	5.39	-137.8	14.33	3.6	
1044	7.91	36	15.65	5.31	-136.8	14.32	4.5	

Did Well Dewater?	<u>N</u>	Start Purge Time:	<u>1029</u>	DTW prior to sample:	<u>14.32</u>
Odor?	<u>N</u>	Stop Purge Time:	<u>1045</u>	Start Sample Time:	<u>1045</u>

Notes: DP#2

Monitor Well Data Sheet

Site Name: <i>BENTLY MALL</i>	Well/Sample ID: <i>MW13 - / MW13 - 0915</i>
Location:	Initial Depth to Water (DTW): <i>14.60</i>
Client:	Total Well Depth (TD):
Sampler: <i>DUSTIN STAN</i>	Well Diameter: <i>2'</i>
Date: <i>9/16/2015</i>	Purge Method: <i>Constant/Perist</i>
Purging and Sampling Rate: <i>0.3</i> L/min	Sample Method:

Time	ph	SC	DO	Temp (C)	ORP	DTW (feet)	Cumulative Volume	Observations
<i>1112</i>	<i>7.94</i>	<i>38</i>	<i>15.32</i>	<i>5.53</i>	<i>-118.9</i>	<i>14.60</i>	<i>1.2</i>	
<i>1116</i>	<i>7.92</i>	<i>37</i>	<i>15.35</i>	<i>5.40</i>	<i>-114.1</i>	<i>14.60</i>	<i>2.4</i>	
<i>1120</i>	<i>7.90</i>	<i>37</i>	<i>15.22</i>	<i>5.38</i>	<i>-110.8</i>	<i>14.60</i>	<i>3.6</i>	
<i>1124</i>	<i>7.89</i>	<i>37</i>	<i>14.98</i>	<i>5.45</i>	<i>-114.7</i>	<i>14.60</i>	<i>4.8</i>	

Did Well Dewater?	<i>N</i>	Start Purge Time:	<i>1108</i>	DTW prior to sample:	<i>14.6</i>
Odor?	<i>N</i>	Stop Purge Time:	<i>1124</i>	Start Sample Time:	<i>1125</i>

Notes:

Monitor Well Data Sheet

Site Name: BENTLEY MALL	Well/Sample ID: SW2 / SW2-0915
Location:	Initial Depth to Water (DTW): 14.60
Client:	Total Well Depth (TD): 33.51
Sampler: DUSTIN STAHL	Well Diameter: 2"
Date: 09/15/2015	Purge Method: LOW FLOW / AERISTATIC
Purging and Sampling Rate: 0.3 L/min	Sample Method: "

Time	ph	SC	DO	Temp (C)	ORP	DTW (feet)	Cumulative Volume	Observations
11:24	7.83	37	15.71	5.97	-74.9	14.60	1.2	NO ODOR/CLEAR
11:28	7.82	36	16.07	5.53	-69.0	14.60	2.4	
11:32	7.80	35	16.13	5.34	-62.5	14.60	3.6	
11:36	7.79	36	16.04	5.26	-63.5	14.60	4.8	

Did Well Dewater?	N	Start Purge Time:	11:20	DTW prior to sample:	14.41
Odor?	No	Stop Purge Time:	11:36	Start Sample Time:	11:38

Notes:

Monitor Well Data Sheet

Site Name: <u>BENTLEY MALL</u>	Well/Sample ID: <u>GW4 / SW4-0915</u>
Location:	Initial Depth to Water (DTW): <u>14.30</u>
Client:	Total Well Depth (TD): <u>33.49</u>
Sampler: <u>JUSTIN STAHL</u>	Well Diameter: <u>2"</u>
Date: <u>09/15/2015</u>	Purge Method: <u>Low Flow / Peristaltic</u>
Purging and Sampling Rate: <u>0.3 L/min</u>	Sample Method: <u>1'</u>

Time	ph	SC	DO	Temp (C)	ORP	DTW (feet)	Cumulative Volume	Observations
1255	7.98	37	15.73	6.13	-67.7	14.31	1.2	clear / NO ODOR
1259	7.97	36	16.19	5.71	-64.5	14.31	2.4	
1303	7.97	36	16.40	5.47	-60.0	14.30	3.6	
1307	7.95	36	16.48	5.36	-51.7	14.30	4.8	
1310	7.94	36	16.48	5.27	-58.0	14.30	5.7	

Did Well Dewater?	<u>N</u>	Start Purge Time:	<u>1251</u>	DTW prior to sample:	<u>14.30</u>
Odor?	<u>No</u>	Stop Purge Time:	<u>1313</u>	Start Sample Time:	<u>1312</u>

Notes:

Monitor Well Data Sheet

Site Name: <u>BENTLEY MACC</u>	Well/Sample ID: <u>SWS / SWS-0915</u>
Location:	Initial Depth to Water (DTW): <u>14.30</u>
Client:	Total Well Depth (TD): <u>35.64</u>
Sampler: <u>DUSTIN STAHEL</u>	Well Diameter: <u>2"</u>
Date: <u>09/15/2015</u>	Purge Method: <u>Lowflow/Peristaltic</u>
Purging and Sampling Rate: <u>0.3 L/min</u>	Sample Method:

Time	ph	SC	DO	Temp (C)	ORP	DTW (feet)	Cumulative Volume	Observations
<u>1358</u>	<u>7.98</u>	<u>37</u>	<u>15.81</u>	<u>6.00</u>	<u>-207.4</u>	<u>14.30</u>	<u>1.2</u>	<u>CLEAR / NO ODOR</u>
<u>1402</u>	<u>7.93</u>	<u>37</u>	<u>16.06</u>	<u>5.78</u>	<u>-205.9</u>	<u>14.30</u>	<u>2.4</u>	
<u>1406</u>	<u>7.89</u>	<u>37</u>	<u>16.08</u>	<u>5.69</u>	<u>-200.8</u>	<u>14.30</u>	<u>3.6</u>	
<u>1410</u>			<u>1</u>					

Did Well Dewater?	<u>N</u>	Start Purge Time:	<u>13:54</u>	DTW prior to sample:	<u>14.30</u>
Odor?	<u>NO</u>	Stop Purge Time:	<u>1408</u>	Start Sample Time:	<u>1407</u>

Notes:

Monitor Well Data Sheet

Site Name: <u>BENTLEY MALL</u>	Well/Sample ID: <u>SW6 / SW6-0915</u>
Location:	Initial Depth to Water (DTW): <u>14.45</u>
Client:	Total Well Depth (TD): <u>33.32</u>
Sampler: <u>DUSTAL STAHLE</u>	Well Diameter: <u>2"</u>
Date: <u>09/15/2015</u>	Purge Method: <u>LOW FLOW / RESISTIVE</u>
Purging and Sampling Rate: <u>L/min</u>	Sample Method:

Time	ph	SC	DO	Temp (C)	ORP	DTW (feet)	Cumulative Volume	Observations
1437	7.93	38	15.67	6.53	-131.1	14.47	1.2	CLEAR / NO ODOR
1441	7.84	38	16.50	5.90	-117.7	14.46	2.4	
1445	7.80	37	16.82	5.67	-106.5	14.46	3.6	
1449	7.78	37	16.69	5.76	-100.5	14.45	4.8	
1453	7.77	37	16.50	5.93	-96.8	14.45	6.0	

Did Well Dewater?	<u>N</u>	Start Purge Time:	<u>14:33</u>	DTW prior to sample:	<u>14.45</u>
Odor?	<u>NO</u>	Stop Purge Time:	<u>1455</u>	Start Sample Time:	<u>1455</u>

Notes:

Monitor Well Data Sheet

Site Name: <u>BENTLEY MALL</u>	Well/Sample ID: <u>SW7 / SW7-0915</u>
Location:	Initial Depth to Water (DTW): <u>15.59</u>
Client:	Total Well Depth (TD): <u>33.34</u>
Sampler: <u>DUSTIN STAHC</u>	Well Diameter: <u>2'</u>
Date: <u>09/15/2015</u>	Purge Method: <u>low flow</u>
Purging and Sampling Rate: <u>0.3 L/min</u>	Sample Method:

Time	ph	SC	DO	Temp (C)	ORP	DTW (feet)	Cumulative Volume	Observations
1524	7.90	38	15.82	7.00	-208.5	15.60	1.2	
1528	7.89	38	16.43	6.52	-199.3	15.60	2.4	
1532	7.91	38	16.60	6.37	-188.0	15.61	3.6	
1536	7.92	38	16.55	6.37	-181.6	15.60	4.8	
1540	7.89	38	16.45	6.47	-178.6	15.60	6.0	

Did Well Dewater?	<u>NN</u>	Start Purge Time:	<u>1520</u>	DTW prior to sample:	<u>15.60</u>
Odor?	<u>NN</u>	Stop Purge Time:	<u>1543</u>	Start Sample Time:	<u>1542</u>

Notes:

Monitor Well Data Sheet

Site Name: <u>BENTLEY MALL</u>	Well/Sample ID: <u>SW8 / SW8-0915</u>
Location:	Initial Depth to Water (DTW): <u>13.71</u>
Client:	Total Well Depth (TD): <u>33.45</u>
Sampler: <u>D-STALL</u>	Well Diameter: <u>2"</u>
Date: <u>9/16/2015</u>	Purge Method: <u>Low Flow / PERISTALTIC</u>
Purging and Sampling Rate: <u>0.3 L/min</u>	Sample Method:

Time	ph	SC	DO	Temp (C)	ORP	DTW (feet)	Cumulative Volume	Observations
0844	8.00	31	18.79	4.66	-229.9	13.73	1.2	Sulfur Odor
0848	7.99	31	17.48	4.52	-227.4	13.72	2.4	
0852	7.99	32	16.81	4.46	-222.5	13.71	3.6	
0856	7.99	32	16.46	4.42	-216.1	13.71	4.8	
0900	7.99	32	16.22	4.44	-215.0	13.71	6.0	

Did Well Dewater?	<u>N</u>	Start Purge Time:	<u>0840</u>	DTW prior to sample:	<u>13.71</u>
Odor? <u>YES</u>		Stop Purge Time:	<u>0903</u>	Start Sample Time:	<u>0902</u>

Notes: Sulfur Odor

Monitor Well Data Sheet

Site Name: <i>BENTLY MALL</i>	Well/Sample ID: <i>Sw10 / SW10-0915</i>
Location:	Initial Depth to Water (DTW): <i>14.17</i>
Client:	Total Well Depth (TD): <i>33.20</i>
Sampler: <i>DUSTIN STALLC</i>	Well Diameter: <i>2"</i>
Date: <i>09/15/2013</i>	Purge Method: <i>LOW FLOW</i>
Purging and Sampling Rate: <i>3 L/min</i>	Sample Method:

Time	ph	SC	DO	Temp (C)	ORP	DTW (feet)	Cumulative Volume	Observations
<i>1631</i>	<i>7.82</i>	<i>40</i>	<i>15.96</i>	<i>7.62</i>	<i>-219.3</i>	<i>14.19</i>	<i>1.2</i>	<i>ODOR*</i>
<i>1635</i>	<i>7.75</i>	<i>40</i>	<i>16.63</i>	<i>7.75</i>	<i>-193.4</i>	<i>14.17</i>	<i>2.4</i>	
<i>1639</i>	<i>7.73</i>	<i>39</i>	<i>16.72</i>	<i>6.82</i>	<i>-186.1</i>	<i>14.18</i>	<i>3.6</i>	
<i>1643</i>	<i>7.71</i>	<i>39</i>	<i>16.66</i>	<i>6.71</i>	<i>-181.1</i>	<i>14.17</i>	<i>4.8</i>	
<i>1647</i>	<i>7.71</i>	<i>39</i>	<i>16.64</i>	<i>6.66</i>	<i>-177.7</i>	<i>14.17</i>	<i>6.0</i>	

Did Well Dewater?	<i>N</i>	Start Purge Time:	<i>1627</i>	DTW prior to sample:	<i>14.17</i>
Odor?	<i>YES</i>	Stop Purge Time:	<i>1651</i>	Start Sample Time:	<i>1649</i>

Notes* *ABNORMAL Sulfur like odor*

Monitor Well Data Sheet

Site Name: <u>BENTLEY MACC</u>	Well/Sample ID: <u>SW12- / SW12-0915</u>
Location:	Initial Depth to Water (DTW): <u>13.99</u>
Client:	Total Well Depth (TD): <u>13.99 32.82</u>
Sampler: <u>D. STAFFE</u>	Well Diameter: <u>2"</u>
Date: <u>09/16/2015</u>	Purge Method: <u>L^f/P₅r.</u>
Purging and Sampling Rate: <u>L/min</u>	Sample Method:

Time	ph	SC	DO	Temp (C)	ORP	DTW (feet)	Cumulative Volume	Observations
0927	8.02	35	15.82	4.98	-217.2	13.99	1.2	
0931	7.97	34	16.10	4.72	-224.4	13.99	2.4	
0935	7.96	34	16.12	4.64	-219.2	13.99	3.6	
0939	7.95	34	16.19	4.54	-211.9	13.99	4.8	

Did Well Dewater?	<u>N</u>	Start Purge Time:	<u>0923</u>	DTW prior to sample:	<u>13.99</u>
Odor?	<u>N</u>	Stop Purge Time:	<u>0943</u>	Start Sample Time:	<u>0942</u>

Notes:

APPENDIX B: LABORATORY ANALYTICAL REPORTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

TestAmerica Job ID: 320-15044-1
Client Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G
Revision: 1

For:
Environmental Resource Group, Inc.
1038 Redwood Highway, Suite 1
Mill Valley, California 94941

Attn: Chris Kemnitzer

Cesar C Cortes

Authorized for release by:
10/26/2015 10:20:06 AM
Cesar Cortes, Project Management Assistant I
cesar.cortes@testamericainc.com

Designee for
Jill Kellmann, Manager of Project Management
(916)374-4402
jill.kellmann@testamericainc.com

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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.

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Definitions/Glossary

Client: Environmental Resource Group, Inc.
Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Qualifiers

GC/MS 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.

Glossary

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

Case Narrative

Client: Environmental Resource Group, Inc.
Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Job ID: 320-15044-1

Laboratory: TestAmerica Sacramento

Narrative

Revision--October 26, 2015

Sample 320-15044-20 was labeled incorrectly on both the container and chain of custody. Client submitted that "sample was mislabeled in the field and should be SW12-0915" and not SW11-0915.

Receipt

The samples were received on 9/22/2015 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.7° C.

GC/MS VOA

Method(s) 8260C:

Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with 86996, 87023, and 87098.

The following samples was diluted to bring the concentration of target analytes within the calibration range: MW1-0915 (320-15044-1), MW2-0915 (320-15044-2), MW5-0915 (320-15044-5), MW12-0915 (320-15044-11), SW5-0915 (320-15044-15), SW6-0915 (320-15044-16), SW7-0915 (320-15044-17) and DUP2-0915 (320-15044-22). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: MW1-0915

Lab Sample ID: 320-15044-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Bromodichloromethane	0.60	J	1.0	0.14	ug/L	1		8260C	Total/NA
Chloroform	15		1.0	0.12	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	3.3		1.0	0.22	ug/L	1		8260C	Total/NA
1,1-Dichloroethylene	0.37	J	1.0	0.14	ug/L	1		8260C	Total/NA
Trichloroethylene	1.8		1.0	0.13	ug/L	1		8260C	Total/NA
Trichlorofluoromethane	47		1.0	0.23	ug/L	1		8260C	Total/NA
Tetrachloroethylene - DL	320		10	1.0	ug/L	10		8260C	Total/NA

Client Sample ID: MW2-0915

Lab Sample ID: 320-15044-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	5.0		1.0	0.12	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethylene	8.5		1.0	0.10	ug/L	1		8260C	Total/NA
1,1-Dichloroethylene	0.46	J	1.0	0.14	ug/L	1		8260C	Total/NA
1,2-Dichloroethylene, trans-	0.42	J	1.0	0.11	ug/L	1		8260C	Total/NA
Trichloroethylene	2.9		1.0	0.13	ug/L	1		8260C	Total/NA
Trichlorofluoromethane	23		1.0	0.23	ug/L	1		8260C	Total/NA
Tetrachloroethylene - DL	250		10	1.0	ug/L	10		8260C	Total/NA

Client Sample ID: MW3-0915

Lab Sample ID: 320-15044-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.46	J	1.0	0.12	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethylene	0.24	J	1.0	0.10	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	0.47	J	1.0	0.22	ug/L	1		8260C	Total/NA
1,1-Dichloroethylene	0.58	J	1.0	0.14	ug/L	1		8260C	Total/NA
1,1,1,2-Tetrachloroethane	0.11	J	1.0	0.090	ug/L	1		8260C	Total/NA
Tetrachloroethylene	0.92	J	1.0	0.10	ug/L	1		8260C	Total/NA
Trichloroethylene	0.17	J	1.0	0.13	ug/L	1		8260C	Total/NA
Trichlorofluoromethane	1.3		1.0	0.23	ug/L	1		8260C	Total/NA

Client Sample ID: MW4-0915

Lab Sample ID: 320-15044-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethylene	0.97	J	1.0	0.10	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	0.30	J	1.0	0.22	ug/L	1		8260C	Total/NA
1,1-Dichloroethylene	0.99	J	1.0	0.14	ug/L	1		8260C	Total/NA
1,2-Dichloroethylene, trans-	3.8		1.0	0.11	ug/L	1		8260C	Total/NA
Tetrachloroethylene	48		1.0	0.10	ug/L	1		8260C	Total/NA
Trichloroethylene	4.2		1.0	0.13	ug/L	1		8260C	Total/NA
Trichlorofluoromethane	4.3		1.0	0.23	ug/L	1		8260C	Total/NA

Client Sample ID: MW5-0915

Lab Sample ID: 320-15044-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.7		1.0	0.12	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethylene	2.5		1.0	0.10	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	0.62	J	1.0	0.22	ug/L	1		8260C	Total/NA
1,1-Dichloroethylene	0.91	J	1.0	0.14	ug/L	1		8260C	Total/NA
1,2-Dichloroethylene, trans-	0.35	J	1.0	0.11	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: MW5-0915 (Continued)

Lab Sample ID: 320-15044-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	0.11	J	1.0	0.090	ug/L	1		8260C	Total/NA
Trichloroethylene	27		1.0	0.13	ug/L	1		8260C	Total/NA
Trichlorofluoromethane	4.0		1.0	0.23	ug/L	1		8260C	Total/NA
Tetrachloroethylene - DL	140		5.0	0.50	ug/L	5		8260C	Total/NA

Client Sample ID: MW6-0915

Lab Sample ID: 320-15044-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.3		1.0	0.12	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethylene	2.3		1.0	0.10	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	0.53	J	1.0	0.22	ug/L	1		8260C	Total/NA
1,1-Dichloroethylene	0.88	J	1.0	0.14	ug/L	1		8260C	Total/NA
1,2-Dichloroethylene, trans-	0.19	J	1.0	0.11	ug/L	1		8260C	Total/NA
Tetrachloroethylene	66		1.0	0.10	ug/L	1		8260C	Total/NA
Trichloroethylene	7.3		1.0	0.13	ug/L	1		8260C	Total/NA
Trichlorofluoromethane	4.3		1.0	0.23	ug/L	1		8260C	Total/NA

Client Sample ID: MW7-0915

Lab Sample ID: 320-15044-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethylene	3.3		1.0	0.10	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	0.44	J	1.0	0.22	ug/L	1		8260C	Total/NA
1,1-Dichloroethylene	0.44	J	1.0	0.14	ug/L	1		8260C	Total/NA
1,2-Dichloroethylene, trans-	0.33	J	1.0	0.11	ug/L	1		8260C	Total/NA
Tetrachloroethylene	9.3		1.0	0.10	ug/L	1		8260C	Total/NA
Trichloroethylene	3.9		1.0	0.13	ug/L	1		8260C	Total/NA

Client Sample ID: MW9-0915

Lab Sample ID: 320-15044-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	3.9		1.0	0.12	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethylene	2.8		1.0	0.10	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	0.32	J	1.0	0.22	ug/L	1		8260C	Total/NA
1,1-Dichloroethylene	0.45	J	1.0	0.14	ug/L	1		8260C	Total/NA
1,2-Dichloroethylene, trans-	1.7		1.0	0.11	ug/L	1		8260C	Total/NA
Tetrachloroethylene	36		1.0	0.10	ug/L	1		8260C	Total/NA
Trichloroethylene	11		1.0	0.13	ug/L	1		8260C	Total/NA

Client Sample ID: MW10-0915

Lab Sample ID: 320-15044-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethane	0.37	J	1.0	0.22	ug/L	1		8260C	Total/NA
1,1-Dichloroethylene	0.44	J	1.0	0.14	ug/L	1		8260C	Total/NA
Tetrachloroethylene	20		1.0	0.10	ug/L	1		8260C	Total/NA
Trichloroethylene	3.0		1.0	0.13	ug/L	1		8260C	Total/NA

Client Sample ID: MW11-0915

Lab Sample ID: 320-15044-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethylene, trans-	0.69	J	1.0	0.11	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: MW11-0915 (Continued)

Lab Sample ID: 320-15044-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethylene	2.6		1.0	0.10	ug/L	1		8260C	Total/NA
Trichloroethylene	0.88	J	1.0	0.13	ug/L	1		8260C	Total/NA
Trichlorofluoromethane	2.1		1.0	0.23	ug/L	1		8260C	Total/NA

Client Sample ID: MW12-0915

Lab Sample ID: 320-15044-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.6		1.0	0.12	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethylene	1.2		1.0	0.10	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	0.40	J	1.0	0.22	ug/L	1		8260C	Total/NA
1,1-Dichloroethylene	0.81	J	1.0	0.14	ug/L	1		8260C	Total/NA
1,2-Dichloroethylene, trans-	0.12	J	1.0	0.11	ug/L	1		8260C	Total/NA
Trichloroethylene	20		1.0	0.13	ug/L	1		8260C	Total/NA
Trichlorofluoromethane	2.2		1.0	0.23	ug/L	1		8260C	Total/NA
Tetrachloroethylene - DL	430		10	1.0	ug/L	10		8260C	Total/NA

Client Sample ID: MW13-0915

Lab Sample ID: 320-15044-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.3		1.0	0.12	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	0.34	J	1.0	0.22	ug/L	1		8260C	Total/NA
1,1-Dichloroethylene	0.80	J	1.0	0.14	ug/L	1		8260C	Total/NA
Tetrachloroethylene	13		1.0	0.10	ug/L	1		8260C	Total/NA
Trichloroethylene	0.19	J	1.0	0.13	ug/L	1		8260C	Total/NA
Trichlorofluoromethane	0.95	J	1.0	0.23	ug/L	1		8260C	Total/NA

Client Sample ID: SW2-0915

Lab Sample ID: 320-15044-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.5		1.0	0.12	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	0.65	J	1.0	0.22	ug/L	1		8260C	Total/NA
1,1-Dichloroethylene	1.2		1.0	0.14	ug/L	1		8260C	Total/NA
Tetrachloroethylene	2.7		1.0	0.10	ug/L	1		8260C	Total/NA
Trichlorofluoromethane	3.5		1.0	0.23	ug/L	1		8260C	Total/NA

Client Sample ID: SW4-0915

Lab Sample ID: 320-15044-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	3.8		1.0	0.12	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethylene	0.42	J	1.0	0.10	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	0.66	J	1.0	0.22	ug/L	1		8260C	Total/NA
1,1-Dichloroethylene	1.0		1.0	0.14	ug/L	1		8260C	Total/NA
Tetrachloroethylene	12		1.0	0.10	ug/L	1		8260C	Total/NA
Trichloroethylene	0.21	J	1.0	0.13	ug/L	1		8260C	Total/NA
Trichlorofluoromethane	4.4		1.0	0.23	ug/L	1		8260C	Total/NA

Client Sample ID: SW5-0915

Lab Sample ID: 320-15044-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.5		1.0	0.12	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: SW5-0915 (Continued)

Lab Sample ID: 320-15044-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethylene	0.54	J	1.0	0.10	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	0.82	J	1.0	0.22	ug/L	1		8260C	Total/NA
1,1-Dichloroethylene	1.3		1.0	0.14	ug/L	1		8260C	Total/NA
1,2-Dichloroethylene, trans-	0.11	J	1.0	0.11	ug/L	1		8260C	Total/NA
Trichloroethylene	4.5		1.0	0.13	ug/L	1		8260C	Total/NA
Trichlorofluoromethane	3.5		1.0	0.23	ug/L	1		8260C	Total/NA
Tetrachloroethylene - DL	150		5.0	0.50	ug/L	5		8260C	Total/NA

Client Sample ID: SW6-0915

Lab Sample ID: 320-15044-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.87	J	1.0	0.12	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethylene	0.45	J	1.0	0.10	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	0.72	J	1.0	0.22	ug/L	1		8260C	Total/NA
1,1-Dichloroethylene	0.82	J	1.0	0.14	ug/L	1		8260C	Total/NA
1,2-Dichloroethylene, trans-	0.14	J	1.0	0.11	ug/L	1		8260C	Total/NA
Trichloroethylene	0.67	J	1.0	0.13	ug/L	1		8260C	Total/NA
Trichlorofluoromethane	2.1		1.0	0.23	ug/L	1		8260C	Total/NA
Tetrachloroethylene - DL	96		2.0	0.20	ug/L	2		8260C	Total/NA

Client Sample ID: SW7-0915

Lab Sample ID: 320-15044-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.84	J	1.0	0.12	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	0.67	J	1.0	0.22	ug/L	1		8260C	Total/NA
1,1-Dichloroethylene	0.85	J	1.0	0.14	ug/L	1		8260C	Total/NA
1,2-Dichloroethylene, trans-	0.15	J	1.0	0.11	ug/L	1		8260C	Total/NA
Trichloroethylene	1.5		1.0	0.13	ug/L	1		8260C	Total/NA
Trichlorofluoromethane	1.8		1.0	0.23	ug/L	1		8260C	Total/NA
Tetrachloroethylene - DL	110		2.0	0.20	ug/L	2		8260C	Total/NA

Client Sample ID: SW8-0915

Lab Sample ID: 320-15044-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.31	J	1.0	0.12	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethylene	0.67	J	1.0	0.10	ug/L	1		8260C	Total/NA
Dichlorodifluoromethane	0.18	J	1.0	0.16	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	0.67	J	1.0	0.22	ug/L	1		8260C	Total/NA
1,1-Dichloroethylene	1.1		1.0	0.14	ug/L	1		8260C	Total/NA
1,2-Dichloroethylene, trans-	0.30	J	1.0	0.11	ug/L	1		8260C	Total/NA
1,1,2,2-Tetrachloroethane	0.20	J	1.0	0.090	ug/L	1		8260C	Total/NA
Tetrachloroethylene	4.6		1.0	0.10	ug/L	1		8260C	Total/NA
Trichloroethylene	0.75	J	1.0	0.13	ug/L	1		8260C	Total/NA
Trichlorofluoromethane	0.96	J	1.0	0.23	ug/L	1		8260C	Total/NA

Client Sample ID: SW10-0915

Lab Sample ID: 320-15044-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.6		1.0	0.12	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	0.84	J	1.0	0.22	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Detection Summary

Client: Environmental Resource Group, Inc.
Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: SW10-0915 (Continued)

Lab Sample ID: 320-15044-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethylene	1.2		1.0	0.14	ug/L	1		8260C	Total/NA
Tetrachloroethylene	4.7		1.0	0.10	ug/L	1		8260C	Total/NA
Trichloroethylene	0.19	J	1.0	0.13	ug/L	1		8260C	Total/NA
Trichlorofluoromethane	3.0		1.0	0.23	ug/L	1		8260C	Total/NA

Client Sample ID: SW12-0915

Lab Sample ID: 320-15044-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.8		1.0	0.12	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethylene	0.50	J	1.0	0.10	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	0.71	J	1.0	0.22	ug/L	1		8260C	Total/NA
1,1-Dichloroethylene	1.3		1.0	0.14	ug/L	1		8260C	Total/NA
Tetrachloroethylene	63		1.0	0.10	ug/L	1		8260C	Total/NA
Trichloroethylene	0.38	J	1.0	0.13	ug/L	1		8260C	Total/NA
Trichlorofluoromethane	3.7		1.0	0.23	ug/L	1		8260C	Total/NA

Client Sample ID: DUP1-0915

Lab Sample ID: 320-15044-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.46	J	1.0	0.12	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	0.52	J	1.0	0.22	ug/L	1		8260C	Total/NA
1,1-Dichloroethylene	0.62	J	1.0	0.14	ug/L	1		8260C	Total/NA
Tetrachloroethylene	0.72	J	1.0	0.10	ug/L	1		8260C	Total/NA
Trichloroethylene	0.15	J	1.0	0.13	ug/L	1		8260C	Total/NA
Trichlorofluoromethane	1.2		1.0	0.23	ug/L	1		8260C	Total/NA

Client Sample ID: DUP2-0915

Lab Sample ID: 320-15044-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.7		1.0	0.12	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethylene	1.2		1.0	0.10	ug/L	1		8260C	Total/NA
1,2-Dichloroethane	0.46	J	1.0	0.22	ug/L	1		8260C	Total/NA
1,1-Dichloroethylene	0.93	J	1.0	0.14	ug/L	1		8260C	Total/NA
Trichloroethylene	20		1.0	0.13	ug/L	1		8260C	Total/NA
Trichlorofluoromethane	2.1		1.0	0.23	ug/L	1		8260C	Total/NA
Tetrachloroethylene - DL	420		10	1.0	ug/L	10		8260C	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 320-15044-23

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Sacramento

Client Sample Results

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: MW1-0915

Lab Sample ID: 320-15044-1

Date Collected: 09/14/15 14:16

Matrix: Water

Date Received: 09/22/15 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	0.60	J	1.0	0.14	ug/L			09/23/15 16:00	1
Bromoform	ND		1.0	0.10	ug/L			09/23/15 16:00	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/23/15 16:00	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/23/15 16:00	1
Chloroethane	ND		1.0	0.34	ug/L			09/23/15 16:00	1
Chloroform	15		1.0	0.12	ug/L			09/23/15 16:00	1
cis-1,2-Dichloroethylene	ND		1.0	0.10	ug/L			09/23/15 16:00	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/23/15 16:00	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/23/15 16:00	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/23/15 16:00	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/23/15 16:00	1
1,2-Dichloroethane	3.3		1.0	0.22	ug/L			09/23/15 16:00	1
1,1-Dichloroethylene	0.37	J	1.0	0.14	ug/L			09/23/15 16:00	1
1,2-Dichloroethylene, trans-	ND		1.0	0.11	ug/L			09/23/15 16:00	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/23/15 16:00	1
1,4-Dioxane	ND		50	25	ug/L			09/23/15 16:00	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/23/15 16:00	1
Methyl bromide	ND		1.0	0.29	ug/L			09/23/15 16:00	1
Methyl chloride	ND		1.0	0.25	ug/L			09/23/15 16:00	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/23/15 16:00	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/23/15 16:00	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/23/15 16:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/23/15 16:00	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/23/15 16:00	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/23/15 16:00	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/23/15 16:00	1
Trichloroethylene	1.8		1.0	0.13	ug/L			09/23/15 16:00	1
Trichlorofluoromethane	47		1.0	0.23	ug/L			09/23/15 16:00	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/23/15 16:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		74 - 120		09/23/15 16:00	1
Dibromofluoromethane (Surr)	99		80 - 123		09/23/15 16:00	1
1,2-Dichloroethane-d4 (Surr)	96		72 - 123		09/23/15 16:00	1
Toluene-d8 (Surr)	98		78 - 120		09/23/15 16:00	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethylene	320		10	1.0	ug/L			09/24/15 14:02	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		74 - 120		09/24/15 14:02	10
Dibromofluoromethane (Surr)	99		80 - 123		09/24/15 14:02	10
1,2-Dichloroethane-d4 (Surr)	99		72 - 123		09/24/15 14:02	10
Toluene-d8 (Surr)	99		78 - 120		09/24/15 14:02	10

TestAmerica Sacramento

Client Sample Results

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: MW2-0915

Lab Sample ID: 320-15044-2

Date Collected: 09/14/15 14:54

Matrix: Water

Date Received: 09/22/15 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/23/15 16:23	1
Bromoform	ND		1.0	0.10	ug/L			09/23/15 16:23	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/23/15 16:23	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/23/15 16:23	1
Chloroethane	ND		1.0	0.34	ug/L			09/23/15 16:23	1
Chloroform	5.0		1.0	0.12	ug/L			09/23/15 16:23	1
cis-1,2-Dichloroethylene	8.5		1.0	0.10	ug/L			09/23/15 16:23	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/23/15 16:23	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/23/15 16:23	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/23/15 16:23	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/23/15 16:23	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			09/23/15 16:23	1
1,1-Dichloroethylene	0.46	J	1.0	0.14	ug/L			09/23/15 16:23	1
1,2-Dichloroethylene, trans-	0.42	J	1.0	0.11	ug/L			09/23/15 16:23	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/23/15 16:23	1
1,4-Dioxane	ND		50	25	ug/L			09/23/15 16:23	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/23/15 16:23	1
Methyl bromide	ND		1.0	0.29	ug/L			09/23/15 16:23	1
Methyl chloride	ND		1.0	0.25	ug/L			09/23/15 16:23	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/23/15 16:23	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/23/15 16:23	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/23/15 16:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/23/15 16:23	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/23/15 16:23	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/23/15 16:23	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/23/15 16:23	1
Trichloroethylene	2.9		1.0	0.13	ug/L			09/23/15 16:23	1
Trichlorofluoromethane	23		1.0	0.23	ug/L			09/23/15 16:23	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/23/15 16:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		74 - 120		09/23/15 16:23	1
Dibromofluoromethane (Surr)	98		80 - 123		09/23/15 16:23	1
1,2-Dichloroethane-d4 (Surr)	97		72 - 123		09/23/15 16:23	1
Toluene-d8 (Surr)	98		78 - 120		09/23/15 16:23	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethylene	250		10	1.0	ug/L			09/24/15 14:25	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		74 - 120		09/24/15 14:25	10
Dibromofluoromethane (Surr)	100		80 - 123		09/24/15 14:25	10
1,2-Dichloroethane-d4 (Surr)	100		72 - 123		09/24/15 14:25	10
Toluene-d8 (Surr)	99		78 - 120		09/24/15 14:25	10

TestAmerica Sacramento

Client Sample Results

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: MW3-0915

Lab Sample ID: 320-15044-3

Date Collected: 09/15/15 09:05

Matrix: Water

Date Received: 09/22/15 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/23/15 16:45	1
Bromoform	ND		1.0	0.10	ug/L			09/23/15 16:45	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/23/15 16:45	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/23/15 16:45	1
Chloroethane	ND		1.0	0.34	ug/L			09/23/15 16:45	1
Chloroform	0.46	J	1.0	0.12	ug/L			09/23/15 16:45	1
cis-1,2-Dichloroethylene	0.24	J	1.0	0.10	ug/L			09/23/15 16:45	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/23/15 16:45	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/23/15 16:45	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/23/15 16:45	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/23/15 16:45	1
1,2-Dichloroethane	0.47	J	1.0	0.22	ug/L			09/23/15 16:45	1
1,1-Dichloroethylene	0.58	J	1.0	0.14	ug/L			09/23/15 16:45	1
1,2-Dichloroethylene, trans-	ND		1.0	0.11	ug/L			09/23/15 16:45	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/23/15 16:45	1
1,4-Dioxane	ND		50	25	ug/L			09/23/15 16:45	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/23/15 16:45	1
Methyl bromide	ND		1.0	0.29	ug/L			09/23/15 16:45	1
Methyl chloride	ND		1.0	0.25	ug/L			09/23/15 16:45	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/23/15 16:45	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/23/15 16:45	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/23/15 16:45	1
1,1,2,2-Tetrachloroethane	0.11	J	1.0	0.090	ug/L			09/23/15 16:45	1
Tetrachloroethylene	0.92	J	1.0	0.10	ug/L			09/23/15 16:45	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/23/15 16:45	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/23/15 16:45	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/23/15 16:45	1
Trichloroethylene	0.17	J	1.0	0.13	ug/L			09/23/15 16:45	1
Trichlorofluoromethane	1.3		1.0	0.23	ug/L			09/23/15 16:45	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/23/15 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		74 - 120		09/23/15 16:45	1
Dibromofluoromethane (Surr)	100		80 - 123		09/23/15 16:45	1
1,2-Dichloroethane-d4 (Surr)	98		72 - 123		09/23/15 16:45	1
Toluene-d8 (Surr)	99		78 - 120		09/23/15 16:45	1

Client Sample ID: MW4-0915

Lab Sample ID: 320-15044-4

Date Collected: 09/15/15 09:55

Matrix: Water

Date Received: 09/22/15 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/23/15 17:07	1
Bromoform	ND		1.0	0.10	ug/L			09/23/15 17:07	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/23/15 17:07	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/23/15 17:07	1
Chloroethane	ND		1.0	0.34	ug/L			09/23/15 17:07	1
Chloroform	ND		1.0	0.12	ug/L			09/23/15 17:07	1
cis-1,2-Dichloroethylene	0.97	J	1.0	0.10	ug/L			09/23/15 17:07	1

TestAmerica Sacramento

Client Sample Results

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: MW4-0915

Lab Sample ID: 320-15044-4

Date Collected: 09/15/15 09:55

Matrix: Water

Date Received: 09/22/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/23/15 17:07	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/23/15 17:07	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/23/15 17:07	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/23/15 17:07	1
1,2-Dichloroethane	0.30	J	1.0	0.22	ug/L			09/23/15 17:07	1
1,1-Dichloroethylene	0.99	J	1.0	0.14	ug/L			09/23/15 17:07	1
1,2-Dichloroethylene, trans-	3.8		1.0	0.11	ug/L			09/23/15 17:07	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/23/15 17:07	1
1,4-Dioxane	ND		50	25	ug/L			09/23/15 17:07	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/23/15 17:07	1
Methyl bromide	ND		1.0	0.29	ug/L			09/23/15 17:07	1
Methyl chloride	ND		1.0	0.25	ug/L			09/23/15 17:07	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/23/15 17:07	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/23/15 17:07	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/23/15 17:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/23/15 17:07	1
Tetrachloroethylene	48		1.0	0.10	ug/L			09/23/15 17:07	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/23/15 17:07	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/23/15 17:07	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/23/15 17:07	1
Trichloroethylene	4.2		1.0	0.13	ug/L			09/23/15 17:07	1
Trichlorofluoromethane	4.3		1.0	0.23	ug/L			09/23/15 17:07	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/23/15 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		74 - 120		09/23/15 17:07	1
Dibromofluoromethane (Surr)	97		80 - 123		09/23/15 17:07	1
1,2-Dichloroethane-d4 (Surr)	97		72 - 123		09/23/15 17:07	1
Toluene-d8 (Surr)	98		78 - 120		09/23/15 17:07	1

Client Sample ID: MW5-0915

Lab Sample ID: 320-15044-5

Date Collected: 09/16/15 12:10

Matrix: Water

Date Received: 09/22/15 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/23/15 17:29	1
Bromoform	ND		1.0	0.10	ug/L			09/23/15 17:29	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/23/15 17:29	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/23/15 17:29	1
Chloroethane	ND		1.0	0.34	ug/L			09/23/15 17:29	1
Chloroform	1.7		1.0	0.12	ug/L			09/23/15 17:29	1
cis-1,2-Dichloroethylene	2.5		1.0	0.10	ug/L			09/23/15 17:29	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/23/15 17:29	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/23/15 17:29	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/23/15 17:29	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/23/15 17:29	1
1,2-Dichloroethane	0.62	J	1.0	0.22	ug/L			09/23/15 17:29	1
1,1-Dichloroethylene	0.91	J	1.0	0.14	ug/L			09/23/15 17:29	1
1,2-Dichloroethylene, trans-	0.35	J	1.0	0.11	ug/L			09/23/15 17:29	1

TestAmerica Sacramento

Client Sample Results

Client: Environmental Resource Group, Inc.
Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: MW5-0915

Lab Sample ID: 320-15044-5

Date Collected: 09/16/15 12:10

Matrix: Water

Date Received: 09/22/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/23/15 17:29	1
1,4-Dioxane	ND		50	25	ug/L			09/23/15 17:29	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/23/15 17:29	1
Methyl bromide	ND		1.0	0.29	ug/L			09/23/15 17:29	1
Methyl chloride	ND		1.0	0.25	ug/L			09/23/15 17:29	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/23/15 17:29	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/23/15 17:29	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/23/15 17:29	1
1,1,2,2-Tetrachloroethane	0.11	J	1.0	0.090	ug/L			09/23/15 17:29	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/23/15 17:29	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/23/15 17:29	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/23/15 17:29	1
Trichloroethylene	27		1.0	0.13	ug/L			09/23/15 17:29	1
Trichlorofluoromethane	4.0		1.0	0.23	ug/L			09/23/15 17:29	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/23/15 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		74 - 120					09/23/15 17:29	1
Dibromofluoromethane (Surr)	100		80 - 123					09/23/15 17:29	1
1,2-Dichloroethane-d4 (Surr)	100		72 - 123					09/23/15 17:29	1
Toluene-d8 (Surr)	99		78 - 120					09/23/15 17:29	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethylene	140		5.0	0.50	ug/L			09/24/15 14:48	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		74 - 120					09/24/15 14:48	5
Dibromofluoromethane (Surr)	98		80 - 123					09/24/15 14:48	5
1,2-Dichloroethane-d4 (Surr)	98		72 - 123					09/24/15 14:48	5
Toluene-d8 (Surr)	97		78 - 120					09/24/15 14:48	5

Client Sample ID: MW6-0915

Lab Sample ID: 320-15044-6

Date Collected: 09/16/15 12:45

Matrix: Water

Date Received: 09/22/15 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/23/15 17:52	1
Bromoform	ND		1.0	0.10	ug/L			09/23/15 17:52	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/23/15 17:52	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/23/15 17:52	1
Chloroethane	ND		1.0	0.34	ug/L			09/23/15 17:52	1
Chloroform	1.3		1.0	0.12	ug/L			09/23/15 17:52	1
cis-1,2-Dichloroethylene	2.3		1.0	0.10	ug/L			09/23/15 17:52	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/23/15 17:52	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/23/15 17:52	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/23/15 17:52	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/23/15 17:52	1
1,2-Dichloroethane	0.53	J	1.0	0.22	ug/L			09/23/15 17:52	1

TestAmerica Sacramento

Client Sample Results

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: MW6-0915

Lab Sample ID: 320-15044-6

Date Collected: 09/16/15 12:45

Matrix: Water

Date Received: 09/22/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethylene	0.88	J	1.0	0.14	ug/L			09/23/15 17:52	1
1,2-Dichloroethylene, trans-	0.19	J	1.0	0.11	ug/L			09/23/15 17:52	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/23/15 17:52	1
1,4-Dioxane	ND		50	25	ug/L			09/23/15 17:52	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/23/15 17:52	1
Methyl bromide	ND		1.0	0.29	ug/L			09/23/15 17:52	1
Methyl chloride	ND		1.0	0.25	ug/L			09/23/15 17:52	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/23/15 17:52	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/23/15 17:52	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/23/15 17:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/23/15 17:52	1
Tetrachloroethylene	66		1.0	0.10	ug/L			09/23/15 17:52	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/23/15 17:52	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/23/15 17:52	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/23/15 17:52	1
Trichloroethylene	7.3		1.0	0.13	ug/L			09/23/15 17:52	1
Trichlorofluoromethane	4.3		1.0	0.23	ug/L			09/23/15 17:52	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/23/15 17:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		74 - 120					09/23/15 17:52	1
Dibromofluoromethane (Surr)	98		80 - 123					09/23/15 17:52	1
1,2-Dichloroethane-d4 (Surr)	97		72 - 123					09/23/15 17:52	1
Toluene-d8 (Surr)	99		78 - 120					09/23/15 17:52	1

Client Sample ID: MW7-0915

Lab Sample ID: 320-15044-7

Date Collected: 09/16/15 13:11

Matrix: Water

Date Received: 09/22/15 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/23/15 18:14	1
Bromoform	ND		1.0	0.10	ug/L			09/23/15 18:14	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/23/15 18:14	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/23/15 18:14	1
Chloroethane	ND		1.0	0.34	ug/L			09/23/15 18:14	1
Chloroform	ND		1.0	0.12	ug/L			09/23/15 18:14	1
cis-1,2-Dichloroethylene	3.3		1.0	0.10	ug/L			09/23/15 18:14	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/23/15 18:14	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/23/15 18:14	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/23/15 18:14	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/23/15 18:14	1
1,2-Dichloroethane	0.44	J	1.0	0.22	ug/L			09/23/15 18:14	1
1,1-Dichloroethylene	0.44	J	1.0	0.14	ug/L			09/23/15 18:14	1
1,2-Dichloroethylene, trans-	0.33	J	1.0	0.11	ug/L			09/23/15 18:14	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/23/15 18:14	1
1,4-Dioxane	ND		50	25	ug/L			09/23/15 18:14	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/23/15 18:14	1
Methyl bromide	ND		1.0	0.29	ug/L			09/23/15 18:14	1
Methyl chloride	ND		1.0	0.25	ug/L			09/23/15 18:14	1

TestAmerica Sacramento

Client Sample Results

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: MW7-0915

Lab Sample ID: 320-15044-7

Date Collected: 09/16/15 13:11

Matrix: Water

Date Received: 09/22/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.35	ug/L			09/23/15 18:14	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/23/15 18:14	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/23/15 18:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/23/15 18:14	1
Tetrachloroethylene	9.3		1.0	0.10	ug/L			09/23/15 18:14	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/23/15 18:14	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/23/15 18:14	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/23/15 18:14	1
Trichloroethylene	3.9		1.0	0.13	ug/L			09/23/15 18:14	1
Trichlorofluoromethane	ND		1.0	0.23	ug/L			09/23/15 18:14	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/23/15 18:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		74 - 120					09/23/15 18:14	1
Dibromofluoromethane (Surr)	100		80 - 123					09/23/15 18:14	1
1,2-Dichloroethane-d4 (Surr)	99		72 - 123					09/23/15 18:14	1
Toluene-d8 (Surr)	100		78 - 120					09/23/15 18:14	1

Client Sample ID: MW9-0915

Lab Sample ID: 320-15044-8

Date Collected: 09/14/15 12:15

Matrix: Water

Date Received: 09/22/15 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/23/15 18:37	1
Bromoform	ND		1.0	0.10	ug/L			09/23/15 18:37	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/23/15 18:37	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/23/15 18:37	1
Chloroethane	ND		1.0	0.34	ug/L			09/23/15 18:37	1
Chloroform	3.9		1.0	0.12	ug/L			09/23/15 18:37	1
cis-1,2-Dichloroethylene	2.8		1.0	0.10	ug/L			09/23/15 18:37	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/23/15 18:37	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/23/15 18:37	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/23/15 18:37	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/23/15 18:37	1
1,2-Dichloroethane	0.32	J	1.0	0.22	ug/L			09/23/15 18:37	1
1,1-Dichloroethylene	0.45	J	1.0	0.14	ug/L			09/23/15 18:37	1
1,2-Dichloroethylene, trans-	1.7		1.0	0.11	ug/L			09/23/15 18:37	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/23/15 18:37	1
1,4-Dioxane	ND		50	25	ug/L			09/23/15 18:37	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/23/15 18:37	1
Methyl bromide	ND		1.0	0.29	ug/L			09/23/15 18:37	1
Methyl chloride	ND		1.0	0.25	ug/L			09/23/15 18:37	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/23/15 18:37	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/23/15 18:37	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/23/15 18:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/23/15 18:37	1
Tetrachloroethylene	36		1.0	0.10	ug/L			09/23/15 18:37	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/23/15 18:37	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/23/15 18:37	1

TestAmerica Sacramento

Client Sample Results

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: MW9-0915

Lab Sample ID: 320-15044-8

Date Collected: 09/14/15 12:15

Matrix: Water

Date Received: 09/22/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/23/15 18:37	1
Trichloroethylene	11		1.0	0.13	ug/L			09/23/15 18:37	1
Trichlorofluoromethane	ND		1.0	0.23	ug/L			09/23/15 18:37	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/23/15 18:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		74 - 120					09/23/15 18:37	1
Dibromofluoromethane (Surr)	95		80 - 123					09/23/15 18:37	1
1,2-Dichloroethane-d4 (Surr)	97		72 - 123					09/23/15 18:37	1
Toluene-d8 (Surr)	97		78 - 120					09/23/15 18:37	1

Client Sample ID: MW10-0915

Lab Sample ID: 320-15044-9

Date Collected: 09/14/15 13:25

Matrix: Water

Date Received: 09/22/15 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/23/15 19:00	1
Bromoform	ND		1.0	0.10	ug/L			09/23/15 19:00	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/23/15 19:00	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/23/15 19:00	1
Chloroethane	ND		1.0	0.34	ug/L			09/23/15 19:00	1
Chloroform	ND		1.0	0.12	ug/L			09/23/15 19:00	1
cis-1,2-Dichloroethylene	ND		1.0	0.10	ug/L			09/23/15 19:00	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/23/15 19:00	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/23/15 19:00	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/23/15 19:00	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/23/15 19:00	1
1,2-Dichloroethane	0.37	J	1.0	0.22	ug/L			09/23/15 19:00	1
1,1-Dichloroethylene	0.44	J	1.0	0.14	ug/L			09/23/15 19:00	1
1,2-Dichloroethylene, trans-	ND		1.0	0.11	ug/L			09/23/15 19:00	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/23/15 19:00	1
1,4-Dioxane	ND		50	25	ug/L			09/23/15 19:00	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/23/15 19:00	1
Methyl bromide	ND		1.0	0.29	ug/L			09/23/15 19:00	1
Methyl chloride	ND		1.0	0.25	ug/L			09/23/15 19:00	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/23/15 19:00	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/23/15 19:00	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/23/15 19:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/23/15 19:00	1
Tetrachloroethylene	20		1.0	0.10	ug/L			09/23/15 19:00	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/23/15 19:00	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/23/15 19:00	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/23/15 19:00	1
Trichloroethylene	3.0		1.0	0.13	ug/L			09/23/15 19:00	1
Trichlorofluoromethane	ND		1.0	0.23	ug/L			09/23/15 19:00	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/23/15 19:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		74 - 120					09/23/15 19:00	1

TestAmerica Sacramento

Client Sample Results

Client: Environmental Resource Group, Inc.
Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: MW10-0915

Date Collected: 09/14/15 13:25

Date Received: 09/22/15 09:20

Lab Sample ID: 320-15044-9

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	97		80 - 123		09/23/15 19:00	1
1,2-Dichloroethane-d4 (Surr)	98		72 - 123		09/23/15 19:00	1
Toluene-d8 (Surr)	99		78 - 120		09/23/15 19:00	1

Client Sample ID: MW11-0915

Date Collected: 09/14/15 11:00

Date Received: 09/22/15 09:20

Lab Sample ID: 320-15044-10

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/23/15 19:22	1
Bromoform	ND		1.0	0.10	ug/L			09/23/15 19:22	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/23/15 19:22	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/23/15 19:22	1
Chloroethane	ND		1.0	0.34	ug/L			09/23/15 19:22	1
Chloroform	ND		1.0	0.12	ug/L			09/23/15 19:22	1
cis-1,2-Dichloroethylene	ND		1.0	0.10	ug/L			09/23/15 19:22	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/23/15 19:22	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/23/15 19:22	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/23/15 19:22	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/23/15 19:22	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			09/23/15 19:22	1
1,1-Dichloroethylene	ND		1.0	0.14	ug/L			09/23/15 19:22	1
1,2-Dichloroethylene, trans-	0.69	J	1.0	0.11	ug/L			09/23/15 19:22	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/23/15 19:22	1
1,4-Dioxane	ND		50	25	ug/L			09/23/15 19:22	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/23/15 19:22	1
Methyl bromide	ND		1.0	0.29	ug/L			09/23/15 19:22	1
Methyl chloride	ND		1.0	0.25	ug/L			09/23/15 19:22	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/23/15 19:22	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/23/15 19:22	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/23/15 19:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/23/15 19:22	1
Tetrachloroethylene	2.6		1.0	0.10	ug/L			09/23/15 19:22	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/23/15 19:22	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/23/15 19:22	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/23/15 19:22	1
Trichloroethylene	0.88	J	1.0	0.13	ug/L			09/23/15 19:22	1
Trichlorofluoromethane	2.1		1.0	0.23	ug/L			09/23/15 19:22	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/23/15 19:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		74 - 120		09/23/15 19:22	1
Dibromofluoromethane (Surr)	99		80 - 123		09/23/15 19:22	1
1,2-Dichloroethane-d4 (Surr)	96		72 - 123		09/23/15 19:22	1
Toluene-d8 (Surr)	99		78 - 120		09/23/15 19:22	1

TestAmerica Sacramento

Client Sample Results

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: MW12-0915

Lab Sample ID: 320-15044-11

Date Collected: 09/16/15 10:45

Matrix: Water

Date Received: 09/22/15 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/23/15 19:45	1
Bromoform	ND		1.0	0.10	ug/L			09/23/15 19:45	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/23/15 19:45	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/23/15 19:45	1
Chloroethane	ND		1.0	0.34	ug/L			09/23/15 19:45	1
Chloroform	1.6		1.0	0.12	ug/L			09/23/15 19:45	1
cis-1,2-Dichloroethylene	1.2		1.0	0.10	ug/L			09/23/15 19:45	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/23/15 19:45	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/23/15 19:45	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/23/15 19:45	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/23/15 19:45	1
1,2-Dichloroethane	0.40	J	1.0	0.22	ug/L			09/23/15 19:45	1
1,1-Dichloroethylene	0.81	J	1.0	0.14	ug/L			09/23/15 19:45	1
1,2-Dichloroethylene, trans-	0.12	J	1.0	0.11	ug/L			09/23/15 19:45	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/23/15 19:45	1
1,4-Dioxane	ND		50	25	ug/L			09/23/15 19:45	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/23/15 19:45	1
Methyl bromide	ND		1.0	0.29	ug/L			09/23/15 19:45	1
Methyl chloride	ND		1.0	0.25	ug/L			09/23/15 19:45	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/23/15 19:45	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/23/15 19:45	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/23/15 19:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/23/15 19:45	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/23/15 19:45	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/23/15 19:45	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/23/15 19:45	1
Trichloroethylene	20		1.0	0.13	ug/L			09/23/15 19:45	1
Trichlorofluoromethane	2.2		1.0	0.23	ug/L			09/23/15 19:45	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/23/15 19:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		74 - 120		09/23/15 19:45	1
Dibromofluoromethane (Surr)	97		80 - 123		09/23/15 19:45	1
1,2-Dichloroethane-d4 (Surr)	96		72 - 123		09/23/15 19:45	1
Toluene-d8 (Surr)	99		78 - 120		09/23/15 19:45	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethylene	430		10	1.0	ug/L			09/24/15 16:19	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		74 - 120		09/24/15 16:19	10
Dibromofluoromethane (Surr)	98		80 - 123		09/24/15 16:19	10
1,2-Dichloroethane-d4 (Surr)	98		72 - 123		09/24/15 16:19	10
Toluene-d8 (Surr)	99		78 - 120		09/24/15 16:19	10

TestAmerica Sacramento

Client Sample Results

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: MW13-0915

Lab Sample ID: 320-15044-12

Date Collected: 09/16/15 11:25

Matrix: Water

Date Received: 09/22/15 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/23/15 20:08	1
Bromoform	ND		1.0	0.10	ug/L			09/23/15 20:08	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/23/15 20:08	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/23/15 20:08	1
Chloroethane	ND		1.0	0.34	ug/L			09/23/15 20:08	1
Chloroform	1.3		1.0	0.12	ug/L			09/23/15 20:08	1
cis-1,2-Dichloroethylene	ND		1.0	0.10	ug/L			09/23/15 20:08	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/23/15 20:08	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/23/15 20:08	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/23/15 20:08	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/23/15 20:08	1
1,2-Dichloroethane	0.34	J	1.0	0.22	ug/L			09/23/15 20:08	1
1,1-Dichloroethylene	0.80	J	1.0	0.14	ug/L			09/23/15 20:08	1
1,2-Dichloroethylene, trans-	ND		1.0	0.11	ug/L			09/23/15 20:08	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/23/15 20:08	1
1,4-Dioxane	ND		50	25	ug/L			09/23/15 20:08	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/23/15 20:08	1
Methyl bromide	ND		1.0	0.29	ug/L			09/23/15 20:08	1
Methyl chloride	ND		1.0	0.25	ug/L			09/23/15 20:08	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/23/15 20:08	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/23/15 20:08	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/23/15 20:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/23/15 20:08	1
Tetrachloroethylene	13		1.0	0.10	ug/L			09/23/15 20:08	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/23/15 20:08	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/23/15 20:08	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/23/15 20:08	1
Trichloroethylene	0.19	J	1.0	0.13	ug/L			09/23/15 20:08	1
Trichlorofluoromethane	0.95	J	1.0	0.23	ug/L			09/23/15 20:08	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/23/15 20:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		74 - 120		09/23/15 20:08	1
Dibromofluoromethane (Surr)	99		80 - 123		09/23/15 20:08	1
1,2-Dichloroethane-d4 (Surr)	99		72 - 123		09/23/15 20:08	1
Toluene-d8 (Surr)	100		78 - 120		09/23/15 20:08	1

Client Sample ID: SW2-0915

Lab Sample ID: 320-15044-13

Date Collected: 09/15/15 11:38

Matrix: Water

Date Received: 09/22/15 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/23/15 20:31	1
Bromoform	ND		1.0	0.10	ug/L			09/23/15 20:31	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/23/15 20:31	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/23/15 20:31	1
Chloroethane	ND		1.0	0.34	ug/L			09/23/15 20:31	1
Chloroform	2.5		1.0	0.12	ug/L			09/23/15 20:31	1
cis-1,2-Dichloroethylene	ND		1.0	0.10	ug/L			09/23/15 20:31	1

TestAmerica Sacramento

Client Sample Results

Client: Environmental Resource Group, Inc.
Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: SW2-0915

Lab Sample ID: 320-15044-13

Date Collected: 09/15/15 11:38

Matrix: Water

Date Received: 09/22/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/23/15 20:31	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/23/15 20:31	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/23/15 20:31	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/23/15 20:31	1
1,2-Dichloroethane	0.65	J	1.0	0.22	ug/L			09/23/15 20:31	1
1,1-Dichloroethylene	1.2		1.0	0.14	ug/L			09/23/15 20:31	1
1,2-Dichloroethylene, trans-	ND		1.0	0.11	ug/L			09/23/15 20:31	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/23/15 20:31	1
1,4-Dioxane	ND		50	25	ug/L			09/23/15 20:31	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/23/15 20:31	1
Methyl bromide	ND		1.0	0.29	ug/L			09/23/15 20:31	1
Methyl chloride	ND		1.0	0.25	ug/L			09/23/15 20:31	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/23/15 20:31	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/23/15 20:31	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/23/15 20:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/23/15 20:31	1
Tetrachloroethylene	2.7		1.0	0.10	ug/L			09/23/15 20:31	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/23/15 20:31	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/23/15 20:31	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/23/15 20:31	1
Trichloroethylene	ND		1.0	0.13	ug/L			09/23/15 20:31	1
Trichlorofluoromethane	3.5		1.0	0.23	ug/L			09/23/15 20:31	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/23/15 20:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		74 - 120		09/23/15 20:31	1
Dibromofluoromethane (Surr)	98		80 - 123		09/23/15 20:31	1
1,2-Dichloroethane-d4 (Surr)	96		72 - 123		09/23/15 20:31	1
Toluene-d8 (Surr)	98		78 - 120		09/23/15 20:31	1

Client Sample ID: SW4-0915

Lab Sample ID: 320-15044-14

Date Collected: 09/15/15 13:12

Matrix: Water

Date Received: 09/22/15 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/23/15 20:54	1
Bromoform	ND		1.0	0.10	ug/L			09/23/15 20:54	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/23/15 20:54	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/23/15 20:54	1
Chloroethane	ND		1.0	0.34	ug/L			09/23/15 20:54	1
Chloroform	3.8		1.0	0.12	ug/L			09/23/15 20:54	1
cis-1,2-Dichloroethylene	0.42	J	1.0	0.10	ug/L			09/23/15 20:54	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/23/15 20:54	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/23/15 20:54	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/23/15 20:54	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/23/15 20:54	1
1,2-Dichloroethane	0.66	J	1.0	0.22	ug/L			09/23/15 20:54	1
1,1-Dichloroethylene	1.0		1.0	0.14	ug/L			09/23/15 20:54	1
1,2-Dichloroethylene, trans-	ND		1.0	0.11	ug/L			09/23/15 20:54	1

TestAmerica Sacramento

Client Sample Results

Client: Environmental Resource Group, Inc.
Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: SW4-0915

Lab Sample ID: 320-15044-14

Date Collected: 09/15/15 13:12

Matrix: Water

Date Received: 09/22/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/23/15 20:54	1
1,4-Dioxane	ND		50	25	ug/L			09/23/15 20:54	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/23/15 20:54	1
Methyl bromide	ND		1.0	0.29	ug/L			09/23/15 20:54	1
Methyl chloride	ND		1.0	0.25	ug/L			09/23/15 20:54	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/23/15 20:54	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/23/15 20:54	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/23/15 20:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/23/15 20:54	1
Tetrachloroethylene	12		1.0	0.10	ug/L			09/23/15 20:54	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/23/15 20:54	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/23/15 20:54	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/23/15 20:54	1
Trichloroethylene	0.21	J	1.0	0.13	ug/L			09/23/15 20:54	1
Trichlorofluoromethane	4.4		1.0	0.23	ug/L			09/23/15 20:54	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/23/15 20:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		74 - 120		09/23/15 20:54	1
Dibromofluoromethane (Surr)	98		80 - 123		09/23/15 20:54	1
1,2-Dichloroethane-d4 (Surr)	97		72 - 123		09/23/15 20:54	1
Toluene-d8 (Surr)	98		78 - 120		09/23/15 20:54	1

Client Sample ID: SW5-0915

Lab Sample ID: 320-15044-15

Date Collected: 09/15/15 14:07

Matrix: Water

Date Received: 09/22/15 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/23/15 21:17	1
Bromoform	ND		1.0	0.10	ug/L			09/23/15 21:17	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/23/15 21:17	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/23/15 21:17	1
Chloroethane	ND		1.0	0.34	ug/L			09/23/15 21:17	1
Chloroform	2.5		1.0	0.12	ug/L			09/23/15 21:17	1
cis-1,2-Dichloroethylene	0.54	J	1.0	0.10	ug/L			09/23/15 21:17	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/23/15 21:17	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/23/15 21:17	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/23/15 21:17	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/23/15 21:17	1
1,2-Dichloroethane	0.82	J	1.0	0.22	ug/L			09/23/15 21:17	1
1,1-Dichloroethylene	1.3		1.0	0.14	ug/L			09/23/15 21:17	1
1,2-Dichloroethylene, trans-	0.11	J	1.0	0.11	ug/L			09/23/15 21:17	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/23/15 21:17	1
1,4-Dioxane	ND		50	25	ug/L			09/23/15 21:17	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/23/15 21:17	1
Methyl bromide	ND		1.0	0.29	ug/L			09/23/15 21:17	1
Methyl chloride	ND		1.0	0.25	ug/L			09/23/15 21:17	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/23/15 21:17	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/23/15 21:17	1

TestAmerica Sacramento

Client Sample Results

Client: Environmental Resource Group, Inc.
Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: SW5-0915

Lab Sample ID: 320-15044-15

Date Collected: 09/15/15 14:07

Matrix: Water

Date Received: 09/22/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/23/15 21:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/23/15 21:17	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/23/15 21:17	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/23/15 21:17	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/23/15 21:17	1
Trichloroethylene	4.5		1.0	0.13	ug/L			09/23/15 21:17	1
Trichlorofluoromethane	3.5		1.0	0.23	ug/L			09/23/15 21:17	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/23/15 21:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		74 - 120		09/23/15 21:17	1
Dibromofluoromethane (Surr)	101		80 - 123		09/23/15 21:17	1
1,2-Dichloroethane-d4 (Surr)	98		72 - 123		09/23/15 21:17	1
Toluene-d8 (Surr)	100		78 - 120		09/23/15 21:17	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethylene	150		5.0	0.50	ug/L			09/24/15 16:42	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		74 - 120		09/24/15 16:42	5
Dibromofluoromethane (Surr)	101		80 - 123		09/24/15 16:42	5
1,2-Dichloroethane-d4 (Surr)	102		72 - 123		09/24/15 16:42	5
Toluene-d8 (Surr)	100		78 - 120		09/24/15 16:42	5

Client Sample ID: SW6-0915

Lab Sample ID: 320-15044-16

Date Collected: 09/15/15 14:55

Matrix: Water

Date Received: 09/22/15 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/23/15 21:39	1
Bromoform	ND		1.0	0.10	ug/L			09/23/15 21:39	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/23/15 21:39	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/23/15 21:39	1
Chloroethane	ND		1.0	0.34	ug/L			09/23/15 21:39	1
Chloroform	0.87	J	1.0	0.12	ug/L			09/23/15 21:39	1
cis-1,2-Dichloroethylene	0.45	J	1.0	0.10	ug/L			09/23/15 21:39	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/23/15 21:39	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/23/15 21:39	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/23/15 21:39	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/23/15 21:39	1
1,2-Dichloroethane	0.72	J	1.0	0.22	ug/L			09/23/15 21:39	1
1,1-Dichloroethylene	0.82	J	1.0	0.14	ug/L			09/23/15 21:39	1
1,2-Dichloroethylene, trans-	0.14	J	1.0	0.11	ug/L			09/23/15 21:39	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/23/15 21:39	1
1,4-Dioxane	ND		50	25	ug/L			09/23/15 21:39	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/23/15 21:39	1
Methyl bromide	ND		1.0	0.29	ug/L			09/23/15 21:39	1
Methyl chloride	ND		1.0	0.25	ug/L			09/23/15 21:39	1

TestAmerica Sacramento

Client Sample Results

Client: Environmental Resource Group, Inc.
Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: SW6-0915

Lab Sample ID: 320-15044-16

Date Collected: 09/15/15 14:55

Matrix: Water

Date Received: 09/22/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.35	ug/L			09/23/15 21:39	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/23/15 21:39	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/23/15 21:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/23/15 21:39	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/23/15 21:39	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/23/15 21:39	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/23/15 21:39	1
Trichloroethylene	0.67	J	1.0	0.13	ug/L			09/23/15 21:39	1
Trichlorofluoromethane	2.1		1.0	0.23	ug/L			09/23/15 21:39	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/23/15 21:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		74 - 120		09/23/15 21:39	1
Dibromofluoromethane (Surr)	98		80 - 123		09/23/15 21:39	1
1,2-Dichloroethane-d4 (Surr)	97		72 - 123		09/23/15 21:39	1
Toluene-d8 (Surr)	99		78 - 120		09/23/15 21:39	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethylene	96		2.0	0.20	ug/L			09/24/15 17:06	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		74 - 120		09/24/15 17:06	2
Dibromofluoromethane (Surr)	96		80 - 123		09/24/15 17:06	2
1,2-Dichloroethane-d4 (Surr)	98		72 - 123		09/24/15 17:06	2
Toluene-d8 (Surr)	100		78 - 120		09/24/15 17:06	2

Client Sample ID: SW7-0915

Lab Sample ID: 320-15044-17

Date Collected: 09/15/15 15:42

Matrix: Water

Date Received: 09/22/15 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/23/15 22:02	1
Bromoform	ND		1.0	0.10	ug/L			09/23/15 22:02	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/23/15 22:02	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/23/15 22:02	1
Chloroethane	ND		1.0	0.34	ug/L			09/23/15 22:02	1
Chloroform	0.84	J	1.0	0.12	ug/L			09/23/15 22:02	1
cis-1,2-Dichloroethylene	ND		1.0	0.10	ug/L			09/23/15 22:02	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/23/15 22:02	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/23/15 22:02	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/23/15 22:02	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/23/15 22:02	1
1,2-Dichloroethane	0.67	J	1.0	0.22	ug/L			09/23/15 22:02	1
1,1-Dichloroethylene	0.85	J	1.0	0.14	ug/L			09/23/15 22:02	1
1,2-Dichloroethylene, trans-	0.15	J	1.0	0.11	ug/L			09/23/15 22:02	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/23/15 22:02	1
1,4-Dioxane	ND		50	25	ug/L			09/23/15 22:02	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/23/15 22:02	1

TestAmerica Sacramento

Client Sample Results

Client: Environmental Resource Group, Inc.
Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: SW7-0915

Lab Sample ID: 320-15044-17

Date Collected: 09/15/15 15:42

Matrix: Water

Date Received: 09/22/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl bromide	ND		1.0	0.29	ug/L			09/23/15 22:02	1
Methyl chloride	ND		1.0	0.25	ug/L			09/23/15 22:02	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/23/15 22:02	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/23/15 22:02	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/23/15 22:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/23/15 22:02	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/23/15 22:02	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/23/15 22:02	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/23/15 22:02	1
Trichloroethylene	1.5		1.0	0.13	ug/L			09/23/15 22:02	1
Trichlorofluoromethane	1.8		1.0	0.23	ug/L			09/23/15 22:02	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/23/15 22:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		74 - 120		09/23/15 22:02	1
Dibromofluoromethane (Surr)	97		80 - 123		09/23/15 22:02	1
1,2-Dichloroethane-d4 (Surr)	96		72 - 123		09/23/15 22:02	1
Toluene-d8 (Surr)	97		78 - 120		09/23/15 22:02	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethylene	110		2.0	0.20	ug/L			09/24/15 17:28	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		74 - 120		09/24/15 17:28	2
Dibromofluoromethane (Surr)	97		80 - 123		09/24/15 17:28	2
1,2-Dichloroethane-d4 (Surr)	100		72 - 123		09/24/15 17:28	2
Toluene-d8 (Surr)	99		78 - 120		09/24/15 17:28	2

Client Sample ID: SW8-0915

Lab Sample ID: 320-15044-18

Date Collected: 09/16/15 09:02

Matrix: Water

Date Received: 09/22/15 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/23/15 22:24	1
Bromoform	ND		1.0	0.10	ug/L			09/23/15 22:24	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/23/15 22:24	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/23/15 22:24	1
Chloroethane	ND		1.0	0.34	ug/L			09/23/15 22:24	1
Chloroform	0.31	J	1.0	0.12	ug/L			09/23/15 22:24	1
cis-1,2-Dichloroethylene	0.67	J	1.0	0.10	ug/L			09/23/15 22:24	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/23/15 22:24	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/23/15 22:24	1
Dichlorodifluoromethane	0.18	J	1.0	0.16	ug/L			09/23/15 22:24	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/23/15 22:24	1
1,2-Dichloroethane	0.67	J	1.0	0.22	ug/L			09/23/15 22:24	1
1,1-Dichloroethylene	1.1		1.0	0.14	ug/L			09/23/15 22:24	1
1,2-Dichloroethylene, trans-	0.30	J	1.0	0.11	ug/L			09/23/15 22:24	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/23/15 22:24	1

TestAmerica Sacramento

Client Sample Results

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: SW8-0915

Lab Sample ID: 320-15044-18

Date Collected: 09/16/15 09:02

Matrix: Water

Date Received: 09/22/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		50	25	ug/L			09/23/15 22:24	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/23/15 22:24	1
Methyl bromide	ND		1.0	0.29	ug/L			09/23/15 22:24	1
Methyl chloride	ND		1.0	0.25	ug/L			09/23/15 22:24	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/23/15 22:24	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/23/15 22:24	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/23/15 22:24	1
1,1,2,2-Tetrachloroethane	0.20	J	1.0	0.090	ug/L			09/23/15 22:24	1
Tetrachloroethylene	4.6		1.0	0.10	ug/L			09/23/15 22:24	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/23/15 22:24	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/23/15 22:24	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/23/15 22:24	1
Trichloroethylene	0.75	J	1.0	0.13	ug/L			09/23/15 22:24	1
Trichlorofluoromethane	0.96	J	1.0	0.23	ug/L			09/23/15 22:24	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/23/15 22:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>4-Bromofluorobenzene (Surr)</i>	102		74 - 120					09/23/15 22:24	1
<i>Dibromofluoromethane (Surr)</i>	98		80 - 123					09/23/15 22:24	1
<i>1,2-Dichloroethane-d4 (Surr)</i>	98		72 - 123					09/23/15 22:24	1
<i>Toluene-d8 (Surr)</i>	98		78 - 120					09/23/15 22:24	1

Client Sample ID: SW10-0915

Lab Sample ID: 320-15044-19

Date Collected: 09/15/15 16:49

Matrix: Water

Date Received: 09/22/15 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/24/15 02:37	1
Bromoform	ND		1.0	0.10	ug/L			09/24/15 02:37	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/24/15 02:37	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/24/15 02:37	1
Chloroethane	ND		1.0	0.34	ug/L			09/24/15 02:37	1
Chloroform	2.6		1.0	0.12	ug/L			09/24/15 02:37	1
cis-1,2-Dichloroethylene	ND		1.0	0.10	ug/L			09/24/15 02:37	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/24/15 02:37	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/24/15 02:37	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/24/15 02:37	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/24/15 02:37	1
1,2-Dichloroethane	0.84	J	1.0	0.22	ug/L			09/24/15 02:37	1
1,1-Dichloroethylene	1.2		1.0	0.14	ug/L			09/24/15 02:37	1
1,2-Dichloroethylene, trans-	ND		1.0	0.11	ug/L			09/24/15 02:37	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/24/15 02:37	1
1,4-Dioxane	ND		50	25	ug/L			09/24/15 02:37	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/24/15 02:37	1
Methyl bromide	ND		1.0	0.29	ug/L			09/24/15 02:37	1
Methyl chloride	ND		1.0	0.25	ug/L			09/24/15 02:37	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/24/15 02:37	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/24/15 02:37	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/24/15 02:37	1

TestAmerica Sacramento

Client Sample Results

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: SW10-0915

Lab Sample ID: 320-15044-19

Date Collected: 09/15/15 16:49

Matrix: Water

Date Received: 09/22/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/24/15 02:37	1
Tetrachloroethylene	4.7		1.0	0.10	ug/L			09/24/15 02:37	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/24/15 02:37	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/24/15 02:37	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/24/15 02:37	1
Trichloroethylene	0.19	J	1.0	0.13	ug/L			09/24/15 02:37	1
Trichlorofluoromethane	3.0		1.0	0.23	ug/L			09/24/15 02:37	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/24/15 02:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		74 - 120					09/24/15 02:37	1
Dibromofluoromethane (Surr)	98		80 - 123					09/24/15 02:37	1
1,2-Dichloroethane-d4 (Surr)	98		72 - 123					09/24/15 02:37	1
Toluene-d8 (Surr)	100		78 - 120					09/24/15 02:37	1

Client Sample ID: SW12-0915

Lab Sample ID: 320-15044-20

Date Collected: 09/16/15 09:42

Matrix: Water

Date Received: 09/22/15 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/24/15 02:59	1
Bromoform	ND		1.0	0.10	ug/L			09/24/15 02:59	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/24/15 02:59	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/24/15 02:59	1
Chloroethane	ND		1.0	0.34	ug/L			09/24/15 02:59	1
Chloroform	2.8		1.0	0.12	ug/L			09/24/15 02:59	1
cis-1,2-Dichloroethylene	0.50	J	1.0	0.10	ug/L			09/24/15 02:59	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/24/15 02:59	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/24/15 02:59	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/24/15 02:59	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/24/15 02:59	1
1,2-Dichloroethane	0.71	J	1.0	0.22	ug/L			09/24/15 02:59	1
1,1-Dichloroethylene	1.3		1.0	0.14	ug/L			09/24/15 02:59	1
1,2-Dichloroethylene, trans-	ND		1.0	0.11	ug/L			09/24/15 02:59	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/24/15 02:59	1
1,4-Dioxane	ND		50	25	ug/L			09/24/15 02:59	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/24/15 02:59	1
Methyl bromide	ND		1.0	0.29	ug/L			09/24/15 02:59	1
Methyl chloride	ND		1.0	0.25	ug/L			09/24/15 02:59	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/24/15 02:59	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/24/15 02:59	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/24/15 02:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/24/15 02:59	1
Tetrachloroethylene	63		1.0	0.10	ug/L			09/24/15 02:59	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/24/15 02:59	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/24/15 02:59	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/24/15 02:59	1
Trichloroethylene	0.38	J	1.0	0.13	ug/L			09/24/15 02:59	1
Trichlorofluoromethane	3.7		1.0	0.23	ug/L			09/24/15 02:59	1

TestAmerica Sacramento

Client Sample Results

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: SW12-0915

Lab Sample ID: 320-15044-20

Date Collected: 09/16/15 09:42

Matrix: Water

Date Received: 09/22/15 09:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		1.0	0.22	ug/L			09/24/15 02:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		74 - 120					09/24/15 02:59	1
Dibromofluoromethane (Surr)	100		80 - 123					09/24/15 02:59	1
1,2-Dichloroethane-d4 (Surr)	99		72 - 123					09/24/15 02:59	1
Toluene-d8 (Surr)	98		78 - 120					09/24/15 02:59	1

Client Sample ID: DUP1-0915

Lab Sample ID: 320-15044-21

Date Collected: 09/15/15 08:00

Matrix: Water

Date Received: 09/22/15 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/24/15 03:23	1
Bromoform	ND		1.0	0.10	ug/L			09/24/15 03:23	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/24/15 03:23	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/24/15 03:23	1
Chloroethane	ND		1.0	0.34	ug/L			09/24/15 03:23	1
Chloroform	0.46	J	1.0	0.12	ug/L			09/24/15 03:23	1
cis-1,2-Dichloroethylene	ND		1.0	0.10	ug/L			09/24/15 03:23	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/24/15 03:23	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/24/15 03:23	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/24/15 03:23	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/24/15 03:23	1
1,2-Dichloroethane	0.52	J	1.0	0.22	ug/L			09/24/15 03:23	1
1,1-Dichloroethylene	0.62	J	1.0	0.14	ug/L			09/24/15 03:23	1
1,2-Dichloroethylene, trans-	ND		1.0	0.11	ug/L			09/24/15 03:23	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/24/15 03:23	1
1,4-Dioxane	ND		50	25	ug/L			09/24/15 03:23	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/24/15 03:23	1
Methyl bromide	ND		1.0	0.29	ug/L			09/24/15 03:23	1
Methyl chloride	ND		1.0	0.25	ug/L			09/24/15 03:23	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/24/15 03:23	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/24/15 03:23	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/24/15 03:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/24/15 03:23	1
Tetrachloroethylene	0.72	J	1.0	0.10	ug/L			09/24/15 03:23	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/24/15 03:23	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/24/15 03:23	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/24/15 03:23	1
Trichloroethylene	0.15	J	1.0	0.13	ug/L			09/24/15 03:23	1
Trichlorofluoromethane	1.2		1.0	0.23	ug/L			09/24/15 03:23	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/24/15 03:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		74 - 120					09/24/15 03:23	1
Dibromofluoromethane (Surr)	99		80 - 123					09/24/15 03:23	1
1,2-Dichloroethane-d4 (Surr)	98		72 - 123					09/24/15 03:23	1
Toluene-d8 (Surr)	98		78 - 120					09/24/15 03:23	1

TestAmerica Sacramento

Client Sample Results

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: DUP2-0915

Lab Sample ID: 320-15044-22

Date Collected: 09/16/15 08:00

Matrix: Water

Date Received: 09/22/15 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/24/15 03:46	1
Bromoform	ND		1.0	0.10	ug/L			09/24/15 03:46	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/24/15 03:46	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/24/15 03:46	1
Chloroethane	ND		1.0	0.34	ug/L			09/24/15 03:46	1
Chloroform	1.7		1.0	0.12	ug/L			09/24/15 03:46	1
cis-1,2-Dichloroethylene	1.2		1.0	0.10	ug/L			09/24/15 03:46	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/24/15 03:46	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/24/15 03:46	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/24/15 03:46	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/24/15 03:46	1
1,2-Dichloroethane	0.46	J	1.0	0.22	ug/L			09/24/15 03:46	1
1,1-Dichloroethylene	0.93	J	1.0	0.14	ug/L			09/24/15 03:46	1
1,2-Dichloroethylene, trans-	ND		1.0	0.11	ug/L			09/24/15 03:46	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/24/15 03:46	1
1,4-Dioxane	ND		50	25	ug/L			09/24/15 03:46	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/24/15 03:46	1
Methyl bromide	ND		1.0	0.29	ug/L			09/24/15 03:46	1
Methyl chloride	ND		1.0	0.25	ug/L			09/24/15 03:46	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/24/15 03:46	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/24/15 03:46	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/24/15 03:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/24/15 03:46	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/24/15 03:46	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/24/15 03:46	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/24/15 03:46	1
Trichloroethylene	20		1.0	0.13	ug/L			09/24/15 03:46	1
Trichlorofluoromethane	2.1		1.0	0.23	ug/L			09/24/15 03:46	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/24/15 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		74 - 120		09/24/15 03:46	1
Dibromofluoromethane (Surr)	94		80 - 123		09/24/15 03:46	1
1,2-Dichloroethane-d4 (Surr)	96		72 - 123		09/24/15 03:46	1
Toluene-d8 (Surr)	97		78 - 120		09/24/15 03:46	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethylene	420		10	1.0	ug/L			09/24/15 17:51	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		74 - 120		09/24/15 17:51	10
Dibromofluoromethane (Surr)	98		80 - 123		09/24/15 17:51	10
1,2-Dichloroethane-d4 (Surr)	99		72 - 123		09/24/15 17:51	10
Toluene-d8 (Surr)	100		78 - 120		09/24/15 17:51	10

TestAmerica Sacramento

Client Sample Results

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: Trip Blank

Lab Sample ID: 320-15044-23

Date Collected: 09/14/15 07:00

Matrix: Water

Date Received: 09/22/15 09:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/24/15 02:13	1
Bromoform	ND		1.0	0.10	ug/L			09/24/15 02:13	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/24/15 02:13	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/24/15 02:13	1
Chloroethane	ND		1.0	0.34	ug/L			09/24/15 02:13	1
Chloroform	ND		1.0	0.12	ug/L			09/24/15 02:13	1
cis-1,2-Dichloroethylene	ND		1.0	0.10	ug/L			09/24/15 02:13	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/24/15 02:13	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/24/15 02:13	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/24/15 02:13	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/24/15 02:13	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			09/24/15 02:13	1
1,1-Dichloroethylene	ND		1.0	0.14	ug/L			09/24/15 02:13	1
1,2-Dichloroethylene, trans-	ND		1.0	0.11	ug/L			09/24/15 02:13	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/24/15 02:13	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/24/15 02:13	1
Methyl bromide	ND		1.0	0.29	ug/L			09/24/15 02:13	1
Methyl chloride	ND		1.0	0.25	ug/L			09/24/15 02:13	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/24/15 02:13	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/24/15 02:13	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/24/15 02:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/24/15 02:13	1
Tetrachloroethylene	ND		1.0	0.10	ug/L			09/24/15 02:13	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/24/15 02:13	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/24/15 02:13	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/24/15 02:13	1
Trichloroethylene	ND		1.0	0.13	ug/L			09/24/15 02:13	1
Trichlorofluoromethane	ND		1.0	0.23	ug/L			09/24/15 02:13	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/24/15 02:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		74 - 120					09/24/15 02:13	1
Dibromofluoromethane (Surr)	98		80 - 123					09/24/15 02:13	1
1,2-Dichloroethane-d4 (Surr)	98		72 - 123					09/24/15 02:13	1
Toluene-d8 (Surr)	100		78 - 120					09/24/15 02:13	1

Surrogate Summary

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB	DBFM	12DCE	TOL
		(74-120)	(80-123)	(72-123)	(78-120)
320-15044-1	MW1-0915	101	99	96	98
320-15044-1 - DL	MW1-0915	100	99	99	99
320-15044-2	MW2-0915	102	98	97	98
320-15044-2 - DL	MW2-0915	99	100	100	99
320-15044-3	MW3-0915	103	100	98	99
320-15044-4	MW4-0915	99	97	97	98
320-15044-5	MW5-0915	101	100	100	99
320-15044-5 - DL	MW5-0915	100	98	98	97
320-15044-6	MW6-0915	102	98	97	99
320-15044-7	MW7-0915	99	100	99	100
320-15044-8	MW9-0915	101	95	97	97
320-15044-9	MW10-0915	100	97	98	99
320-15044-10	MW11-0915	97	99	96	99
320-15044-11	MW12-0915	100	97	96	99
320-15044-11 - DL	MW12-0915	100	98	98	99
320-15044-12	MW13-0915	101	99	99	100
320-15044-13	SW2-0915	100	98	96	98
320-15044-14	SW4-0915	99	98	97	98
320-15044-15	SW5-0915	101	101	98	100
320-15044-15 - DL	SW5-0915	100	101	102	100
320-15044-16	SW6-0915	100	98	97	99
320-15044-16 - DL	SW6-0915	98	96	98	100
320-15044-17	SW7-0915	98	97	96	97
320-15044-17 - DL	SW7-0915	100	97	100	99
320-15044-18	SW8-0915	102	98	98	98
320-15044-19	SW10-0915	99	98	98	100
320-15044-20	SW12-0915	100	100	99	98
320-15044-21	DUP1-0915	100	99	98	98
320-15044-22	DUP2-0915	100	94	96	97
320-15044-22 - DL	DUP2-0915	99	98	99	100
320-15044-23	Trip Blank	101	98	98	100
LCS 320-86996/4	Lab Control Sample	102	99	97	101
LCS 320-87023/4	Lab Control Sample	100	98	97	99
LCS 320-87098/4	Lab Control Sample	101	95	95	100
MB 320-86996/6	Method Blank	104	100	100	101
MB 320-87023/6	Method Blank	101	101	98	99
MB 320-87098/6	Method Blank	98	98	100	100

Surrogate Legend

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

QC Sample Results

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 320-86996/6

Matrix: Water

Analysis Batch: 86996

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/23/15 14:34	1
Bromoform	ND		1.0	0.10	ug/L			09/23/15 14:34	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/23/15 14:34	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/23/15 14:34	1
Chloroethane	ND		1.0	0.34	ug/L			09/23/15 14:34	1
Chloroform	ND		1.0	0.12	ug/L			09/23/15 14:34	1
cis-1,2-Dichloroethylene	ND		1.0	0.10	ug/L			09/23/15 14:34	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/23/15 14:34	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/23/15 14:34	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/23/15 14:34	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/23/15 14:34	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			09/23/15 14:34	1
1,1-Dichloroethylene	ND		1.0	0.14	ug/L			09/23/15 14:34	1
1,2-Dichloroethylene, trans-	ND		1.0	0.11	ug/L			09/23/15 14:34	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/23/15 14:34	1
1,4-Dioxane	ND		50	25	ug/L			09/23/15 14:34	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/23/15 14:34	1
Methyl bromide	ND		1.0	0.29	ug/L			09/23/15 14:34	1
Methyl chloride	ND		1.0	0.25	ug/L			09/23/15 14:34	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/23/15 14:34	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/23/15 14:34	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/23/15 14:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/23/15 14:34	1
Tetrachloroethylene	ND		1.0	0.10	ug/L			09/23/15 14:34	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/23/15 14:34	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/23/15 14:34	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/23/15 14:34	1
Trichloroethylene	ND		1.0	0.13	ug/L			09/23/15 14:34	1
Trichlorofluoromethane	ND		1.0	0.23	ug/L			09/23/15 14:34	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/23/15 14:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		74 - 120		09/23/15 14:34	1
Dibromofluoromethane (Surr)	100		80 - 123		09/23/15 14:34	1
1,2-Dichloroethane-d4 (Surr)	100		72 - 123		09/23/15 14:34	1
Toluene-d8 (Surr)	101		78 - 120		09/23/15 14:34	1

Lab Sample ID: LCS 320-86996/4

Matrix: Water

Analysis Batch: 86996

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	20.0	20.7		ug/L		104	80 - 124
Bromoform	20.0	19.3		ug/L		96	80 - 120
Carbon tetrachloride	20.0	19.4		ug/L		97	78 - 124
Chlorobenzene	20.0	19.6		ug/L		98	78 - 120
Chloroethane	20.0	20.2		ug/L		101	65 - 123
Chloroform	20.0	20.7		ug/L		104	80 - 120

TestAmerica Sacramento

QC Sample Results

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

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

Lab Sample ID: LCS 320-86996/4

Matrix: Water

Analysis Batch: 86996

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,2-Dichloroethylene	20.0	19.9		ug/L		99	78 - 120
cis-1,3-Dichloropropene	20.0	20.5		ug/L		103	80 - 131
Dibromochloromethane	20.0	20.4		ug/L		102	80 - 122
Dichlorodifluoromethane	20.0	20.3		ug/L		101	39 - 161
1,1-Dichloroethane	20.0	20.7		ug/L		103	79 - 120
1,2-Dichloroethane	20.0	21.8		ug/L		109	77 - 128
1,1-Dichloroethylene	20.0	19.7		ug/L		98	74 - 120
1,2-Dichloroethylene, trans-	20.0	20.3		ug/L		102	76 - 120
1,2-Dichloropropane	20.0	21.0		ug/L		105	75 - 125
1,4-Dioxane	400	441		ug/L		110	29 - 168
m-Dichlorobenzene	20.0	19.5		ug/L		98	78 - 120
Methyl bromide	20.0	20.4		ug/L		102	65 - 132
Methyl chloride	20.0	19.5		ug/L		98	62 - 129
Methylene Chloride	20.0	20.5		ug/L		103	77 - 120
o-Dichlorobenzene	20.0	19.8		ug/L		99	77 - 120
p-Dichlorobenzene	20.0	20.0		ug/L		100	74 - 120
1,1,2,2-Tetrachloroethane	20.0	22.3		ug/L		111	74 - 137
Tetrachloroethylene	20.0	18.9		ug/L		95	74 - 120
trans-1,3-Dichloropropene	20.0	20.3		ug/L		102	75 - 133
1,1,1-Trichloroethane	20.0	19.8		ug/L		99	79 - 121
1,1,2-Trichloroethane	20.0	20.9		ug/L		104	79 - 127
Trichloroethylene	20.0	19.7		ug/L		99	74 - 120
Trichlorofluoromethane	20.0	20.9		ug/L		104	60 - 135
Vinyl chloride	20.0	21.0		ug/L		105	68 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		74 - 120
Dibromofluoromethane (Surr)	99		80 - 123
1,2-Dichloroethane-d4 (Surr)	97		72 - 123
Toluene-d8 (Surr)	101		78 - 120

Lab Sample ID: MB 320-87023/6

Matrix: Water

Analysis Batch: 87023

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/24/15 01:51	1
Bromoform	ND		1.0	0.10	ug/L			09/24/15 01:51	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/24/15 01:51	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/24/15 01:51	1
Chloroethane	ND		1.0	0.34	ug/L			09/24/15 01:51	1
Chloroform	ND		1.0	0.12	ug/L			09/24/15 01:51	1
cis-1,2-Dichloroethylene	ND		1.0	0.10	ug/L			09/24/15 01:51	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/24/15 01:51	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/24/15 01:51	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/24/15 01:51	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/24/15 01:51	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			09/24/15 01:51	1

TestAmerica Sacramento

QC Sample Results

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

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

Lab Sample ID: MB 320-87023/6

Matrix: Water

Analysis Batch: 87023

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethylene	ND		1.0	0.14	ug/L			09/24/15 01:51	1
1,2-Dichloroethylene, trans-	ND		1.0	0.11	ug/L			09/24/15 01:51	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/24/15 01:51	1
1,4-Dioxane	ND		50	25	ug/L			09/24/15 01:51	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/24/15 01:51	1
Methyl bromide	ND		1.0	0.29	ug/L			09/24/15 01:51	1
Methyl chloride	ND		1.0	0.25	ug/L			09/24/15 01:51	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/24/15 01:51	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/24/15 01:51	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/24/15 01:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/24/15 01:51	1
Tetrachloroethylene	ND		1.0	0.10	ug/L			09/24/15 01:51	1
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/24/15 01:51	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/24/15 01:51	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/24/15 01:51	1
Trichloroethylene	ND		1.0	0.13	ug/L			09/24/15 01:51	1
Trichlorofluoromethane	ND		1.0	0.23	ug/L			09/24/15 01:51	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/24/15 01:51	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		74 - 120		09/24/15 01:51	1
Dibromofluoromethane (Surr)	101		80 - 123		09/24/15 01:51	1
1,2-Dichloroethane-d4 (Surr)	98		72 - 123		09/24/15 01:51	1
Toluene-d8 (Surr)	99		78 - 120		09/24/15 01:51	1

Lab Sample ID: LCS 320-87023/4

Matrix: Water

Analysis Batch: 87023

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	20.0	20.6		ug/L		103	80 - 124
Bromoform	20.0	16.8		ug/L		84	80 - 120
Carbon tetrachloride	20.0	20.4		ug/L		102	78 - 124
Chlorobenzene	20.0	20.3		ug/L		102	78 - 120
Chloroethane	20.0	20.2		ug/L		101	65 - 123
Chloroform	20.0	21.3		ug/L		107	80 - 120
cis-1,2-Dichloroethylene	20.0	20.4		ug/L		102	78 - 120
cis-1,3-Dichloropropene	20.0	20.1		ug/L		100	80 - 131
Dibromochloromethane	20.0	19.3		ug/L		97	80 - 122
Dichlorodifluoromethane	20.0	21.0		ug/L		105	39 - 161
1,1-Dichloroethane	20.0	21.6		ug/L		108	79 - 120
1,2-Dichloroethane	20.0	21.6		ug/L		108	77 - 128
1,1-Dichloroethylene	20.0	20.7		ug/L		103	74 - 120
1,2-Dichloroethylene, trans-	20.0	20.7		ug/L		104	76 - 120
1,2-Dichloropropane	20.0	22.1		ug/L		110	75 - 125
1,4-Dioxane	400	419		ug/L		105	29 - 168
m-Dichlorobenzene	20.0	20.3		ug/L		102	78 - 120
Methyl bromide	20.0	21.0		ug/L		105	65 - 132

TestAmerica Sacramento

QC Sample Results

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

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

Lab Sample ID: LCS 320-87023/4

Matrix: Water

Analysis Batch: 87023

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl chloride	20.0	19.4		ug/L		97	62 - 129
Methylene Chloride	20.0	21.4		ug/L		107	77 - 120
o-Dichlorobenzene	20.0	20.4		ug/L		102	77 - 120
p-Dichlorobenzene	20.0	20.4		ug/L		102	74 - 120
1,1,2,2-Tetrachloroethane	20.0	22.1		ug/L		111	74 - 137
Tetrachloroethylene	20.0	19.3		ug/L		96	74 - 120
trans-1,3-Dichloropropene	20.0	20.0		ug/L		100	75 - 133
1,1,1-Trichloroethane	20.0	20.1		ug/L		100	79 - 121
1,1,2-Trichloroethane	20.0	21.2		ug/L		106	79 - 127
Trichloroethylene	20.0	20.3		ug/L		102	74 - 120
Trichlorofluoromethane	20.0	21.0		ug/L		105	60 - 135
Vinyl chloride	20.0	21.1		ug/L		105	68 - 121

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		74 - 120
Dibromofluoromethane (Surr)	98		80 - 123
1,2-Dichloroethane-d4 (Surr)	97		72 - 123
Toluene-d8 (Surr)	99		78 - 120

Lab Sample ID: MB 320-87098/6

Matrix: Water

Analysis Batch: 87098

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.14	ug/L			09/24/15 13:38	1
Bromoform	ND		1.0	0.10	ug/L			09/24/15 13:38	1
Carbon tetrachloride	ND		1.0	0.15	ug/L			09/24/15 13:38	1
Chlorobenzene	ND		1.0	0.12	ug/L			09/24/15 13:38	1
Chloroethane	ND		1.0	0.34	ug/L			09/24/15 13:38	1
Chloroform	ND		1.0	0.12	ug/L			09/24/15 13:38	1
cis-1,2-Dichloroethylene	ND		1.0	0.10	ug/L			09/24/15 13:38	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			09/24/15 13:38	1
Dibromochloromethane	ND		1.0	0.13	ug/L			09/24/15 13:38	1
Dichlorodifluoromethane	ND		1.0	0.16	ug/L			09/24/15 13:38	1
1,1-Dichloroethane	ND		1.0	0.10	ug/L			09/24/15 13:38	1
1,2-Dichloroethane	ND		1.0	0.22	ug/L			09/24/15 13:38	1
1,1-Dichloroethylene	ND		1.0	0.14	ug/L			09/24/15 13:38	1
1,2-Dichloroethylene, trans-	ND		1.0	0.11	ug/L			09/24/15 13:38	1
1,2-Dichloropropane	ND		1.0	0.15	ug/L			09/24/15 13:38	1
1,4-Dioxane	ND		50	25	ug/L			09/24/15 13:38	1
m-Dichlorobenzene	ND		1.0	0.11	ug/L			09/24/15 13:38	1
Methyl bromide	ND		1.0	0.29	ug/L			09/24/15 13:38	1
Methyl chloride	ND		1.0	0.25	ug/L			09/24/15 13:38	1
Methylene Chloride	ND		1.0	0.35	ug/L			09/24/15 13:38	1
o-Dichlorobenzene	ND		1.0	0.14	ug/L			09/24/15 13:38	1
p-Dichlorobenzene	ND		1.0	0.13	ug/L			09/24/15 13:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.090	ug/L			09/24/15 13:38	1
Tetrachloroethylene	ND		1.0	0.10	ug/L			09/24/15 13:38	1

TestAmerica Sacramento

QC Sample Results

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

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

Lab Sample ID: MB 320-87098/6

Matrix: Water

Analysis Batch: 87098

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		1.0	0.080	ug/L			09/24/15 13:38	1
1,1,1-Trichloroethane	ND		1.0	0.19	ug/L			09/24/15 13:38	1
1,1,2-Trichloroethane	ND		1.0	0.31	ug/L			09/24/15 13:38	1
Trichloroethylene	ND		1.0	0.13	ug/L			09/24/15 13:38	1
Trichlorofluoromethane	ND		1.0	0.23	ug/L			09/24/15 13:38	1
Vinyl chloride	ND		1.0	0.22	ug/L			09/24/15 13:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		74 - 120		09/24/15 13:38	1
Dibromofluoromethane (Surr)	98		80 - 123		09/24/15 13:38	1
1,2-Dichloroethane-d4 (Surr)	100		72 - 123		09/24/15 13:38	1
Toluene-d8 (Surr)	100		78 - 120		09/24/15 13:38	1

Lab Sample ID: LCS 320-87098/4

Matrix: Water

Analysis Batch: 87098

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	20.0	21.5		ug/L		107	80 - 124
Bromoform	20.0	19.2		ug/L		96	80 - 120
Carbon tetrachloride	20.0	19.8		ug/L		99	78 - 124
Chlorobenzene	20.0	20.9		ug/L		104	78 - 120
Chloroethane	20.0	19.7		ug/L		98	65 - 123
Chloroform	20.0	21.5		ug/L		107	80 - 120
cis-1,2-Dichloroethylene	20.0	20.3		ug/L		101	78 - 120
cis-1,3-Dichloropropene	20.0	21.3		ug/L		106	80 - 131
Dibromochloromethane	20.0	20.3		ug/L		102	80 - 122
Dichlorodifluoromethane	20.0	19.3		ug/L		97	39 - 161
1,1-Dichloroethane	20.0	21.9		ug/L		110	79 - 120
1,2-Dichloroethane	20.0	21.9		ug/L		109	77 - 128
1,1-Dichloroethylene	20.0	20.1		ug/L		100	74 - 120
1,2-Dichloroethylene, trans-	20.0	20.9		ug/L		105	76 - 120
1,2-Dichloropropane	20.0	22.4		ug/L		112	75 - 125
1,4-Dioxane	400	442		ug/L		110	29 - 168
m-Dichlorobenzene	20.0	20.2		ug/L		101	78 - 120
Methyl bromide	20.0	19.6		ug/L		98	65 - 132
Methyl chloride	20.0	19.2		ug/L		96	62 - 129
Methylene Chloride	20.0	20.6		ug/L		103	77 - 120
o-Dichlorobenzene	20.0	20.3		ug/L		101	77 - 120
p-Dichlorobenzene	20.0	20.5		ug/L		103	74 - 120
1,1,2,2-Tetrachloroethane	20.0	22.4		ug/L		112	74 - 137
Tetrachloroethylene	20.0	20.3		ug/L		102	74 - 120
trans-1,3-Dichloropropene	20.0	21.2		ug/L		106	75 - 133
1,1,1-Trichloroethane	20.0	20.1		ug/L		100	79 - 121
1,1,2-Trichloroethane	20.0	21.5		ug/L		107	79 - 127
Trichloroethylene	20.0	20.4		ug/L		102	74 - 120
Trichlorofluoromethane	20.0	19.6		ug/L		98	60 - 135
Vinyl chloride	20.0	20.5		ug/L		102	68 - 121

TestAmerica Sacramento

QC Sample Results

Client: Environmental Resource Group, Inc.
Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
<i>4-Bromofluorobenzene (Surr)</i>	101		74 - 120
<i>Dibromofluoromethane (Surr)</i>	95		80 - 123
<i>1,2-Dichloroethane-d4 (Surr)</i>	95		72 - 123
<i>Toluene-d8 (Surr)</i>	100		78 - 120

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QC Association Summary

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

GC/MS VOA

Analysis Batch: 86996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-15044-1	MW1-0915	Total/NA	Water	8260C	
320-15044-2	MW2-0915	Total/NA	Water	8260C	
320-15044-3	MW3-0915	Total/NA	Water	8260C	
320-15044-4	MW4-0915	Total/NA	Water	8260C	
320-15044-5	MW5-0915	Total/NA	Water	8260C	
320-15044-6	MW6-0915	Total/NA	Water	8260C	
320-15044-7	MW7-0915	Total/NA	Water	8260C	
320-15044-8	MW9-0915	Total/NA	Water	8260C	
320-15044-9	MW10-0915	Total/NA	Water	8260C	
320-15044-10	MW11-0915	Total/NA	Water	8260C	
320-15044-11	MW12-0915	Total/NA	Water	8260C	
320-15044-12	MW13-0915	Total/NA	Water	8260C	
320-15044-13	SW2-0915	Total/NA	Water	8260C	
320-15044-14	SW4-0915	Total/NA	Water	8260C	
320-15044-15	SW5-0915	Total/NA	Water	8260C	
320-15044-16	SW6-0915	Total/NA	Water	8260C	
320-15044-17	SW7-0915	Total/NA	Water	8260C	
320-15044-18	SW8-0915	Total/NA	Water	8260C	
LCS 320-86996/4	Lab Control Sample	Total/NA	Water	8260C	
MB 320-86996/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 87023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-15044-19	SW10-0915	Total/NA	Water	8260C	
320-15044-20	SW12-0915	Total/NA	Water	8260C	
320-15044-21	DUP1-0915	Total/NA	Water	8260C	
320-15044-22	DUP2-0915	Total/NA	Water	8260C	
320-15044-23	Trip Blank	Total/NA	Water	8260C	
LCS 320-87023/4	Lab Control Sample	Total/NA	Water	8260C	
MB 320-87023/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 87098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-15044-1 - DL	MW1-0915	Total/NA	Water	8260C	
320-15044-2 - DL	MW2-0915	Total/NA	Water	8260C	
320-15044-5 - DL	MW5-0915	Total/NA	Water	8260C	
320-15044-11 - DL	MW12-0915	Total/NA	Water	8260C	
320-15044-15 - DL	SW5-0915	Total/NA	Water	8260C	
320-15044-16 - DL	SW6-0915	Total/NA	Water	8260C	
320-15044-17 - DL	SW7-0915	Total/NA	Water	8260C	
320-15044-22 - DL	DUP2-0915	Total/NA	Water	8260C	
LCS 320-87098/4	Lab Control Sample	Total/NA	Water	8260C	
MB 320-87098/6	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: MW1-0915

Date Collected: 09/14/15 14:16

Date Received: 09/22/15 09:20

Lab Sample ID: 320-15044-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	86996	09/23/15 16:00	SS	TAL SAC
Total/NA	Analysis	8260C	DL	10	50 mL	50 mL	87098	09/24/15 14:02	SS	TAL SAC

Client Sample ID: MW2-0915

Date Collected: 09/14/15 14:54

Date Received: 09/22/15 09:20

Lab Sample ID: 320-15044-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	86996	09/23/15 16:23	SS	TAL SAC
Total/NA	Analysis	8260C	DL	10	50 mL	50 mL	87098	09/24/15 14:25	SS	TAL SAC

Client Sample ID: MW3-0915

Date Collected: 09/15/15 09:05

Date Received: 09/22/15 09:20

Lab Sample ID: 320-15044-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	86996	09/23/15 16:45	SS	TAL SAC

Client Sample ID: MW4-0915

Date Collected: 09/15/15 09:55

Date Received: 09/22/15 09:20

Lab Sample ID: 320-15044-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	86996	09/23/15 17:07	SS	TAL SAC

Client Sample ID: MW5-0915

Date Collected: 09/16/15 12:10

Date Received: 09/22/15 09:20

Lab Sample ID: 320-15044-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	86996	09/23/15 17:29	SS	TAL SAC
Total/NA	Analysis	8260C	DL	5	50 mL	50 mL	87098	09/24/15 14:48	SS	TAL SAC

Client Sample ID: MW6-0915

Date Collected: 09/16/15 12:45

Date Received: 09/22/15 09:20

Lab Sample ID: 320-15044-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	86996	09/23/15 17:52	SS	TAL SAC

TestAmerica Sacramento

Lab Chronicle

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: MW7-0915

Date Collected: 09/16/15 13:11

Date Received: 09/22/15 09:20

Lab Sample ID: 320-15044-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	86996	09/23/15 18:14	SS	TAL SAC

Client Sample ID: MW9-0915

Date Collected: 09/14/15 12:15

Date Received: 09/22/15 09:20

Lab Sample ID: 320-15044-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	86996	09/23/15 18:37	SS	TAL SAC

Client Sample ID: MW10-0915

Date Collected: 09/14/15 13:25

Date Received: 09/22/15 09:20

Lab Sample ID: 320-15044-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	86996	09/23/15 19:00	SS	TAL SAC

Client Sample ID: MW11-0915

Date Collected: 09/14/15 11:00

Date Received: 09/22/15 09:20

Lab Sample ID: 320-15044-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	86996	09/23/15 19:22	SS	TAL SAC

Client Sample ID: MW12-0915

Date Collected: 09/16/15 10:45

Date Received: 09/22/15 09:20

Lab Sample ID: 320-15044-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	86996	09/23/15 19:45	SS	TAL SAC
Total/NA	Analysis	8260C	DL	10	50 mL	50 mL	87098	09/24/15 16:19	SS	TAL SAC

Client Sample ID: MW13-0915

Date Collected: 09/16/15 11:25

Date Received: 09/22/15 09:20

Lab Sample ID: 320-15044-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	86996	09/23/15 20:08	SS	TAL SAC

TestAmerica Sacramento

Lab Chronicle

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: SW2-0915

Lab Sample ID: 320-15044-13

Date Collected: 09/15/15 11:38

Matrix: Water

Date Received: 09/22/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	86996	09/23/15 20:31	SS	TAL SAC

Client Sample ID: SW4-0915

Lab Sample ID: 320-15044-14

Date Collected: 09/15/15 13:12

Matrix: Water

Date Received: 09/22/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	86996	09/23/15 20:54	SS	TAL SAC

Client Sample ID: SW5-0915

Lab Sample ID: 320-15044-15

Date Collected: 09/15/15 14:07

Matrix: Water

Date Received: 09/22/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	86996	09/23/15 21:17	SS	TAL SAC
Total/NA	Analysis	8260C	DL	5	50 mL	50 mL	87098	09/24/15 16:42	SS	TAL SAC

Client Sample ID: SW6-0915

Lab Sample ID: 320-15044-16

Date Collected: 09/15/15 14:55

Matrix: Water

Date Received: 09/22/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	86996	09/23/15 21:39	SS	TAL SAC
Total/NA	Analysis	8260C	DL	2	50 mL	50 mL	87098	09/24/15 17:06	SS	TAL SAC

Client Sample ID: SW7-0915

Lab Sample ID: 320-15044-17

Date Collected: 09/15/15 15:42

Matrix: Water

Date Received: 09/22/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	86996	09/23/15 22:02	SS	TAL SAC
Total/NA	Analysis	8260C	DL	2	50 mL	50 mL	87098	09/24/15 17:28	SS	TAL SAC

Client Sample ID: SW8-0915

Lab Sample ID: 320-15044-18

Date Collected: 09/16/15 09:02

Matrix: Water

Date Received: 09/22/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	86996	09/23/15 22:24	SS	TAL SAC

TestAmerica Sacramento

Lab Chronicle

Client: Environmental Resource Group, Inc.
 Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Client Sample ID: SW10-0915

Lab Sample ID: 320-15044-19

Date Collected: 09/15/15 16:49

Matrix: Water

Date Received: 09/22/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	87023	09/24/15 02:37	TC1	TAL SAC

Client Sample ID: SW12-0915

Lab Sample ID: 320-15044-20

Date Collected: 09/16/15 09:42

Matrix: Water

Date Received: 09/22/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	87023	09/24/15 02:59	TC1	TAL SAC

Client Sample ID: DUP1-0915

Lab Sample ID: 320-15044-21

Date Collected: 09/15/15 08:00

Matrix: Water

Date Received: 09/22/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	87023	09/24/15 03:23	TC1	TAL SAC

Client Sample ID: DUP2-0915

Lab Sample ID: 320-15044-22

Date Collected: 09/16/15 08:00

Matrix: Water

Date Received: 09/22/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	87023	09/24/15 03:46	TC1	TAL SAC
Total/NA	Analysis	8260C	DL	10	50 mL	50 mL	87098	09/24/15 17:51	SS	TAL SAC

Client Sample ID: Trip Blank

Lab Sample ID: 320-15044-23

Date Collected: 09/14/15 07:00

Matrix: Water

Date Received: 09/22/15 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	50 mL	50 mL	87023	09/24/15 02:13	TC1	TAL SAC

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Certification Summary

Client: Environmental Resource Group, Inc.
Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Laboratory: TestAmerica Sacramento

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-055	12-18-15
Oregon	NELAP	10	CA200005	01-29-16

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Method Summary

Client: Environmental Resource Group, Inc.
Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL SAC

Protocol References:

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

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600



Sample Summary

Client: Environmental Resource Group, Inc.
Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-15044-1	MW1-0915	Water	09/14/15 14:16	09/22/15 09:20
320-15044-2	MW2-0915	Water	09/14/15 14:54	09/22/15 09:20
320-15044-3	MW3-0915	Water	09/15/15 09:05	09/22/15 09:20
320-15044-4	MW4-0915	Water	09/15/15 09:55	09/22/15 09:20
320-15044-5	MW5-0915	Water	09/16/15 12:10	09/22/15 09:20
320-15044-6	MW6-0915	Water	09/16/15 12:45	09/22/15 09:20
320-15044-7	MW7-0915	Water	09/16/15 13:11	09/22/15 09:20
320-15044-8	MW9-0915	Water	09/14/15 12:15	09/22/15 09:20
320-15044-9	MW10-0915	Water	09/14/15 13:25	09/22/15 09:20
320-15044-10	MW11-0915	Water	09/14/15 11:00	09/22/15 09:20
320-15044-11	MW12-0915	Water	09/16/15 10:45	09/22/15 09:20
320-15044-12	MW13-0915	Water	09/16/15 11:25	09/22/15 09:20
320-15044-13	SW2-0915	Water	09/15/15 11:38	09/22/15 09:20
320-15044-14	SW4-0915	Water	09/15/15 13:12	09/22/15 09:20
320-15044-15	SW5-0915	Water	09/15/15 14:07	09/22/15 09:20
320-15044-16	SW6-0915	Water	09/15/15 14:55	09/22/15 09:20
320-15044-17	SW7-0915	Water	09/15/15 15:42	09/22/15 09:20
320-15044-18	SW8-0915	Water	09/16/15 09:02	09/22/15 09:20
320-15044-19	SW10-0915	Water	09/15/15 16:49	09/22/15 09:20
320-15044-20	SW12-0915	Water	09/16/15 09:42	09/22/15 09:20
320-15044-21	DUP1-0915	Water	09/15/15 08:00	09/22/15 09:20
320-15044-22	DUP2-0915	Water	09/16/15 08:00	09/22/15 09:20
320-15044-23	Trip Blank	Water	09/14/15 07:00	09/22/15 09:20



ARES
P.O. Box 83050
Fairbanks, Alaska 99708
Phone 907 374 3226
Fax 907 374 2319

Chain of Custody Report

Client: ERG		Invoice To: ERG		Laboratory Name: Test America Inc	
Report To: Ben Wells		Address: 1038 Redwood Highway Ste 1		Address: 5575 8th Street E	
Address: Mill Valley, CA 94941		P.O. Number: 415-381-6574		Address: Tacoma, WA 98484	
Email: bwells@environmentalerg.com		METH: N/A		Address: 253-922-2310	
Phone: (415)-381-6574		N/A		Address: 415-381-6574	
Fax: (415) 381-6320		METH: EPA 8260B		Turnaround Request	
Project Name: Bentley Mall		METH: EPA 8260B		In Business Days	
Project Number: Dustin Stahl		METH: EPA 8260B		Organic & Inorganic Analyses	
Sampled By: Dustin Stahl		METH: EPA 8260B		Petroleum Hydrocarbon Analyses	
Sample Identification		METH: EPA 8260B		Specify Other	
Sampling Date/Time		METH: EPA 8260B		Report Tier Levels	
MW12-0915 1045		METH: EPA 8260B		Tier II reporting	
MW13-0915 1125		METH: EPA 8260B		requested (results + QC)	
SW2-0915 1138		METH: EPA 8260B		Matrix (W,S,O)	
SW4-0915 1312		METH: EPA 8260B		Location / Comments	
SW5-0915 1407		METH: EPA 8260B		# of Cont	
SW6-0915 1455		METH: EPA 8260B		Lab ID	
SW7-0915 1542		METH: EPA 8260B		Date: 9/17/15	
SW8-0915 0902		METH: EPA 8260B		Time: 0800	
SW10-0915 1649		METH: EPA 8260B		Date: 9/22/15	
SW11-0915 0942		METH: EPA 8260B		Time: 1430	
Released By: Dustin Stahl		Date: 09/16/2015		Firm: TAMS	
Print Name: Dustin Stahl		Time: 1615		Firm: TAMS	
Released By: Dustin Stahl		Date: 9/21/15		Firm: TAMS	
Print Name: Dustin Stahl		Time: 1910		Firm: TAMS	
Additional Remarks		Standard PAT/Please report method detection limits along with the reporting limits for all samples.		Temp	
Page 2 of 3		Page 2 of 3		Page 2 of 3	

Login Sample Receipt Checklist

Client: Environmental Resource Group, Inc.

Job Number: 320-15044-1

Login Number: 15044
List Number: 1
Creator: Nelson, Kym D

List Source: TestAmerica Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Certification Summary

Client: Environmental Resource Group, Inc.
Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Laboratory: TestAmerica Sacramento

The certifications listed below are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Alaska (UST)	State Program	10	UST-055	12-18-15
Oregon	NELAP	10	CA200005	01-29-16

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Method Summary

Client: Environmental Resource Group, Inc.
Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL SAC

Protocol References:

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

Laboratory References:

TAL SAC = TestAmerica Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600



Sample Summary

Client: Environmental Resource Group, Inc.
Project/Site: Bentley Mall, Fairbanks - Soil Vapor & G

TestAmerica Job ID: 320-15044-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-15044-1	MW1-0915	Water	09/14/15 14:16	09/22/15 09:20
320-15044-2	MW2-0915	Water	09/14/15 14:54	09/22/15 09:20
320-15044-3	MW3-0915	Water	09/15/15 09:05	09/22/15 09:20
320-15044-4	MW4-0915	Water	09/15/15 09:55	09/22/15 09:20
320-15044-5	MW5-0915	Water	09/16/15 12:10	09/22/15 09:20
320-15044-6	MW6-0915	Water	09/16/15 12:45	09/22/15 09:20
320-15044-7	MW7-0915	Water	09/16/15 13:11	09/22/15 09:20
320-15044-8	MW9-0915	Water	09/14/15 12:15	09/22/15 09:20
320-15044-9	MW10-0915	Water	09/14/15 13:25	09/22/15 09:20
320-15044-10	MW11-0915	Water	09/14/15 11:00	09/22/15 09:20
320-15044-11	MW12-0915	Water	09/16/15 10:45	09/22/15 09:20
320-15044-12	MW13-0915	Water	09/16/15 11:25	09/22/15 09:20
320-15044-13	SW2-0915	Water	09/15/15 11:38	09/22/15 09:20
320-15044-14	SW4-0915	Water	09/15/15 13:12	09/22/15 09:20
320-15044-15	SW5-0915	Water	09/15/15 14:07	09/22/15 09:20
320-15044-16	SW6-0915	Water	09/15/15 14:55	09/22/15 09:20
320-15044-17	SW7-0915	Water	09/15/15 15:42	09/22/15 09:20
320-15044-18	SW8-0915	Water	09/16/15 09:02	09/22/15 09:20
320-15044-19	SW10-0915	Water	09/15/15 16:49	09/22/15 09:20
320-15044-20	SW12-0915	Water	09/16/15 09:42	09/22/15 09:20
320-15044-21	DUP1-0915	Water	09/15/15 08:00	09/22/15 09:20
320-15044-22	DUP2-0915	Water	09/16/15 08:00	09/22/15 09:20
320-15044-23	Trip Blank	Water	09/14/15 07:00	09/22/15 09:20



ARES
 P O Box 83050
 Fairbanks, Alaska 99708
 Phone: 907 374 3226
 Fax: 907 374 2319

Chain of Custody Report

Client: ERG		Report To: Ben Wells ERG 1038 Redwood Highway Ste. 1 Mill Valley, CA 94941 Email: bwells@environmentalerg.com Phone: (415)-381-6574 Fax: (415) 381-6320		Invoice To: ERG 1038 Redwood Highway Ste 1 Mill Valley, CA 94941 415-381-6574 P.O. Number:		Laboratory Name: Test America Inc. Address: 5575 8th Street E. Tacoma, WA 98484 253-922-2310	
Project Name: Bentley Mall		Project Number: Dustin Stahl		Preservative:		Turnaround Request In Business Days Organic & Inorganic Analyses	
Sampled By:		Requested Analyses:		Specify Other		Petroleum Hydrocarbon Analyses	
Sample Identification		Sampling Date/Time		METH		Report Tier Levels Tier II reporting requested (results + QC)	
				METH			
				N/A			
				N/A			
				EPA 8260B 1,4 Dioxane			
				EPA 8260B BTEX			
				AK 102 DRO			
				AK 103 RO			
				EPA 8270C PAH			
1 MW1-0915		09/14/2015 1416		X		W 3	
2 MW2-0915		09/14/2015 1454		X		W 3	
3 MW3-0915		09/15/2015 0905		X		W 3	
4 MW4-0915		09/15/2015 0955		X		W 3	
5 MW5-0915		09/16/2015 1210		X		W 3	
6 MW6-0915		09/16/2015 1245		X		W 3	
7 MW7-0915		09/16/2015 1311		X		W 3	
8 MW9-0915		09/14/2015 1215		X		W 3	
9 MW10-0915		09/14/2015 1325		X		W 3	
10 MW11-0915		09/14/2015 1100		X		W 3	
Released By: Dustin Stahl		Date: 09/16/2015		Firm: ARES		Date: 9/17/15	
Print Name: Dustin Stahl		Time: 1615		Firm: ARES		Time: 0900	
Released By: Bentley Mall		Date: 9/15/15		Firm: TA SEA		Date: 9/22/15	
Print Name: Bentley Mall		Time: 1300		Firm: TA SEA		Time: 920	
Additional Remarks:		Standard TAT/Please report method detection limits along with the reporting limits for all samples		Temp:		Page 1 of 3	



320-15044 Chain of Custody

ARZ "07
 Cooler/UB Dig/IR cor 0.6 unc
 Cooler Dsc L₂ D₁-el₁/P₁ @ Labo
 Wet/Packs Packing Babbie
 w/c/s





ARES
P.O. Box 83050
Fairbanks, Alaska 99708
Phone 907 374 3226
Fax 907 374 2319

Chain of Custody Report

Client: ERG		Invoice To: ERG		Laboratory Name: Test America Inc	
Report To: Ben Wells		Address: 1038 Redwood Highway Ste 1		Address: 5575 8th Street E	
Address: Mill Valley, CA 94941		P.O. Number: 415-381-6574		Tacoma, WA 98484	
Email: bwells@environmentalerg.com		METH		253-922-2310	
Phone: (415)-381-6574		N/A		415-381-6574	
Fax: (415) 381-6320		N/A		253-922-2310	
Project Name: Bentley Mall		METH		Preservative	
Project Number: Dustin Stahl		EPA 8260B		Petroleum Hydrocarbon Analyses	
Sampled By: Dustin Stahl		EPA 8260B		Specify Other	
Sample Identification		1,4 Dioxins		Report Tier Levels	
Sampling Date/Time		RTX		requested (results + QC)	
09/16/2015 1045		EPA 8260B		Organic & Inorganic Analyses	
09/16/2015 1125		AK 102		7 5 4 3 2 1 <1	
09/15/2015 1138		AK 103		Petroleum Hydrocarbon Analyses	
09/15/2015 1312		PAH		5 4 3 2 1 <1	
09/15/2015 1407		EPA 8270C		Requested Analyses	
09/15/2015 1455		DRO		Matrix (W,S,O)	
09/15/2015 1542		METH		# of Cont	
09/16/2015 0902		RTX		Location / Comments	
09/15/2015 1649		EPA 8260B		Lab ID	
09/16/2015 0942		AK 102			
09/16/2015 0942		AK 103			
Released By: Dustin Stahl		Date: 09/16/2015		Date: 9/17/15	
Print Name: Dustin Stahl		Time: 1615		Time: 0800	
Firm: ARES		Firm: ARES		Firm: TA SEA	
Released By: Dustin Stahl		Date: 9/21/15		Date: 9/22/15	
Print Name: Dustin Stahl		Time: 9:10		Time: 9:20	
Firm: ARES		Firm: ARES		Firm: TA SEA	
Additional Remarks: Standard PAT/Please report method detection limits along with the reporting limits for all samples.		Temp		Temp	





ARES
P.O. Box 83050
Fairbanks, Alaska 99708
Phone 907 374 3236
Fax 907 374 2319

Chain of Custody Report

Client: ERG		Ben Wells ERG 1038 Redwood Highway Ste 1 Mill Valley, CA 94941 bwells@environmentalrg.com (415)-381-6574 Fax: (415) 381-6320		Invoice To ERG 1038 Redwood Highway Ste 1 Mill Valley, CA 94941 415-381-6574 P O Number		Laboratory Name Address Test America Inc. 5575 8 th Street E Tacoma, WA 98484 253-922-2310		Turnaround Request In Business Days Organic & Inorganic Analyses 7 5 4 3 2 1 -1 Petroleum Hydrocarbon Analyses 5 4 3 2 1 -1											
Project Name Bentley Mail		METH		METH		N/A		N/A		Preservative									
Project Number: Sampled By: Dustin Stahl		METH		METH		N/A		N/A		Requested Analyses									
Sample Identification		Sampling Date/Time		EPA 826B NP Hvoc's		EPA 826B NP Hvoc's		AR 102 DRG		AR 103 RRO		EPA 8270C PAH		Matrix (W,S,O)		Location/Comments		Lab ID	
1. DUPI-0915		09/15/2015 0800		X										W				3	
2. DUP2-0915		09/16/2015 0800		X										W				3	
3. Trip Blank		09/14/2015 0700		X										W				3	
4.																			
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10.																			
Released By: <i>Dustin Stahl</i>		Date: 09/16/2015		Date: 09/16/2015		Date: 09/16/2015		Date: 09/16/2015		Date: 09/16/2015		Date: 09/16/2015		Date: 09/16/2015		Date: 09/16/2015		Date: 09/16/2015	
Print Name: <i>Dustin Stahl</i>		Firm: ARES		Firm: ARES		Firm: ARES		Firm: ARES		Firm: ARES		Firm: ARES		Firm: ARES		Firm: ARES		Firm: ARES	
Released By: <i>Cheryl Campbell</i>		Date: 9/17/15		Date: 9/17/15		Date: 9/17/15		Date: 9/17/15		Date: 9/17/15		Date: 9/17/15		Date: 9/17/15		Date: 9/17/15		Date: 9/17/15	
Print Name: <i>Cheryl Campbell</i>		Firm: TALS		Firm: TALS		Firm: TALS		Firm: TALS		Firm: TALS		Firm: TALS		Firm: TALS		Firm: TALS		Firm: TALS	
Additional Remarks Standard TAT/Please report method detection limits along with the reporting limits for all samples.		Temp		Temp		Temp		Temp		Temp		Temp		Temp		Temp		Temp	

CCP REV 02/2015



Login Sample Receipt Checklist

Client: Environmental Resource Group, Inc.

Job Number: 320-15044-1

Login Number: 15044
List Number: 1
Creator: Nelson, Kym D

List Source: TestAmerica Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



APPENDIX C: LABORATORY DATA REVIEW CHECKLIST

Laboratory Data Review Checklist

Completed by:	Yola Bayram		
Title:	Geologist	Date:	10/27/2015
CS Report Name:	Ground Water Monitoring Report for 2015	Report Date:	Nov 2, 2015
Consultant Firm:	Environmental Resource Group, Inc.		
Laboratory Name:	TestAmerica Laboratories	Laboratory Report Number:	320-15044-1
ADEC File Number:	102.38.122	ADEC RecKey Number:	

1. Laboratory

a. Did an ADEC CS approved laboratory receive and perform all of the submitted sample analyses?

Yes No NA (Please explain.) Comments:

b. If the samples were transferred to another "network" laboratory or sub-contracted to an alternate laboratory, was the laboratory performing the analyses ADEC CS approved?

Yes No NA (Please explain) Comments:

2. Chain of Custody (COC)

a. COC information completed, signed, and dated (including released/received by)?

Yes No NA (Please explain) Comments:

b. Correct analyses requested?

Yes No NA (Please explain) Comments:

3. Laboratory Sample Receipt Documentation

a. Sample/cooler temperature documented and within range at receipt ($4^{\circ} \pm 2^{\circ} \text{C}$)?

Yes No NA (Please explain) Comments:

Cooler at 0.7C at receipt.

b. Sample preservation acceptable - acidified waters, Methanol preserved VOC soil (GRO, BTEX, Volatile Chlorinated Solvents, etc.)?

Yes No NA (Please explain) Comments:

c. Sample condition documented - broken, leaking (Methanol), zero headspace (VOC vials)?

Yes No NA (Please explain) Comments:

d. If there were any discrepancies, were they documented? - For example, incorrect sample containers/preservation, sample temperature outside of acceptance range, insufficient or missing samples, etc.?

Yes No NA (Please explain) Comments:

Sample ID mislabeled in field and fixed

e. Data quality or usability affected? (Please explain)

Comments:

No quality issues noted

4. Case Narrative

a. Present and understandable?

Yes No NA (Please explain) Comments:

b. Discrepancies, errors or QC failures identified by the lab?

Yes No NA (Please explain) Comments:

c. Were all corrective actions documented?

Yes No NA (Please explain) Comments:

d. What is the effect on data quality/usability according to the case narrative?

Comments:

None. No quality issues noted

5. Samples Results

a. Correct analyses performed/reported as requested on COC?

Yes No NA (Please explain)

Comments:

b. All applicable holding times met?

Yes No NA (Please explain)

Comments:

c. All soils reported on a dry weight basis?

Yes No NA (Please explain)

Comments:

No soil samples

d. Are the reported PQLs less than the Cleanup Level or the minimum required detection level for the project?

Yes No NA (Please explain)

Comments:

e. Data quality or usability affected? (Please explain)

Comments:

No

6. QC Samples

a. Method Blank

i. One method blank reported per matrix, analysis and 20 samples?

Yes No NA (Please explain)

Comments:

ii. All method blank results less than PQL?

Yes No NA (Please explain)

Comments:

iii. If above PQL, what samples are affected?

Comments:

None

iv. Do the affected sample(s) have data flags? If so, are the data flags clearly defined?

Yes No NA (Please explain) Comments:

v. Data quality or usability affected? (Please explain)

Comments:

None

b. Laboratory Control Sample/Duplicate (LCS/LCSD)

i. Organics - One LCS/LCSD reported per matrix, analysis and 20 samples? (LCS/LCSD required per AK methods, LCS required per SW846)

Yes No NA (Please explain) Comments:

ii. Metals/Inorganics - One LCS and one sample duplicate reported per matrix, analysis and 20 samples?

Yes No NA (Please explain) Comments:

iii. Accuracy - All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods: AK101 60%-120%, AK102 75%-125%, AK103 60%-120%; all other analyses see the laboratory QC pages)

Yes No NA (Please explain) Comments:

iv. Precision - All relative percent differences (RPD) reported and less than method or laboratory limits? And project specified DQOs, if applicable. RPD reported from LCS/LCSD, MS/DMSD, and or sample/sample duplicate. (AK Petroleum methods 20%; all other analyses see the laboratory QC pages)

Yes No NA (Please explain) Comments:

v. If %R or RPD is outside of acceptable limits, what samples are affected?

Comments:

None

vi. Do the affected samples(s) have data flags? If so, are the data flags clearly defined?

Yes No NA (Please explain) Comments:

vii. Data quality or usability affected? (Please explain)

Comments:

None

c. Surrogates - Organics Only

i. Are surrogate recoveries reported for organic analyses - field, QC and laboratory samples?

Yes No NA (Please explain) Comments:

ii. Accuracy - All percent recoveries (%R) reported and within method or laboratory limits? And project specified DQOs, if applicable. (AK Petroleum methods 50-150 %R; all other analyses see the laboratory report pages)

Yes No NA (Please explain) Comments:

iii. Do the sample results with failed surrogate recoveries have data flags? If so, are the data flags clearly defined?

Yes No NA (Please explain) Comments:

no fails

iv. Data quality or usability affected? (Use the comment box to explain.)

Comments:

None

d. Trip Blank - Volatile analyses only (GRO, BTEX, Volatile Chlorinated Solvents, etc.): Water and Soil

i. One trip blank reported per matrix, analysis and for each cooler containing volatile samples? (If not, enter explanation below.)

Yes No NA (Please explain.) Comments:

ii. Is the cooler used to transport the trip blank and VOA samples clearly indicated on the COC? (If not, a comment explaining why must be entered below)

Yes No NA (Please explain.) Comments:

iii. All results less than PQL?

Yes No NA (Please explain.)

Comments:

iv. If above PQL, what samples are affected?

Comments:

None

v. Data quality or usability affected? (Please explain.)

Comments:

NA

e. Field Duplicate

i. One field duplicate submitted per matrix, analysis and 10 project samples?

Yes No NA (Please explain.)

Comments:

ii. Submitted blind to lab?

Yes No NA (Please explain.)

Comments:

iii. Precision - All relative percent differences (RPD) less than specified DQOs?
(Recommended: 30% water, 50% soil)

$$RPD (\%) = \frac{\text{Absolute Value of: } (R_1 - R_2)}{((R_1 + R_2)/2)} \times 100$$

Where R_1 = Sample Concentration

R_2 = Field Duplicate Concentration

Yes No NA (Please explain.)

Comments:

iv. Data quality or usability affected? (Use the comment box to explain why or why not.)

Yes No NA (Please explain.)

Comments:

All RPDs are less than 30%

f. Decontamination or Equipment Blank (if applicable)

Yes No NA (Please explain)

Comments:

None

i. All results less than PQL?

Yes No NA (Please explain)

Comments:

ii. If above PQL, what samples are affected?

Comments:

NA

iii. Data quality or usability affected? (Please explain.)

Comments:

NA

7. Other Data Flags/Qualifiers (ACOE, AFCEE, Lab Specific, etc.)

a. Defined and appropriate?

Yes No NA (Please explain)

Comments:

Reset Form