Department of Environmental Conservation

SITE MANAGEMENT

BIENNIAL REPORT
2017 CALENDAR YEAR

WORK ASSIGNMENT D007622-13

KERRY CHEMICAL COMPANY SITE — SITE NO. 413001
HANCOCK (T) — DELAWARE (C), NY

Prepared for:
NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
625 Broadway, Albany, New York

Basil Seggos, Commissioner

DIVISION OF ENVIRONMENTAL REMEDIATION

URS Corporation
257 West Genesee Street, Suite 400
Buffalo, New York 14202

March 2018

KERRY CHEMICAL SITE
2017 BIENNIAL REPORT
SITE MANAGEMENT

SITE # 413001

TOWN OF HANCOCK, DELAWARE COUNTY, NEW YORK

PREPARED FOR:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

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257 WEST GENESEE STREET

BUFFALO, NEW YORK 14202

MARCH 2018

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1.0 INTRODUCTION

1.1 General

This Site Management Biennial Report for the Calendar Year 2017 has been prepared under New York State Department of Environmental Conservation (NYSDEC) Work Assignment No. D007622-13 for the Kerry Chemical Site (Figure 1). The purpose of this Biennial Report is to provide a record of the post-remediation monitoring and maintenance activities at the Kerry Chemical Site. This report is the sixth report as called for by Section 4.2 of the Operation, Monitoring and Maintenance Plan (OMM Plan) (URS, 2008).

1.2 Project Background

The Kerry Chemical Company site is site number 413001 on the NYSDEC's registry of inactive hazardous waste sites. The site investigation was completed in the late 1980's and a *Record of Decision* (*ROD*) was issued in late 1990. Remedial actions were undertaken in two phases at the site during the period of November 2005 through November 2007. Additional background information for the site and a summary of the completed remedial actions are provided in Section 2.0.

2.0 SITE DESCRIPTION

The Kerry Chemical Company site is approximately ¾ mile north of the Hamlet of Cadosia in the Town of Hancock, Delaware County, New York, as shown on Figure 1. The site encompasses approximately 10 acres, is 2/5 mile long in a north-south direction, and is bounded on the east by Cadosia Creek and on the west by an abandoned railroad grade and steep hillside. Cadosia Creek flows into the East Branch of the Delaware River approximately two miles south of the site.

A Remedial Investigation/Feasibility Study (RI/FS) was completed at the Kerry Chemical site in the late 1980's. A *ROD* was signed in December 1990 calling for on-site thermal destruction of the wood tar wastes. A Remedial Design (RD) was completed in 1995, which complied with the *ROD*. Subsequently, off-site disposal was re-evaluated and incorporated into an Explanation of Significant Difference (ESD) and included in the bid documents as an alternate method of disposal. The initial construction contract implementing off-site disposal began in late 2005 and early 2006. Extensive quantities of tar were encountered beyond the amount anticipated in the initial construction contract. A second ESD was issued and a second construction contract was advertised in August 2006 to finish the work. The second phase of work was completed in 2007.

3.0 MONITORING ACTIVITIES

Monitoring activities performed during December 2017 consisted of the collection of groundwater samples from 15 on-site and 2 off-site monitoring wells that are shown on Figure 2.

3.1 Groundwater Hydraulic Monitoring

On December 4 and 5 2017, groundwater level measurements were obtained from the 15 on-site and 2 off-site monitoring wells. The water level measurements are provided in Table 1. The monitoring wells were installed to monitor groundwater quality of three different depth intervals – shallow, intermediate, and deep. There are no apparent confining layers separating each depth interval.

Potentiometric surface maps based on the water level measurements from the shallow, intermediate, and deep wells, using a 2.0-foot contour interval, are provided on Figures 3, 4 and 5, respectively. The shallow groundwater flow has been determined to be to the east, and south/southeast, towards Cadosia Creek. The intermediate groundwater flow has been determined to be to the south/southwest, parallel to Cadosia Creek. The deep groundwater flow has been determined to be to the east, and south/southeast, towards Cadosia Creek.

3.2 Groundwater Sampling

On December 4-5, 2017, URS collected groundwater samples from the 15 on-site and 2 off-site monitoring wells, plus quality control (QC) samples. All the on-site monitoring wells were purged and sampled using low-flow procedures. The off-site monitoring wells MW-B1S and MW-B1D were purged and sampled with a bailer.

Prior to sample collection, standing water was purged from all wells. On-site wells were purged with a GeoPump 2 peristaltic pump using dedicated/disposable high-density polyethylene (HDPE) tubing. Off-site monitoring wells MW-B1S and MW-B1D were purged using disposable PVC bailers. All wells except MW-B1S and MW-B1D were purged at a rate of 1-liter per minute or less and the purge rate was adjusted to minimize draw down. Monitoring wells MW-B1S and MW-B1D were purged to dryness on December 4, 2017, and sampled on December 5, 2017, after groundwater was allowed to recover a sufficient volume for the collection of samples. Purge water was disposed of on the ground up-gradient of the well locations, as per the direction of the Department.

During the purging of the wells, water quality parameters [i.e., pH, temperature, specific conductivity, dissolved oxygen, turbidity, and oxygen reduction potential (ORP)] were measured using a YSI ProDSS Multi-parameter instrument with a flow-through cell and documented on a purge log. Samples were collected after the water quality parameters stabilized. Photographs of well sampling activities can be found in Appendix A. A copy of the field notes can be found in Appendix B. Well Purge Logs can be found in Appendix C.

The groundwater samples were delivered by URS under chain-of custody (COC) to the NYSDEC call-out laboratory, Test America Laboratories, Inc. (Test America), located in Amherst, NY, and West Sacramento, CA; both are NYSDOH accredited laboratories. The groundwater samples were analyzed by the following United States Environmental Protection Agency (USEPA) methods:

- Target Compound List (TCL) volatile organic compounds (VOCs) by Method 8260C;
- TCL semi-volatile organic compounds (SVOCs) by Method 8270D; and
- Target Analyte List (TAL) metals following Methods SW6010C/7470A.

Groundwater samples from monitoring wells MW-B1S, MW-B1D, MW-03S, MW-03I, MW-05S, MW-05I, MW-05D and MW-10I were also analyzed for polyfluoroalkyl substances (PFASs) by USEPA Method 537 and 1,4-Dioxane by Method 8270D Selective Ion Monitoring (SIM).

The analytical data [i.e., NYSDEC Analytical Services Protocol (ASP) Category B data deliverables] were reviewed in accordance with the requirements outlined in Guidance for Data Deliverables and the Development of Data Usability Summary Reports (DUSR), Appendix 2B, *DER-10/Technical Guidance for Site Investigation and Remediation* (NYSDEC, 2010). Data summary tables and Form Is are provided in the DUSR and include the reporting limit for each non-detected compound. A copy of the DUSR may be found in Appendix D.

3.2.1 Groundwater Results

A summary of the detected compounds in the groundwater samples are provided in Table 2. The data in Table 2 are compared to Class GA groundwater standards and guidance values as presented in the *Technical and Guidance Series (TOGS 1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations* (NYSDEC 1998; Revised April

2000 and June 2004). Results exceeding TOGS 1.1.1 Class GA groundwater standards or guidance values are indicated with a circle. The locations of detected compounds that have exceeded their respective criteria are shown on Figure 6.

The analytical results for the 2017 monitoring event are summarized as follows:

- No VOCs were detected at concentrations exceeding TOGS 1.1.1 Class GA groundwater standards at any locations.
- Two SVOCs (benzo(a)anthracene and benzo(b)fluoranthene) were detected at concentrations exceeding TOGS 1.1.1 Class GA standards or guidance values in well MW-B1S. This is the first time benzo(a)anthracene was detected at the site, and the third exceedance of benzo(b)fluoranthene in this well. No other SVOCs were detected at concentrations exceeding TOGS 1.1.1 Class GA groundwater standards at any of the remaining locations.

  Caprolactam was detected in MW-B1S and MW-B1D at concentrations of 1,700 micrograms per liter (µg/L) and 280 µ/L respectively. These concentrations were the result of second dilution analyses; however there are no criteria associated with this compound. Caprolactam is used to make nylon rope, which suggests that the source of these detections might be the rope attached to the dedicated bailers in these monitoring wells.
- Up to six metals (arsenic, cadmium, chromium, iron, lead, and/or manganese) were detected in wells MW-03S, MW-04S, MW-04I, MW-05S, MW-07S, MW-09S, MW-10S, MW-B1D, MW-B1S and MW-B3S, at concentrations that exceeded TOGS 1.1.1 Class GA standards.
- 1,4-Dioxane was not detected in any of the samples analyzed.
- The PFAS perfluorooctanesulfonic acid (PFOS) was detected in the samples collected from MW-10I and MW-B1S, at estimated concentrations of 0.65 nanograms per liter (ng/L) and 1.3 ng/L respectively; below its practical quantitation limit (PQL) of 1.9 ng/L, and below its criteria of 70 ng/L (USEPA, 2016). In addition, the total concentrations of PFOS and perfluorooctanoic acid (PFOA) detected in MW-10I and MW-B1S are at estimated concentrations of 0.65 ng/L and 1.3 ng/L respectively; below its PQL, and below its criteria of 70 ng/L (USEPA,

2016). Perfluorobutanoic acid (PFBA) and perfluoropentanoic acid (PFPA) were detected in MW-10I at concentrations of 2.2 ng/L and 2.0 ng/L respectively; slightly above their PQLs of 1.9 ng/L. The remaining PFASs detected were at estimated concentrations below their PQLs in MW-05S, MW-10I, MW-B1S and MW-B1D.

4.0 SITE MAINTENANCE

4.1 Monitoring Well Inspections

During the December 2017 monitoring event, a well inspection was performed. All wells appeared to be in good condition. The monitoring well inspection logs may be found in Appendix E.

4.2 Site Inspection

During the December 2017 site visit, a site inspection was performed by URS personnel. The site inspection included the following items: access road; site fence; vegetative cover; groundwater monitoring wells (Section 4.1); and stream bank protection. All items associated with the inspection were found to be in good order; however, vegetation was growing through the gravel driveway, which will need attention in the future. In addition, the site in general was overgrown with tall vegetation and was in need of mowing. Photographs of the site can be found in Appendix A. A copy of the completed site inspection form can be found in Appendix F.

4.3 Maintenance Performed

Maintenance performed at the site during 2017 is described below.

4.3.1 Monitoring Well Maintenance

No monitoring well maintenance was performed during the December 2017 site visit.

4.3.2 Routine Maintenance

No routine maintenance was performed at the time this report was prepared.

4.3.3 Intermittent Maintenance

URS marked each well pair/triplet with bright orange flagging. Photographs of the site can be found in Appendix A.

5.0 SUMMARY AND RECOMMENDATIONS

5.1 Groundwater Hydraulic Monitoring

It has been determined that the shallow and deep groundwater flows are to the east, south/southeast, towards Cadosia Creek. The intermediate groundwater flow is to the south/southwest, parallel with Cadosia Creek.

5.2 Groundwater Quality Monitoring

Several metals (i.e., arsenic, cadmium, chromium, iron, lead, and/or manganese) exceeded TOGS 1.1.1 Class GA standards and guidance values during the 2017 monitoring event. A historical summary of compounds detected in groundwater samples since post-remediation monitoring began is provided in Table 3. Figure 6 includes results from the 2010, 2011, 2013, 2014, 2015 and 2017 monitoring events. A statistical summary of compounds detected since post-remediation monitoring began is provided in Table 4 and shows which compounds exceeded TOGS 1.1.1 Class GA groundwater standards or guidance values at least once. A trend analysis of compounds that have exceeded their respective TOGS 1.1.1 Class GA standards and guidance values using Mann-Kendall statistical analysis is provided in Table 5 and summarized as follows:

- An upward trend for arsenic in monitoring well MW-03S;
- An upward trend for manganese in monitoring well MW-04S; and.
- All other compounds exhibit either no trend or a downward trend.

Contingency monitoring may be implemented at the site if a significant increase (i.e., an increase in concentration of greater than 3 standard deviations) in existing groundwater quality has occurred over a period of two consecutive sampling events. The contingency monitoring procedures are further discussed in the OMM Plan (URS, 2008). According to the ROD (NYSDEC, 1990), there were no contaminants of concern identified for groundwater. The site contaminant, wood tar, is made up of different organic chemicals including polycyclic aromatic hydrocarbons (PAHs) and several phenolic compounds, therefore metals were not evaluated for contingency monitoring. Only manganese in MW-04S shows an increase in concentration after two consecutive sampling events. The results of the December 2017 sampling event did not trigger any contingency measures.

Per the OMM (URS, 2008) groundwater sampling frequency may be reduced after the first five years if no significant increases in groundwater contaminants are observed. No significant increases in groundwater contaminants have been observed over the last 6 monitoring events, therefore continuing to monitor on a biennial basis (every other year) is recommended to monitor post remediation groundwater quality. It is recommended that the next sampling event take place in 2019. In addition, since there were no detections of 1,4-Dioxane and the PFAS detections were slightly above or below their PQLs, and significantly below their criteria (USEPA, 2016), continued monitoring for these analytes may not be necessary in future monitoring events. Also, during the next site visit, the bailer ropes in MW-B1S and MW-B1D should be replaced with non-nylon ropes.

5.3 Monitoring Well Maintenance

No monitoring well maintenance is recommended at this time.

5.4 Site Maintenance

It was noted during the site inspection that items requiring maintenance in the near future were:

- The presence of grass growing up through the gravel driveway;
- Mowing may be helpful in maintaining open areas by preventing the establishment of seedlings.

These items will be monitored during the next biennial site inspection and remedial actions will take place, if required, to maintain the integrity of the access road and rip-rap.

6.0 REFERENCES

New York State Department of Environmental Conservation (NYSDEC). 1990. *Record of Decision, Kerry Chemical Company Site, Delaware County, New York, Site Number 4-13-001*. December.

NYSDEC. 1998. *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations,* Technical and Operational Guidance Series (TOGS 1.1.1). Albany: Division of Water. June.

NYSDEC. 2000. *April 2000 Addendum to June 1998 Division of Water Technical and Operational Guidance Series* (TOGS) No. 1.1.1. Albany: Division of Water. April.

NYSDEC. 2004. *June 2004 Addendum to June 1998 Division of Water Technical and Operational Guidance Series* (TOGS) No. 1.1.1. Albany: Division of Water. June.

NYSDEC. 2010. NYSDEC Division of Environmental Remediation DER-10 *Technical Guidance for Site Investigation and Remediation, Appendix 2B - Guidance for Data Deliverables and Development of Data Usability Summary Reports* (DUSR). May.

United States Environmental Protection Agency (USEPA), 2016. *Federal Register / Vol. 81, No. 101*. May.

URS Corporation – New York (URS). 2008. *Kerry Chemical Operation, Monitoring and Maintenance Plan*. January.

TABLES

TABLE 1
GROUNDWATER ELEVATION MEASUREMENTS
KERRY CHEMICAL SITE

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Depth to Water (ft)	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MW-03I	54229.66	52973.02	1011.19		1015.97	I	7/20/2010 0000	3.34	1012.63	0.00		
							9/15/2010 1121	3.22	1012.75	0.00		
							12/14/2011 1201	1.51	1014.46	0.00		
							6/18/2013 0000	1.69	1014.28	0.00		
							12/8/2014 1320	1.67	1014.30	0.00		
							12/7/2015 0000	1.89	1014.08	0.00		
							12/4/2017 1120	2.43	1013.54	0.00		
MW-03S	54239.31	52979.23	1012.61		1015.27	A	7/20/2010 0000	5.45	1009.82	0.00		
							9/15/2010 1115	5.32	1009.95	0.00		
							12/14/2011 1159	3.64	1011.63	0.00		
							6/18/2013 0000	4.00	1011.27	0.00		
							12/8/2014 1245	4.10	1011.17	0.00		
							12/7/2015 0000	4.48	1010.79	0.00		
							12/4/2017 1130	4.67	1010.60	0.00		
MW-04I	54467.65	53154.2	1017.50		1019.91	I	7/20/2010 0000	6.89	1013.02	0.00		
							9/15/2010 1107	6.79	1013.12	0.00		
							12/14/2011 1148	5.17	1014.74	0.00		
							6/18/2013 0000	5.25	1014.66	0.00		
							12/8/2014 1406	5.09	1014.82	0.00		
							12/7/2015 0000	5.38	1014.53	0.00		
							12/4/2017 1242	5.84	1014.07	0.00		
MW-04S	54459.64	53148.08	1017.29		1019.21	A	7/20/2010 0000	8.19	1011.02	0.00		
							9/15/2010 1110	8.50	1010.71	0.00		

NM - No Measurement

The value noted in the column labeled Specific Gravity is an assumed value for free product, if found.

Geologic Zone:

A	Shallow Unconfined Aquifer
B	Deep Unconfined Aquifer
D	Bedrock Aquifer
I	Intermediate Unconfined Aquifer
UN	Unknown

Type:

MNW	Monitoring Well

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KERRY CHEMICAL SITE

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Depth to Water (ft)	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
							12/14/2011 1151	6.54	1012.67	0.00		
							6/18/2013 0000	6.71	1012.50	0.00		
							12/8/2014 1450	6.14	1013.07	0.00		
							12/7/2015 0000	6.64	1012.57	0.00		
							12/4/2017 1245	6.91	1012.30	0.00		
MW-05D	54699.89	53271.2	1020.43		1022.02	B	7/20/2010 0000	7.73	1014.29	0.00		
							9/15/2010 1052	7.60	1014.42	0.00		
							12/15/2011 1147	5.88	1016.14	0.00		
							6/18/2013 0000	5.98	1016.04	0.00		
							12/8/2014 1710	6.08	1015.94	0.00		
							12/7/2015 0000	6.14	1015.88	0.00		
							12/4/2017 1510	6.70	1015.32	0.00		
MW-05I	54680.88	53265.58	1020.05		1021.57	I	7/20/2010 0000	5.51	1016.06	0.00		
							9/15/2010 1056	5.41	1016.16	0.00		
							12/14/2011 1139	3.78	1017.79	0.00		
							6/18/2013 0000	3.92	1017.65	0.00		
							12/8/2014 1539	3.80	1017.77	0.00		
							12/7/2015 0000	3.88	1017.69	0.00		
							12/4/2017 1505	4.43	1017.14	0.00		
MW-05S	54692.8	53262.24	1020.49		1022.50	A	7/20/2010 0000	7.90	1014.60	0.00		
							9/15/2010 1048	7.71	1014.79	0.00		
							12/14/2011 1137	6.60	1015.90	0.00		
							6/18/2013 0000	6.68	1015.82	0.00		
							12/8/2014 1635	6.40	1016.10	0.00		

NM - No Measurement

The value noted in the column labeled Specific Gravity is an assumed value for free product, if found.

Geologic Zone:

A	Shallow Unconfined Aquifer
B	Deep Unconfined Aquifer
D	Bedrock Aquifer
I	Intermediate Unconfined Aquifer
UN	Unknown

Type:

MNW	Monitoring Well

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							12/7/2015 0000	6.57	1015.93	0.00		
							12/4/2017 1605	7.11	1015.39	0.00		
MW-07I	54877.28	53315.92	1022.80		1024.69	I	7/20/2010 0000	5.44	1019.25	0.00		
							9/15/2010 1045	5.31	1019.38	0.00		
							12/14/2011 1123	3.82	1020.87	0.00		
							6/18/2013 0000	3.83	1020.86	0.00		
							12/9/2014 1153	3.82	1020.87	0.00		
							12/8/2015 0000	3.89	1020.80	0.00		
							12/5/2017 0750	4.29	1020.40	0.00		
MW-07S	54887.04	53317.77	1022.02		1024.78	A	7/20/2010 0000	8.83	1015.95	0.00		
							9/15/2010 1042	8.67	1016.11	0.00		
							12/14/2011 1120	7.82	1016.96	0.00		
							6/18/2013 0000	7.87	1016.91	0.00		
							12/9/2014 1115	7.63	1017.15	0.00		
							12/8/2015 0000	7.72	1017.06	0.00		
							12/5/2017 0750	8.20	1016.58	0.00		
MW-09S	55571.63	53256.19	1033.54		1035.44	A	7/20/2010 0000	7.62	1027.82	0.00		
							9/15/2010 1035	7.54	1027.90	0.00		
							12/14/2011 0855	4.56	1030.88	0.00		
							6/18/2013 0000	4.43	1031.01	0.00		
							12/9/2014 1605	4.27	1031.17	0.00		
							12/8/2015 0000	4.44	1031.00	0.00		
							12/5/2017 1010	5.81	1029.63	0.00		

NM - No Measurement

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Geologic Zone:

A	Shallow Unconfined Aquifer
B	Deep Unconfined Aquifer
D	Bedrock Aquifer
I	Intermediate Unconfined Aquifer
UN	Unknown

Type:

MNW	Monitoring Well

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MW-10D	55550.16	53377.23	1033.39		1035.45	B	7/20/2010 0000	8.81	1026.64	0.00		
							9/15/2010 1024	8.82	1026.63	0.00		
							12/14/2011 0834	6.62	1028.83	0.00		
							6/18/2013 0000	6.96	1028.49	0.00		
							12/9/2014 1310	6.62	1028.83	0.00		
							12/8/2015 0000	6.93	1028.52	0.00		
							12/5/2017 0900	7.85	1027.60	0.00		
MW-10I	55557.15	53382.8	1033.43		1035.26	I	7/20/2010 0000	10.02	1025.24	0.00		
							9/15/2010 1030	9.97	1025.29	0.00		
							12/14/2011 0838	7.89	1027.37	0.00		
							6/18/2013 0000	8.16	1027.10	0.00		
							12/9/2014 1505	8.03	1027.23	0.00		
							12/8/2015 0000	8.58	1026.68	0.00		
							12/5/2017 0905	9.16	1026.10	0.00		
MW-10S	55543.03	53382.73	1033.35		1035.53	A	7/20/2010 0000	10.55	1024.98	0.00		
							9/15/2010 1017	10.47	1025.06	0.00		
							12/14/2011 1229	8.29	1027.24	0.00		
							6/18/2013 0000	8.03	1027.50	0.00		
							12/9/2014 1415	7.54	1027.99	0.00		
							12/8/2015 0000	7.77	1027.76	0.00		
							12/5/2017 0950	9.54	1025.99	0.00		
MW-B1D	55226.51	53082.3	1044.66	1048.02	1047.87	B	7/20/2010 0000	21.35	1026.52	0.00		
							9/15/2010 1129	21.63	1026.24	0.00		

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							12/15/2011 1401	18.61	1029.26	0.00		
							6/19/2013 0000	19.10	1028.77	0.00		
							12/8/2014 1120	18.74	1029.13	0.00		
							12/7/2015 0000	19.17	1028.70	0.00		
							12/4/2017 0929	19.97	1027.90	0.00		
MW-B1S	55227.76	53090.37	1044.28	1047.79	1047.50	A	7/20/2010 0000	9.72	1037.78	0.00		
							9/15/2010 1134	14.25	1033.25	0.00		
							12/15/2011 1403	5.90	1041.60	0.00		
							6/18/2013 0000	6.20	1041.30	0.00		
							12/8/2014 1140	9.33	1038.17	0.00		
							12/7/2015 0000	10.57	1036.93	0.00		
							12/4/2017 0915	11.90	1035.60	0.00		
MW-B3D	54647.61	53140.78	1021.05	1023.87	1023.48	B	7/20/2010 0000	9.08	1014.40	0.00		
							9/15/2010 1100	9.30	1014.18	0.00		
							12/14/2011 1214	7.05	1016.43	0.00		
							6/18/2013 0000	7.16	1016.32	0.00		
							12/9/2014 0900	6.79	1016.69	0.00		
							12/8/2015 0000	6.88	1016.60	0.00		
							12/4/2017 1350	7.45	1016.03	0.00		
MW-B3S	54651.45	53130.26	1021.05	1023.96	1023.42	A	7/20/2010 0000	9.28	1014.14	0.00		
							9/15/2010 1105	9.32	1014.10	0.00		
							12/14/2011 1216	7.27	1016.15	0.00		
							6/18/2013 0000	7.38	1016.04	0.00		
							12/9/2014 0950	6.92	1016.50	0.00		

NM - No Measurement

The value noted in the column labeled Specific Gravity is an assumed value for free product, if found.

Geologic Zone:

A	Shallow Unconfined Aquifer
B	Deep Unconfined Aquifer
D	Bedrock Aquifer
I	Intermediate Unconfined Aquifer
UN	Unknown

Type:

MNW	Monitoring Well

Filter = ([tblGWD].[SITEID]="11176206")

Printed: 3/2/2018 11:30:40 AM
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TABLE 1
GROUNDWATER ELEVATION MEASUREMENTS
KERRY CHEMICAL SITE

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Depth to Water (ft)	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
							12/8/2015 0000	6.97	1016.45	0.00		
							12/4/2017 1355	7.52	1015.90	0.00		

NM - No Measurement

The value noted in the column labeled Specific Gravity is an assumed value for free product, if found.

Geologic Zone:

A	Shallow Unconfined Aquifer
B	Deep Unconfined Aquifer
D	Bedrock Aquifer
I	Intermediate Unconfined Aquifer
UN	Unknown

Type:

MNW	Monitoring Well

Filter = ([tblGWD].[SITEID]="11176206")

Printed: 3/2/2018 11:30:41 AM
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TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER - DECEMBER 2017
KERRY CHEMICAL SITE

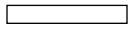
Location ID				MW-03I	MW-03S	MW-04I	MW-04S	MW-05D
Sample ID				MW-03I	MW-03S	MW-04I	MW-04S	MW-05D
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				12/04/17	12/04/17	12/04/17	12/04/17	12/04/17
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**					
Volatile Organic Compounds								
Acetone	UG/L	50	-	2.4 J	3.1 J	2.6 J	2.7 J	
Benzene	UG/L	1	-					
Toluene	UG/L	5	-					
Xylene (total)	UG/L	5	-					
Semivolatile Organic Compounds								
Benzo(a)anthracene	UG/L	0.002	-					
Benzo(b)fluoranthene	UG/L	0.002	-					
Caprolactam	UG/L	-	-					
Diethylphthalate	UG/L	50	-					
Fluoranthene	UG/L	50	-					
Pyrene	UG/L	50	-					
Metals								
Aluminum	UG/L	-	-			80 J		
Arsenic	UG/L	25	-		5.8 J		120	
Barium	UG/L	1000	-	100	180	180	750	110
Beryllium	UG/L	3	-					
Cadmium	UG/L	5	-					
Calcium	UG/L	-	-	22,300	22,600	24,500	14,000	23,100
Chromium	UG/L	50	-	5.3			2.2 J	3.7 J
Cobalt	UG/L	-	-		1.1 J			
Copper	UG/L	200	-					

Criteria (1)- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Criteria (2)- USEPA Drinking Water Health Advisory (USEPA, May 2016)

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER - DECEMBER 2017
KERRY CHEMICAL SITE

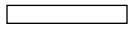
Location ID				MW-03I	MW-03S	MW-04I	MW-04S	MW-05D
Sample ID				MW-03I	MW-03S	MW-04I	MW-04S	MW-05D
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				12/04/17	12/04/17	12/04/17	12/04/17	12/04/17
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**					
Metals								
Iron	UG/L	300	-	25 J	980	110	10,700	
Lead	UG/L	25	-				3.8 J	3 J
Magnesium	UG/L	35000	-	3,700	4,300	5,000	2,000	4,800
Manganese	UG/L	300	-	110	2,300	1,800	5,400	11
Mercury	UG/L	0.7	-					
Nickel	UG/L	100	-			1.5 J		
Potassium	UG/L	-	-	910	1,000	890	1,100	940
Sodium	UG/L	20000	-	9,200	2,900	3,500	10,400	9,400
Vanadium	UG/L	-	-					
Zinc	UG/L	2000	-	2.7 J	2.8 J	2.6 J	4.5 J	
Per- and Polyfluoroalkyl Substances								
Perfluorobutanesulfonic acid (PFBS)	NG/L	-	-			NA	NA	
Perfluorobutanoic acid (PFBA)	NG/L	-	-			NA	NA	
Perfluoroheptanoic acid (PFHpA)	NG/L	-	-			NA	NA	
Perfluorohexanoic acid (PFHxA)	NG/L	-	-			NA	NA	
Perfluorononanoic acid (PFNA)	NG/L	-	-			NA	NA	
Perfluorooctane sulfonamide (FOSA)	NG/L	-	-			NA	NA	
Perfluorooctanesulfonic acid (PFOS)	NG/L	-	70			NA	NA	
Perfluoropentanoic acid (PFPA)	NG/L	-	-			NA	NA	
6:2 Fluorotelomer sulfonate (62FTS)	NG/L	-	-			NA	NA	
Total PFOA and PFOS	NG/L	-	70	ND	ND	NA	NA	ND

Criteria (1)- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Criteria (2)- USEPA Drinking Water Health Advisory (USEPA, May 2016)

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER - DECEMBER 2017
KERRY CHEMICAL SITE

Location ID				MW-05I	MW-05S	MW-07I	MW-07S	MW-09S
Sample ID				MW-05I	MW-05S	MW-07I	MW-07S	MW-09S
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				12/04/17	12/04/17	12/05/17	12/05/17	12/05/17
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**					
Volatile Organic Compounds								
Acetone	UG/L	50	-	2.5 J	3.4 J	2.9 J		2.9 J
Benzene	UG/L	1	-					
Toluene	UG/L	5	-					
Xylene (total)	UG/L	5	-					
Semivolatile Organic Compounds								
Benzo(a)anthracene	UG/L	0.002	-					
Benzo(b)fluoranthene	UG/L	0.002	-					
Caprolactam	UG/L	-	-					
Diethylphthalate	UG/L	50	-					
Fluoranthene	UG/L	50	-					
Pyrene	UG/L	50	-					
Metals								
Aluminum	UG/L	-	-					240
Arsenic	UG/L	25	-					
Barium	UG/L	1000	-	39	140	40	120	54
Beryllium	UG/L	3	-					
Cadmium	UG/L	5	-					
Calcium	UG/L	-	-	25,100	18,000	26,700	27,200	15,400
Chromium	UG/L	50	-			21		
Cobalt	UG/L	-	-					
Copper	UG/L	200	-			2.2 J		

Criteria (1)- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Criteria (2)- USEPA Drinking Water Health Advisory (USEPA, May 2016)

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria (1)

Concentration Exceeds Criteria (2)

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER - DECEMBER 2017
KERRY CHEMICAL SITE

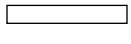
Location ID				MW-05I	MW-05S	MW-07I	MW-07S	MW-09S
Sample ID				MW-05I	MW-05S	MW-07I	MW-07S	MW-09S
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				12/04/17	12/04/17	12/05/17	12/05/17	12/05/17
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**					
Metals								
Iron	UG/L	300	-	21 J	61	98	430	1,700
Lead	UG/L	25	-					
Magnesium	UG/L	35000	-	3,000	3,200	3,400	3,100	1,400
Manganese	UG/L	300	-	42	1,200	190	68	200
Mercury	UG/L	0.7	-					
Nickel	UG/L	100	-			5.5 J		
Potassium	UG/L	-	-	1,200	1,600	1,300	1,600	610
Sodium	UG/L	20000	-	3,800	1,200	7,800	1,700	1,100
Vanadium	UG/L	-	-					
Zinc	UG/L	2000	-	2 J	1.8 J	2.8 J	2.1 J	2 J
Per- and Polyfluoroalkyl Substances								
Perfluorobutanesulfonic acid (PFBS)	NG/L	-	-			NA	NA	NA
Perfluorobutanoic acid (PFBA)	NG/L	-	-			NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	NG/L	-	-		0.27 J	NA	NA	NA
Perfluorohexanoic acid (PFHxA)	NG/L	-	-			NA	NA	NA
Perfluorononanoic acid (PFNA)	NG/L	-	-			NA	NA	NA
Perfluorooctane sulfonamide (FOSA)	NG/L	-	-			NA	NA	NA
Perfluorooctanesulfonic acid (PFOS)	NG/L	-	70			NA	NA	NA
Perfluoropentanoic acid (PFPA)	NG/L	-	-			NA	NA	NA
6:2 Fluorotelomer sulfonate (62FTS)	NG/L	-	-			NA	NA	NA
Total PFOA and PFOS	NG/L	-	70	ND	ND	NA	NA	NA

Criteria (1)- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Criteria (2)- USEPA Drinking Water Health Advisory (USEPA, May 2016)

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER - DECEMBER 2017
KERRY CHEMICAL SITE

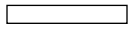
Location ID				MW-10D	MW-10I	MW-10S	MW-B1D	MW-B1S
Sample ID				MW-10D	MW-10I	MW-10S	MW-B1D	MW-B1S
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				12/05/17	12/05/17	12/05/17	12/05/17	12/05/17
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**					
Volatile Organic Compounds								
Acetone	UG/L	50	-	3.9 J	3.3 J	4.3 J		4.7 J
Benzene	UG/L	1	-			0.31 J		
Toluene	UG/L	5	-			0.31 J		
Xylene (total)	UG/L	5	-			0.36 J		
Semivolatile Organic Compounds								
Benzo(a)anthracene	UG/L	0.002	-					1.9 J
Benzo(b)fluoranthene	UG/L	0.002	-					2.2 J
Caprolactam	UG/L	-	-				280 D	1,700 D
Diethylphthalate	UG/L	50	-				0.86 J	
Fluoranthene	UG/L	50	-					4.4 J
Pyrene	UG/L	50	-					4.5 J
Metals								
Aluminum	UG/L	-	-			120 J	2,800	42,500
Arsenic	UG/L	25	-				6.9 J	36
Barium	UG/L	1000	-	39	45	120	66	720
Beryllium	UG/L	3	-					2.3
Cadmium	UG/L	5	-			1.5 J	1.3 J	16
Calcium	UG/L	-	-	23,600	24,400	38,900	16,500	36,800
Chromium	UG/L	50	-		1.7 J		6.7	56
Cobalt	UG/L	-	-				0.81 J	34
Copper	UG/L	200	-			27	4.6 J	140

Criteria (1)- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Criteria (2)- USEPA Drinking Water Health Advisory (USEPA, May 2016)

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER - DECEMBER 2017
KERRY CHEMICAL SITE

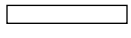
Location ID				MW-10D	MW-10I	MW-10S	MW-B1D	MW-B1S
Sample ID				MW-10D	MW-10I	MW-10S	MW-B1D	MW-B1S
Matrix				Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-	-	-
Date Sampled				12/05/17	12/05/17	12/05/17	12/05/17	12/05/17
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**					
Metals								
Iron	UG/L	300	-	120	25 J	2,200	2,500	71,400
Lead	UG/L	25	-			4.2 J	5.8 J	170
Magnesium	UG/L	35000	-	3,000	3,200	2,400	2,200	8,400
Manganese	UG/L	300	-	56	37	1,600	82	2,200
Mercury	UG/L	0.7	-					0.15 J
Nickel	UG/L	100	-	1.3 J			2.7 J	59
Potassium	UG/L	-	-	870	920	2,100	2,300	8,600
Sodium	UG/L	20000	-	5,200	7,000	3,000	3,600	1,400
Vanadium	UG/L	-	-				5.7	64
Zinc	UG/L	2000	-	2.2 J		14	22	700
Per- and Polyfluoroalkyl Substances								
Perfluorobutanesulfonic acid (PFBS)	NG/L	-	-	NA	0.46 J	NA		
Perfluorobutanoic acid (PFBA)	NG/L	-	-	NA	2.2	NA		
Perfluoroheptanoic acid (PFHpA)	NG/L	-	-	NA	0.29 J	NA		0.29 J
Perfluorohexanoic acid (PFHxA)	NG/L	-	-	NA	0.92 J	NA		
Perfluorononanoic acid (PFNA)	NG/L	-	-	NA		NA		0.35 J
Perfluorooctane sulfonamide (FOSA)	NG/L	-	-	NA	0.94 J	NA		
Perfluorooctanesulfonic acid (PFOS)	NG/L	-	70	NA	0.65 J	NA		1.3 J
Perfluoropentanoic acid (PFPA)	NG/L	-	-	NA	2.0	NA		
6:2 Fluorotelomer sulfonate (62FTS)	NG/L	-	-	NA		NA	2.3 J	
Total PFOA and PFOS	NG/L	-	70	NA	0.65	NA	ND	1.3

Criteria (1)- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Criteria (2)- USEPA Drinking Water Health Advisory (USEPA, May 2016)

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER - DECEMBER 2017
KERRY CHEMICAL SITE

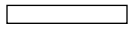
Location ID				MW-B3D	MW-B3S	MW-B3S
Sample ID				MW-B3D	FD-120417	MW-B3S
Matrix				Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-
Date Sampled				12/04/17	12/04/17	12/04/17
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**		Field Duplicate (1-1)	
Volatile Organic Compounds						
Acetone	UG/L	50	-	2.7 J	3.6 J	3.5 J
Benzene	UG/L	1	-			
Toluene	UG/L	5	-			
Xylene (total)	UG/L	5	-			
Semivolatile Organic Compounds						
Benzo(a)anthracene	UG/L	0.002	-			
Benzo(b)fluoranthene	UG/L	0.002	-			
Caprolactam	UG/L	-	-			
Diethylphthalate	UG/L	50	-			
Fluoranthene	UG/L	50	-			
Pyrene	UG/L	50	-			
Metals						
Aluminum	UG/L	-	-		64 J	
Arsenic	UG/L	25	-			
Barium	UG/L	1000	-	39	160	180
Beryllium	UG/L	3	-			
Cadmium	UG/L	5	-			
Calcium	UG/L	-	-	25,000	11,700	11,700
Chromium	UG/L	50	-			
Cobalt	UG/L	-	-			
Copper	UG/L	200	-			

Criteria (1)- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Criteria (2)- USEPA Drinking Water Health Advisory (USEPA, May 2016)

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria (1)



Concentration Exceeds Criteria (2)

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 2
SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER - DECEMBER 2017
KERRY CHEMICAL SITE

Location ID				MW-B3D	MW-B3S	MW-B3S
Sample ID				MW-B3D	FD-120417	MW-B3S
Matrix				Groundwater	Groundwater	Groundwater
Depth Interval (ft)				-	-	-
Date Sampled				12/04/17	12/04/17	12/04/17
Parameter	**Units**	**Criteria (1)**	**Criteria (2)**		Field Duplicate (1-1)	
Metals						
Iron	UG/L	300	-		36 J	35 J
Lead	UG/L	25	-			
Magnesium	UG/L	35000	-	3,000	2,800	2,800
Manganese	UG/L	300	-	180	640 J	850 J
Mercury	UG/L	0.7	-			
Nickel	UG/L	100	-			
Potassium	UG/L	-	-	890	680	690
Sodium	UG/L	20000	-	2,900	1,100	1,100
Vanadium	UG/L	-	-			
Zinc	UG/L	2000	-	3 J	2 J	3.2 J
Per- and Polyfluoroalkyl Substances						
Perfluorobutanesulfonic acid (PFBS)	NG/L	-	-	NA	NA	NA
Perfluorobutanoic acid (PFBA)	NG/L	-	-	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	NG/L	-	-	NA	NA	NA
Perfluorohexanoic acid (PFHxA)	NG/L	-	-	NA	NA	NA
Perfluorononanoic acid (PFNA)	NG/L	-	-	NA	NA	NA
Perfluorooctane sulfonamide (FOSA)	NG/L	-	-	NA	NA	NA
Perfluorooctanesulfonic acid (PFOS)	NG/L	-	70	NA	NA	NA
Perfluoropentanoic acid (PFPA)	NG/L	-	-	NA	NA	NA
6:2 Fluorotelomer sulfonate (62FTS)	NG/L	-	-	NA	NA	NA
Total PFOA and PFOS	NG/L	-	70	NA	NA	NA

Criteria (1)- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Criteria (2)- USEPA Drinking Water Health Advisory (USEPA, May 2016)

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria (1)

Concentration Exceeds Criteria (2)

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-03I	MW-03I	MW-03I	MW-03I	MW-03I
Sample ID			MW-3I-WG	MW-3I	MW-3I	MW-3I	MW-03I
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/16/10	12/14/11	06/19/13	12/08/14	12/07/15
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,2,4-Trichlorobenzene	UG/L	5					
Acetone	UG/L	50					
Benzene	UG/L	1					
Chloromethane	UG/L	5					
Methyl ethyl ketone (2-Butanone)	UG/L	50					
Toluene	UG/L	5					
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
2,4-Dimethylphenol	UG/L	50					
2,6-Dinitrotoluene	UG/L	5					
2-Methylphenol (o-cresol)	UG/L	1					
4-Methylphenol (p-cresol)	UG/L	1					
Benzaldehyde	UG/L	-	NA				
Benzo(a)anthracene	UG/L	0.002					
Benzo(b)fluoranthene	UG/L	0.002					
bis(2-Ethylhexyl)phthalate	UG/L	5					
Caprolactam	UG/L	-	NA				
Diethylphthalate	UG/L	50					
Dimethylphthalate	UG/L	50					
Di-n-butylphthalate	UG/L	50					
Fluoranthene	UG/L	50					
Naphthalene	UG/L	10					
Pyrene	UG/L	50					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-03I	MW-03I	MW-03I	MW-03I	MW-03I
Sample ID			MW-3I-WG	MW-3I	MW-3I	MW-3I	MW-03I
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/16/10	12/14/11	06/19/13	12/08/14	12/07/15
Parameter	**Units**	**Criteria***					
Metals							
Aluminum	UG/L	-		650	200	520	240
Arsenic	UG/L	25					
Barium	UG/L	1000		130	130	130	120
Beryllium	UG/L	3					
Cadmium	UG/L	5					
Calcium	UG/L	-	21,400	23,800	23,600	23,400	22,500
Chromium	UG/L	50		3.3 J	2.2 J	2.1 J	1.1 J
Cobalt	UG/L	-					
Copper	UG/L	200	4.0 J	11	1.6 J	5.7 J	
Iron	UG/L	300	129	750	160	550	230
Lead	UG/L	25					
Magnesium	UG/L	35000	3,440 J	4,200	4,100	4,200	3,900
Manganese	UG/L	300	141	190	130	180	160
Mercury	UG/L	0.7					
Nickel	UG/L	100		3.2 J			
Potassium	UG/L	-		1,200	1,100	1,100	1,100
Selenium	UG/L	10					
Silver	UG/L	50					
Sodium	UG/L	20000	9,080 J	10,300	10,000	9,100	10,200
Thallium	UG/L	0.5					
Vanadium	UG/L	-					
Zinc	UG/L	2000	4.4 J	4.3 J	4.7 J		

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-03I	MW-03S	MW-03S	MW-03S	MW-03S
Sample ID			MW-03I	MW-3S-WG	MW-3S	MW-3S	MW-3S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/04/17	09/16/10	12/14/11	06/19/13	12/08/14
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,2,4-Trichlorobenzene	UG/L	5					
Acetone	UG/L	50	2.4 J				
Benzene	UG/L	1					
Chloromethane	UG/L	5					
Methyl ethyl ketone (2-Butanone)	UG/L	50					
Toluene	UG/L	5					
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
2,4-Dimethylphenol	UG/L	50					
2,6-Dinitrotoluene	UG/L	5					
2-Methylphenol (o-cresol)	UG/L	1					
4-Methylphenol (p-cresol)	UG/L	1					
Benzaldehyde	UG/L	-		NA			
Benzo(a)anthracene	UG/L	0.002					
Benzo(b)fluoranthene	UG/L	0.002					
bis(2-Ethylhexyl)phthalate	UG/L	5					
Caprolactam	UG/L	-		NA			
Diethylphthalate	UG/L	50					
Dimethylphthalate	UG/L	50					
Di-n-butylphthalate	UG/L	50					
Fluoranthene	UG/L	50					
Naphthalene	UG/L	10					
Pyrene	UG/L	50					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-03I	MW-03S	MW-03S	MW-03S	MW-03S
Sample ID			MW-03I	MW-3S-WG	MW-3S	MW-3S	MW-3S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/04/17	09/16/10	12/14/11	06/19/13	12/08/14
Parameter	**Units**	**Criteria***					
Metals							
Aluminum	UG/L	-				63 J	83 J
Arsenic	UG/L	25					5.6 J
Barium	UG/L	1000	100	299	160	130	170
Beryllium	UG/L	3					
Cadmium	UG/L	5					
Calcium	UG/L	-	22,300	20,900	18,600	15,200	28,500
Chromium	UG/L	50	5.3		0.92 J		1.1 J
Cobalt	UG/L	-		0.46 J		0.69 J	
Copper	UG/L	200					
Iron	UG/L	300	25 J	2,390	1,100	650	1,100
Lead	UG/L	25					
Magnesium	UG/L	35000	3,700	4,130 J	3,900	2,900	5,400
Manganese	UG/L	300	110	2,230	1,300	1,000	720
Mercury	UG/L	0.7					
Nickel	UG/L	100		0.77 J	1.8 J	1.3 J	
Potassium	UG/L	-	910		1,100	1,000	1,000
Selenium	UG/L	10					
Silver	UG/L	50					
Sodium	UG/L	20000	9,200		2,400	5,800	2,800
Thallium	UG/L	0.5		12.9			
Vanadium	UG/L	-					
Zinc	UG/L	2000	2.7 J	1.2 J	2.0 J	4.1 J	41

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

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J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

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Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-03S	MW-03S	MW-04I	MW-04I	MW-04I
Sample ID			MW-03S	MW-03S	MW-4I-WG	MW-4I	MW-4I
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/07/15	12/04/17	09/16/10	12/14/11	06/19/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,2,4-Trichlorobenzene	UG/L	5					
Acetone	UG/L	50		3.1 J			
Benzene	UG/L	1					
Chloromethane	UG/L	5					
Methyl ethyl ketone (2-Butanone)	UG/L	50					
Toluene	UG/L	5					
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
2,4-Dimethylphenol	UG/L	50					
2,6-Dinitrotoluene	UG/L	5					
2-Methylphenol (o-cresol)	UG/L	1					
4-Methylphenol (p-cresol)	UG/L	1					
Benzaldehyde	UG/L	-	0.30 J		NA		
Benzo(a)anthracene	UG/L	0.002					
Benzo(b)fluoranthene	UG/L	0.002					
bis(2-Ethylhexyl)phthalate	UG/L	5					
Caprolactam	UG/L	-			NA		
Diethylphthalate	UG/L	50					
Dimethylphthalate	UG/L	50					
Di-n-butylphthalate	UG/L	50					
Fluoranthene	UG/L	50					
Naphthalene	UG/L	10					
Pyrene	UG/L	50					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

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J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-03S	MW-03S	MW-04I	MW-04I	MW-04I
Sample ID			MW-03S	MW-03S	MW-4I-WG	MW-4I	MW-4I
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/07/15	12/04/17	09/16/10	12/14/11	06/19/13
Parameter	**Units**	**Criteria***					
Metals							
Aluminum	UG/L	-	78 J			180 J	270
Arsenic	UG/L	25	8.4 J	5.8 J			
Barium	UG/L	1000	160	180		130	240
Beryllium	UG/L	3					
Cadmium	UG/L	5					2.7
Calcium	UG/L	-	27,000	22,600	22,500	24,500	25,300
Chromium	UG/L	50			5.4 J	3.5 J	2.3 J
Cobalt	UG/L	-		1.1 J			
Copper	UG/L	200			3.4 J		2.2 J
Iron	UG/L	300	750	980		230	310
Lead	UG/L	25					
Magnesium	UG/L	35000	5,200	4,300	4,490 J	5,100	5,300
Manganese	UG/L	300	520	2,300	651	1,200	2,800
Mercury	UG/L	0.7					
Nickel	UG/L	100				4.0 J	5.1 J
Potassium	UG/L	-	1,100	1,000	731 J	980	1,100
Selenium	UG/L	10					
Silver	UG/L	50					
Sodium	UG/L	20000	3,200	2,900	3,100 J	3,600	3,700
Thallium	UG/L	0.5			11.8		
Vanadium	UG/L	-					
Zinc	UG/L	2000		2.8 J	5.9 J	2.5 J	4.4 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-04I	MW-04I	MW-04I	MW-04S	MW-04S
Sample ID			MW-4I	MW-04I	MW-04I	MW-4S-WG	MW-4S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/08/14	12/07/15	12/04/17	09/16/10	12/14/11
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,2,4-Trichlorobenzene	UG/L	5					
Acetone	UG/L	50			2.6 J		
Benzene	UG/L	1					
Chloromethane	UG/L	5					
Methyl ethyl ketone (2-Butanone)	UG/L	50					
Toluene	UG/L	5					
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
2,4-Dimethylphenol	UG/L	50					
2,6-Dinitrotoluene	UG/L	5					
2-Methylphenol (o-cresol)	UG/L	1					
4-Methylphenol (p-cresol)	UG/L	1					
Benzaldehyde	UG/L	-				NA	
Benzo(a)anthracene	UG/L	0.002					
Benzo(b)fluoranthene	UG/L	0.002					
bis(2-Ethylhexyl)phthalate	UG/L	5					
Caprolactam	UG/L	-				NA	
Diethylphthalate	UG/L	50					
Dimethylphthalate	UG/L	50					
Di-n-butylphthalate	UG/L	50					
Fluoranthene	UG/L	50					
Naphthalene	UG/L	10					
Pyrene	UG/L	50					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-04I	MW-04I	MW-04I	MW-04S	MW-04S
Sample ID			MW-4I	MW-04I	MW-04I	MW-4S-WG	MW-4S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/08/14	12/07/15	12/04/17	09/16/10	12/14/11
Parameter	**Units**	**Criteria***					
Metals							
Aluminum	UG/L	-	260	170 J	80 J		
Arsenic	UG/L	25				109	100
Barium	UG/L	1000	270	240	180	762	740
Beryllium	UG/L	3					
Cadmium	UG/L	5					
Calcium	UG/L	-	24,400	24,800	24,500	19,600	20,100
Chromium	UG/L	50	5.0	2.4 J			
Cobalt	UG/L	-	0.68 J				
Copper	UG/L	200	3.2 J	1.8 J			
Iron	UG/L	300	330	220	110	9,780	9,000
Lead	UG/L	25					
Magnesium	UG/L	35000	5,200	5,200	5,000	3,200 J	3,500
Manganese	UG/L	300	3,300	2,800	1,800	3,680	4,200
Mercury	UG/L	0.7					
Nickel	UG/L	100	4.8 J	3.6 J	1.5 J		1.5 J
Potassium	UG/L	-	960	1,100	890	1,020 J	1,300
Selenium	UG/L	10					
Silver	UG/L	50				11.2 J	
Sodium	UG/L	20000	3,400	4,000	3,500	7,140 J	7,800
Thallium	UG/L	0.5				18.9	
Vanadium	UG/L	-					
Zinc	UG/L	2000			2.6 J		2.7 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-04S	MW-04S	MW-04S	MW-04S	MW-05D
Sample ID			MW-4S	MW-4S	MW-04S	MW-04S	MW-5D-WG
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/19/13	12/08/14	12/07/15	12/04/17	09/16/10
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,2,4-Trichlorobenzene	UG/L	5					
Acetone	UG/L	50				2.7 J	
Benzene	UG/L	1					
Chloromethane	UG/L	5					
Methyl ethyl ketone (2-Butanone)	UG/L	50					
Toluene	UG/L	5					
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
2,4-Dimethylphenol	UG/L	50					
2,6-Dinitrotoluene	UG/L	5					
2-Methylphenol (o-cresol)	UG/L	1					
4-Methylphenol (p-cresol)	UG/L	1					
Benzaldehyde	UG/L	-			0.29 J		NA
Benzo(a)anthracene	UG/L	0.002					
Benzo(b)fluoranthene	UG/L	0.002					
bis(2-Ethylhexyl)phthalate	UG/L	5					
Caprolactam	UG/L	-					NA
Diethylphthalate	UG/L	50					
Dimethylphthalate	UG/L	50					
Di-n-butylphthalate	UG/L	50					
Fluoranthene	UG/L	50					
Naphthalene	UG/L	10					
Pyrene	UG/L	50					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-04S	MW-04S	MW-04S	MW-04S	MW-05D
Sample ID			MW-4S	MW-4S	MW-04S	MW-04S	MW-5D-WG
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/19/13	12/08/14	12/07/15	12/04/17	09/16/10
Parameter	**Units**	**Criteria***					
Metals							
Aluminum	UG/L	-	370	270	380		296 J
Arsenic	UG/L	25	170	190	190	120	
Barium	UG/L	1000	730	830	950	750	
Beryllium	UG/L	3					
Cadmium	UG/L	5		0.57 J			
Calcium	UG/L	-	13,000	14,000	13,700	14,000	21,800
Chromium	UG/L	50	1.5 J	2.9 J		2.2 J	
Cobalt	UG/L	-					
Copper	UG/L	200					
Iron	UG/L	300	14,200	15,500	16,600	10,700	416
Lead	UG/L	25				3.8 J	
Magnesium	UG/L	35000	2,200	2,300	2,200	2,000	4,500 J
Manganese	UG/L	300	3,900	4,700	5,200	5,400	183
Mercury	UG/L	0.7					
Nickel	UG/L	100		1.6 J			2.1 J
Potassium	UG/L	-	1,300	1,200	1,400	1,100	968 J
Selenium	UG/L	10					
Silver	UG/L	50					12.7 J
Sodium	UG/L	20000	7,200	8,600	11,400	10,400	8,650 J
Thallium	UG/L	0.5					8.4 J
Vanadium	UG/L	-					
Zinc	UG/L	2000	2.8 J		2.2 J	4.5 J	21.0

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-05D	MW-05D	MW-05D	MW-05D	MW-05D
Sample ID			MW-5D	MW-5D	MW-5D	MW-05D	MW-05D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/15/11	06/19/13	12/08/14	12/07/15	12/04/17
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,2,4-Trichlorobenzene	UG/L	5					
Acetone	UG/L	50					
Benzene	UG/L	1					
Chloromethane	UG/L	5					
Methyl ethyl ketone (2-Butanone)	UG/L	50					
Toluene	UG/L	5					
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
2,4-Dimethylphenol	UG/L	50					
2,6-Dinitrotoluene	UG/L	5					
2-Methylphenol (o-cresol)	UG/L	1					
4-Methylphenol (p-cresol)	UG/L	1					
Benzaldehyde	UG/L	-				0.27 J	
Benzo(a)anthracene	UG/L	0.002					
Benzo(b)fluoranthene	UG/L	0.002					
bis(2-Ethylhexyl)phthalate	UG/L	5					
Caprolactam	UG/L	-					
Diethylphthalate	UG/L	50					
Dimethylphthalate	UG/L	50					
Di-n-butylphthalate	UG/L	50					
Fluoranthene	UG/L	50					
Naphthalene	UG/L	10					
Pyrene	UG/L	50					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-05D	MW-05D	MW-05D	MW-05D	MW-05D
Sample ID			MW-5D	MW-5D	MW-5D	MW-05D	MW-05D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/15/11	06/19/13	12/08/14	12/07/15	12/04/17
Parameter	**Units**	**Criteria***					
Metals							
Aluminum	UG/L	-	3,200	1,100	290	180 J	
Arsenic	UG/L	25					
Barium	UG/L	1000	170	130	110	110	110
Beryllium	UG/L	3					
Cadmium	UG/L	5					
Calcium	UG/L	-	22,900	23,800	22,000	22,600	23,100
Chromium	UG/L	50	8.3	2.7 J	1.6 J	1.5 J	3.7 J
Cobalt	UG/L	-	2.3 J				
Copper	UG/L	200					
Iron	UG/L	300	3,800	1,100	310	180	
Lead	UG/L	25					3 J
Magnesium	UG/L	35000	5,300	5,200	4,700	4,800	4,800
Manganese	UG/L	300	670	180	170	100	11
Mercury	UG/L	0.7					
Nickel	UG/L	100	14	2.9 J	2.1 J		
Potassium	UG/L	-	2,200	1,500	1,000	1,100	940
Selenium	UG/L	10					
Silver	UG/L	50					
Sodium	UG/L	20000	9,400	9,600	8,400	9,900	9,400
Thallium	UG/L	0.5					
Vanadium	UG/L	-	4.2 J	1.6 J			
Zinc	UG/L	2000	11	3.4 J		3.4 J	

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-05I	MW-05I	MW-05I	MW-05I	MW-05I
Sample ID			MW-5I-WG	MW-5I	MW-5I	MW-5I	MW-05I
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/16/10	12/15/11	06/19/13	12/08/14	12/07/15
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,2,4-Trichlorobenzene	UG/L	5					
Acetone	UG/L	50					
Benzene	UG/L	1					
Chloromethane	UG/L	5					
Methyl ethyl ketone (2-Butanone)	UG/L	50					
Toluene	UG/L	5					
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
2,4-Dimethylphenol	UG/L	50					
2,6-Dinitrotoluene	UG/L	5					
2-Methylphenol (o-cresol)	UG/L	1					
4-Methylphenol (p-cresol)	UG/L	1					
Benzaldehyde	UG/L	-	NA				0.31 J
Benzo(a)anthracene	UG/L	0.002					
Benzo(b)fluoranthene	UG/L	0.002					
bis(2-Ethylhexyl)phthalate	UG/L	5	2 J				
Caprolactam	UG/L	-	NA				
Diethylphthalate	UG/L	50					
Dimethylphthalate	UG/L	50					
Di-n-butylphthalate	UG/L	50					
Fluoranthene	UG/L	50					
Naphthalene	UG/L	10					
Pyrene	UG/L	50					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

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TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-05I	MW-05I	MW-05I	MW-05I	MW-05I
Sample ID			MW-5I-WG	MW-5I	MW-5I	MW-5I	MW-05I
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/16/10	12/15/11	06/19/13	12/08/14	12/07/15
Parameter	**Units**	**Criteria***					
Metals							
Aluminum	UG/L	-		77 J	94 J	420	360
Arsenic	UG/L	25					
Barium	UG/L	1000		41	45	47	51
Beryllium	UG/L	3					
Cadmium	UG/L	5					
Calcium	UG/L	-	23,700	25,700	26,500	26,000	25,500
Chromium	UG/L	50		11	1.0 J	5.2	2.8 J
Cobalt	UG/L	-					
Copper	UG/L	200	3.1 J				
Iron	UG/L	300		47 J	81	390	280
Lead	UG/L	25					
Magnesium	UG/L	35000	2,810 J	3,200	3,300	3,300	3,200
Manganese	UG/L	300	80.8	67	93	110	110
Mercury	UG/L	0.7					
Nickel	UG/L	100		2.1 J			
Potassium	UG/L	-	1,010 J	1,300	1,400	1,400	1,500
Selenium	UG/L	10					
Silver	UG/L	50					
Sodium	UG/L	20000	3,680 J	4,300	4,300	3,900	4,400
Thallium	UG/L	0.5	6.7 J				
Vanadium	UG/L	-					
Zinc	UG/L	2000	1.3 J		2.3 J		

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

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Concentration Exceeds Criteria

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-05I	MW-05S	MW-05S	MW-05S	MW-05S
Sample ID			MW-05I	MW-5S-WG	MW-5S	MW-5S	FD-090814
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/04/17	09/16/10	12/15/11	06/19/13	12/08/14
Parameter	**Units**	**Criteria***					Field Duplicate (1-1)
Volatile Organic Compounds							
1,2,4-Trichlorobenzene	UG/L	5					
Acetone	UG/L	50	2.5 J				
Benzene	UG/L	1					
Chloromethane	UG/L	5					
Methyl ethyl ketone (2-Butanone)	UG/L	50					
Toluene	UG/L	5					
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
2,4-Dimethylphenol	UG/L	50					
2,6-Dinitrotoluene	UG/L	5					7.6
2-Methylphenol (o-cresol)	UG/L	1					
4-Methylphenol (p-cresol)	UG/L	1					
Benzaldehyde	UG/L	-		NA			
Benzo(a)anthracene	UG/L	0.002					
Benzo(b)fluoranthene	UG/L	0.002					
bis(2-Ethylhexyl)phthalate	UG/L	5					
Caprolactam	UG/L	-		NA			
Diethylphthalate	UG/L	50					
Dimethylphthalate	UG/L	50					
Di-n-butylphthalate	UG/L	50					
Fluoranthene	UG/L	50					
Naphthalene	UG/L	10					
Pyrene	UG/L	50					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

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ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-05I	MW-05S	MW-05S	MW-05S	MW-05S
Sample ID			MW-05I	MW-5S-WG	MW-5S	MW-5S	FD-090814
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/04/17	09/16/10	12/15/11	06/19/13	12/08/14
Parameter	**Units**	**Criteria***					Field Duplicate (1-1)
Metals							
Aluminum	UG/L	-			67 J		
Arsenic	UG/L	25					
Barium	UG/L	1000	39	248	160	110	110
Beryllium	UG/L	3					
Cadmium	UG/L	5					
Calcium	UG/L	-	25,100	30,300	21,800	21,200	22,200
Chromium	UG/L	50				1.5 J	
Cobalt	UG/L	-		0.51 J			
Copper	UG/L	200					
Iron	UG/L	300	21 J	419	450	200	67
Lead	UG/L	25					
Magnesium	UG/L	35000	3,000	5,210	4,100	3,600	3,800
Manganese	UG/L	300	42	3,460	870	220	240
Mercury	UG/L	0.7					
Nickel	UG/L	100		1.4 J	2.0 J		
Potassium	UG/L	-	1,200	1,830 J	2,000	1,900	1,700
Selenium	UG/L	10		4.0 J			
Silver	UG/L	50		13.6 J			
Sodium	UG/L	20000	3,800	2,020 J	1,400	1,300	1,400
Thallium	UG/L	0.5		40.2			
Vanadium	UG/L	-					
Zinc	UG/L	2000	2 J	2.0 J	2.6 J	3.2 J	

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

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ND or Blank cell - Not detected. NA - Not analyzed.

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TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-05S	MW-05S	MW-05S	MW-07I	MW-07I
Sample ID			MW-5S	MW-05S	MW-05S	MW-7I-WG	MW-7I
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/08/14	12/07/15	12/04/17	09/15/10	12/15/11
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,2,4-Trichlorobenzene	UG/L	5					
Acetone	UG/L	50			3.4 J		
Benzene	UG/L	1					
Chloromethane	UG/L	5					
Methyl ethyl ketone (2-Butanone)	UG/L	50					
Toluene	UG/L	5					
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
2,4-Dimethylphenol	UG/L	50					
2,6-Dinitrotoluene	UG/L	5					
2-Methylphenol (o-cresol)	UG/L	1					
4-Methylphenol (p-cresol)	UG/L	1					
Benzaldehyde	UG/L	-		0.25 J		NA	
Benzo(a)anthracene	UG/L	0.002					
Benzo(b)fluoranthene	UG/L	0.002					
bis(2-Ethylhexyl)phthalate	UG/L	5				2 J	
Caprolactam	UG/L	-				NA	
Diethylphthalate	UG/L	50					
Dimethylphthalate	UG/L	50					
Di-n-butylphthalate	UG/L	50					
Fluoranthene	UG/L	50					
Naphthalene	UG/L	10					
Pyrene	UG/L	50					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

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J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

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TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-05S	MW-05S	MW-05S	MW-07I	MW-07I
Sample ID			MW-5S	MW-05S	MW-05S	MW-7I-WG	MW-7I
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/08/14	12/07/15	12/04/17	09/15/10	12/15/11
Parameter	**Units**	**Criteria***					
Metals							
Aluminum	UG/L	-					440
Arsenic	UG/L	25					
Barium	UG/L	1000	110	82	140		64
Beryllium	UG/L	3					
Cadmium	UG/L	5		0.55 J			
Calcium	UG/L	-	22,300	14,300	18,000	24,300	24,400
Chromium	UG/L	50					21
Cobalt	UG/L	-					0.76 J
Copper	UG/L	200		1.7 J		13.5 J	13
Iron	UG/L	300	67	140	61	391	740
Lead	UG/L	25					
Magnesium	UG/L	35000	3,800	2,500	3,200	3,140 J	3,500
Manganese	UG/L	300	240	180	1,200	861	670
Mercury	UG/L	0.7					
Nickel	UG/L	100				13.0 J	16
Potassium	UG/L	-	1,700	1,600	1,600	1,390 J	1,500
Selenium	UG/L	10				4.0 J	
Silver	UG/L	50				14.0 J	
Sodium	UG/L	20000	1,300	1,500	1,200	7,670 J	7,900
Thallium	UG/L	0.5				14.1	
Vanadium	UG/L	-					
Zinc	UG/L	2000		2.6 J	1.8 J	58.2	5.0 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

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TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-07I	MW-07I	MW-07I	MW-07I	MW-07S
Sample ID			MW-7I	MW-7I	MW-07I	MW-07I	MW-7S-WG
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/18/13	12/09/14	12/08/15	12/05/17	09/15/10
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,2,4-Trichlorobenzene	UG/L	5					
Acetone	UG/L	50				2.9 J	
Benzene	UG/L	1					
Chloromethane	UG/L	5					
Methyl ethyl ketone (2-Butanone)	UG/L	50					
Toluene	UG/L	5					
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
2,4-Dimethylphenol	UG/L	50					
2,6-Dinitrotoluene	UG/L	5					
2-Methylphenol (o-cresol)	UG/L	1					
4-Methylphenol (p-cresol)	UG/L	1					
Benzaldehyde	UG/L	-					NA
Benzo(a)anthracene	UG/L	0.002					
Benzo(b)fluoranthene	UG/L	0.002					
bis(2-Ethylhexyl)phthalate	UG/L	5					
Caprolactam	UG/L	-					NA
Diethylphthalate	UG/L	50					
Dimethylphthalate	UG/L	50					
Di-n-butylphthalate	UG/L	50					
Fluoranthene	UG/L	50					
Naphthalene	UG/L	10					
Pyrene	UG/L	50					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

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TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-07I	MW-07I	MW-07I	MW-07I	MW-07S
Sample ID			MW-7I	MW-7I	MW-07I	MW-07I	MW-7S-WG
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/18/13	12/09/14	12/08/15	12/05/17	09/15/10
Parameter	**Units**	**Criteria***					
Metals							
Aluminum	UG/L	-	220	900	230		
Arsenic	UG/L	25					10.9
Barium	UG/L	1000	60	67	59	40	287
Beryllium	UG/L	3					
Cadmium	UG/L	5	0.71 J				
Calcium	UG/L	-	26,100	25,600	25,200	26,700	26,200
Chromium	UG/L	50	10	14	14	21	
Cobalt	UG/L	-		0.77 J			0.64 J
Copper	UG/L	200	5.2 J	6.7 J	2.9 J	2.2 J	
Iron	UG/L	300	370	1,200	340	98	8,470
Lead	UG/L	25					
Magnesium	UG/L	35000	3,700	3,600	3,500	3,400	3,710 J
Manganese	UG/L	300	420	590	480	190	5,340
Mercury	UG/L	0.7					
Nickel	UG/L	100	8.5 J	11	7 J	5.5 J	
Potassium	UG/L	-	1,600	1,600	1,500	1,300	1,960 J
Selenium	UG/L	10					
Silver	UG/L	50					
Sodium	UG/L	20000	8,500	7,900	8,800	7,800	1,740 J
Thallium	UG/L	0.5					32.3
Vanadium	UG/L	-					
Zinc	UG/L	2000	5.8 J		2.7 J	2.8 J	175

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

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J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

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Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-07S	MW-07S	MW-07S	MW-07S	MW-07S
Sample ID			MW-7S	MW-7S	MW-7S	MW-07S	MW-07S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/15/11	06/19/13	12/09/14	12/08/15	12/05/17
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,2,4-Trichlorobenzene	UG/L	5					
Acetone	UG/L	50					
Benzene	UG/L	1					
Chloromethane	UG/L	5					
Methyl ethyl ketone (2-Butanone)	UG/L	50					
Toluene	UG/L	5					
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
2,4-Dimethylphenol	UG/L	50					
2,6-Dinitrotoluene	UG/L	5					
2-Methylphenol (o-cresol)	UG/L	1					
4-Methylphenol (p-cresol)	UG/L	1					
Benzaldehyde	UG/L	-					
Benzo(a)anthracene	UG/L	0.002					
Benzo(b)fluoranthene	UG/L	0.002					
bis(2-Ethylhexyl)phthalate	UG/L	5					
Caprolactam	UG/L	-					
Diethylphthalate	UG/L	50					
Dimethylphthalate	UG/L	50					
Di-n-butylphthalate	UG/L	50					
Fluoranthene	UG/L	50					
Naphthalene	UG/L	10					
Pyrene	UG/L	50					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

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Only Detected Results Reported.

Advanced Selection: Kerry Tab 3 2017
J:\Projects\Small_Chemistry_Jobs\DB\Program\EDMS.mde
Printed: 3/5/2018 2:01:39 PM
[SITEID] = '11176206' AND [MATRIX] = 'WG' AND [LOGDATE] >= #9/1/2010# AND ([SACODE] = 'N' OR [SACODE] = 'FD') AND [PRCCODE] <> 'PFC'

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-07S	MW-07S	MW-07S	MW-07S	MW-07S
Sample ID			MW-7S	MW-7S	MW-7S	MW-7S	MW-07S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/15/11	06/19/13	12/09/14	12/08/15	12/05/17
Parameter	**Units**	**Criteria***					
Metals							
Aluminum	UG/L	-		70 J	99 J	65 J	
Arsenic	UG/L	25	6.3 J				
Barium	UG/L	1000	120	120	120	120	120
Beryllium	UG/L	3					
Cadmium	UG/L	5					
Calcium	UG/L	-	26,100	27,400	29,000	25,400	27,200
Chromium	UG/L	50	1.2 J				
Cobalt	UG/L	-					
Copper	UG/L	200					
Iron	UG/L	300	280	220	360	360	430
Lead	UG/L	25					
Magnesium	UG/L	35000	4,300	3,600	3,600	3,100	3,100
Manganese	UG/L	300	110	150	28	28	68
Mercury	UG/L	0.7					
Nickel	UG/L	100					
Potassium	UG/L	-	2,600	2,100	1,800	1,800	1,600
Selenium	UG/L	10					
Silver	UG/L	50					
Sodium	UG/L	20000	1,900	1,300	1,200	1,300	1,700
Thallium	UG/L	0.5					
Vanadium	UG/L	-					
Zinc	UG/L	2000		1.6 J			2.1 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-09S	MW-09S	MW-09S	MW-09S	MW-09S
Sample ID			MW-9S-WG	MW-9S	MW-9S	MW-9S	MW-09S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/15/10	12/16/11	06/19/13	12/09/14	12/08/15
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,2,4-Trichlorobenzene	UG/L	5					
Acetone	UG/L	50					
Benzene	UG/L	1					
Chloromethane	UG/L	5					
Methyl ethyl ketone (2-Butanone)	UG/L	50					
Toluene	UG/L	5					
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
2,4-Dimethylphenol	UG/L	50					
2,6-Dinitrotoluene	UG/L	5					
2-Methylphenol (o-cresol)	UG/L	1					
4-Methylphenol (p-cresol)	UG/L	1					
Benzaldehyde	UG/L	-	NA				
Benzo(a)anthracene	UG/L	0.002					
Benzo(b)fluoranthene	UG/L	0.002					
bis(2-Ethylhexyl)phthalate	UG/L	5					
Caprolactam	UG/L	-	NA				
Diethylphthalate	UG/L	50					
Dimethylphthalate	UG/L	50					
Di-n-butylphthalate	UG/L	50					
Fluoranthene	UG/L	50					
Naphthalene	UG/L	10					
Pyrene	UG/L	50					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

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TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-09S	MW-09S	MW-09S	MW-09S	MW-09S
Sample ID			MW-9S-WG	MW-9S	MW-9S	MW-9S	MW-09S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/15/10	12/16/11	06/19/13	12/09/14	12/08/15
Parameter	**Units**	**Criteria***					
Metals							
Aluminum	UG/L	-	448 J	6,800	1,800	720	490
Arsenic	UG/L	25		10	6.4 J		
Barium	UG/L	1000	101 J	110	72	65	63
Beryllium	UG/L	3					
Cadmium	UG/L	5	0.42 J				
Calcium	UG/L	-	21,600	11,900	14,900	17,300	15,500
Chromium	UG/L	50		8.2	1.9 J	1.5 J	
Cobalt	UG/L	-	0.44 J	4.4	1.1 J		
Copper	UG/L	200		15	2.3 J	1.6 J	
Iron	UG/L	300	4,570	10,000	3,500	2,500	2,200
Lead	UG/L	25		14			
Magnesium	UG/L	35000	1,430 J	2,300	1,600	1,600	1,400
Manganese	UG/L	300	942	410	240	240	230
Mercury	UG/L	0.7					
Nickel	UG/L	100	3.4 J	10	2.3 J		
Potassium	UG/L	-	829 J	2,800	1,200	750	800
Selenium	UG/L	10					
Silver	UG/L	50					
Sodium	UG/L	20000	2,170 J	960 J	1,200	1,100	1,200
Thallium	UG/L	0.5	9.6 J				
Vanadium	UG/L	-		7.3	2.1 J		
Zinc	UG/L	2000	36.7	30	9.5 J		1.9 J

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TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-09S	MW-10D	MW-10D	MW-10D	MW-10D
Sample ID			MW-09S	DUP-091510	MW-10D-WG	MW-10D	MW-10D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/05/17	09/15/10	09/15/10	12/14/11	06/18/13
Parameter	**Units**	**Criteria***		Field Duplicate (1-1)			
Volatile Organic Compounds							
1,2,4-Trichlorobenzene	UG/L	5				1.3	
Acetone	UG/L	50	2.9 J				
Benzene	UG/L	1					
Chloromethane	UG/L	5					
Methyl ethyl ketone (2-Butanone)	UG/L	50					
Toluene	UG/L	5					
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
2,4-Dimethylphenol	UG/L	50					
2,6-Dinitrotoluene	UG/L	5					
2-Methylphenol (o-cresol)	UG/L	1					
4-Methylphenol (p-cresol)	UG/L	1					
Benzaldehyde	UG/L	-		NA	NA		
Benzo(a)anthracene	UG/L	0.002					
Benzo(b)fluoranthene	UG/L	0.002					
bis(2-Ethylhexyl)phthalate	UG/L	5					
Caprolactam	UG/L	-		NA	NA		
Diethylphthalate	UG/L	50					
Dimethylphthalate	UG/L	50					
Di-n-butylphthalate	UG/L	50					
Fluoranthene	UG/L	50					
Naphthalene	UG/L	10					
Pyrene	UG/L	50					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

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TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-09S	MW-10D	MW-10D	MW-10D	MW-10D
Sample ID			MW-09S	DUP-091510	MW-10D-WG	MW-10D	MW-10D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/05/17	09/15/10	09/15/10	12/14/11	06/18/13
Parameter	**Units**	**Criteria***		Field Duplicate (1-1)			
Metals							
Aluminum	UG/L	-	240	224 J	233 J	900	310
Arsenic	UG/L	25					
Barium	UG/L	1000	54			50	51
Beryllium	UG/L	3					
Cadmium	UG/L	5					
Calcium	UG/L	-	15,400	22,200	21,700	21,800	23,500
Chromium	UG/L	50				4.6	6.3
Cobalt	UG/L	-				1.1 J	
Copper	UG/L	200					2.6 J
Iron	UG/L	300	1,700	386	382	1,000	400
Lead	UG/L	25					
Magnesium	UG/L	35000	1,400	2,850 J	2,800 J	3,100	3,200
Manganese	UG/L	300	200	94.6	93.0	150	200
Mercury	UG/L	0.7					
Nickel	UG/L	100			0.68 J	3.1 J	4.7 J
Potassium	UG/L	-	610	819 J	802 J	1,200	1,000
Selenium	UG/L	10					
Silver	UG/L	50					
Sodium	UG/L	20000	1,100	4,920 J	4,810 J	5,200	5,400
Thallium	UG/L	0.5		9.4 J	9.2 J		
Vanadium	UG/L	-					
Zinc	UG/L	2000	2 J	8.9 J	6.8 J	4.2 J	1.9 J

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TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-10D	MW-10D	MW-10D	MW-10I	MW-10I
Sample ID			MW-10D	MW-10D	MW-10D	MW-10I-WG	MW-10I
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/09/14	12/08/15	12/05/17	09/15/10	12/14/11
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,2,4-Trichlorobenzene	UG/L	5					
Acetone	UG/L	50			3.9 J		
Benzene	UG/L	1					
Chloromethane	UG/L	5					
Methyl ethyl ketone (2-Butanone)	UG/L	50					
Toluene	UG/L	5					
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
2,4-Dimethylphenol	UG/L	50					
2,6-Dinitrotoluene	UG/L	5					
2-Methylphenol (o-cresol)	UG/L	1					
4-Methylphenol (p-cresol)	UG/L	1					
Benzaldehyde	UG/L	-				NA	
Benzo(a)anthracene	UG/L	0.002					
Benzo(b)fluoranthene	UG/L	0.002					
bis(2-Ethylhexyl)phthalate	UG/L	5					
Caprolactam	UG/L	-				NA	
Diethylphthalate	UG/L	50					
Dimethylphthalate	UG/L	50					
Di-n-butylphthalate	UG/L	50					
Fluoranthene	UG/L	50					
Naphthalene	UG/L	10					
Pyrene	UG/L	50					

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TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-10D	MW-10D	MW-10D	MW-10I	MW-10I
Sample ID			MW-10D	MW-10D	MW-10D	MW-10I-WG	MW-10I
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/09/14	12/08/15	12/05/17	09/15/10	12/14/11
Parameter	**Units**	**Criteria***					
Metals							
Aluminum	UG/L	-	1,100				2,300
Arsenic	UG/L	25					
Barium	UG/L	1000	53	42	39		87
Beryllium	UG/L	3					
Cadmium	UG/L	5					
Calcium	UG/L	-	23,100	22,900	23,600	23,200	24,300
Chromium	UG/L	50	5.4	2 J			5.7
Cobalt	UG/L	-	0.70 J				0.96 J
Copper	UG/L	200	3.9 J				
Iron	UG/L	300	1,400	47 J	120	186	2,200
Lead	UG/L	25	3.9 J				
Magnesium	UG/L	35000	3,300	3,100	3,000	3,080 J	4,000
Manganese	UG/L	300	110	38	56	473	710
Mercury	UG/L	0.7					
Nickel	UG/L	100	3.2 J	1.3 J	1.3 J	0.79 J	4.1 J
Potassium	UG/L	-	1,200	970	870	848 J	1,600
Selenium	UG/L	10					
Silver	UG/L	50					
Sodium	UG/L	20000	5,100	5,900	5,200	8,130 J	8,100
Thallium	UG/L	0.5				6.1 J	
Vanadium	UG/L	-					2.4 J
Zinc	UG/L	2000	11	4.1 J	2.2 J	29.5	6.9 J

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TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-10I	MW-10I	MW-10I	MW-10I	MW-10S
Sample ID			MW-10I	MW-10I	MW-10I	MW-10I	MW-10S-WG
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/18/13	12/09/14	12/08/15	12/05/17	09/15/10
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,2,4-Trichlorobenzene	UG/L	5					
Acetone	UG/L	50				3.3 J	
Benzene	UG/L	1					
Chloromethane	UG/L	5					
Methyl ethyl ketone (2-Butanone)	UG/L	50					
Toluene	UG/L	5					
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
2,4-Dimethylphenol	UG/L	50					3 J
2,6-Dinitrotoluene	UG/L	5					
2-Methylphenol (o-cresol)	UG/L	1					2 J
4-Methylphenol (p-cresol)	UG/L	1					
Benzaldehyde	UG/L	-			0.30 J		NA
Benzo(a)anthracene	UG/L	0.002					
Benzo(b)fluoranthene	UG/L	0.002					
bis(2-Ethylhexyl)phthalate	UG/L	5					
Caprolactam	UG/L	-					NA
Diethylphthalate	UG/L	50					
Dimethylphthalate	UG/L	50					5 J
Di-n-butylphthalate	UG/L	50					
Fluoranthene	UG/L	50					
Naphthalene	UG/L	10					1 J
Pyrene	UG/L	50					

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TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-10I	MW-10I	MW-10I	MW-10I	MW-10S
Sample ID			MW-10I	MW-10I	MW-10I	MW-10I	MW-10S-WG
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/18/13	12/09/14	12/08/15	12/05/17	09/15/10
Parameter	**Units**	**Criteria***					
Metals							
Aluminum	UG/L	-	1,200	1,300	660		
Arsenic	UG/L	25					
Barium	UG/L	1000	89	76	67	45	259
Beryllium	UG/L	3					
Cadmium	UG/L	5					
Calcium	UG/L	-	26,600	25,600	24,200	24,400	34,500
Chromium	UG/L	50	3.2 J	3.5 J	1.4 J	1.7 J	
Cobalt	UG/L	-		0.65 J			
Copper	UG/L	200	3.4 J	2.5 J			40.7
Iron	UG/L	300	1,100	1,300	610	25 J	8,600
Lead	UG/L	25					
Magnesium	UG/L	35000	3,800	3,800	3,400	3,200	1,900 J
Manganese	UG/L	300	620	610	420	37	2,440
Mercury	UG/L	0.7					
Nickel	UG/L	100	2.4 J	2.0 J	1.6 J		
Potassium	UG/L	-	1,400	1,300	1,200	920	1,970 J
Selenium	UG/L	10					
Silver	UG/L	50					
Sodium	UG/L	20000	8,500	7,400	8,100	7,000	3,590 J
Thallium	UG/L	0.5					30.2
Vanadium	UG/L	-					
Zinc	UG/L	2000	9.7 J		2.3 J		17.2 J

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TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-10S	MW-10S	MW-10S	MW-10S	MW-10S
Sample ID			FD-1	MW-10S	FD-06182013	MW-10S	MW-10S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/14/11	12/14/11	06/18/13	06/18/13	12/09/14
Parameter	**Units**	**Criteria***	Field Duplicate (1-1)		Field Duplicate (1-1)		
Volatile Organic Compounds							
1,2,4-Trichlorobenzene	UG/L	5					
Acetone	UG/L	50	3.7 J			3.2 J	
Benzene	UG/L	1					
Chloromethane	UG/L	5	0.59 J				
Methyl ethyl ketone (2-Butanone)	UG/L	50			1.4 J	1.4 J	
Toluene	UG/L	5					
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
2,4-Dimethylphenol	UG/L	50			3.5 J	1.0 J	
2,6-Dinitrotoluene	UG/L	5					
2-Methylphenol (o-cresol)	UG/L	1					0.44 J
4-Methylphenol (p-cresol)	UG/L	1					0.63 J
Benzaldehyde	UG/L	-				0.26 J	
Benzo(a)anthracene	UG/L	0.002					
Benzo(b)fluoranthene	UG/L	0.002					
bis(2-Ethylhexyl)phthalate	UG/L	5					
Caprolactam	UG/L	-					
Diethylphthalate	UG/L	50					
Dimethylphthalate	UG/L	50	2.1 J	2.5 J			
Di-n-butylphthalate	UG/L	50					
Fluoranthene	UG/L	50					
Naphthalene	UG/L	10					
Pyrene	UG/L	50					

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TABLE 3
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KERRY CHEMICAL SITE

Location ID			MW-10S	MW-10S	MW-10S	MW-10S	MW-10S
Sample ID			FD-1	MW-10S	FD-06182013	MW-10S	MW-10S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/14/11	12/14/11	06/18/13	06/18/13	12/09/14
Parameter	**Units**	**Criteria***	Field Duplicate (1-1)		Field Duplicate (1-1)		
Metals							
Aluminum	UG/L	-	170 J	480	170 J	180 J	270
Arsenic	UG/L	25					
Barium	UG/L	1000	130	140	120	120	80
Beryllium	UG/L	3					
Cadmium	UG/L	5					
Calcium	UG/L	-	27,600	25,700	29,200	29,500	17,400
Chromium	UG/L	50		1.4 J			
Cobalt	UG/L	-		0.81 J			
Copper	UG/L	200	34 J	67 J	35	39	41
Iron	UG/L	300	3,700 J	7,700 J	3,000	3,300	2,300
Lead	UG/L	25		8.8			4.3 J
Magnesium	UG/L	35000	2,000	2,000	2,100	2,100	1,500
Manganese	UG/L	300	1,200	1,300	780	770	460
Mercury	UG/L	0.7					
Nickel	UG/L	100		2.2 J			
Potassium	UG/L	-	1,900	1,900	1,900	2,000	1,300
Selenium	UG/L	10					
Silver	UG/L	50					
Sodium	UG/L	20000	1,800	1,800	1,900	2,000	1,500
Thallium	UG/L	0.5					
Vanadium	UG/L	-	1.2 J	2.2 J			
Zinc	UG/L	2000	8.0 J	9.0 J	6.7 J	6.9 J	17

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TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-10S	MW-10S	MW-10S	MW-B1D	MW-B1D
Sample ID			FD-120815	MW-10S	MW-10S	MW-B1D-WG	MW-B1D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/08/15	12/08/15	12/05/17	09/16/10	12/15/11
Parameter	**Units**	**Criteria***	Field Duplicate (1-1)				
Volatile Organic Compounds							
1,2,4-Trichlorobenzene	UG/L	5					
Acetone	UG/L	50			4.3 J		
Benzene	UG/L	1			0.31 J		
Chloromethane	UG/L	5					
Methyl ethyl ketone (2-Butanone)	UG/L	50					
Toluene	UG/L	5			0.31 J		
Xylene (total)	UG/L	5			0.36 J		
Semivolatile Organic Compounds							
2,4-Dimethylphenol	UG/L	50	3.3 J	2.7 J			
2,6-Dinitrotoluene	UG/L	5					
2-Methylphenol (o-cresol)	UG/L	1					
4-Methylphenol (p-cresol)	UG/L	1					
Benzaldehyde	UG/L	-	0.51 J			NA	
Benzo(a)anthracene	UG/L	0.002					
Benzo(b)fluoranthene	UG/L	0.002					
bis(2-Ethylhexyl)phthalate	UG/L	5				1 J	
Caprolactam	UG/L	-				NA	
Diethylphthalate	UG/L	50					
Dimethylphthalate	UG/L	50					
Di-n-butylphthalate	UG/L	50		0.35 J			
Fluoranthene	UG/L	50					
Naphthalene	UG/L	10					
Pyrene	UG/L	50					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

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TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-10S	MW-10S	MW-10S	MW-B1D	MW-B1D
Sample ID			FD-120815	MW-10S	MW-10S	MW-B1D-WG	MW-B1D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/08/15	12/08/15	12/05/17	09/16/10	12/15/11
Parameter	**Units**	**Criteria***	Field Duplicate (1-1)				
Metals							
Aluminum	UG/L	-	280	340	120 J	1,020 J	2,600
Arsenic	UG/L	25					9.3 J
Barium	UG/L	1000	93	97	120		55
Beryllium	UG/L	3					
Cadmium	UG/L	5			1.5 J		
Calcium	UG/L	-	21,600	21,500	38,900	15,500	26,700
Chromium	UG/L	50					7.1
Cobalt	UG/L	-				0.65 J	1.2 J
Copper	UG/L	200	41	47	27		
Iron	UG/L	300	2,300	2,900	2,200	1,700	2,600
Lead	UG/L	25	3.5 J	4.9 J	4.2 J		
Magnesium	UG/L	35000	1,700	1,800	2,400	1,310 J	1,300
Manganese	UG/L	300	560	580	1,600	82.4	110
Mercury	UG/L	0.7					
Nickel	UG/L	100				2.2 J	2.1 J
Potassium	UG/L	-	1,600	1,500	2,100		2,300
Selenium	UG/L	10					
Silver	UG/L	50					
Sodium	UG/L	20000	1,800	1,800	3,000	2,750 J	3,500
Thallium	UG/L	0.5					
Vanadium	UG/L	-					4.2 J
Zinc	UG/L	2000	15	15	14	9.1 J	13

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-B1D	MW-B1D	MW-B1D	MW-B1D	MW-B1S
Sample ID			MW-B1D	MW-B1D	MW-B1D	MW-B1D	MW-B1S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/19/13	12/09/14	12/08/15	12/05/17	06/19/13
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,2,4-Trichlorobenzene	UG/L	5					
Acetone	UG/L	50					3.4 J
Benzene	UG/L	1					
Chloromethane	UG/L	5					
Methyl ethyl ketone (2-Butanone)	UG/L	50					
Toluene	UG/L	5					
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
2,4-Dimethylphenol	UG/L	50					
2,6-Dinitrotoluene	UG/L	5					
2-Methylphenol (o-cresol)	UG/L	1					
4-Methylphenol (p-cresol)	UG/L	1					1.2 J
Benzaldehyde	UG/L	-					0.33 J
Benzo(a)anthracene	UG/L	0.002					
Benzo(b)fluoranthene	UG/L	0.002					0.72 J
bis(2-Ethylhexyl)phthalate	UG/L	5					1.7 J
Caprolactam	UG/L	-				280 D	
Diethylphthalate	UG/L	50				0.86 J	
Dimethylphthalate	UG/L	50					
Di-n-butylphthalate	UG/L	50					
Fluoranthene	UG/L	50					1.3 J
Naphthalene	UG/L	10					
Pyrene	UG/L	50					1.2 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-B1D	MW-B1D	MW-B1D	MW-B1D	MW-B1S
Sample ID			MW-B1D	MW-B1D	MW-B1D	MW-B1D	MW-B1S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/19/13	12/09/14	12/08/15	12/05/17	06/19/13
Parameter	**Units**	**Criteria***					
Metals							
Aluminum	UG/L	-	3,000	330	290	2,800	17,400
Arsenic	UG/L	25	9.7 J		6.3 J	6.9 J	21
Barium	UG/L	1000	66	32	35	66	550
Beryllium	UG/L	3					1.4 J
Cadmium	UG/L	5	0.67 J			1.3 J	5.8
Calcium	UG/L	-	19,200	15,600	13,200	16,500	29,400
Chromium	UG/L	50	7.6	2.0 J	1.8 J	6.7	25
Cobalt	UG/L	-	1.8 J			0.81 J	15
Copper	UG/L	200	4.7 J			4.6 J	41
Iron	UG/L	300	4,300	250	230	2,500	29,300
Lead	UG/L	25				5.8 J	55
Magnesium	UG/L	35000	2,100	1,400	1,600	2,200	4,000
Manganese	UG/L	300	170	7.2	7.7	82	1,400
Mercury	UG/L	0.7					
Nickel	UG/L	100	4.3 J			2.7 J	28
Potassium	UG/L	-	2,500	1,300	1,400	2,300	5,700
Selenium	UG/L	10					
Silver	UG/L	50					
Sodium	UG/L	20000	3,500	3,100	3,500	3,600	1,600
Thallium	UG/L	0.5					
Vanadium	UG/L	-	5.0	2.1 J	1.6 J	5.7	24
Zinc	UG/L	2000	26		4.2 J	22	260

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-B1S	MW-B1S	MW-B1S	MW-B3D	MW-B3D
Sample ID			MW-B1S	MW-B1S	MW-B1S	MW-B3D-WG	MW-B3D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/09/14	12/08/15	12/05/17	09/15/10	12/15/11
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,2,4-Trichlorobenzene	UG/L	5					
Acetone	UG/L	50			4.7 J		
Benzene	UG/L	1					
Chloromethane	UG/L	5					
Methyl ethyl ketone (2-Butanone)	UG/L	50					
Toluene	UG/L	5					
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
2,4-Dimethylphenol	UG/L	50					
2,6-Dinitrotoluene	UG/L	5					
2-Methylphenol (o-cresol)	UG/L	1					
4-Methylphenol (p-cresol)	UG/L	1					
Benzaldehyde	UG/L	-		0.35 J		NA	
Benzo(a)anthracene	UG/L	0.002			1.9 J		
Benzo(b)fluoranthene	UG/L	0.002	0.53 J		2.2 J		
bis(2-Ethylhexyl)phthalate	UG/L	5					
Caprolactam	UG/L	-			1,700 D	NA	
Diethylphthalate	UG/L	50					
Dimethylphthalate	UG/L	50					
Di-n-butylphthalate	UG/L	50					
Fluoranthene	UG/L	50	0.43 J		4.4 J		
Naphthalene	UG/L	10					
Pyrene	UG/L	50	0.41 J		4.5 J		

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-B1S	MW-B1S	MW-B1S	MW-B3D	MW-B3D
Sample ID			MW-B1S	MW-B1S	MW-B1S	MW-B3D-WG	MW-B3D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/09/14	12/08/15	12/05/17	09/15/10	12/15/11
Parameter	**Units**	**Criteria***					
Metals							
Aluminum	UG/L	-	12,000	29,700	42,500		140 J
Arsenic	UG/L	25		28	36		
Barium	UG/L	1000	190	410	720		56
Beryllium	UG/L	3	0.49 J	1.3 J	2.3		
Cadmium	UG/L	5	3.7	7.4	16		
Calcium	UG/L	-	15,200	19,500	36,800	23,000	26,500
Chromium	UG/L	50	15	36	56		1.2 J
Cobalt	UG/L	-	6.9	16	34		0.78 J
Copper	UG/L	200	24	70	140		
Iron	UG/L	300	17,100	41,700	71,400	283	140
Lead	UG/L	25	26	75	170		
Magnesium	UG/L	35000	3,200	5,500	8,400	2,650 J	3,100
Manganese	UG/L	300	620	1,200	2,200	137	500
Mercury	UG/L	0.7		0.16 J	0.15 J		
Nickel	UG/L	100	14	31	59		1.6 J
Potassium	UG/L	-	4,300	7,200	8,600	742 J	1,300
Selenium	UG/L	10					
Silver	UG/L	50					
Sodium	UG/L	20000	1,200	1,900	1,400	2,520 J	3,200
Thallium	UG/L	0.5				7.7 J	
Vanadium	UG/L	-	16	39	64		
Zinc	UG/L	2000	140	380	700	3.9 J	2.7 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

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Concentration Exceeds Criteria

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J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-B3D	MW-B3D	MW-B3D	MW-B3D	MW-B3S
Sample ID			MW-B3D	MW-B3D	MW-B3D	MW-B3D	MW-B3S-WG
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/19/13	12/09/14	12/08/15	12/04/17	09/15/10
Parameter	**Units**	**Criteria***					
Volatile Organic Compounds							
1,2,4-Trichlorobenzene	UG/L	5					
Acetone	UG/L	50				2.7 J	
Benzene	UG/L	1					
Chloromethane	UG/L	5					
Methyl ethyl ketone (2-Butanone)	UG/L	50					
Toluene	UG/L	5					
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
2,4-Dimethylphenol	UG/L	50					
2,6-Dinitrotoluene	UG/L	5					
2-Methylphenol (o-cresol)	UG/L	1					
4-Methylphenol (p-cresol)	UG/L	1					
Benzaldehyde	UG/L	-			0.34 J		NA
Benzo(a)anthracene	UG/L	0.002					
Benzo(b)fluoranthene	UG/L	0.002					
bis(2-Ethylhexyl)phthalate	UG/L	5					
Caprolactam	UG/L	-					NA
Diethylphthalate	UG/L	50					
Dimethylphthalate	UG/L	50					
Di-n-butylphthalate	UG/L	50					
Fluoranthene	UG/L	50					
Naphthalene	UG/L	10					
Pyrene	UG/L	50					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

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ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-B3D	MW-B3D	MW-B3D	MW-B3D	MW-B3S
Sample ID			MW-B3D	MW-B3D	MW-B3D	MW-B3D	MW-B3S-WG
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/19/13	12/09/14	12/08/15	12/04/17	09/15/10
Parameter	**Units**	**Criteria***					
Metals							
Aluminum	UG/L	-	82 J	170 J	94 J		
Arsenic	UG/L	25					
Barium	UG/L	1000	54	110	96	39	
Beryllium	UG/L	3					
Cadmium	UG/L	5					
Calcium	UG/L	-	24,900	26,200	25,000	25,000	19,000
Chromium	UG/L	50		1.4 J			
Cobalt	UG/L	-	0.83 J	4.2	3.2 J		
Copper	UG/L	200					2.6 J
Iron	UG/L	300	87	230	130		
Lead	UG/L	25					
Magnesium	UG/L	35000	3,100	3,200	3,000	3,000	3,820 J
Manganese	UG/L	300	530	2,800	2,100	180	114
Mercury	UG/L	0.7					
Nickel	UG/L	100		2.4 J	2.3 J		
Potassium	UG/L	-	900	980	950	890	526 J
Selenium	UG/L	10					
Silver	UG/L	50					16.2 J
Sodium	UG/L	20000	3,000	2,900	3,200	2,900	1,470 J
Thallium	UG/L	0.5					5.5 J
Vanadium	UG/L	-					
Zinc	UG/L	2000	2.6 J			3 J	1.8 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

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Concentration Exceeds Criteria

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J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-B3S	MW-B3S	MW-B3S	MW-B3S	MW-B3S
Sample ID			MW-B3S	MW-B3S	MW-B3S	MW-B3S	FD-120417
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/15/11	06/19/13	12/09/14	12/08/15	12/04/17
Parameter	**Units**	**Criteria***					Field Duplicate (1-1)
Volatile Organic Compounds							
1,2,4-Trichlorobenzene	UG/L	5					
Acetone	UG/L	50					3.6 J
Benzene	UG/L	1					
Chloromethane	UG/L	5					
Methyl ethyl ketone (2-Butanone)	UG/L	50					
Toluene	UG/L	5					
Xylene (total)	UG/L	5					
Semivolatile Organic Compounds							
2,4-Dimethylphenol	UG/L	50					
2,6-Dinitrotoluene	UG/L	5					
2-Methylphenol (o-cresol)	UG/L	1					
4-Methylphenol (p-cresol)	UG/L	1					
Benzaldehyde	UG/L	-				0.39 J	
Benzo(a)anthracene	UG/L	0.002					
Benzo(b)fluoranthene	UG/L	0.002					
bis(2-Ethylhexyl)phthalate	UG/L	5					
Caprolactam	UG/L	-					
Diethylphthalate	UG/L	50					
Dimethylphthalate	UG/L	50					
Di-n-butylphthalate	UG/L	50					
Fluoranthene	UG/L	50					
Naphthalene	UG/L	10					
Pyrene	UG/L	50					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

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- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-B3S	MW-B3S	MW-B3S	MW-B3S	MW-B3S
Sample ID			MW-B3S	MW-B3S	MW-B3S	MW-B3S	FD-120417
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/15/11	06/19/13	12/09/14	12/08/15	12/04/17
Parameter	**Units**	**Criteria***					Field Duplicate (1-1)
Metals							
Aluminum	UG/L	-			85 J	100 J	64 J
Arsenic	UG/L	25					
Barium	UG/L	1000	120	110	120	180	160
Beryllium	UG/L	3					
Cadmium	UG/L	5					
Calcium	UG/L	-	19,700	17,500	15,400	10,200	11,700
Chromium	UG/L	50	1.0 J				
Cobalt	UG/L	-					
Copper	UG/L	200					
Iron	UG/L	300	66	25 J	62	88	36 J
Lead	UG/L	25					
Magnesium	UG/L	35000	4,400	3,900	3,600	2,800	2,800
Manganese	UG/L	300	390	320	980	940	640 J
Mercury	UG/L	0.7					
Nickel	UG/L	100					
Potassium	UG/L	-	800	730	650	780	680
Selenium	UG/L	10					
Silver	UG/L	50					
Sodium	UG/L	20000	1,700	1,600	1,300	1,300	1,100
Thallium	UG/L	0.5					
Vanadium	UG/L	-					
Zinc	UG/L	2000	2.7 J	2.7 J		2.1 J	2 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-B3S
Sample ID			MW-B3S
Matrix			Groundwater
Depth Interval (ft)			-
Date Sampled			12/04/17
Parameter	**Units**	**Criteria***	
Volatile Organic Compounds			
1,2,4-Trichlorobenzene	UG/L	5	
Acetone	UG/L	50	3.5 J
Benzene	UG/L	1	
Chloromethane	UG/L	5	
Methyl ethyl ketone (2-Butanone)	UG/L	50	
Toluene	UG/L	5	
Xylene (total)	UG/L	5	
Semivolatile Organic Compounds			
2,4-Dimethylphenol	UG/L	50	
2,6-Dinitrotoluene	UG/L	5	
2-Methylphenol (o-cresol)	UG/L	1	
4-Methylphenol (p-cresol)	UG/L	1	
Benzaldehyde	UG/L	-	
Benzo(a)anthracene	UG/L	0.002	
Benzo(b)fluoranthene	UG/L	0.002	
bis(2-Ethylhexyl)phthalate	UG/L	5	
Caprolactam	UG/L	-	
Diethylphthalate	UG/L	50	
Dimethylphthalate	UG/L	50	
Di-n-butylphthalate	UG/L	50	
Fluoranthene	UG/L	50	
Naphthalene	UG/L	10	
Pyrene	UG/L	50	

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 3
HISTORICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER
KERRY CHEMICAL SITE

Location ID			MW-B3S
Sample ID			MW-B3S
Matrix			Groundwater
Depth Interval (ft)			-
Date Sampled			12/04/17
Parameter	**Units**	**Criteria***	
Metals			
Aluminum	UG/L	-	
Arsenic	UG/L	25	
Barium	UG/L	1000	180
Beryllium	UG/L	3	
Cadmium	UG/L	5	
Calcium	UG/L	-	11,700
Chromium	UG/L	50	
Cobalt	UG/L	-	
Copper	UG/L	200	
Iron	UG/L	300	35 J
Lead	UG/L	25	
Magnesium	UG/L	35000	2,800
Manganese	UG/L	300	850 J
Mercury	UG/L	0.7	
Nickel	UG/L	100	
Potassium	UG/L	-	690
Selenium	UG/L	10	
Silver	UG/L	50	
Sodium	UG/L	20000	1,100
Thallium	UG/L	0.5	
Vanadium	UG/L	-	
Zinc	UG/L	2000	3.2 J

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA.

Flags assigned during chemistry validation are shown.

Concentration Exceeds Criteria

- - No criteria.

J - The reported concentration is an estimated value. D - Result reported from a secondary dilution analysis.

ND or Blank cell - Not detected. NA - Not analyzed.

Only Detected Results Reported.

TABLE 4
STATISTICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
KERRY CHEMICAL SITE

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value
					Min	Max	Avg		
Volatile Organic Compounds									
1,2,4-Trichlorobenzene	UG/L	5	106	1	1.30	1.30	1.30	0	MW-10D
Acetone	UG/L	50	89	18	2.40	4.70	3.27	0	MW-B1S
Benzene	UG/L	1	106	1	0.310	0.310	0.310	0	MW-10S
Chloromethane	UG/L	5	106	1	0.590	0.590	0.590	0	MW-10S
Methyl ethyl ketone (2-Butanone)	UG/L	50	106	2	1.40	1.40	1.40	0	MW-10S
Toluene	UG/L	5	106	1	0.310	0.310	0.310	0	MW-10S
Xylene (total)	UG/L	5	106	1	0.360	0.360	0.360	0	MW-10S
Semivolatile Organic Compounds									
2,4-Dimethylphenol	UG/L	50	104	5	1.00	3.50	2.70	0	MW-10S
2,6-Dinitrotoluene	UG/L	5	106	1	7.60	7.60	7.60	1	MW-05S
2-Methylphenol (o-cresol)	UG/L	1	104	2	0.440	2.00	1.22	1	MW-10S
4-Methylphenol (p-cresol)	UG/L	1	104	2	0.630	1.20	0.915	1	MW-B1S
Benzaldehyde	UG/L	-	89	12	0.250	0.510	0.325	0	MW-10S
Benzo(a)anthracene	UG/L	0.002	106	1	1.90	1.90	1.90	1	MW-B1S
Benzo(b)fluoranthene	UG/L	0.002	106	3	0.530	2.20	1.15	3	MW-B1S
bis(2-Ethylhexyl)phthalate	UG/L	5	106	4	1.00	2.00	1.68	0	MW-05I
Caprolactam	UG/L	-	89	2	280.0	1,700	990.0	0	MW-B1S

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA. **-USEPA

Concentration Exceeds Criteria

Only Detected Results Reported.

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Printed: 3/6/2018 11:04:18 AM
WHERE [SITE KEY] = 9 AND [MATRIX] = 'WG' AND [LOGDATE] >= #3/23/2010# AND NOT [PRCCODE] = 'PFC';

TABLE 4
STATISTICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
KERRY CHEMICAL SITE

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value
					Min	Max	Avg		
Semivolatile Organic Compounds									
Diethylphthalate	UG/L	50	106	1	0.860	0.860	0.860	0	MW-B1D
Dimethylphthalate	UG/L	50	106	3	2.10	5.00	3.20	0	MW-10S
Di-n-butylphthalate	UG/L	50	106	1	0.350	0.350	0.350	0	MW-10S
Fluoranthene	UG/L	50	106	3	0.430	4.40	2.04	0	MW-B1S
Naphthalene	UG/L	10	106	1	1.00	1.00	1.00	0	MW-10S
Pyrene	UG/L	50	106	3	0.410	4.50	2.04	0	MW-B1S
Metals									
Aluminum	UG/L	-	106	72	63.00	4.25E+04	2,014	0	MW-B1S
Arsenic	UG/L	25	106	20	5.60	190.0	52.48	8	MW-04S
Barium	UG/L	1000	106	95	32.00	950.0	169.4	0	MW-04S
Beryllium	UG/L	3	106	4	0.490	2.30	1.37	0	MW-B1S
Cadmium	UG/L	5	106	12	0.420	16.00	3.44	3	MW-B1S
Calcium	UG/L	-	106	106	1.02E+04	3.89E+04	2.24E+04	0	MW-10S
Chromium	UG/L	50	106	56	0.920	56.00	6.60	1	MW-B1S
Cobalt	UG/L	-	106	29	0.440	34.00	3.57	0	MW-B1S
Copper	UG/L	200	106	39	1.60	140.0	19.77	0	MW-B1S
Iron	UG/L	300	106	101	21.00	7.14E+04	3,455	64	MW-B1S

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA. **-USEPA

Concentration Exceeds Criteria

Only Detected Results Reported.

D:\WORK\Stat.mdb
Printed: 3/6/2018 11:04:18 AM
WHERE [SITE KEY] = 9 AND [MATRIX] = 'WG' AND [LOGDATE] >= #3/23/2010# AND NOT [PRCCODE] = 'PFC';

TABLE 4
STATISTICAL SUMMARY OF DETECTED COMPOUNDS IN GROUNDWATER SAMPLES
KERRY CHEMICAL SITE

Parameter	Units	Criteria*	No. of Samples	No. of Detections	Range of Detections			No. Exceed	Location of Max Value
					Min	Max	Avg		
Metals									
Lead	UG/L	25	106	14	3.00	170.0	27.30	4	MW-B1S
Magnesium	UG/L	35000	106	106	1,300	8,400	3,346	0	MW-B1S
Manganese	UG/L	300	106	106	7.20	5,400	921.7	58	MW-04S
Mercury	UG/L	0.7	106	2	0.150	0.160	0.155	0	MW-B1S
Nickel	UG/L	100	106	50	0.680	59.00	6.19	0	MW-B1S
Potassium	UG/L	-	106	103	526.0	8,600	1,513	0	MW-B1S
Selenium	UG/L	10	106	2	4.00	4.00	4.00	0	MW-05S
Silver	UG/L	50	106	5	11.20	16.20	13.54	0	MW-B3S
Sodium	UG/L	20000	106	105	960.0	1.14E+04	4,385	0	MW-04S
Thallium	UG/L	0.5	106	15	5.50	40.20	14.87	15	MW-05S
Vanadium	UG/L	-	106	16	1.20	64.00	11.41	0	MW-B1S
Zinc	UG/L	2000	106	81	1.20	700.0	27.93	0	MW-B1S

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998 (includes 4/2000 and 6/2004 Addenda) Class GA. **-USEPA

Concentration Exceeds Criteria

Only Detected Results Reported.

TABLE 5
MANN-KENDALL STATISTICAL ANALYSIS
KERRY CHEMICAL SITE

LOCID: MW-03I

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
Chromium	WG	MET	6	5	3	0.36	No Trend
Iron	WG	MET	6	6	-3	0.36	No Trend
Manganese	WG	MET	6	6	-5	0.235	No Trend

LOCID: MW-03S

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
Arsenic	WG	MET	6	3	10	0.068	Upward Trend
Chromium	WG	MET	6	2	-1	0.5	No Trend
Iron	WG	MET	6	6	-6	0.235	No Trend
Manganese	WG	MET	6	6	-5	0.235	No Trend
Thallium	WG	MET	6	1	-5	0.235	No Trend

LOCID: MW-04I

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
Cadmium	WG	MET	6	1	-1	0.5	No Trend
Chromium	WG	MET	6	5	-9	0.068	Downward Trend
Iron	WG	MET	6	5	1	0.5	No Trend
Manganese	WG	MET	6	6	6	0.235	No Trend
Thallium	WG	MET	6	1	-5	0.235	No Trend

LOCID: MW-04S

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
Arsenic	WG	MET	6	6	6	0.235	No Trend
Cadmium	WG	MET	6	1	1	0.5	No Trend
Chromium	WG	MET	6	3	6	0.235	No Trend
Iron	WG	MET	6	6	7	0.136	No Trend
Lead	WG	MET	6	1	5	0.235	No Trend
Manganese	WG	MET	6	6	13	0.0083	Upward Trend

For multiple observations per time period, the Mann-Kendall test to the median was used.
Data reported as less than the detection limit were used by assigning a common value to the data that was smaller than the smallest measurement in the data set.
(1) - Probabilities for Mann-Kendall Nonparameteric Test for Trend (Gilbert R.O. 1987, Table A18).
(2) - Assuming a probability of error of 10% in the analyis method and or data, then the probability of no trend as calculated by the Mann-Kendall statistic is less than 10%, then it is assumed that there is a trend.
* - Number of obsevations too small to calculate probablities.
** - Probability Undefined for S=0 and N=6, 7, 10, 11, 14, 15, 18, 19, 22, 23, 26, 27, 30, 31, 34, or 35.

Only compounds which exceeded TOGS 1.1.1 Class GA groundwater standards or guidance values since September 2010 are shown.

Only Detected Results Reported.

WHERE [SITEID] = '11176206' AND [MATRIX] = 'WG' AND [LOGDATE] >= #9/1/2010# AND([PARNAME] = '2,6-Dinitrotoluene' OR [PARNAME] = '2-Methylphenol (o-cresol)' OR [PARNAME] = '4-Methylphenol (p-cresol)' OR [PARNAME] = 'Benzo(a)anthracene' OR [PARNAME] = 'Benzo(b)fluoranthene' OR [PARNAME] = 'Arsenic' OR [PARNAME] = 'Cadmium' OR [PARNAME] = 'Chromium' OR

TABLE 5
MANN-KENDALL STATISTICAL ANALYSIS
KERRY CHEMICAL SITE

LOCID: MW-04S

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
Thallium	WG	MET	6	1	-5	0.235	No Trend

LOCID: MW-05D

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
Chromium	WG	MET	6	5	1	0.5	No Trend
Iron	WG	MET	6	5	-11	0.028	Downward Trend
Lead	WG	MET	6	1	5	0.235	No Trend
Manganese	WG	MET	6	6	-13	0.0083	Downward Trend
Thallium	WG	MET	6	1	-5	0.235	No Trend

LOCID: MW-05I

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
Chromium	WG	MET	6	4	-2	0.5	No Trend
Iron	WG	MET	6	5	5	0.235	No Trend
Manganese	WG	MET	6	6	2	0.5	No Trend
Thallium	WG	MET	6	1	-5	0.235	No Trend

LOCID: MW-05S

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
2,6-Dinitrotoluene	WG	SVOA	6	1	1	0.5	No Trend
Cadmium	WG	MET	6	1	3	0.36	No Trend
Chromium	WG	MET	6	1	-1	0.5	No Trend
Iron	WG	MET	6	6	-11	0.028	Downward Trend
Manganese	WG	MET	6	6	-5	0.235	No Trend
Thallium	WG	MET	6	1	-5	0.235	No Trend

For multiple observations per time period, the Mann-Kendall test to the median was used.
Data reported as less than the detection limit were used by assigning a common value to the data that was smaller than the smallest measurement in the data set.
(1) - Probabilities for Mann-Kendall Nonparameteric Test for Trend (Gilbert R.O. 1987, Table A18).
(2) - Assuming a probability of error of 10% in the analyis method and or data, then the probability of no trend as calculated by the Mann-Kendall statistic is less than 10%, then it is assumed that there is a trend.
* - Number of obsevations too small to calculate probablities.
** - Probability Undefined for S=0 and N=6, 7, 10, 11, 14, 15, 18, 19, 22, 23, 26, 27, 30, 31, 34, or 35.

Only compounds which exceeded TOGS 1.1.1 Class GA groundwater standards or guidance values since September 2010 are shown.

Only Detected Results Reported.

WHERE [SITEID] = '11176206' AND [MATRIX] = 'WG' AND [LOGDATE] >= #9/1/2010# AND([PARNAME] = '2,6-Dinitrotoluene' OR [PARNAME] = '2-Methylphenol (o-cresol)' OR [PARNAME] = '4-Methylphenol (p-cresol)' OR [PARNAME] = 'Benzo(a)anthracene' OR [PARNAME] = 'Benzo(b)fluoranthene' OR [PARNAME] = 'Arsenic' OR [PARNAME] = 'Cadmium' OR [PARNAME] = 'Chromium' OR

TABLE 5
MANN-KENDALL STATISTICAL ANALYSIS
KERRY CHEMICAL SITE

LOCID: MW-07I

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
Cadmium	WG	MET	6	1	-1	0.5	No Trend
Chromium	WG	MET	6	5	7	0.136	No Trend
Iron	WG	MET	6	6	-7	0.136	No Trend
Manganese	WG	MET	6	6	-11	0.028	Downward Trend
Thallium	WG	MET	6	1	-5	0.235	No Trend

LOCID: MW-07S

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
Arsenic	WG	MET	6	2	-9	0.068	Downward Trend
Chromium	WG	MET	6	1	-3	0.36	No Trend
Iron	WG	MET	6	6	2	0.5	No Trend
Manganese	WG	MET	6	6	-8	0.136	No Trend
Thallium	WG	MET	6	1	-5	0.235	No Trend

LOCID: MW-09S

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
Arsenic	WG	MET	6	2	-5	0.235	No Trend
Cadmium	WG	MET	6	1	-5	0.235	No Trend
Chromium	WG	MET	6	3	-6	0.235	No Trend
Iron	WG	MET	6	6	-13	0.0083	Downward Trend
Lead	WG	MET	6	1	-3	0.36	No Trend
Manganese	WG	MET	6	6	-14	0.0083	Downward Trend
Thallium	WG	MET	6	1	-5	0.235	No Trend

LOCID: MW-10D

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
Chromium	WG	MET	6	4	-2	0.5	No Trend
Iron	WG	MET	6	6	-3	0.36	No Trend

For multiple observations per time period, the Mann-Kendall test to the median was used.
Data reported as less than the detection limit were used by assigning a common value to the data that was smaller than the smallest measurement in the data set.
(1) - Probabilities for Mann-Kendall Nonparameteric Test for Trend (Gilbert R.O. 1987, Table A18).
(2) - Assuming a probability of error of 10% in the analyis method and or data, then the probability of no trend as calculated by the Mann-Kendall statistic is less than 10%, then it is assumed that there is a trend.
* - Number of obsevations too small to calculate probablities.
** - Probability Undefined for S=0 and N=6, 7, 10, 11, 14, 15, 18, 19, 22, 23, 26, 27, 30, 31, 34, or 35.

Only compounds which exceeded TOGS 1.1.1 Class GA groundwater standards or guidance values since September 2010 are shown.

Only Detected Results Reported.

WHERE [SITEID] = '11176206' AND [MATRIX] = 'WG' AND [LOGDATE] >= #9/1/2010# AND([PARNAME] = '2,6-Dinitrotoluene' OR [PARNAME] = '2-Methylphenol (o-cresol)' OR [PARNAME] = '4-Methylphenol (p-cresol)' OR [PARNAME] = 'Benzo(a)anthracene' OR [PARNAME] = 'Benzo(b)fluoranthene' OR [PARNAME] = 'Arsenic' OR [PARNAME] = 'Cadmium' OR [PARNAME] = 'Chromium' OR

TABLE 5
MANN-KENDALL STATISTICAL ANALYSIS
KERRY CHEMICAL SITE

LOCID: MW-10D

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
Lead	WG	MET	6	1	1	0.5	No Trend
Manganese	WG	MET	6	6	-5	0.235	No Trend
Thallium	WG	MET	6	1	-5	0.235	No Trend

LOCID: MW-10I

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
Chromium	WG	MET	6	5	-1	0.5	No Trend
Iron	WG	MET	6	6	-5	0.235	No Trend
Manganese	WG	MET	6	6	-9	0.068	Downward Trend
Thallium	WG	MET	6	1	-5	0.235	No Trend

LOCID: MW-10S

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
2-Methylphenol (o-cresol)	WG	SVOA	6	2	-5	0.235	No Trend
4-Methylphenol (p-cresol)	WG	SVOA	6	1	1	0.5	No Trend
Cadmium	WG	MET	6	1	5	0.235	No Trend
Chromium	WG	MET	6	1	-3	0.36	No Trend
Iron	WG	MET	6	6	-13	0.0083	Downward Trend
Lead	WG	MET	6	4	1	0.5	No Trend
Manganese	WG	MET	6	6	-5	0.235	No Trend
Thallium	WG	MET	6	1	-5	0.235	No Trend

LOCID: MW-B1D

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
Arsenic	WG	MET	6	4	2	0.5	No Trend
Cadmium	WG	MET	6	2	5	0.235	No Trend
Chromium	WG	MET	6	5	1	0.5	No Trend
Iron	WG	MET	6	6	-3	0.36	No Trend

For multiple observations per time period, the Mann-Kendall test to the median was used.
Data reported as less than the detection limit were used by assigning a common value to the data that was smaller than the smallest measurement in the data set.
(1) - Probabilities for Mann-Kendall Nonparameteric Test for Trend (Gilbert R.O. 1987, Table A18).
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Only compounds which exceeded TOGS 1.1.1 Class GA groundwater standards or guidance values since September 2010 are shown.

Only Detected Results Reported.

WHERE [SITEID] = '11176206' AND [MATRIX] = 'WG' AND [LOGDATE] >= #9/1/2010# AND([PARNAME] = '2,6-Dinitrotoluene' OR [PARNAME] = '2-Methylphenol (o-cresol)' OR [PARNAME] = '4-Methylphenol (p-cresol)' OR [PARNAME] = 'Benzo(a)anthracene' OR [PARNAME] = 'Benzo(b)fluoranthene' OR [PARNAME] = 'Arsenic' OR [PARNAME] = 'Cadmium' OR [PARNAME] = 'Chromium' OR

TABLE 5
MANN-KENDALL STATISTICAL ANALYSIS
KERRY CHEMICAL SITE

LOCID: MW-B1D

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
Lead	WG	MET	6	1	5	0.235	No Trend
Manganese	WG	MET	6	6	-3	0.36	No Trend

LOCID: MW-B1S

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
4-Methylphenol (p-cresol)	WG	SVOA	4	1	-3	0.375	No Trend
Benzo(a)anthracene	WG	SVOA	4	1	3	0.375	No Trend
Benzo(b)fluoranthene	WG	SVOA	4	3	0	0.625	No Trend
Arsenic	WG	MET	4	3	4	0.167	No Trend
Cadmium	WG	MET	4	4	4	0.167	No Trend
Chromium	WG	MET	4	4	4	0.167	No Trend
Iron	WG	MET	4	4	4	0.167	No Trend
Lead	WG	MET	4	4	4	0.167	No Trend
Manganese	WG	MET	4	4	2	0.375	No Trend

LOCID: MW-B3D

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
Chromium	WG	MET	6	2	-1	0.5	No Trend
Iron	WG	MET	6	5	-9	0.068	Downward Trend
Manganese	WG	MET	6	6	5	0.235	No Trend
Thallium	WG	MET	6	1	-5	0.235	No Trend

LOCID: MW-B3S

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
Chromium	WG	MET	6	1	-3	0.36	No Trend
Iron	WG	MET	6	5	5	0.235	No Trend
Manganese	WG	MET	6	6	7	0.136	No Trend
Thallium	WG	MET	6	1	-5	0.235	No Trend

For multiple observations per time period, the Mann-Kendall test to the median was used.
Data reported as less than the detection limit were used by assigning a common value to the data that was smaller than the smallest measurement in the data set.
(1) - Probabilities for Mann-Kendall Nonparameteric Test for Trend (Gilbert R.O. 1987, Table A18).
(2) - Assuming a probability of error of 10% in the analyis method and or data, then the probability of no trend as calculated by the Mann-Kendall statistic is less than 10%, then it is assumed that there is a trend.
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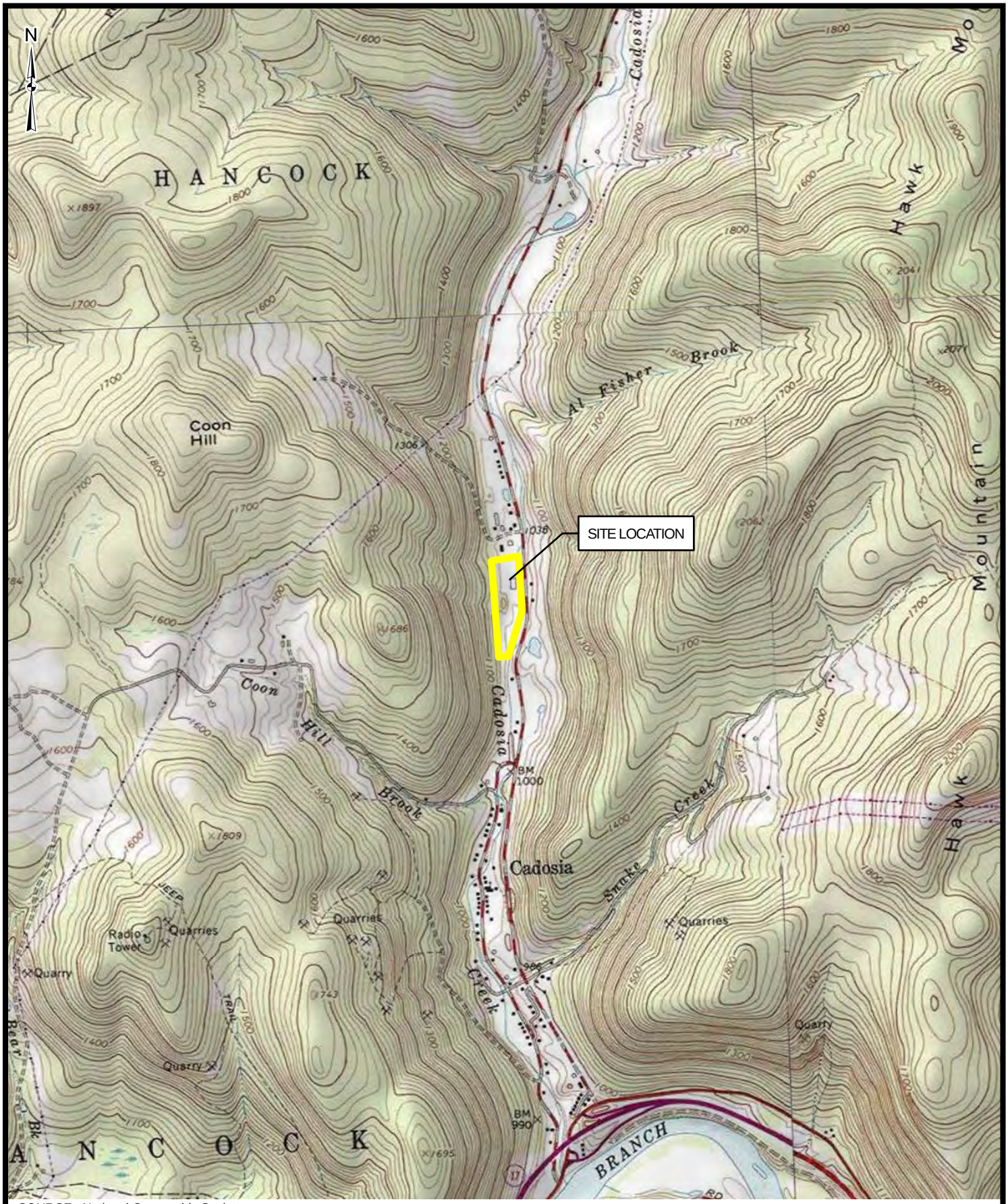
Only compounds which exceeded TOGS 1.1.1 Class GA groundwater standards or guidance values since September 2010 are shown.

Only Detected Results Reported.

Advanced Selection: Kerry Tab 5 2017
J:\Projects\Small_Chemistry_Jobs\DB\Program\Stat.mdb
1/15/2018

WHERE [SITEID] = '11176206' AND [MATRIX] = 'WG' AND [LOGDATE] >= #9/1/2010# AND([PARNAME] = '2,6-Dinitrotoluene' OR [PARNAME] = '2-Methylphenol (o-cresol)' OR [PARNAME] = '4-Methylphenol (p-cresol)' OR [PARNAME] = 'Benzo(a)anthracene' OR [PARNAME] = 'Benzo(b)fluoranthene' OR [PARNAME] = 'Arsenic' OR [PARNAME] = 'Cadmium' OR [PARNAME] = 'Chromium' OR

FIGURES

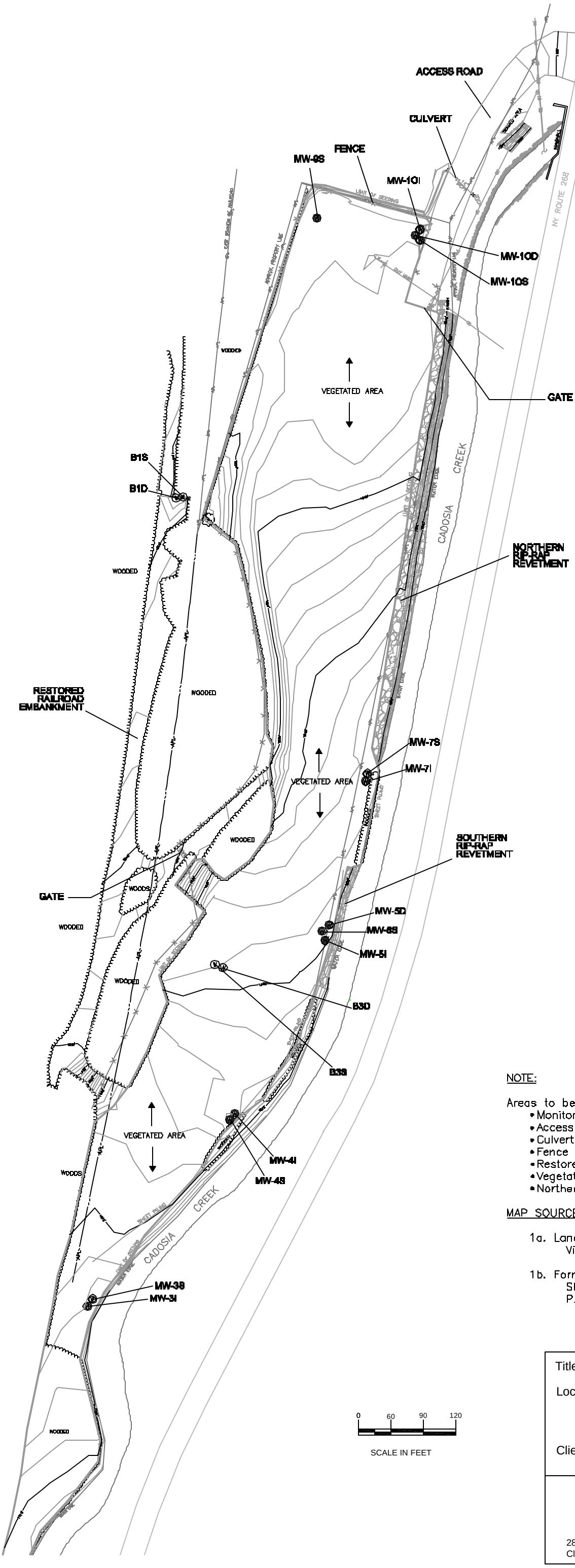


SOURCE: National Geographic Society

2,000 0 2,000 Feet

URS	SITE LOCATION MAP KERRY CHEMICAL COMPANY HANCOCK, NY	FIGURE 1

J:\Projects\11176206\GIS\Maps\1 - SiteLocation.mxd 5/4/2016



LEGEND

- FENCE
- OVERHEAD ELECTRIC LINE
- OVERHEAD TELEPHONE LINE
- OVERHEAD CABLE T.V. LINE
- APPROXIMATE PROPERTY LINE
- WOODED AREA
- SHEET PILING
- LIMITS OF SEEDING/TOPSOIL
- CULVERT PIPE
- RIP-RAP
- NEW MONITORING WELL — MW-10I
- EXISTING MONITORING WELL — B3D

NOTE:

Areas to be monitored and maintained include:

- Monitoring Wells
- Access Road
- Culvert Under Access Road
- Fence
- Restored Railroad Embankment
- Vegetated Area
- Northern and Southern Revetments

MAP SOURCE:

1a. Lands of Carme S. Vitale, Jr. and James F. Vitale surveyed by David J. Beers August 1, 1991.

1b. Former Kerry Chemical Site, As-Built Survey, Shumaker Consulting Engineering & Land Surveying, P.C., January 3, 2008.

Title:	SITE PLAN
Location:	KERRY CHEMICAL COMPANY APEX CADOSIA ROAD HANCOCK, NEW YORK
Client:	NYSDEC

URS Corporation
28 Corporate Drive, Suite 200
Clifton Park, New York 12065

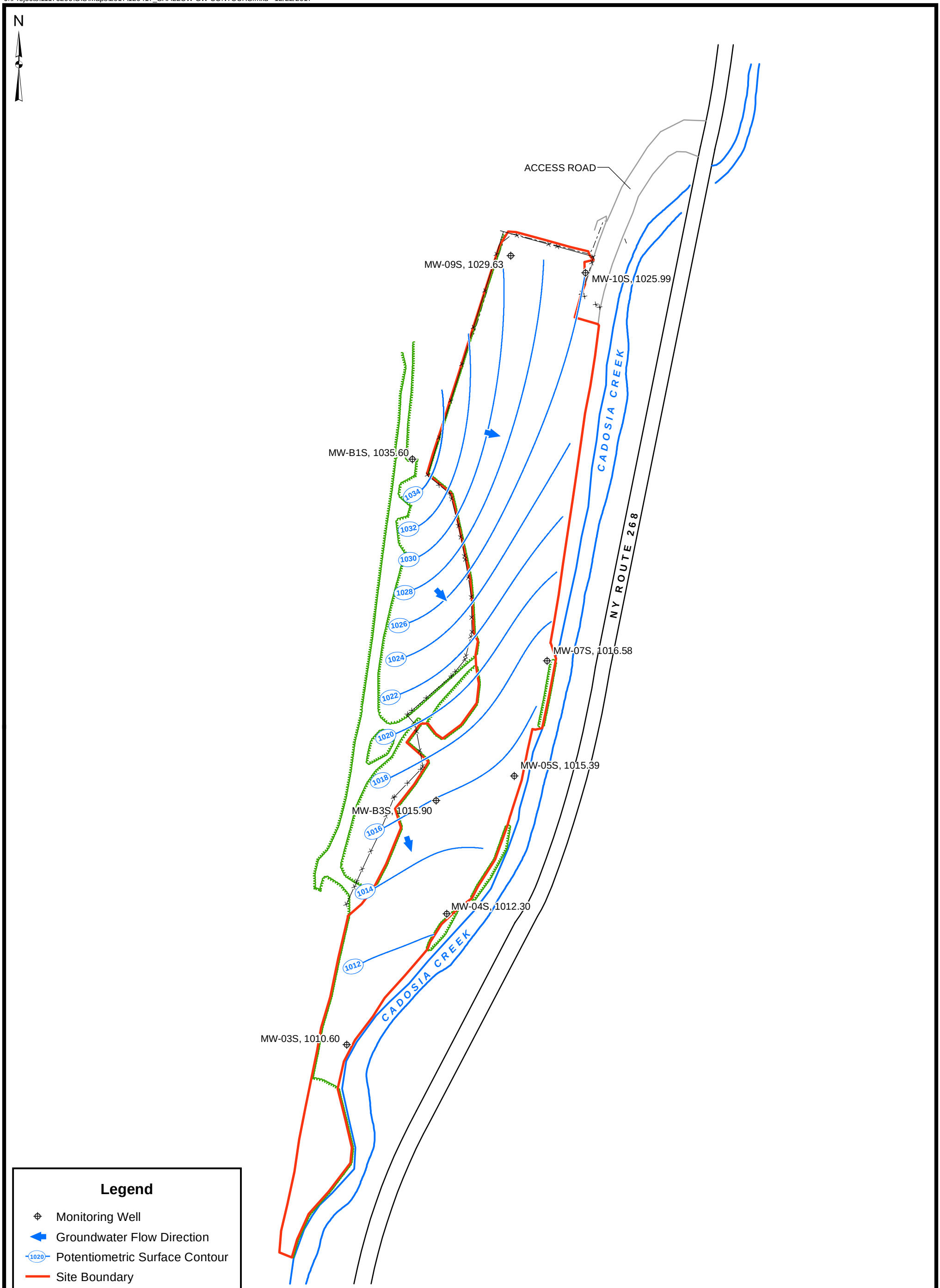
Drafter: DAD	Date: January 2008
Drg. Size: 11x17	Job No.: 11174594.00002

FIGURE 2

J:\11174594\CAD\Fig 2 Site Plan.dwg

J:\Projects\11176206\GIS\Maps\2017\120417_SHALLOW GW CONTOURS.mxd 12/22/2017

N



Legend

- Monitoring Well
- Groundwater Flow Direction
- 1020 Potentiometric Surface Contour
- Site Boundary
- Fence
- Treeline

MW-03S, 1010.79
Location ID
Groundwater Elevation (FT AMSL)

FT AMSL = FEET ABOVE MEAN SEA LEVEL

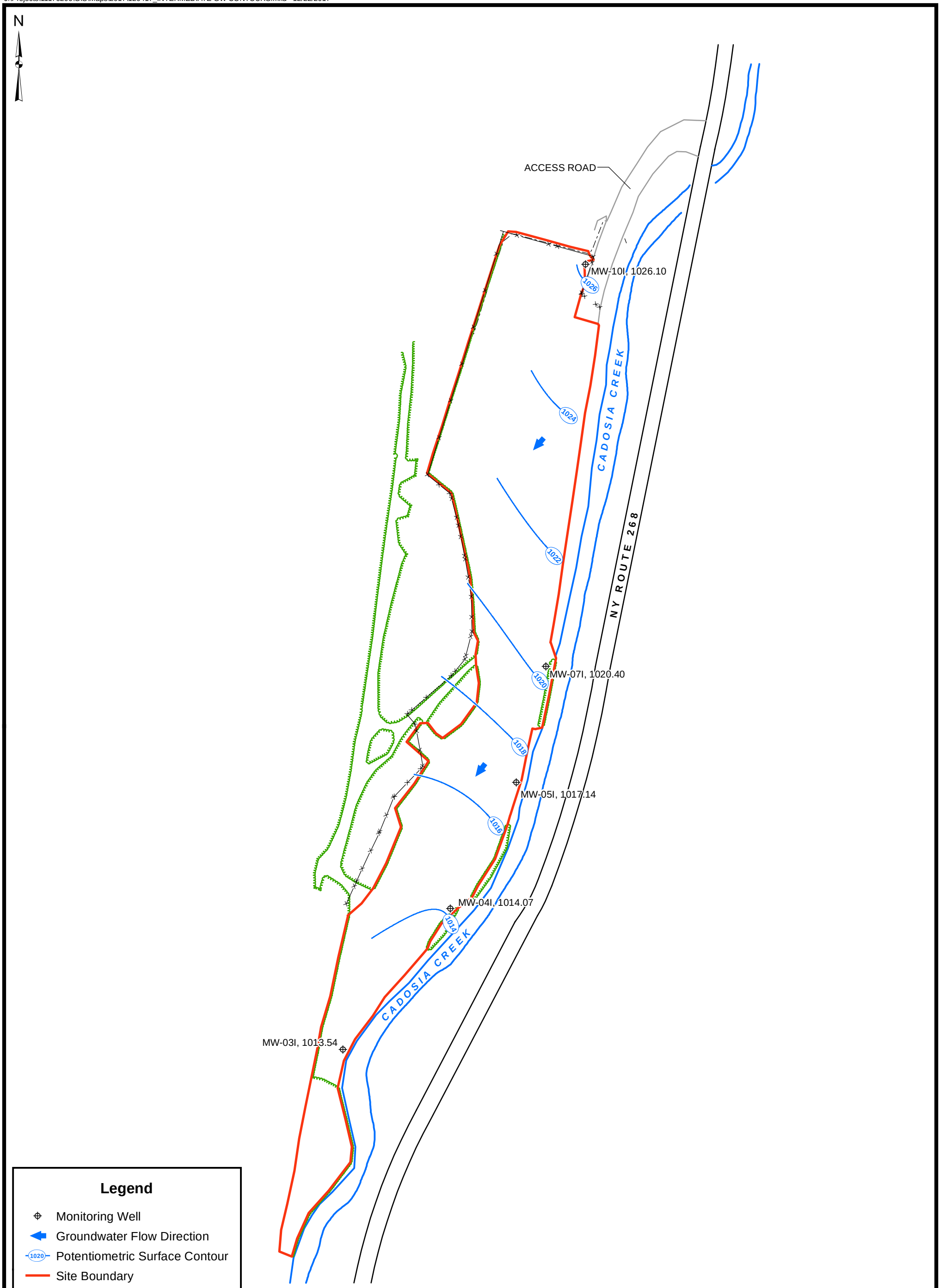
150 0 150 Feet

URS

KERRY CHEMICAL COMPANY
POTENTIOMETRIC SURFACE MAP FOR SHALLOW GROUNDWATER
DECEMBER 4 & 5, 2017

FIGURE 3

J:\Projects\11176206\GIS\Maps\2017\120417_INTERMEDIATE GW CONTOURS.mxd 12/22/2017



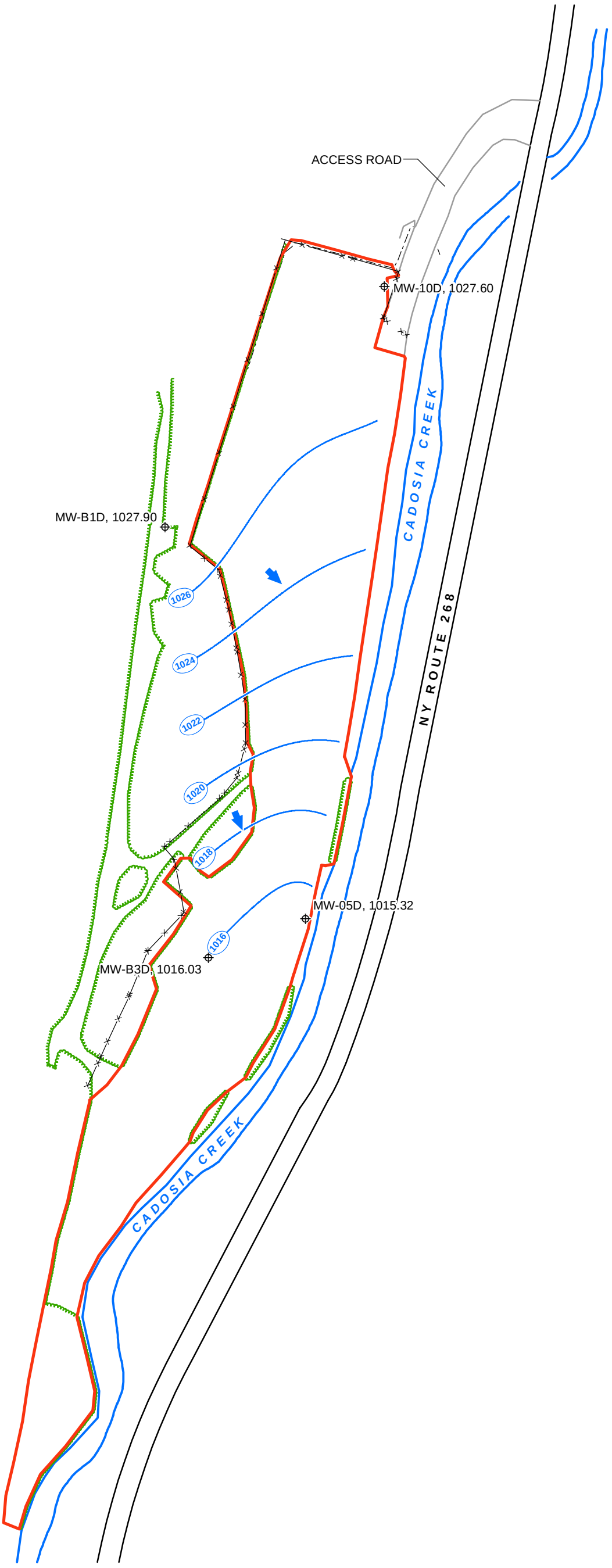
URS

KERRY CHEMICAL COMPANY
POTENTIOMETRIC SURFACE MAP FOR INTERMEDIATE GROUNDWATER
DECEMBER 4 & 5, 2017

FIGURE 4

J:\Projects\11176206\GIS\Maps\2017\120417_DEEP GW CONTOURS.mxd 12/22/2017

N



Legend

- Monitoring Well
- Groundwater Flow Direction
- Potentiometric Surface Contour (1020)
- Site Boundary
- Fence
- Treeline

MW-03D, 1016.60
Location ID
Groundwater Elevation (FT AMSL)

FT AMSL = FEET ABOVE MEAN SEA LEVEL

150 0 150 Feet

URS

KERRY CHEMICAL COMPANY
POTENTIOMETRIC SURFACE MAP FOR DEEP GROUNDWATER
DECEMBER 4 & 5, 2017

FIGURE 5

J:\Projects\11176206\GIS\Maps\2017\HISTORICAL_GROUNDWATER EXCEEDANCES.mxd 1/15/2018

N

ACCESS ROAD

CADOSIA CREEK

NY ROUTE 268

MW-09S	CRIT	9/10	12/11	6/13	12/14	12/15	12/17
MET:							
Iron	300	4570	10000	3500	2500	2200	1700
Manganese	300	942	410	BC	BC	BC	BC
Thallium	0.5	9.6	ND	ND	ND	ND	ND

MW-10I	CRIT	9/10	12/11	6/13	12/14	12/15	12/17
MET:							
Iron	300	BC	2200	1100	1300	610	BC
Manganese	300	473	710	620	610	420	BC
Thallium	0.5	6.1	ND	ND	ND	ND	ND

MW-10D	CRIT	9/10	12/11	6/13	12/14	12/15	12/17
MET:							
Iron	300	386	1000	400	1400	BC	BC
Thallium	0.5	9.4	ND	ND	ND	ND	ND

MW-B1S	CRIT	9/10	12/11	6/13	12/14	12/15	12/17
SVOCs:							
4-Methylphenol (p-cresol)	1	NS	NS	1.2	ND	ND	ND
Benzo(b)anthracene	0.002	NS	NS	ND	ND	ND	1.9
Benzo(b)fluoranthene	0.002	NS	NS	0.72	0.53	ND	2.2
MET:							
Arsenic	25	NS	NS	BC	ND	28	36
Cadmium	5	NS	NS	5.8	BC	7.4	16
Chromium	50	NS	NS	BC	BC	BC	56
Iron	300	NS	NS	29300	17100	41700	71400
Lead	25	NS	NS	55	26	75	170
Manganese	300	NS	NS	1400	620	1200	2200

MW-10S	CRIT	9/10	12/11	6/13	12/14	12/15	12/17
SVOCs:							
2-Methylphenol (o-cresol)	1	2	ND	ND	BC	ND	ND
MET:							
Iron	300	8600	7700	3300	2300	2900	2200
Manganese	300	2440	1300	780	460	580	1600
Thallium	0.5	30.2	ND	ND	ND	ND	ND

MW-B1D	CRIT	9/10	12/11	6/13	12/14	12/15	12/17
MET:							
Iron	300	1700	2600	4300	BC	BC	2500

MW-07S	CRIT	9/10	12/11	6/13	12/14	12/15	12/17
MET:							
Iron	300	8470	BC	BC	360	360	430
Manganese	300	5340	BC	BC	BC	BC	BC
Thallium	0.5	32.3	ND	ND	ND	ND	ND

MW-07I	CRIT	9/10	12/11	6/13	12/14	12/15	12/17
MET:							
Iron	300	391	740	370	1200	340	BC
Manganese	300	861	670	420	590	480	BC
Thallium	0.5	14.1	ND	ND	ND	ND	ND

MW-B3S	CRIT	9/10	12/11	6/13	12/14	12/15	12/17
MET:							
Manganese	300	BC	390	320	980	940	850
Thallium	0.5	5.5	ND	ND	ND	ND	ND

MW-05D	CRIT	9/10	12/11	6/13	12/14	12/15	12/17
MET:							
Iron	300	416	3800	1100	310	BC	ND
Manganese	300	BC	670	BC	BC	BC	BC
Thallium	0.5	8.4	ND	ND	ND	ND	ND

MW-B3D	CRIT	9/10	12/11	6/13	12/14	12/15	12/17
MET:							
Manganese	300	BC	500	530	2800	2100	BC
Thallium	0.5	7.7	ND	ND	ND	ND	ND

MW-05S	CRIT	9/10	12/11	6/13	12/14	12/15	12/17
SVOCs:							
2,6-Dinitrotoluene	5	ND	ND	ND	7.6	ND	ND
MET:							
Iron	300	419	450	BC	BC	BC	BC
Manganese	300	3460	870	BC	BC	BC	1200
Thallium	0.5	40.2	ND	ND	ND	ND	ND

MW-04I	CRIT	9/10	12/11	6/13	12/14	12/15	12/17
MET:							
Iron	300	ND	BC	310	330	BC	BC
Manganese	300	651	1200	2800	3300	2800	1800
Thallium	0.5	11.8	ND	ND	ND	ND	ND

MW-05I	CRIT	9/10	12/11	6/13	12/14	12/15	12/17
MET:							
Iron	300	ND	BC	BC	390	BC	BC
Thallium	0.5	6.7	ND	ND	ND	ND	ND

MW-04S	CRIT	9/10	12/11	6/13	12/14	12/15	12/17
MET:							
Arsenic	25	109	100	170	190	190	120
Iron	300	9780	9000	14200	15500	16600	10700
Manganese	300	3680	4200	3900	4700	5200	5400
Thallium	0.5	18.9	ND	ND	ND	ND	ND

MW-03S	CRIT	9/10	12/11	6/13	12/14	12/15	12/17
MET:							
Iron	300	2390	1100	650	1100	750	980
Manganese	300	2230	1300	1000	720	520	2300
Thallium	0.5	12.9	ND	ND	ND	ND	ND

MW-03I	CRIT	9/10	12/11	6/13	12/14	12/15	12/17
MET:							
Iron	300	BC	750	BC	550	BC	BC

Legend

- Monitoring Well
- Site Boundary
- Fence
- Treeline

Sample ID — Sample Date

MW-B1D	CRIT	9/10
Metals:		
Iron	300	2600

Compound — Criteria (TOGS) — Result (UG/L)

NOTES:
ND - Non Detect
BC - Below Criteria
NS - Not Sampled

150 0 150 Feet

URS

KERRY CHEMICAL COMPANY
HISTORICAL GROUNDWATER EXCEEDANCES

FIGURE 6

APPENDIX A

PHOTOGRAPHIC LOG

KERRY CHEMICAL
2017 SITE MANAGEMENT
PHOTOGRAPHIC LOG

Photo 1: 12/4/17 Looking northeast at MW-03S.

Photo 2: 12/4/17 Looking west at MW-B3S and MW-B3D

KERRY CHEMICAL
2017 SITE MANAGEMENT
PHOTOGRAPHIC LOG

Photo 3: 12/4/17 Looking northwest towards MW-B3S and MW-B3D.

Photo 4: 12/4/17 Looking east towards MW-05S, MW-05I and MW-05D.

KERRY CHEMICAL
2017 SITE MANAGEMENT
PHOTOGRAPHIC LOG

Photo 5: 12/4/17 Looking south at MW-05I.

Photo 6: 12/4/17 Looking north-northeast along Cadosia Creek towards MW-07S and MW-07I.

KERRY CHEMICAL
2017 SITE MANAGEMENT
PHOTOGRAPHIC LOG

Photo 7: 12/4/17 Looking south at site along Cadosia Creek.

Photo 8: 12/5/17 Looking northeast at site MW-10I and MW-10D being sampled.

APPENDIX B

FIELD NOTES

AECOM

Page 1 of 1

Job NYSOGC / Kearny Chem | Project No. 60415171 | Sheet ____ of ____

Description ____ | Computed by ____ | Date 12/4/17

____ | Checked by ____ | Date ____

Reference

400°F, Foo

07:30 KSM & SC ON-SITE, BEGAN TO SCOPE OUT & INSTALL FLAGS AT WORK ROW

08:00 - (CHRISTOPHER KEENAN (NYSOGC) ON-SITE,

09:00 - BEGAN BAILING MW-B1S & MW-B1D

10:00 - NYSOGC OFF-SITE

10:30 - FINISHED BAILING MW B1S & MW-B1D, BEGAN TO SET UP @ MW-03S & MW-03I

11:15 - BEGAN SAMPLING MW-03S & MW-03I

12:30 - FINISHED SAMPLING MW-03S & MW-03I, BEGAN SAMPLING MW-04S & MW-04I

13:45 - " " MW-04S & MW-04I, " " MW-B3S & MW-B3D

14:55 - " " MW-B3S & MW-B3D " " MW-05S, MW-05I & MW-05D

16:00 - COMPLETED DFC EQUIP BLANK ER-120417

16:30 FINISHED SAMPLING MW-05S, MW-05I & MW-05D, BEGAN CLEAN-UP

17:00 - KSM & SC OFF SITE

AECOM

Page 1 of 1

Job ~~NYSDEC~~ Kenny Chen NYSDEC — Project No. 60415171 — Sheet ___ of ___

Description ___ — Computed by ___ — Date 12/5/17

Checked by ___ — Date ___

Reference

YSI Omnia

07:20 – jcsm + SC on-site, began to set up MW-07S + MW-07I, and securing flags @ MW-03 pair, MW-04 pair, MW-B30 pair & MW-05 triplet

07:50 – Began sampling MW-07 + MW-07I

09:00 – Finished " " ", began sampling MW-10S, MW-10I + MW-10D

10:20 – " " MW-10S, MW-10I + MW-10D, began sampling MW-09S

10:40 – Finished sampling MW-09S, resumed sampling MW-B1S + MW-B1D

11:30 – Finished sampling MW-B1S + MW-B1D, securing remaining flags + began cleanup

12:30 – jcsm + SC off site.

APPENDIX C

WELL PURGE LOGS

WELL PURGE LOG

URS Corporation

PROJECT TITLE: Former Kerry Chemical Site WELL NO.: MW- B1S

PROJECT NO.: 60415171 - 11176852.00004 Page: 1 of 1

STAFF: K. McGovern, S. Connelly

DATE(S): 12/4/17, 12/5/17

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	15.14	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	11.90	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	3.24	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	0.55	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x 3)	=	1.65	6"	1.50
7. VOLUME OF WATER REMOVED (GAL.)	=	1.0	8"	2.60

OR

$V=0.0408 \times (\text{CASING DIAMETER})^2$

ACCUMULATED VOLUME PURGED (GALLONS)

	12/4/17			12/5/17							
Time	915	930	945	1115							
PARAMETERS	Init	0.5 Gal	1.0 Gal	Sample							
pH	8.71	8.82	8.81								
SPEC. COND. (mS/cm)	0.140	0.139	0.125								
TEMPERATURE (°C)	8.00	9.80	9.00								
TURBIDITY (NTU)	311	605	1197								
DO (mg/L)	50	48.1	4.48								
ORP (mV)	111	42.4	42	Dry After Sample							

COMMENTS: Well purged using dedicated/disposable PVC bailer.
Well was bailed dry on 12/4/17. Returned on 12/5/17 to collect sample.

Sample ID - MW-B1S
Time - 1115
Water Level (11.91) - ft.

WELL PURGE LOG

URS Corporation

PROJECT TITLE: Former Kerry Chemical Site WELL NO.: MW- B1D

PROJECT NO.: 60415171 - 11176852.00004 Page: 1 of 1

STAFF: K. McGovern, S. Connelly

DATE(S): 12/4/17, 12/5/17

			WELL ID.	VOL. (GAL/FT)
1. TOTAL CASING AND SCREEN LENGTH (FT.)	=	53.80	1"	0.04
2. WATER LEVEL BELOW TOP OF CASING (FT.)	=	19.97	2"	0.17
3. NUMBER OF FEET STANDING WATER (#1 - #2)	=	33.83	3"	0.38
4. VOLUME OF WATER/FOOT OF CASING (GAL.)	=	0.17	4"	0.66
5. VOLUME OF WATER IN CASING (GAL.)(#3 x #4)	=	5.75	5"	1.04
6. VOLUME OF WATER TO REMOVE (GAL.)(#5 x 3)	=	17.25	6"	1.50
7. VOLUME OF WATER REMOVED (GAL.)	=	8.0	8"	2.60

OR

$V=0.0408 \times (\text{CASING DIAMETER})^2$

ACCUMULATED VOLUME PURGED (GALLONS)

	12/4/17					12/5/17					
Time	929	935	940	1000	1010	1110					
PARAMETERS	Init	2 Gal	4 Gal	6 Gal	8 Gal	Sample					
pH	10.68	10.32	10.47	9.40	9.72	9.30					
SPEC. COND. (mS/cm)	0.117	0.103	0.106	0.110	0.117	0.120					
TEMPERATURE (°C)	8.40	9.50	8.70	8.50	8.50	10.06					
TURBIDITY (NTU)	78.1	48.2	39.6	326.9	195.3	76.7					
DO (mg/L)	8.52	9.15	7.44	9.18	8.79	8.19					
ORP (mV)	151	52	102	53	85	117					

COMMENTS: Well purged using dedicated/disposable PVC bailer.
Well was bailed dry on 12/4/17. Returned on 12/5/17 to collect sample.

Sample ID - MW-B1D
Time - 1110
Water Level (20.04) - ft.

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60415171 - 11176852.00004 Site: Former Kerry Chemical Well ID.: MW-B3S

Sampling Personnel: K. McGovern, S. Connelly Date: 12/4/2017 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE/Silicone Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 7.52 Depth to Well Bottom: 32.01 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 15.1 Estimated Purge Volume (liters): 12.0

Sample ID: MW-B3S Sample Time: 1430 QA/QC: FD-120417

Sample Parameters: TCL VOCs plus TICs, TCL SVOCs plus TICs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1355	8.14	9.8	0.170	1.08	37.8	142.0	400	8.45
1400	8.27	9.9	0.169	0.37	43.4	140.0	400	8.54
1405	7.88	9.9	0.141	0.97	62.1	141.5	400	8.60
1410	7.10	9.9	0.116	2.09	71.6	146.9	400	8.63
1415	6.67	9.9	0.099	1.73	18.5	154.7	400	8.64
1420	6.56	10.0	0.094	1.42	14.2	159.1	400	8.65
1425	6.51	10.0	0.092	1.25	9.8	162.7	400	8.65
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft.; 1 inch diameter well = 154 ml/ft.; 2 inch diameter well = 617 ml/ft.; 4 inch diameter well = 2470 ml/ft. ($vol_{cyl} = \pi r^2 h$)

Comments:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60415171 - 11176852.00004 Site: Former Kerry Chemical Well ID.: MW-B3D

Sampling Personnel: K. McGovern, S. Connelly Date: 12/4/2017 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE/Silicone Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 7.45 Depth to Well Bottom: 50.43 Well Diameter: 2" Screen Length: 10'

Casing Type: PVC Volume in 1 Well Casing (liters): 26.5 Estimated Purge Volume (liters): 10.5

Sample ID: MW-B3D Sample Time: 1425 QA/QC: MS/MSD

Sample Parameters: TCL VOCs plus TICs, TCL SVOCs plus TICs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1350	11.38	9.1	0.160	6.01	14.8	37.5	300	8.39
1355	11.51	9.3	0.160	5.28	10.0	50.3	300	9.40
1400	11.53	9.2	0.160	4.42	5.2	54.5	300	9.84
1405	11.46	9.3	0.160	3.74	2.9	56.6	300	10.05
1410	11.36	9.2	0.160	2.21	1.1	57.1	300	10.25
1415	11.44	9.2	0.160	1.55	0.7	54.8	300	10.39
1420	11.41	9.2	0.160	1.38	0.5	53.3	300	10.50
1425	11.42	9.2	0.160	1.16	0.1	51.9	300	10.61
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft.; 1 inch diameter well = 154 ml/ft.; 2 inch diameter well = 617 ml/ft.; 4 inch diameter well = 2470 ml/ft. ($vol_{cyl} = \pi r^2 h$)

Comments:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60415171 - 11176852.00004 Site: Former Kerry Chemical Well ID.: MW-03S

Sampling Personnel: K. McGovern, S. Connelly Date: 12/4/2017 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE/Silicone Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 4.67 Depth to Well Bottom: 18.35 Well Diameter: 2" Screen Length: 10'

Casing Type: Stainless Steel Volume in 1 Well Casing (liters): 8.4 Estimated Purge Volume (liters): 17.0

Sample ID: MW-03S Sample Time: 1205 QA/QC: --

Sample Parameters: TCL VOCs plus TICs, TCL SVOCs plus TICs, TAL Metals, PFCs, 1,4-Dioxane

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1130	7.54	9.1	0.161	0.47	89.8	126.1	300	4.82
1135	7.24	9.1	0.160	0.22	43.0	112.8	300	4.91
1140	7.11	9.2	0.160	0.10	26.5	94.6	400	4.91
1145	7.10	9.2	0.160	0.08	24.1	89.3	400	4.91
1150	7.09	9.2	0.160	0.05	20.9	9.2	400	4.91
1155	7.09	9.3	0.161	0.03	17.6	71.3	400	4.91
1200	7.08	9.3	0.162	0.01	14.9	62.1	400	4.91
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft.; 1 inch diameter well = 154 ml/ft.; 2 inch diameter well = 617 ml/ft.; 4 inch diameter well = 2470 ml/ft. ($vol_{cyl} = \pi r^2 h$)

Comments:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60415171 - 11176852.00004 Site: Former Kerry Chemical Well ID.: MW-03I

Sampling Personnel: K. McGovern, S. Connelly Date: 12/4/2017 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE/Silicone Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 2.43 Depth to Well Bottom: 62.40 Well Diameter: 2" Screen Length: 10'

Casing Type: Stainless Steel Volume in 1 Well Casing (liters): 37.0 Estimated Purge Volume (liters): 12.0

Sample ID: MW-03I Sample Time: 1150 QA/QC: --

Sample Parameters: TCL VOCs plus TICs, TCL SVOCs plus TICs, TAL Metals, PFCs, 1,4-Dioxane

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1120	8.66	9.2	0.178	1.58	11.1	196.7	400	3.79
1125	12.09	9.2	0.177	0.92	48.8	197.2	400	4.15
1130	12.20	9.1	0.177	0.89	40.6	191.1	400	4.15
1135	12.23	9.1	0.177	0.83	31.4	189.9	400	4.15
1140	12.26	9.1	0.177	0.79	23.4	188.5	400	4.15
1145	12.28	9.2	0.177	0.77	27.3	187.2	400	4.15
1150	12.26	9.2	0.177	0.75	24.5	186.2	400	4.15
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft.; 1 inch diameter well = 154 ml/ft.; 2 inch diameter well = 617 ml/ft.; 4 inch diameter well = 2470 ml/ft. ($vol_{cyl} = \pi r^2 h$)

Comments:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60415171 - 11176852.00004 Site: Former Kerry Chemical Well ID.: MW-04S

Sampling Personnel: K. McGovern, S. Connelly Date: 12/4/2017 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE/Silicone Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 6.91 Depth to Well Bottom: 16.85 Well Diameter: 2" Screen Length: 10'

Casing Type: Stainless Steel Volume in 1 Well Casing (liters): 6.1 Estimated Purge Volume (liters): 9.0

Sample ID: MW-04S Sample Time: 1315 QA/QC: --

Sample Parameters: TCL VOCs plus TICs, TCL SVOCs plus TICs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1245	10.04	10.8	0.189	1.50	760.0	-65.2	300	7.11
1250	10.22	10.8	0.188	1.11	333.0	-71.1	300	7.11
1255	10.83	10.8	0.185	0.85	56.0	-81.4	300	7.11
1300	10.92	10.8	0.185	0.80	46.3	-84.0	300	7.11
1305	10.90	10.9	0.185	0.76	43.2	-87.9	300	7.11
1310	10.87	10.9	0.185	0.72	24.6	-91.8	300	7.11
1315	10.84	10.9	0.185	0.72	23.3	-92.2	300	7.11
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft.; 1 inch diameter well = 154 ml/ft.; 2 inch diameter well = 617 ml/ft.; 4 inch diameter well = 2470 ml/ft. ($vol_{cyl} = \pi r^2 h$)

Comments:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60415171 - 11176852.00004 Site: Former Kerry Chemical Well ID.: MW-04I

Sampling Personnel: K. McGovern, S. Connelly Date: 12/4/2017 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE/Silicone Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 5.84 Depth to Well Bottom: 45.79 Well Diameter: 2" Screen Length: 10'

Casing Type: Stainless Steel Volume in 1 Well Casing (liters): 24.6 Estimated Purge Volume (liters): 17.2

Sample ID: MW-04I Sample Time: 1330 QA/QC: --

Sample Parameters: TCL VOCs plus TICs, TCL SVOCs plus TICs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1242	7.96	10.3	0.175	1.77	11.8	134.1	400	NA*
1245	8.02	10.3	0.175	0.45	15.3	130.7	400	NA*
1250	8.04	10.3	0.176	0.26	17.2	129.1	400	8.46
1255	8.05	10.2	0.175	0.10	22.2	124.6	400	9.46
1300	8.04	10.6	0.174	0.13	23.7	122.6	400	8.57
1305	8.04	10.5	0.175	0.10	21.0	119.4	400	8.54
1310	8.09	10.2	0.175	0.16	7.4	121.1	400	8.59
1320	8.03	10.2	0.175	0.13	7.0	118.2	400	9.37
1325	8.03	10.1	0.175	0.06	8.8	116.2	400	9.59
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft.; 1 inch diameter well = 154 ml/ft.; 2 inch diameter well = 617 ml/ft.; 4 inch diameter well = 2470 ml/ft. ($vol_{cyl} = \pi r^2 h$)

Comments: * - Water level reading problems

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60415171 - 11176852.00004 Site: Former Kerry Chemical Well ID.: MW-05S

Sampling Personnel: K. McGovern, S. Connelly Date: 12/4/2017 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE/Silicone Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 7.11 Depth to Well Bottom: 17.30 Well Diameter: 2" Screen Length: 10'

Casing Type: Stainless Steel Volume in 1 Well Casing (liters): 6.3 Estimated Purge Volume (liters): 12.0

Sample ID: MW-05S Sample Time: 1635 QA/QC: --

Sample Parameters: TCL VOCs plus TICs, TCL SVOCs plus TICs, TAL Metals, PFCs, 1,4-Dioxane

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1605	7.75	9.8	0.151	2.71	8.7	175.6	400	7.39
1610	6.54	10.2	0.146	0.20	4.7	181.0	400	7.43
1615	6.52	10.2	0.146	0.14	5.5	181.5	400	7.46
1620	6.49	10.1	0.140	0.08	3.3	183.0	400	7.49
1625	6.45	10.0	0.130	0.07	1.9	184.5	400	7.49
1630	6.41	9.9	0.126	0.06	1.3	186.1	400	7.49
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft.; 1 inch diameter well = 154 ml/ft.; 2 inch diameter well = 617 ml/ft.; 4 inch diameter well = 2470 ml/ft. ($vol_{cyl} = \pi r^2 h$)

Comments:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60415171 - 11176852.00004 Site: Former Kerry Chemical Well ID.: MW-05I

Sampling Personnel: K. McGovern, S. Connelly Date: 12/4/2017 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE/Silicone Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 4.43 Depth to Well Bottom: 47.31 Well Diameter: 2" Screen Length: 10'

Casing Type: Stainless Steel Volume in 1 Well Casing (liters): 26.5 Estimated Purge Volume (liters): 14.0

Sample ID: MW-05I Sample Time: 1540 QA/QC: --

Sample Parameters: TCL VOCs plus TICs, TCL SVOCs plus TICs, TAL Metals, PFCs, 1,4-Dioxane

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1505	7.80	10.0	0.168	2.02	1.6	178.0	400	5.65
1510	8.01	10.0	0.168	1.86	1.5	176.5	400	6.46
1515	8.18	10.0	0.169	1.70	1.3	173.3	400	8.01
1520	8.25	10.0	0.168	1.52	0.9	171.2	400	9.09
1525	8.26	10.0	0.169	1.22	0.8	169.4	400	9.92
1530	8.29	9.9	0.169	1.00	0.6	167.3	400	10.48
1535	8.31	9.9	0.169	0.87	0.7	165.3	400	11.02
1540	8.26	9.9	0.168	0.63	0.5	150.1	400	11.71
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft.; 1 inch diameter well = 154 ml/ft.; 2 inch diameter well = 617 ml/ft.; 4 inch diameter well = 2470 ml/ft. ($vol_{cyl} = \pi r^2 h$)

Comments:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60415171 - 11176852.00004 Site: Former Kerry Chemical Well ID.: MW-05D

Sampling Personnel: K. McGovern, S. Connelly Date: 12/4/2017 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE/Silicone Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 6.70 Depth to Well Bottom: 89.80 Well Diameter: 2" Screen Length: 10'

Casing Type: Stainless Steel Volume in 1 Well Casing (liters): 51.3 Estimated Purge Volume (liters): 12.0

Sample ID: MW-05D Sample Time: 1540 QA/QC: --

Sample Parameters: TCL VOCs plus TICs, TCL SVOCs plus TICs, TAL Metals, PFCs, 1,4-Dioxane

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1510	10.36	9.7	0.189	2.74	0.0	126.8	400	6.90
1515	11.19	9.7	0.189	1.79	0.0	122.2	400	6.90
1520	11.34	9.7	0.189	1.61	0.0	118.3	400	6.90
1525	11.37	9.6	0.189	1.52	0.0	115.4	400	6.90
1530	11.34	9.6	0.189	1.38	0.0	113.2	400	6.90
1535	11.32	9.6	0.189	1.20	0.0	111.4	400	6.90
1540	11.30	9.6	0.189	1.09	0.0	109.9	400	6.90
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft.; 1 inch diameter well = 154 ml/ft.; 2 inch diameter well = 617 ml/ft.; 4 inch diameter well = 2470 ml/ft. ($vol_{cyl} = \pi r^2 h$)

Comments:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60415171 - 11176852.00004 Site: Former Kerry Chemical Well ID.: MW-07S

Sampling Personnel: K. McGovern, S. Connelly Date: 12/5/2017 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE/Silicone Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 8.20 Depth to Well Bottom: 16.93 Well Diameter: 2" Screen Length: 10'

Casing Type: Stainless Steel Volume in 1 Well Casing (liters): 5.4 Estimated Purge Volume (liters): 12.0

Sample ID: MW-07S Sample Time: 0820 QA/QC: --

Sample Parameters: TCL VOCs plus TICs, TCL SVOCs plus TICs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0750	6.00	10.1	0.246	4.62	41.2	242.5	400	8.32
0755	9.09	10.2	0.166	3.87	10.7	231.8	400	8.39
0800	9.00	10.2	0.165	3.75	4.6	229.3	400	8.39
0805	8.85	10.3	0.165	3.56	3.1	230.4	400	8.39
0810	8.78	10.3	0.166	3.13	1.7	231.6	400	8.39
0815	8.74	10.3	0.167	2.74	1.7	232.4	400	8.39
0820	8.74	10.3	0.168	2.51	1.2	232.4	400	8.39

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft.; 1 inch diameter well = 154 ml/ft.; 2 inch diameter well = 617 ml/ft.; 4 inch diameter well = 2470 ml/ft. ($vol_{cyl} = \pi r^2 h$)

Comments:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60415171 - 11176852.00004 Site: Former Kerry Chemical Well ID.: MW-07I

Sampling Personnel: K. McGovern, S. Connelly Date: 12/5/2017 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE/Silicone Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 4.29 Depth to Well Bottom: 46.77 Well Diameter: 2" Screen Length: 10'

Casing Type: Stainless Steel Volume in 1 Well Casing (liters): 26.2 Estimated Purge Volume (liters): 8.1

Sample ID: MW-07I Sample Time: 0820 QA/QC: --

Sample Parameters: TCL VOCs plus TICs, TCL SVOCs plus TICs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0750	8.29	10.1	0.185	5.53	1.5	208.9	300	5.40
0755	8.53	9.8	0.186	4.95	1.6	204.8	300	6.85
0800	8.56	9.8	0.186	4.84	1.8	201.0	300	9.40
0805	8.56	9.7	0.186	4.93	1.7	200.0	225	10.60
0810	8.56	9.8	0.185	5.15	1.7	199.5	225	10.80
0815	8.56	9.9	0.185	5.25	1.7	199.0	225	13.00
0820	8.56	9.9	0.186	5.35	1.6	198.7	225	14.50
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft.; 1 inch diameter well = 154 ml/ft.; 2 inch diameter well = 617 ml/ft.; 4 inch diameter well = 2470 ml/ft. ($vol_{cyl} = \pi r^2 h$)

Comments:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60415171 - 11176852.00004 Site: Former Kerry Chemical Well ID.: MW-09S

Sampling Personnel: K. McGovern, S. Connelly Date: 12/5/2017 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE/Silicone Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 5.81 Depth to Well Bottom: 27.96 Well Diameter: 2" Screen Length: 20'

Casing Type: Stainless Steel Volume in 1 Well Casing (liters): 13.7 Estimated Purge Volume (liters): 12.0

Sample ID: MW-09S Sample Time: 1040 QA/QC: --

Sample Parameters: TCL VOCs plus TICs, TCL SVOCs plus TICs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1010	7.76	8.7	0.106	1.53	5.2	-18.9	400	6.41
1015	7.52	8.8	0.105	1.11	3.6	-12.4	400	6.49
1020	7.32	8.8	0.105	0.90	14.5	-10.8	400	6.49
1025	7.02	8.8	0.104	0.84	5.9	-11.1	400	6.49
1030	6.84	8.7	0.104	0.81	6.4	-11.7	400	6.49
1035	6.71	8.7	0.104	0.79	6.3	-12.6	400	6.49
1040	6.75	8.7	0.104	0.78	6.0	-12.9	400	6.49
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft.; 1 inch diameter well = 154 ml/ft.; 2 inch diameter well = 617 ml/ft.; 4 inch diameter well = 2470 ml/ft. ($vol_{cyl} = \pi r^2 h$)

Comments:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60415171 - 11176852.00004 Site: Former Kerry Chemical Well ID.: MW-10S

Sampling Personnel: K. McGovern, S. Connelly Date: 12/5/2017 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE/Silicone Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 9.54 Depth to Well Bottom: 17.05 Well Diameter: 2" Screen Length: 10'

Casing Type: Stainless Steel Volume in 1 Well Casing (liters): 4.6 Estimated Purge Volume (liters): 10.5

Sample ID: MW-10S Sample Time: 1020 QA/QC: --

Sample Parameters: TCL VOCs plus TICs, TCL SVOCs plus TICs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0950	7.14	10.4	0.223	1.18	47.0	77.4	350	9.88
0955	6.82	10.4	0.234	0.18	26.0	36.9	350	10.35
1000	6.79	10.4	0.247	0.07	17.8	6.8	350	10.50
1005	6.78	10.5	0.243	0.02	13.6	9.1	350	10.50
1010	6.78	10.4	0.238	0.00	11.7	9.7	350	10.50
1015	6.78	10.5	0.233	0.00	12.2	7.8	350	10.50
1020	6.78	10.5	0.235	0.00	13.1	6.9	350	10.50

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft.; 1 inch diameter well = 154 ml/ft.; 2 inch diameter well = 617 ml/ft.; 4 inch diameter well = 2470 ml/ft. ($vol_{cyl} = \pi r^2 h$)

Comments:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60415171 - 11176852.00004 Site: Former Kerry Chemical Well ID.: MW-10I

Sampling Personnel: K. McGovern, S. Connelly Date: 12/5/2017 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE/Silicone Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 9.16 Depth to Well Bottom: 59.95 Well Diameter: 2" Screen Length: 10'

Casing Type: Stainless Steel Volume in 1 Well Casing (liters): 31.3 Estimated Purge Volume (liters): 10.0

Sample ID: MW-10I Sample Time: 0930 QA/QC: --

Sample Parameters: TCL VOCs plus TICs, TCL SVOCs plus TICs, TAL Metals, PFCs, 1,4-Dioxane

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0905	9.37	9.6	0.180	1.70	2.3	194.9	400	10.39
0910	9.65	9.6	0.179	1.34	1.5	193.0	400	11.62
0915	9.69	9.6	0.179	1.23	0.9	191.9	400	12.28
0920	9.67	9.5	0.178	1.17	0.5	190.7	400	12.73
0925	9.66	9.5	0.178	1.15	0.4	190.1	400	13.00
0930	9.64	9.4	0.178	1.05	0.1	186.9	400	13.52
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft.; 1 inch diameter well = 154 ml/ft.; 2 inch diameter well = 617 ml/ft.; 4 inch diameter well = 2470 ml/ft. ($vol_{cyl} = \pi r^2 h$)

Comments:

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 60415171 - 11176852.00004 Site: Former Kerry Chemical Well ID.: MW-10D

Sampling Personnel: K. McGovern, S. Connelly Date: 12/5/2017 Company: URS Corporation

Purging/ Sampling Device: Geopump Tubing Type: HDPE/Silicone Tubing Inlet: Screen Midpoint

Measuring Point: TOC Initial Depth to Water: 7.85 Depth to Well Bottom: 72.33 Well Diameter: 2" Screen Length: 10'

Casing Type: Stainless Steel Volume in 1 Well Casing (liters): 39.8 Estimated Purge Volume (liters): 12.0

Sample ID: MW-10D Sample Time: 0930 QA/QC: --

Sample Parameters: TCL VOCs plus TICs, TCL SVOCs plus TICs, TAL Metals

PURGE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	ORP (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
0900	8.29	9.7	0.164	1.57	2.8	190.0	400	8.09
0905	8.14	9.6	0.163	0.37	1.9	189.1	400	8.15
0910	8.14	9.6	0.163	0.15	1.6	188.5	400	8.75
0915	8.11	9.6	0.163	0.07	1.3	186.1	400	9.52
0920	8.11	9.6	0.163	0.03	3.2	187.0	400	10.42
0925	8.11	9.5	0.163	0.01	2.7	187.3	400	10.51
0930	8.10	9.5	0.163	0.00	2.7	186.9	400	10.59
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 10**	**---**	

Information: WATER VOLUMES--0.75 inch diameter well = 87 ml/ft.; 1 inch diameter well = 154 ml/ft.; 2 inch diameter well = 617 ml/ft.; 4 inch diameter well = 2470 ml/ft. ($vol_{cyl} = \pi r^2 h$)

Comments:

APPENDIX D

DATA USABILITY SUMMARY REPORT

DATA USABILITY SUMMARY REPORT

SITE MANAGEMENT
KERRY CHEMICAL COMPANY
HANCOCK, NEW YORK
WORK ASSIGNMENT NO. D007622-13
SITE ID NO. 413001

Analyses Performed by:

TESTAMERICA LABORATORIES, INC.
AMHERST, NEW YORK; EDISON, NEW JERSEY; AND
SACRAMENTO, CALIFORNIA

Prepared for:

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL REMEDIATION

Prepared by:

URS CORPORATION
257 WEST GENESEE STREET, SUITE 400
BUFFALO, NY 14202-2657

FEBRUARY 2018

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TABLES
(Following Text)

ATTACHMENTS

I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *DER-10, Technical Guidance for Site Investigation and Remediation, Appendix 2B - Guidance for Data Deliverables and the Development of Data Usability Summary Reports*, May 2010. Discussed in this DUSR are the analytical data for 17 groundwater samples, 1 field duplicate, 1 matrix spike/matrix spike duplicate (MS/MSD) pair, 1 equipment blank, and 1 trip blank collected on December 4-5, 2017. The samples were collected in support of the construction oversight task assigned to URS under NYSDEC Work Assignment Number D007622-13 for the Kerry Chemical Site (Site ID Number 413001) located in Hancock, New York.

II. ANALYTICAL METHODOLOGIES AND DATA VALIDATION PROCEDURES

The samples were sent to TestAmerica Laboratories, Inc. located in Amherst, New York, which is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory. The aliquots for VOCs and SVOC (SIM) analysis were forwarded on to the Edison, NJ laboratory for analysis. The aliquots for PFAA analysis were forwarded on to the Sacramento, CA laboratory for analysis. The samples were analyzed for the following parameters:

Parameter	**Method Number**
Target Compound List (TCL) Volatile Organic Compounds (VOCs) plus Tentatively Identified Compounds (TICs)	SW8260C
TCL Semivolatile Organic Compounds (SVOCs) plus TICs	SW8270D
1,4-Dioxane	SW8270D Selective Ion Monitoring (SIM)
Target Analyte List (TAL) Metals (23)	SW6010C/7470A
Per- and polyfluoroalkyl substances (PFASs)	Method 537-Modified

Not all samples were analyzed for all parameters.

A limited data validation was performed on the samples following the guidelines in the following USEPA Region II documents:

- *Validating Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8260B & 8260C*, SOP HW-24, Revision 4, October 2014;
- *Validating Semivolatile Organic Compounds by Gas Chromatography/Mass Spectrometry SW-846 Method 8270D*, SOP HW-22, Revision 4, August 2008;
- *ICP-AES Data Validation*, SOP HW-2a, Revision 15, December 2012; and
- *Mercury and Cyanide Data Validation*, SOP HW-2c, Revision 15, December 2012.

The limited data review included a review of completeness of all required deliverables; holding times; QC results (blanks, instrument tunes, calibration standards, MS/MSD recoveries, duplicate precision, and laboratory control sample recoveries) to determine if the data are within the protocol-required QC limits and specifications; a determination that all samples were analyzed using established and agreed upon analytical protocols; an evaluation of the raw data to confirm the results provided in the data summary sheets; and a review of laboratory data qualifiers.

Qualifications applied to the data during the limited data validation include 'J' (estimated concentration), 'UJ' (estimated quantitation limit), and 'U' (non-detect). Definitions of USEPA data qualifiers are presented at the end of this text. A summary of data qualifications is presented on Table 1. The validated analytical results are presented on Table 2 (groundwater) and Table 3 (field QC). Copies of validated Form 1s have been presented in Attachment A. Documentation supporting the qualification of data is presented in Attachment B. Only analytical deviations affecting data usability are discussed in this report.

III. DATA DELIVERABLE COMPLETENESS

A full deliverable data package (i.e., NYSDEC ASP Category B or equivalent) was provided by the laboratory, and included all reporting forms and raw data necessary to fully evaluate and verify the reported analytical results.

IV. SAMPLE RECEIPT/PRESERVATION/HOLDING TIMES

All samples were received by the laboratory intact, properly preserved, and under proper chain-of-custody (COC), and were analyzed within the required holding times with the following exception:

The COC for the 1,4-dioxane and PFAA analyses had sample MW-03S incorrectly listed as MW-03D.

V. NON-CONFORMANCES

Instrument Calibration

The percent differences (%D) between the initial calibration (ICAL) average relative response factors (RRF) and the RRFs in the continuing calibration (CCAL) standards were greater than 20% for VOCs 1,2-dibromo-3-chloropropane and bromoform. The results for these compounds were qualified 'UJ' in the associated samples, as listed in Table 1.

Surrogates

The percent recoveries (%R) of SVOC acid-phenolic surrogates 2-fluorophenol and phenol-d_5 were below the lower QC limit in sample MW-04I. The sample was re-extracted, outside of the holding time (HT), and showed acceptable surrogate %Rs. Since the re-extraction occurred outside of the HT, the results for the initial analysis have been reported. The associated acid-phenolic compounds were qualified 'UJ' in this sample.

Method Blanks/Equipment Blanks

Perfluorohexanesulfonic acid (PFHxS) and perfluorobutanoic acid (PFBA) were detected in the laboratory method blank and/or equipment blank at a concentration less than the reporting limit (RL). Those samples that had detected concentrations of these compounds less than the RL were qualified 'U' at the RL. The associated samples have been listed on Table 1.

VI. SAMPLE RESULTS AND REPORTING

All sample results were reported in accordance with method requirements. Results reported below the RL, but greater than the method detection limit (MDL), were qualified 'J' by the laboratory.

A field duplicate sample was collected at monitoring well location MW-B3S. Generally, similar detections and concentrations were observed in the sample and the respective field duplicate, thus exhibiting good field/analytical precision with the following exception: The relative percent difference (RPD) for manganese (Mn) exceeded the QC limit of 20%. The results for Mn in both the sample and field duplicate have been qualified 'J' as listed on Table 1.

Those results being reported from a secondary dilution have been qualified 'D'.

The SVOC TICs that are attributed to column bleed (i.e., siloxanes) were crossed off in the samples. VOC target compounds (toluene, chlorobenzene, and/or xylenes) were reported as a SVOC TIC in several samples, they were crossed off during the data review.

VII. SUMMARY

All sample analyses were found to be compliant with the method criteria, except where previously noted. Those results qualified 'J' (estimated concentration), 'UJ' (estimated quantitation limit), and 'U' (non-detect) during the data review are considered conditionally usable. All other sample results are usable as reported. URS does not recommend the re-collection of any samples at this time.

Prepared By: Ann Marie Kropovitch, Chemist **Date:** 2/19/18

Reviewed By: Peter R. Fairbanks, Senior Chemist for PRF **Date:** 2/19/18

DEFINITIONS OF USEPA REGION II DATA QUALIFIERS

U – The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J – The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ – The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

D – The sample result was reported from a secondary dilution analysis.

TABLE 1
SUMMARY OF DATA QUALIFICATIONS
KERRY CHEMICAL

SAMPLE ID	FRACTION	ANALYTICAL DEVIATION	QUALIFICATION
All samples	VOC	%D between the ICAL average RRF and the CCAL RRF >20% for 1,2-dibromo-3-chloropropane and bromoform.	Qualify non-detect results 'UJ'.
MW-04I	SVOC	Surrogate %Rs of 2-fluorophenol and phenol-d_5 were below the lower QC limit.	Qualify acid-phenolic non-detect results 'UJ'.
MW-B3S and FD-120417	METALS	Field duplicate RPD > 20% for Mn.	Qualify detected results 'J'.
All samples	PFASs	MBLK/EB contamination >MDL but <RL for PFHxS.	Qualify detected result 'U' at RL.
MW-03S, MW-05D, MW-05S, and MW-B1S	PFASs	EB contamination >MDL but <RL for PFBA.	Qualify detected result 'U' at RL.

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-03I	MW-03S	MW-04I	MW-04S	MW-05D
Sample ID		MW-03I	MW-03S	MW-04I	MW-04S	MW-05D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/04/17	12/04/17	12/04/17	12/04/17	12/04/17
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	UG/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (cis)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (trans)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (cis)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (trans)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	UG/L	2.4 J	3.1 J	2.6 J	2.7 J	5.0 U
Benzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-03I	MW-03S	MW-04I	MW-04S	MW-05D
Sample ID		MW-03I	MW-03S	MW-04I	MW-04S	MW-05D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/04/17	12/04/17	12/04/17	12/04/17	12/04/17
Parameter	Units					
Volatile Organic Compounds						
Bromoform	UG/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Bromomethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl ethyl ketone (2-Butanone)	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl tert-butyl ether	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylcyclohexane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Flags assigned during chemistry validation are shown

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-03I	MW-03S	MW-04I	MW-04S	MW-05D
Sample ID		MW-03I	MW-03S	MW-04I	MW-04S	MW-05D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/04/17	12/04/17	12/04/17	12/04/17	12/04/17
Parameter	Units					
Volatile Organic Compounds						
Vinyl chloride	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	UG/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Semivolatile Organic Compounds						
1,1-Biphenyl	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,4-Dioxane	UG/L	0.41 U	0.40 U	NA	NA	0.45 U
2,2-oxybis(1-Chloropropane)	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	UG/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
2,4,6-Trichlorophenol	UG/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
2,4-Dichlorophenol	UG/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
2,4-Dimethylphenol	UG/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
2,4-Dinitrophenol	UG/L	10 U	10 U	10 UJ	10 U	10 U
2,4-Dinitrotoluene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	UG/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
2-Methylnaphthalene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Methylphenol (o-cresol)	UG/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
2-Nitroaniline	UG/L	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	UG/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
3,3-Dichlorobenzidine	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	UG/L	10 U	10 U	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	UG/L	10 U	10 U	10 UJ	10 U	10 U
4-Bromophenyl-phenylether	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-03I	MW-03S	MW-04I	MW-04S	MW-05D
Sample ID		MW-03I	MW-03S	MW-04I	MW-04S	MW-05D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/04/17	12/04/17	12/04/17	12/04/17	12/04/17
Parameter	Units					
Semivolatile Organic Compounds						
4-Chloro-3-methylphenol	UG/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
4-Chloroaniline	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Chlorophenyl-phenylether	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methylphenol (p-cresol)	UG/L	10 U	10 U	10 UJ	10 U	10 U
4-Nitroaniline	UG/L	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	UG/L	10 U	10 U	10 UJ	10 U	10 U
Acenaphthene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acenaphthylene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetophenone	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Anthracene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Atrazine	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzaldehyde	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(a)pyrene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(b)fluoranthene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(g,h,i)perylene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Benzo(k)fluoranthene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethyl)ether	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
bis(2-Ethylhexyl)phthalate	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Butylbenzylphthalate	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Caprolactam	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Carbazole	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-03I	MW-03S	MW-04I	MW-04S	MW-05D
Sample ID		MW-03I	MW-03S	MW-04I	MW-04S	MW-05D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/04/17	12/04/17	12/04/17	12/04/17	12/04/17
Parameter	Units					
Semivolatile Organic Compounds						
Chrysene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibenz(a,h)anthracene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dibenzofuran	UG/L	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dimethylphthalate	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Di-n-butylphthalate	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Di-n-octylphthalate	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Fluoranthene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Fluorene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Hexachlorobenzene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Hexachlorobutadiene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Hexachlorocyclopentadiene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Hexachloroethane	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Indeno(1,2,3-cd)pyrene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isophorone	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Naphthalene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Nitrobenzene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
N-Nitroso-di-n-propylamine	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
N-Nitrosodiphenylamine	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Pentachlorophenol	UG/L	10 U	10 U	10 UJ	10 U	10 U
Phenanthrene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Phenol	UG/L	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
Pyrene	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-03I	MW-03S	MW-04I	MW-04S	MW-05D
Sample ID		MW-03I	MW-03S	MW-04I	MW-04S	MW-05D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/04/17	12/04/17	12/04/17	12/04/17	12/04/17
Parameter	Units					
Metals						
Aluminum	UG/L	200 U	200 U	80 J	200 U	200 U
Antimony	UG/L	20 U	20 U	20 U	20 U	20 U
Arsenic	UG/L	15 U	5.8 J	15 U	120	15 U
Barium	UG/L	100	180	180	750	110
Beryllium	UG/L	2 U	2 U	2 U	2 U	2 U
Cadmium	UG/L	2 U	2 U	2 U	2 U	2 U
Calcium	UG/L	22,300	22,600	24,500	14,000	23,100
Chromium	UG/L	5.3	4 U	4 U	2.2 J	3.7 J
Cobalt	UG/L	4 U	1.1 J	4 U	4 U	4 U
Copper	UG/L	10 U	10 U	10 U	10 U	10 U
Iron	UG/L	25 J	980	110	10,700	50 U
Lead	UG/L	10 U	10 U	10 U	3.8 J	3 J
Magnesium	UG/L	3,700	4,300	5,000	2,000	4,800
Manganese	UG/L	110	2,300	1,800	5,400	11
Mercury	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	UG/L	10 U	10 U	1.5 J	10 U	10 U
Potassium	UG/L	910	1,000	890	1,100	940
Selenium	UG/L	25 U	25 U	25 U	25 U	25 U
Silver	UG/L	6 U	6 U	6 U	6 U	6 U
Sodium	UG/L	9,200	2,900	3,500	10,400	9,400
Thallium	UG/L	20 U	20 U	20 U	20 U	20 U
Vanadium	UG/L	5 U	5 U	5 U	5 U	5 U
Zinc	UG/L	2.7 J	2.8 J	2.6 J	4.5 J	10 U

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-03I	MW-03S	MW-04I	MW-04S	MW-05D
Sample ID		MW-03I	MW-03S	MW-04I	MW-04S	MW-05D
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/04/17	12/04/17	12/04/17	12/04/17	12/04/17
Parameter	**Units**					
Per- and Polyfluoroalkyl Substances						
N-Methyl perfluorooctanesulfonamidoacetic acid (NMEFOSAA)	NG/L	19 U	20 U	NA	NA	20 U
Perfluorobutanesulfonic acid (PFBS)	NG/L	1.9 U	2.0 U	NA	NA	2.0 U
Perfluorobutanoic acid (PFBA)	NG/L	1.9 U	2.0 U	NA	NA	2.0 U
Perfluorodecane sulfonate (PFDS)	NG/L	1.9 U	2.0 U	NA	NA	2.0 U
Perfluorodecanoic acid (PFDA)	NG/L	1.9 U	2.0 U	NA	NA	2.0 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NETFOSAA)	NG/L	19 U	20 U	NA	NA	20 U
Perfluorododecanoic acid (PFDoA)	NG/L	1.9 U	2.0 U	NA	NA	2.0 U
Perfluoro-1-heptanesulfonate (PFHPS)	NG/L	1.9 U	2.0 U	NA	NA	2.0 U
Perfluoroheptanoic acid (PFHpA)	NG/L	1.9 U	2.0 U	NA	NA	2.0 U
Perfluorohexanesulfonic acid (PFHxS)	NG/L	1.9 U	2.0 U	NA	NA	2.0 U
Perfluorohexanoic acid (PFHxA)	NG/L	1.9 U	2.0 U	NA	NA	2.0 U
Perfluorononanoic acid (PFNA)	NG/L	1.9 U	2.0 U	NA	NA	2.0 U
Perfluorooctane sulfonamide (FOSA)	NG/L	1.9 U	2.0 U	NA	NA	2.0 U
Perfluorooctanesulfonic acid (PFOS)	NG/L	1.9 U	2.0 U	NA	NA	2.0 U
Perfluorooctanoic acid (PFOA)	NG/L	1.9 U	2.0 U	NA	NA	2.0 U
Perfluoropentanoic acid (PFPA)	NG/L	1.9 U	2.0 U	NA	NA	2.0 U
Perfluorotetradecanoic acid (PFTeA)	NG/L	1.9 U	2.0 U	NA	NA	2.0 U
Perfluorotridecanoic acid (PFTriA)	NG/L	1.9 U	2.0 U	NA	NA	2.0 U
Perfluoroundecanoic acid (PFUnA)	NG/L	1.9 U	2.0 U	NA	NA	2.0 U
6:2 Fluorotelomer sulfonate (62FTS)	NG/L	19 U	20 U	NA	NA	20 U
8:2 Fluorotelomer sulfonate (82FTS)	NG/L	19 U	20 U	NA	NA	20 U

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-05I	MW-05S	MW-07I	MW-07S	MW-09S
Sample ID		MW-05I	MW-05S	MW-07I	MW-07S	MW-09S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/04/17	12/04/17	12/05/17	12/05/17	12/05/17
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	UG/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (cis)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (trans)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (cis)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (trans)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	UG/L	2.5 J	3.4 J	2.9 J	5.0 U	2.9 J
Benzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-05I	MW-05S	MW-07I	MW-07S	MW-09S
Sample ID		MW-05I	MW-05S	MW-07I	MW-07S	MW-09S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/04/17	12/04/17	12/05/17	12/05/17	12/05/17
Parameter	Units					
Volatile Organic Compounds						
Bromoform	UG/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Bromomethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl ethyl ketone (2-Butanone)	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl tert-butyl ether	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylcyclohexane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-05I	MW-05S	MW-07I	MW-07S	MW-09S
Sample ID		MW-05I	MW-05S	MW-07I	MW-07S	MW-09S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/04/17	12/04/17	12/05/17	12/05/17	12/05/17
Parameter	Units					
Volatile Organic Compounds						
Vinyl chloride	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	UG/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Semivolatile Organic Compounds						
1,1-Biphenyl	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
1,4-Dioxane	UG/L	0.42 U	0.42 U	NA	NA	NA
2,2-oxybis(1-Chloropropane)	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
2,4-Dimethylphenol	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
2,4-Dinitrophenol	UG/L	10 U	11 U	10 U	10 U	10 U
2,4-Dinitrotoluene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
2-Chlorophenol	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
2-Methylnaphthalene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
2-Methylphenol (o-cresol)	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
2-Nitroaniline	UG/L	10 U	11 U	10 U	10 U	10 U
2-Nitrophenol	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
3,3-Dichlorobenzidine	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
3-Nitroaniline	UG/L	10 U	11 U	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	UG/L	10 U	11 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-05I	MW-05S	MW-07I	MW-07S	MW-09S
Sample ID		MW-05I	MW-05S	MW-07I	MW-07S	MW-09S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/04/17	12/04/17	12/05/17	12/05/17	12/05/17
Parameter	Units					
Semivolatile Organic Compounds						
4-Chloro-3-methylphenol	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
4-Chloroaniline	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
4-Chlorophenyl-phenylether	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
4-Methylphenol (p-cresol)	UG/L	10 U	11 U	10 U	10 U	10 U
4-Nitroaniline	UG/L	10 U	11 U	10 U	10 U	10 U
4-Nitrophenol	UG/L	10 U	11 U	10 U	10 U	10 U
Acenaphthene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Acenaphthylene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Acetophenone	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Anthracene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Atrazine	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Benzaldehyde	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Benzo(a)pyrene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Benzo(b)fluoranthene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Benzo(g,h,i)perylene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Benzo(k)fluoranthene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
bis(2-Chloroethyl)ether	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
bis(2-Ethylhexyl)phthalate	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Butylbenzylphthalate	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Caprolactam	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Carbazole	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-05I	MW-05S	MW-07I	MW-07S	MW-09S
Sample ID		MW-05I	MW-05S	MW-07I	MW-07S	MW-09S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/04/17	12/04/17	12/05/17	12/05/17	12/05/17
Parameter	Units					
Semivolatile Organic Compounds						
Chrysene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Dibenz(a,h)anthracene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Dibenzofuran	UG/L	10 U	11 U	10 U	10 U	10 U
Diethylphthalate	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Dimethylphthalate	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Di-n-butylphthalate	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Di-n-octylphthalate	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Fluoranthene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Fluorene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Hexachlorobenzene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Hexachlorobutadiene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Hexachlorocyclopentadiene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Hexachloroethane	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Indeno(1,2,3-cd)pyrene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Isophorone	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Naphthalene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Nitrobenzene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
N-Nitroso-di-n-propylamine	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
N-Nitrosodiphenylamine	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Pentachlorophenol	UG/L	10 U	11 U	10 U	10 U	10 U
Phenanthrene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Phenol	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U
Pyrene	UG/L	5.0 U	5.4 U	5.0 U	5.0 U	5.0 U

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-05I	MW-05S	MW-07I	MW-07S	MW-09S
Sample ID		MW-05I	MW-05S	MW-07I	MW-07S	MW-09S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/04/17	12/04/17	12/05/17	12/05/17	12/05/17
Parameter	Units					
Metals						
Aluminum	UG/L	200 U	200 U	200 U	200 U	240
Antimony	UG/L	20 U	20 U	20 U	20 U	20 U
Arsenic	UG/L	15 U	15 U	15 U	15 U	15 U
Barium	UG/L	39	140	40	120	54
Beryllium	UG/L	2 U	2 U	2 U	2 U	2 U
Cadmium	UG/L	2 U	2 U	2 U	2 U	2 U
Calcium	UG/L	25,100	18,000	26,700	27,200	15,400
Chromium	UG/L	4 U	4 U	21	4 U	4 U
Cobalt	UG/L	4 U	4 U	4 U	4 U	4 U
Copper	UG/L	10 U	10 U	2.2 J	10 U	10 U
Iron	UG/L	21 J	61	98	430	1,700
Lead	UG/L	10 U	10 U	10 U	10 U	10 U
Magnesium	UG/L	3,000	3,200	3,400	3,100	1,400
Manganese	UG/L	42	1,200	190	68	200
Mercury	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	UG/L	10 U	10 U	5.5 J	10 U	10 U
Potassium	UG/L	1,200	1,600	1,300	1,600	610
Selenium	UG/L	25 U	25 U	25 U	25 U	25 U
Silver	UG/L	6 U	6 U	6 U	6 U	6 U
Sodium	UG/L	3,800	1,200	7,800	1,700	1,100
Thallium	UG/L	20 U	20 U	20 U	20 U	20 U
Vanadium	UG/L	5 U	5 U	5 U	5 U	5 U
Zinc	UG/L	2 J	1.8 J	2.8 J	2.1 J	2 J

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-05I	MW-05S	MW-07I	MW-07S	MW-09S
Sample ID		MW-05I	MW-05S	MW-07I	MW-07S	MW-09S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/04/17	12/04/17	12/05/17	12/05/17	12/05/17
Parameter	Units					
Per- and Polyfluoroalkyl Substances						
N-Methyl perfluorooctanesulfonamidoacetic acid (NMEFOSAA)	NG/L	19 U	19 U	NA	NA	NA
Perfluorobutanesulfonic acid (PFBS)	NG/L	1.9 U	1.9 U	NA	NA	NA
Perfluorobutanoic acid (PFBA)	NG/L	1.9 U	1.9 U	NA	NA	NA
Perfluorodecane sulfonate (PFDS)	NG/L	1.9 U	1.9 U	NA	NA	NA
Perfluorodecanoic acid (PFDA)	NG/L	1.9 U	1.9 U	NA	NA	NA
N-Ethyl perfluorooctanesulfonamidoacetic acid (NETFOSAA)	NG/L	19 U	19 U	NA	NA	NA
Perfluorododecanoic acid (PFDoA)	NG/L	1.9 U	1.9 U	NA	NA	NA
Perfluoro-1-heptanesulfonate (PFHPS)	NG/L	1.9 U	1.9 U	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	NG/L	1.9 U	0.27 J	NA	NA	NA
Perfluorohexanesulfonic acid (PFHxS)	NG/L	1.9 U	1.9 U	NA	NA	NA
Perfluorohexanoic acid (PFHxA)	NG/L	1.9 U	1.9 U	NA	NA	NA
Perfluorononanoic acid (PFNA)	NG/L	1.9 U	1.9 U	NA	NA	NA
Perfluorooctane sulfonamide (FOSA)	NG/L	1.9 U	1.9 U	NA	NA	NA
Perfluorooctanesulfonic acid (PFOS)	NG/L	1.9 U	1.9 U	NA	NA	NA
Perfluorooctanoic acid (PFOA)	NG/L	1.9 U	1.9 U	NA	NA	NA
Perfluoropentanoic acid (PFPA)	NG/L	1.9 U	1.9 U	NA	NA	NA
Perfluorotetradecanoic acid (PFTeA)	NG/L	1.9 U	1.9 U	NA	NA	NA
Perfluorotridecanoic acid (PFTrA)	NG/L	1.9 U	1.9 U	NA	NA	NA
Perfluoroundecanoic acid (PFUnA)	NG/L	1.9 U	1.9 U	NA	NA	NA
6:2 Fluorotelomer sulfonate (62FTS)	NG/L	19 U	19 U	NA	NA	NA
8:2 Fluorotelomer sulfonate (82FTS)	NG/L	19 U	19 U	NA	NA	NA

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-10D	MW-10I	MW-10S	MW-B1D	MW-B1S
Sample ID		MW-10D	MW-10I	MW-10S	MW-B1D	MW-B1S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/05/17	12/05/17	12/05/17	12/05/17	12/05/17
Parameter	Units					
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	UG/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (cis)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (trans)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (cis)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (trans)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Hexanone	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	UG/L	3.9 J	3.3 J	4.3 J	5.0 U	4.7 J
Benzene	UG/L	1.0 U	1.0 U	0.31 J	1.0 U	1.0 U
Bromodichloromethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Flags assigned during chemistry validation are shown

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-10D	MW-10I	MW-10S	MW-B1D	MW-B1S
Sample ID		MW-10D	MW-10I	MW-10S	MW-B1D	MW-B1S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/05/17	12/05/17	12/05/17	12/05/17	12/05/17
Parameter	Units					
Volatile Organic Compounds						
Bromoform	UG/L	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Bromomethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon disulfide	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl acetate	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl ethyl ketone (2-Butanone)	UG/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl tert-butyl ether	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylcyclohexane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene chloride	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	UG/L	1.0 U	1.0 U	0.31 J	1.0 U	1.0 U
Trichloroethene	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-10D	MW-10I	MW-10S	MW-B1D	MW-B1S
Sample ID		MW-10D	MW-10I	MW-10S	MW-B1D	MW-B1S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/05/17	12/05/17	12/05/17	12/05/17	12/05/17
Parameter	Units					
Volatile Organic Compounds						
Vinyl chloride	UG/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylene (total)	UG/L	2.0 U	2.0 U	0.36 J	2.0 U	2.0 U
Semivolatile Organic Compounds						
1,1-Biphenyl	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
1,4-Dioxane	UG/L	NA	0.41 U	NA	0.41 U	0.42 U
2,2-oxybis(1-Chloropropane)	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
2,4,5-Trichlorophenol	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
2,4,6-Trichlorophenol	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
2,4-Dichlorophenol	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
2,4-Dimethylphenol	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
2,4-Dinitrophenol	UG/L	10 U	10 U	50 U	10 U	50 U
2,4-Dinitrotoluene	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
2,6-Dinitrotoluene	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
2-Chloronaphthalene	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
2-Chlorophenol	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
2-Methylnaphthalene	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
2-Methylphenol (o-cresol)	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
2-Nitroaniline	UG/L	10 U	10 U	50 U	10 U	50 U
2-Nitrophenol	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
3,3-Dichlorobenzidine	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
3-Nitroaniline	UG/L	10 U	10 U	50 U	10 U	50 U
4,6-Dinitro-2-methylphenol	UG/L	10 U	10 U	50 U	10 U	50 U
4-Bromophenyl-phenylether	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U

Flags assigned during chemistry validation are shown

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-10D	MW-10I	MW-10S	MW-B1D	MW-B1S
Sample ID		MW-10D	MW-10I	MW-10S	MW-B1D	MW-B1S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/05/17	12/05/17	12/05/17	12/05/17	12/05/17
Parameter	Units					
Semivolatile Organic Compounds						
4-Chloro-3-methylphenol	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
4-Chloroaniline	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
4-Chlorophenyl-phenylether	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
4-Methylphenol (p-cresol)	UG/L	10 U	10 U	50 U	10 U	50 U
4-Nitroaniline	UG/L	10 U	10 U	50 U	10 U	50 U
4-Nitrophenol	UG/L	10 U	10 U	50 U	10 U	50 U
Acenaphthene	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Acenaphthylene	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Acetophenone	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Anthracene	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Atrazine	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Benzaldehyde	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Benzo(a)anthracene	UG/L	5.0 U	5.0 U	25 U	5.0 U	1.9 J
Benzo(a)pyrene	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Benzo(b)fluoranthene	UG/L	5.0 U	5.0 U	25 U	5.0 U	2.2 J
Benzo(g,h,i)perylene	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Benzo(k)fluoranthene	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
bis(2-Chloroethoxy)methane	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
bis(2-Chloroethyl)ether	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
bis(2-Ethylhexyl)phthalate	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Butylbenzylphthalate	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Caprolactam	UG/L	5.0 U	5.0 U	25 U	280 D	1,700 D
Carbazole	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-10D	MW-10I	MW-10S	MW-B1D	MW-B1S
Sample ID		MW-10D	MW-10I	MW-10S	MW-B1D	MW-B1S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/05/17	12/05/17	12/05/17	12/05/17	12/05/17
Parameter	Units					
Semivolatile Organic Compounds						
Chrysene	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Dibenz(a,h)anthracene	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Dibenzofuran	UG/L	10 U	10 U	50 U	10 U	50 U
Diethylphthalate	UG/L	5.0 U	5.0 U	25 U	0.86 J	25 U
Dimethylphthalate	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Di-n-butylphthalate	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Di-n-octylphthalate	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Fluoranthene	UG/L	5.0 U	5.0 U	25 U	5.0 U	4.4 J
Fluorene	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Hexachlorobenzene	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Hexachlorobutadiene	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Hexachlorocyclopentadiene	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Hexachloroethane	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Indeno(1,2,3-cd)pyrene	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Isophorone	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Naphthalene	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Nitrobenzene	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
N-Nitroso-di-n-propylamine	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
N-Nitrosodiphenylamine	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Pentachlorophenol	UG/L	10 U	10 U	50 U	10 U	50 U
Phenanthrene	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Phenol	UG/L	5.0 U	5.0 U	25 U	5.0 U	25 U
Pyrene	UG/L	5.0 U	5.0 U	25 U	5.0 U	4.5 J

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-10D	MW-10I	MW-10S	MW-B1D	MW-B1S
Sample ID		MW-10D	MW-10I	MW-10S	MW-B1D	MW-B1S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/05/17	12/05/17	12/05/17	12/05/17	12/05/17
Parameter	Units					
Metals						
Aluminum	UG/L	200 U	200 U	120 J	2,800	42,500
Antimony	UG/L	20 U	20 U	20 U	20 U	20 U
Arsenic	UG/L	15 U	15 U	15 U	6.9 J	36
Barium	UG/L	39	45	120	66	720
Beryllium	UG/L	2 U	2 U	2 U	2 U	2.3
Cadmium	UG/L	2 U	2 U	1.5 J	1.3 J	16
Calcium	UG/L	23,600	24,400	38,900	16,500	36,800
Chromium	UG/L	4 U	1.7 J	4 U	6.7	56
Cobalt	UG/L	4 U	4 U	4 U	0.81 J	34
Copper	UG/L	10 U	10 U	27	4.6 J	140
Iron	UG/L	120	25 J	2,200	2,500	71,400
Lead	UG/L	10 U	10 U	4.2 J	5.8 J	170
Magnesium	UG/L	3,000	3,200	2,400	2,200	8,400
Manganese	UG/L	56	37	1,600	82	2,200
Mercury	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.15 J
Nickel	UG/L	1.3 J	10 U	10 U	2.7 J	59
Potassium	UG/L	870	920	2,100	2,300	8,600
Selenium	UG/L	25 U	25 U	25 U	25 U	25 U
Silver	UG/L	6 U	6 U	6 U	6 U	6 U
Sodium	UG/L	5,200	7,000	3,000	3,600	1,400
Thallium	UG/L	20 U	20 U	20 U	20 U	20 U
Vanadium	UG/L	5 U	5 U	5 U	5.7	64
Zinc	UG/L	2.2 J	10 U	14	22	700

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

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[SITE KEY] = 9 AND [LOGDATE] >= #11/30/2017# AND [LOCID] <> 'FIELDQC'

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-10D	MW-10I	MW-10S	MW-B1D	MW-B1S
Sample ID		MW-10D	MW-10I	MW-10S	MW-B1D	MW-B1S
Matrix		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-	-	-
Date Sampled		12/05/17	12/05/17	12/05/17	12/05/17	12/05/17
Parameter	Units					
Per- and Polyfluoroalkyl Substances						
N-Methyl perfluorooctanesulfonamidoacetic acid (NMEFOSAA)	NG/L	NA	19 U	NA	21 U	20 U
Perfluorobutanesulfonic acid (PFBS)	NG/L	NA	0.46 J	NA	2.1 U	2.0 U
Perfluorobutanoic acid (PFBA)	NG/L	NA	2.2	NA	2.1 U	2.0 U
Perfluorodecane sulfonate (PFDS)	NG/L	NA	1.9 U	NA	2.1 U	2.0 U
Perfluorodecanoic acid (PFDA)	NG/L	NA	1.9 U	NA	2.1 U	2.0 U
N-Ethyl perfluorooctanesulfonamidoacetic acid (NETFOSAA)	NG/L	NA	19 U	NA	21 U	20 U
Perfluorododecanoic acid (PFDoA)	NG/L	NA	1.9 U	NA	2.1 U	2.0 U
Perfluoro-1-heptanesulfonate (PFHPS)	NG/L	NA	1.9 U	NA	2.1 U	2.0 U
Perfluoroheptanoic acid (PFHpA)	NG/L	NA	0.29 J	NA	2.1 U	0.29 J
Perfluorohexanesulfonic acid (PFHxS)	NG/L	NA	1.9 U	NA	2.1 U	2.0 U
Perfluorohexanoic acid (PFHxA)	NG/L	NA	0.92 J	NA	2.1 U	2.0 U
Perfluorononanoic acid (PFNA)	NG/L	NA	1.9 U	NA	2.1 U	0.35 J
Perfluorooctane sulfonamide (FOSA)	NG/L	NA	0.94 J	NA	2.1 U	2.0 U
Perfluorooctanesulfonic acid (PFOS)	NG/L	NA	0.65 J	NA	2.1 U	1.3 J
Perfluorooctanoic acid (PFOA)	NG/L	NA	1.9 U	NA	2.1 U	2.0 U
Perfluoropentanoic acid (PFPA)	NG/L	NA	2.0	NA	2.1 U	2.0 U
Perfluorotetradecanoic acid (PFTeA)	NG/L	NA	1.9 U	NA	2.1 U	2.0 U
Perfluorotridecanoic acid (PFTriA)	NG/L	NA	1.9 U	NA	2.1 U	2.0 U
Perfluoroundecanoic acid (PFUnA)	NG/L	NA	1.9 U	NA	2.1 U	2.0 U
6:2 Fluorotelomer sulfonate (62FTS)	NG/L	NA	19 U	NA	2.3 J	20 U
8:2 Fluorotelomer sulfonate (82FTS)	NG/L	NA	19 U	NA	21 U	20 U

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-B3D	MW-B3S	MW-B3S
Sample ID		MW-B3D	FD-120417	MW-B3S
Matrix		Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		12/04/17	12/04/17	12/04/17
Parameter	Units		Field Duplicate (1-1)	
Volatile Organic Compounds				
1,1,1-Trichloroethane	UG/L	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	UG/L	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	UG/L	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	UG/L	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	UG/L	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	UG/L	1.0 UJ	1.0 UJ	1.0 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/L	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	UG/L	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (cis)	UG/L	1.0 U	1.0 U	1.0 U
1,2-Dichloroethene (trans)	UG/L	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	UG/L	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (cis)	UG/L	1.0 U	1.0 U	1.0 U
1,3-Dichloropropene (trans)	UG/L	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	UG/L	1.0 U	1.0 U	1.0 U
2-Hexanone	UG/L	5.0 U	5.0 U	5.0 U
4-Methyl-2-pentanone	UG/L	5.0 U	5.0 U	5.0 U
Acetone	UG/L	2.7 J	3.6 J	3.5 J
Benzene	UG/L	1.0 U	1.0 U	1.0 U
Bromodichloromethane	UG/L	1.0 U	1.0 U	1.0 U

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-B3D	MW-B3S	MW-B3S
Sample ID		MW-B3D	FD-120417	MW-B3S
Matrix		Groundwater	Groundwater	Groundwater
Depth Interval (ft)		- -	-	-
Date Sampled		12/04/17	12/04/17	12/04/17
Parameter	Units		Field Duplicate (1-1)	
Volatile Organic Compounds				
Bromoform	UG/L	1.0 UJ	1.0 UJ	1.0 UJ
Bromomethane	UG/L	1.0 U	1.0 U	1.0 U
Carbon disulfide	UG/L	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	UG/L	1.0 U	1.0 U	1.0 U
Chlorobenzene	UG/L	1.0 U	1.0 U	1.0 U
Chloroethane	UG/L	1.0 U	1.0 U	1.0 U
Chloroform	UG/L	1.0 U	1.0 U	1.0 U
Chloromethane	UG/L	1.0 U	1.0 U	1.0 U
Cyclohexane	UG/L	1.0 U	1.0 U	1.0 U
Dibromochloromethane	UG/L	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	UG/L	1.0 U	1.0 U	1.0 U
Ethylbenzene	UG/L	1.0 U	1.0 U	1.0 U
Isopropylbenzene (Cumene)	UG/L	1.0 U	1.0 U	1.0 U
Methyl acetate	UG/L	5.0 U	5.0 U	5.0 U
Methyl ethyl ketone (2-Butanone)	UG/L	5.0 U	5.0 U	5.0 U
Methyl tert-butyl ether	UG/L	1.0 U	1.0 U	1.0 U
Methylcyclohexane	UG/L	1.0 U	1.0 U	1.0 U
Methylene chloride	UG/L	1.0 U	1.0 U	1.0 U
Styrene	UG/L	1.0 U	1.0 U	1.0 U
Tetrachloroethene	UG/L	1.0 U	1.0 U	1.0 U
Toluene	UG/L	1.0 U	1.0 U	1.0 U
Trichloroethene	UG/L	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane	UG/L	1.0 U	1.0 U	1.0 U

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-B3D	MW-B3S	MW-B3S
Sample ID		MW-B3D	FD-120417	MW-B3S
Matrix		Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		12/04/17	12/04/17	12/04/17
Parameter	Units		Field Duplicate (1-1)	
Volatile Organic Compounds				
Vinyl chloride	UG/L	1.0 U	1.0 U	1.0 U
Xylene (total)	UG/L	2.0 U	2.0 U	2.0 U
Semivolatile Organic Compounds				
1,1-Biphenyl	UG/L	5.0 U	5.0 U	5.0 U
1,4-Dioxane	UG/L	NA	NA	NA
2,2-oxybis(1-Chloropropane)	UG/L	5.0 U	5.0 U	5.0 U
2,4,5-Trichlorophenol	UG/L	5.0 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	UG/L	5.0 U	5.0 U	5.0 U
2,4-Dichlorophenol	UG/L	5.0 U	5.0 U	5.0 U
2,4-Dimethylphenol	UG/L	5.0 U	5.0 U	5.0 U
2,4-Dinitrophenol	UG/L	10 U	10 U	10 U
2,4-Dinitrotoluene	UG/L	5.0 U	5.0 U	5.0 U
2,6-Dinitrotoluene	UG/L	5.0 U	5.0 U	5.0 U
2-Chloronaphthalene	UG/L	5.0 U	5.0 U	5.0 U
2-Chlorophenol	UG/L	5.0 U	5.0 U	5.0 U
2-Methylnaphthalene	UG/L	5.0 U	5.0 U	5.0 U
2-Methylphenol (o-cresol)	UG/L	5.0 U	5.0 U	5.0 U
2-Nitroaniline	UG/L	10 U	10 U	10 U
2-Nitrophenol	UG/L	5.0 U	5.0 U	5.0 U
3,3-Dichlorobenzidine	UG/L	5.0 U	5.0 U	5.0 U
3-Nitroaniline	UG/L	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	UG/L	10 U	10 U	10 U
4-Bromophenyl-phenylether	UG/L	5.0 U	5.0 U	5.0 U

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

Advanced Selection: amk-temp
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[SITE KEY] = 9 AND [LOGDATE] > #11/30/2017# AND [LOCID] <> 'FIELDQC'

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-B3D	MW-B3S	MW-B3S
Sample ID		MW-B3D	FD-120417	MW-B3S
Matrix		Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		12/04/17	12/04/17	12/04/17
Parameter	Units		Field Duplicate (1-1)	
Semivolatile Organic Compounds				
4-Chloro-3-methylphenol	UG/L	5.0 U	5.0 U	5.0 U
4-Chloroaniline	UG/L	5.0 U	5.0 U	5.0 U
4-Chlorophenyl-phenylether	UG/L	5.0 U	5.0 U	5.0 U
4-Methylphenol (p-cresol)	UG/L	10 U	10 U	10 U
4-Nitroaniline	UG/L	10 U	10 U	10 U
4-Nitrophenol	UG/L	10 U	10 U	10 U
Acenaphthene	UG/L	5.0 U	5.0 U	5.0 U
Acenaphthylene	UG/L	5.0 U	5.0 U	5.0 U
Acetophenone	UG/L	5.0 U	5.0 U	5.0 U
Anthracene	UG/L	5.0 U	5.0 U	5.0 U
Atrazine	UG/L	5.0 U	5.0 U	5.0 U
Benzaldehyde	UG/L	5.0 U	5.0 U	5.0 U
Benzo(a)anthracene	UG/L	5.0 U	5.0 U	5.0 U
Benzo(a)pyrene	UG/L	5.0 U	5.0 U	5.0 U
Benzo(b)fluoranthene	UG/L	5.0 U	5.0 U	5.0 U
Benzo(g,h,i)perylene	UG/L	5.0 U	5.0 U	5.0 U
Benzo(k)fluoranthene	UG/L	5.0 U	5.0 U	5.0 U
bis(2-Chloroethoxy)methane	UG/L	5.0 U	5.0 U	5.0 U
bis(2-Chloroethyl)ether	UG/L	5.0 U	5.0 U	5.0 U
bis(2-Ethylhexyl)phthalate	UG/L	5.0 U	5.0 U	5.0 U
Butylbenzylphthalate	UG/L	5.0 U	5.0 U	5.0 U
Caprolactam	UG/L	5.0 U	5.0 U	5.0 U
Carbazole	UG/L	5.0 U	5.0 U	5.0 U

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/15/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-B3D	MW-B3S	MW-B3S
Sample ID		MW-B3D	FD-120417	MW-B3S
Matrix		Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		12/04/17	12/04/17	12/04/17
Parameter	Units		Field Duplicate (1-1)	
Semivolatile Organic Compounds				
Chrysene	UG/L	5.0 U	5.0 U	5.0 U
Dibenz(a,h)anthracene	UG/L	5.0 U	5.0 U	5.0 U
Dibenzofuran	UG/L	10 U	10 U	10 U
Diethylphthalate	UG/L	5.0 U	5.0 U	5.0 U
Dimethylphthalate	UG/L	5.0 U	5.0 U	5.0 U
Di-n-butylphthalate	UG/L	5.0 U	5.0 U	5.0 U
Di-n-octylphthalate	UG/L	5.0 U	5.0 U	5.0 U
Fluoranthene	UG/L	5.0 U	5.0 U	5.0 U
Fluorene	UG/L	5.0 U	5.0 U	5.0 U
Hexachlorobenzene	UG/L	5.0 U	5.0 U	5.0 U
Hexachlorobutadiene	UG/L	5.0 U	5.0 U	5.0 U
Hexachlorocyclopentadiene	UG/L	5.0 U	5.0 U	5.0 U
Hexachloroethane	UG/L	5.0 U	5.0 U	5.0 U
Indeno(1,2,3-cd)pyrene	UG/L	5.0 U	5.0 U	5.0 U
Isophorone	UG/L	5.0 U	5.0 U	5.0 U
Naphthalene	UG/L	5.0 U	5.0 U	5.0 U
Nitrobenzene	UG/L	5.0 U	5.0 U	5.0 U
N-Nitroso-di-n-propylamine	UG/L	5.0 U	5.0 U	5.0 U
N-Nitrosodiphenylamine	UG/L	5.0 U	5.0 U	5.0 U
Pentachlorophenol	UG/L	10 U	10 U	10 U
Phenanthrene	UG/L	5.0 U	5.0 U	5.0 U
Phenol	UG/L	5.0 U	5.0 U	5.0 U
Pyrene	UG/L	5.0 U	5.0 U	5.0 U

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

Advanced Selection: amk-temp
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Printed: 2/16/2018 3:19:23 PM
[SITE KEY] = 9 AND [LOGDATE] > #11/30/2017# AND [LOCID] <> 'FIELDQC'

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-B3D	MW-B3S	MW-B3S
Sample ID		MW-B3D	FD-120417	MW-B3S
Matrix		Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		12/04/17	12/04/17	12/04/17
Parameter	Units		Field Duplicate (1-1)	
Metals				
Aluminum	UG/L	200 U	64 J	200 U
Antimony	UG/L	20 U	20 U	20 U
Arsenic	UG/L	15 U	15 U	15 U
Barium	UG/L	39	160	180
Beryllium	UG/L	2 U	2 U	2 U
Cadmium	UG/L	2 U	2 U	2 U
Calcium	UG/L	25,000	11,700	11,700
Chromium	UG/L	4 U	4 U	4 U
Cobalt	UG/L	4 U	4 U	4 U
Copper	UG/L	10 U	10 U	10 U
Iron	UG/L	50 U	36 J	35 J
Lead	UG/L	10 U	10 U	10 U
Magnesium	UG/L	3,000	2,800	2,800
Manganese	UG/L	180	640 J	850 J
Mercury	UG/L	0.2 U	0.2 U	0.2 U
Nickel	UG/L	10 U	10 U	10 U
Potassium	UG/L	890	680	690
Selenium	UG/L	25 U	25 U	25 U
Silver	UG/L	6 U	6 U	6 U
Sodium	UG/L	2,900	1,100	1,100
Thallium	UG/L	20 U	20 U	20 U
Vanadium	UG/L	5 U	5 U	5 U
Zinc	UG/L	3 J	2 J	3.2 J

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 2
VALIDATED GROUNDWATER SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		MW-B3D	MW-B3S	MW-B3S
Sample ID		MW-B3D	FD-120417	MW-B3S
Matrix		Groundwater	Groundwater	Groundwater
Depth Interval (ft)		-	-	-
Date Sampled		12/04/17	12/04/17	12/04/17
Parameter	Units		Field Duplicate (1-1)	
Per- and Polyfluoroalkyl Substances		-		
N-Methyl perfluorooctanesulfonamidoacetic acid (NMEFOSAA)	NG/L	NA	NA	NA
Perfluorobutanesulfonic acid (PFBS)	NG/L	NA	NA	NA
Perfluorobutanoic acid (PFBA)	NG/L	NA	NA	NA
Perfluorodecane sulfonate (PFDS)	NG/L	NA	NA	NA
Perfluorodecanoic acid (PFDA)	NG/L	NA	NA	NA
N-Ethyl perfluorooctanesulfonamidoacetic acid (NETFOSAA)	NG/L	NA	NA	NA
Perfluorododecanoic acid (PFDoA)	NG/L	NA	NA	NA
Perfluoro-1-heptanesulfonate (PFHPS)	NG/L	NA	NA	NA
Perfluoroheptanoic acid (PFHpA)	NG/L	NA	NA	NA
Perfluorohexanesulfonic acid (PFHxS)	NG/L	NA	NA	NA
Perfluorohexanoic acid (PFHxA)	NG/L	NA	NA	NA
Perfluorononanoic acid (PFNA)	NG/L	NA	NA	NA
Perfluorooctane sulfonamide (FOSA)	NG/L	NA	NA	NA
Perfluorooctanesulfonic acid (PFOS)	NG/L	NA	NA	NA
Perfluorooctanoic acid (PFOA)	NG/L	NA	NA	NA
Perfluoropentanoic acid (PFPA)	NG/L	NA	NA	NA
Perfluorotetradecanoic acid (PFTeA)	NG/L	NA	NA	NA
Perfluorotridecanoic acid (PFTriA)	NG/L	NA	NA	NA
Perfluoroundecanoic acid (PFUnA)	NG/L	NA	NA	NA
6:2 Fluorotelomer sulfonate (62FTS)	NG/L	NA	NA	NA
8:2 Fluorotelomer sulfonate (82FTS)	NG/L	NA	NA	NA

Flags assigned during chemistry validation are shown

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

Advanced Selection: amk-temp
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[SITE KEY] = 8 AND [LOGDATE] > #11/30/2017# AND [LOCID] <> 'FIELDQC'

TABLE 3
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		FIELDQC	FIELDQC
Sample ID		EB-120417	TRIP BLANK
Matrix		Water Quality	Water Quality
Depth Interval (ft)		-	-
Date Sampled		12/04/17	12/05/17
Parameter	Units	Equipment Blank (1-1)	Trip Blank (1-1)
Volatile Organic Compounds			
1,1,1-Trichloroethane	UG/L	NA	1.0 U
1,1,2,2-Tetrachloroethane	UG/L	NA	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	UG/L	NA	1.0 U
1,1,2-Trichloroethane	UG/L	NA	1.0 U
1,1-Dichloroethane	UG/L	NA	1.0 U
1,1-Dichloroethene	UG/L	NA	1.0 U
1,2,4-Trichlorobenzene	UG/L	NA	1.0 U
1,2-Dibromo-3-chloropropane	UG/L	NA	1.0 UJ
1,2-Dibromoethane (Ethylene dibromide)	UG/L	NA	1.0 U
1,2-Dichlorobenzene	UG/L	NA	1.0 U
1,2-Dichloroethane	UG/L	NA	1.0 U
1,2-Dichloroethene (cis)	UG/L	NA	1.0 U
1,2-Dichloroethene (trans)	UG/L	NA	1.0 U
1,2-Dichloropropane	UG/L	NA	1.0 U
1,3-Dichlorobenzene	UG/L	NA	1.0 U
1,3-Dichloropropene (cis)	UG/L	NA	1.0 U
1,3-Dichloropropene (trans)	UG/L	NA	1.0 U
1,4-Dichlorobenzene	UG/L	NA	1.0 U
2-Hexanone	UG/L	NA	5.0 U
4-Methyl-2-pentanone	UG/L	NA	5.0 U
Acetone	UG/L	NA	5.0 U
Benzene	UG/L	NA	1.0 U
Bromodichloromethane	UG/L	NA	1.0 U

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 3
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		FIELDQC	FIELDQC
Sample ID		EB-120417	TRIP BLANK
Matrix		Water Quality	Water Quality
Depth Interval (ft)		-	-
Date Sampled		12/04/17	12/05/17
Parameter	Units	Equipment Blank (1-1)	Trip Blank (1-1)
Volatile Organic Compounds			
Bromoform	UG/L	NA	1.0 UJ
Bromomethane	UG/L	NA	1.0 U
Carbon disulfide	UG/L	NA	1.0 U
Carbon tetrachloride	UG/L	NA	1.0 U
Chlorobenzene	UG/L	NA	1.0 U
Chloroethane	UG/L	NA	1.0 U
Chloroform	UG/L	NA	1.0 U
Chloromethane	UG/L	NA	1.0 U
Cyclohexane	UG/L	NA	1.0 U
Dibromochloromethane	UG/L	NA	1.0 U
Dichlorodifluoromethane	UG/L	NA	1.0 U
Ethylbenzene	UG/L	NA	1.0 U
Isopropylbenzene (Cumene)	UG/L	NA	1.0 U
Methyl acetate	UG/L	NA	5.0 U
Methyl ethyl ketone (2-Butanone)	UG/L	NA	5.0 U
Methyl tert-butyl ether	UG/L	NA	1.0 U
Methylcyclohexane	UG/L	NA	1.0 U
Methylene chloride	UG/L	NA	1.0 U
Styrene	UG/L	NA	1.0 U
Tetrachloroethene	UG/L	NA	1.0 U
Toluene	UG/L	NA	1.0 U
Trichloroethene	UG/L	NA	1.0 U
Trichlorofluoromethane	UG/L	NA	1.0 U

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 3
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		FIELDQC	FIELDQC
Sample ID		EB-120417	TRIP BLANK
Matrix		Water Quality	Water Quality
Depth Interval (ft)		-	-
Date Sampled		12/04/17	12/05/17
Parameter	**Units**	Equipment Blank (1-1)	Trip Blank (1-1)
Volatile Organic Compounds			
Vinyl chloride	UG/L	NA	1.0 U
Xylene (total)	UG/L	NA	2.0 U
Semivolatile Organic Compounds			
1,4-Dioxane	UG/L	0.44 U	NA
Per- and Polyfluoroalkyl Substances			
N-Methyl perfluorooctanesulfonamidoacetic acid (NMEFOSAA)	NG/L	20 U	NA
Perfluorobutanesulfonic acid (PFBS)	NG/L	2.0 U	NA
Perfluorobutanoic acid (PFBA)	NG/L	0.65 J	NA
Perfluorodecane sulfonate (PFDS)	NG/L	2.0 U	NA
Perfluorodecanoic acid (PFDA)	NG/L	2.0 U	NA
N-Ethyl perfluorooctanesulfonamidoacetic acid (NETFOSAA)	NG/L	20 U	NA
Perfluorododecanoic acid (PFDoA)	NG/L	2.0 U	NA
Perfluoro-1-heptanesulfonate (PFHPS)	NG/L	2.0 U	NA
Perfluoroheptanoic acid (PFHpA)	NG/L	2.0 U	NA
Perfluorohexanesulfonic acid (PFHxS)	NG/L	0.26 J	NA
Perfluorohexanoic acid (PFHxA)	NG/L	2.0 U	NA
Perfluorononanoic acid (PFNA)	NG/L	2.0 U	NA
Perfluorooctane sulfonamide (FOSA)	NG/L	2.0 U	NA
Perfluorooctanesulfonic acid (PFOS)	NG/L	2.0 U	NA
Perfluorooctanoic acid (PFOA)	NG/L	2.0 U	NA
Perfluoropentanoic acid (PFPA)	NG/L	2.0 U	NA
Perfluorotetradecanoic acid (PFTeA)	NG/L	2.0 U	NA
Perfluorotridecanoic acid (PFTriA)	NG/L	2.0 U	NA

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

TABLE 3
VALIDATED FIELD QC SAMPLE ANALYTICAL RESULTS
KERRY CHEMICAL SITE

Location ID		FIELDQC	FIELDQC
Sample ID		EB-120417	TRIP BLANK
Matrix		Water Quality	Water Quality
Depth Interval (ft)		-	-
Date Sampled		12/04/17	12/05/17
Parameter	Units	Equipment Blank (1-1)	Trip Blank (1-1)
Per- and Polyfluoroalkyl Substances			
Perfluoroundecanoic acid (PFUnA)	NG/L	2.0 U	NA
6:2 Fluorotelomer sulfonate (62FTS)	NG/L	20 U	NA
8:2 Fluorotelomer sulfonate (82FTS)	NG/L	20 U	NA

Flags assigned during chemistry validation are shown.

Made By: AMK 1/29/18
Checked By: PRF 2/16/18

Detection Limits shown are PQL

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[SITE KEY] = 9 AND [LOGDATE] > #11/30/2017# AND [LOCID] = 'FIELDQC'

ATTACHMENT A

VALIDATED FORM 1s

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B1D | Lab Sample ID: 480-128653-12

Matrix: Water | Lab File ID: N61449.D

Analysis Method: 8260C | Date Collected: 12/05/2017 11:10

Sample wt/vol: 5(mL) | Date Analyzed: 12/10/2017 09:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483059 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.080
75-34-3	1,1-Dichloroethane	ND		1.0	0.24
75-35-4	1,1-Dichloroethene	ND		1.0	0.34
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	ND	J5	1.0	0.23
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.22
107-06-2	1,2-Dichloroethane	ND		1.0	0.25
78-87-5	1,2-Dichloropropane	ND		1.0	0.18
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.33
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND		5.0	2.2
591-78-6	2-Hexanone	ND		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.63
67-64-1	Acetone	ND		5.0	1.1
71-43-2	Benzene	ND		1.0	0.090
75-25-2	Bromoform	ND	J5	1.0	0.18
74-83-9	Bromomethane	ND		1.0	0.18
75-15-0	Carbon disulfide	ND		1.0	0.22
56-23-5	Carbon tetrachloride	ND		1.0	0.33
108-90-7	Chlorobenzene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.22
75-00-3	Chloroethane	ND		1.0	0.37
67-66-3	Chloroform	ND		1.0	0.22
74-87-3	Chloromethane	ND		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
110-82-7	Cyclohexane	ND		1.0	0.26
75-27-4	Bromodichloromethane	ND		1.0	0.15
75-71-8	Dichlorodifluoromethane	ND		1.0	0.14
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.32
79-20-9	Methyl acetate	ND		5.0	0.58

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B1D | Lab Sample ID: 480-128653-12

Matrix: Water | Lab File ID: N61449.D

Analysis Method: 8260C | Date Collected: 12/05/2017 11:10

Sample wt/vol: 5(mL) | Date Analyzed: 12/10/2017 09:45

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483059 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.13
108-87-2	Methylcyclohexane	ND		1.0	0.22
75-09-2	Methylene Chloride	ND		1.0	0.21
127-18-4	Tetrachloroethene	ND		1.0	0.12
108-88-3	Toluene	ND		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.22
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.060
1330-20-7	Xylenes, Total	ND		2.0	0.28
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.16
100-42-5	Styrene	ND		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		74-132
2037-26-5	Toluene-d8 (Surr)	103		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		72-131
460-00-4	4-Bromofluorobenzene	101		77-124

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

Lab Name: TestAmerica Edison | Job No.: 480-128653-1
SDG No.:
Client Sample ID: MW-B1D | Lab Sample ID: 480-128653-12
Matrix: Water | Lab File ID: N61449.D
Analysis Method: 8260C | Date Collected: 12/05/2017 11:10
Sample wt/vol: 5(mL) | Date Analyzed: 12/10/2017 09:45
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)
% Moisture: | Level: (low/med) Low
Analysis Batch No.: 483059 | Units: ug/L
Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B1S | Lab Sample ID: 480-128653-11

Matrix: Water | Lab File ID: N61448.D

Analysis Method: 8260C | Date Collected: 12/05/2017 11:15

Sample wt/vol: 5(mL) | Date Analyzed: 12/10/2017 09:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483059 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.080
75-34-3	1,1-Dichloroethane	ND		1.0	0.24
75-35-4	1,1-Dichloroethene	ND		1.0	0.34
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.23
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.22
107-06-2	1,2-Dichloroethane	ND		1.0	0.25
78-87-5	1,2-Dichloropropane	ND		1.0	0.18
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.33
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND		5.0	2.2
591-78-6	2-Hexanone	ND		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.63
67-64-1	Acetone	4.7	J	5.0	1.1
71-43-2	Benzene	ND		1.0	0.090
75-25-2	Bromoform	ND		1.0	0.18
74-83-9	Bromomethane	ND		1.0	0.18
75-15-0	Carbon disulfide	ND		1.0	0.22
56-23-5	Carbon tetrachloride	ND		1.0	0.33
108-90-7	Chlorobenzene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.22
75-00-3	Chloroethane	ND		1.0	0.37
67-66-3	Chloroform	ND		1.0	0.22
74-87-3	Chloromethane	ND		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
110-82-7	Cyclohexane	ND		1.0	0.26
75-27-4	Bromodichloromethane	ND		1.0	0.15
75-71-8	Dichlorodifluoromethane	ND		1.0	0.14
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.32
79-20-9	Methyl acetate	ND		5.0	0.58

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B1S | Lab Sample ID: 480-128653-11

Matrix: Water | Lab File ID: N61448.D

Analysis Method: 8260C | Date Collected: 12/05/2017 11:15

Sample wt/vol: 5(mL) | Date Analyzed: 12/10/2017 09:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483059 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.13
108-87-2	Methylcyclohexane	ND		1.0	0.22
75-09-2	Methylene Chloride	ND		1.0	0.21
127-18-4	Tetrachloroethene	ND		1.0	0.12
108-88-3	Toluene	ND		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.22
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.060
1330-20-7	Xylenes, Total	ND		2.0	0.28
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.16
100-42-5	Styrene	ND		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		74-132
2037-26-5	Toluene-d8 (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		72-131
460-00-4	4-Bromofluorobenzene	102		77-124

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

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B1S | Lab Sample ID: 480-128653-11

Matrix: Water | Lab File ID: N61448.D

Analysis Method: 8260C | Date Collected: 12/05/2017 11:15

Sample wt/vol: 5(mL) | Date Analyzed: 12/10/2017 09:22

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483059 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B3D | Lab Sample ID: 480-128653-6

Matrix: Water | Lab File ID: N61427.D

Analysis Method: 8260C | Date Collected: 12/04/2017 14:25

Sample wt/vol: 5(mL) | Date Analyzed: 12/09/2017 19:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483036 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	ND	FI	1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.080
75-34-3	1,1-Dichloroethane	ND		1.0	0.24
75-35-4	1,1-Dichloroethene	ND		1.0	0.34
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	ND	J3	1.0	0.23
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.22
107-06-2	1,2-Dichloroethane	ND		1.0	0.25
78-87-5	1,2-Dichloropropane	ND		1.0	0.18
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.33
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND		5.0	2.2
591-78-6	2-Hexanone	ND		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.63
67-64-1	Acetone	2.7	J	5.0	1.1
71-43-2	Benzene	ND		1.0	0.090
75-25-2	Bromoform	ND	J3	1.0	0.18
74-83-9	Bromomethane	ND		1.0	0.18
75-15-0	Carbon disulfide	ND		1.0	0.22
56-23-5	Carbon tetrachloride	ND		1.0	0.33
108-90-7	Chlorobenzene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.22
75-00-3	Chloroethane	ND		1.0	0.37
67-66-3	Chloroform	ND		1.0	0.22
74-87-3	Chloromethane	ND		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
110-82-7	Cyclohexane	ND		1.0	0.26
75-27-4	Bromodichloromethane	ND		1.0	0.15
75-71-8	Dichlorodifluoromethane	ND		1.0	0.14
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.32
79-20-9	Methyl acetate	ND		5.0	0.58

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B3D | Lab Sample ID: 480-128653-6

Matrix: Water | Lab File ID: N61427.D

Analysis Method: 8260C | Date Collected: 12/04/2017 14:25

Sample wt/vol: 5(mL) | Date Analyzed: 12/09/2017 19:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483036 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.13
108-87-2	Methylcyclohexane	ND		1.0	0.22
75-09-2	Methylene Chloride	ND		1.0	0.21
127-18-4	Tetrachloroethene	ND		1.0	0.12
108-88-3	Toluene	ND		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	ND	F1	1.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.22
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.060
1330-20-7	Xylenes, Total	ND		2.0	0.28
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.16
100-42-5	Styrene	ND		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		74-132
2037-26-5	Toluene-d8 (Surr)	103		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		72-131
460-00-4	4-Bromofluorobenzene	102		77-124

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

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B3D | Lab Sample ID: 480-128653-6

Matrix: Water | Lab File ID: N61427.D

Analysis Method: 8260C | Date Collected: 12/04/2017 14:25

Sample wt/vol: 5(mL) | Date Analyzed: 12/09/2017 19:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483036 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B3S | Lab Sample ID: 480-128653-5

Matrix: Water | Lab File ID: N61432.D

Analysis Method: 8260C | Date Collected: 12/04/2017 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/09/2017 21:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483036 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.080
75-34-3	1,1-Dichloroethane	ND		1.0	0.24
75-35-4	1,1-Dichloroethene	ND		1.0	0.34
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.23
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.22
107-06-2	1,2-Dichloroethane	ND		1.0	0.25
78-87-5	1,2-Dichloropropane	ND		1.0	0.18
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.33
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND		5.0	2.2
591-78-6	2-Hexanone	ND		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.63
67-64-1	Acetone	3.5	J	5.0	1.1
71-43-2	Benzene	ND		1.0	0.090
75-25-2	Bromoform	ND		1.0	0.18
74-83-9	Bromomethane	ND		1.0	0.18
75-15-0	Carbon disulfide	ND		1.0	0.22
56-23-5	Carbon tetrachloride	ND		1.0	0.33
108-90-7	Chlorobenzene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.22
75-00-3	Chloroethane	ND		1.0	0.37
67-66-3	Chloroform	ND		1.0	0.22
74-87-3	Chloromethane	ND		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
110-82-7	Cyclohexane	ND		1.0	0.26
75-27-4	Bromodichloromethane	ND		1.0	0.15
75-71-8	Dichlorodifluoromethane	ND		1.0	0.14
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.32
79-20-9	Methyl acetate	ND		5.0	0.58

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B3S | Lab Sample ID: 480-128653-5

Matrix: Water | Lab File ID: N61432.D

Analysis Method: 8260C | Date Collected: 12/04/2017 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/09/2017 21:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483036 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.13
108-87-2	Methylcyclohexane	ND		1.0	0.22
75-09-2	Methylene Chloride	ND		1.0	0.21
127-18-4	Tetrachloroethene	ND		1.0	0.12
108-88-3	Toluene	ND		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.22
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.060
1330-20-7	Xylenes, Total	ND		2.0	0.28
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.16
100-42-5	Styrene	ND		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		74-132
2037-26-5	Toluene-d8 (Surr)	101		80-120
1868-53-7	Dibromofluoromethane (Surr)	94		72-131
460-00-4	4-Bromofluorobenzene	100		77-124

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

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B3S | Lab Sample ID: 480-128653-5

Matrix: Water | Lab File ID: N61432.D

Analysis Method: 8260C | Date Collected: 12/04/2017 14:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/09/2017 21:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483036 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

MW-B3S

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: FD-120417 | Lab Sample ID: 480-128653-10

Matrix: Water | Lab File ID: N61447.D

Analysis Method: 8260C | Date Collected: 12/04/2017 00:00

Sample wt/vol: 5(mL) | Date Analyzed: 12/10/2017 08:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483059 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.080
75-34-3	1,1-Dichloroethane	ND		1.0	0.24
75-35-4	1,1-Dichloroethene	ND		1.0	0.34
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.23
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.22
107-06-2	1,2-Dichloroethane	ND		1.0	0.25
78-87-5	1,2-Dichloropropane	ND		1.0	0.18
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.33
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND		5.0	2.2
591-78-6	2-Hexanone	ND		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.63
67-64-1	Acetone	3.6	J	5.0	1.1
71-43-2	Benzene	ND		1.0	0.090
75-25-2	Bromoform	ND	UJ	1.0	0.18
74-83-9	Bromomethane	ND		1.0	0.18
75-15-0	Carbon disulfide	ND		1.0	0.22
56-23-5	Carbon tetrachloride	ND		1.0	0.33
108-90-7	Chlorobenzene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.22
75-00-3	Chloroethane	ND		1.0	0.37
67-66-3	Chloroform	ND		1.0	0.22
74-87-3	Chloromethane	ND		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
110-82-7	Cyclohexane	ND		1.0	0.26
75-27-4	Bromodichloromethane	ND		1.0	0.15
75-71-8	Dichlorodifluoromethane	ND		1.0	0.14
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.32
79-20-9	Methyl acetate	ND		5.0	0.58

MW-B3S

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 480-128653-1

SDG No.:

Client Sample ID: FD-120417 Lab Sample ID: 480-128653-10

Matrix: Water Lab File ID: N61447.D

Analysis Method: 8260C Date Collected: 12/04/2017 00:00

Sample wt/vol: 5(mL) Date Analyzed: 12/10/2017 08:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 483059 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.13
108-87-2	Methylcyclohexane	ND		1.0	0.22
75-09-2	Methylene Chloride	ND		1.0	0.21
127-18-4	Tetrachloroethene	ND		1.0	0.12
108-88-3	Toluene	ND		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.22
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.060
1330-20-7	Xylenes, Total	ND		2.0	0.28
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.16
100-42-5	Styrene	ND		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		74-132
2037-26-5	Toluene-d8 (Surr)	104		80-120
1868-53-7	Dibromofluoromethane (Surr)	95		72-131
460-00-4	4-Bromofluorobenzene	102		77-124

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

MW-B3S

Lab Name: TestAmerica Edison | Job No.: 480-128653-1
SDG No.:
Client Sample ID: FD-120417 | Lab Sample ID: 480-128653-10
Matrix: Water | Lab File ID: N61447.D
Analysis Method: 8260C | Date Collected: 12/04/2017 00:00
Sample wt/vol: 5(mL) | Date Analyzed: 12/10/2017 08:58
Soil Aliquot Vol: | Dilution Factor: 1
Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)
% Moisture: | Level: (low/med) Low
Analysis Batch No.: 483059 | Units: ug/L
Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-03I | Lab Sample ID: 480-128653-2

Matrix: Water | Lab File ID: N61429.D

Analysis Method: 8260C | Date Collected: 12/04/2017 11:50

Sample wt/vol: 5(mL) | Date Analyzed: 12/09/2017 20:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483036 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.080
75-34-3	1,1-Dichloroethane	ND		1.0	0.24
75-35-4	1,1-Dichloroethene	ND		1.0	0.34
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.23
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.22
107-06-2	1,2-Dichloroethane	ND		1.0	0.25
78-87-5	1,2-Dichloropropane	ND		1.0	0.18
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.33
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND		5.0	2.2
591-78-6	2-Hexanone	ND		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.63
67-64-1	Acetone	2.4	J	5.0	1.1
71-43-2	Benzene	ND		1.0	0.090
75-25-2	Bromoform	ND		1.0	0.18
74-83-9	Bromomethane	ND		1.0	0.18
75-15-0	Carbon disulfide	ND		1.0	0.22
56-23-5	Carbon tetrachloride	ND		1.0	0.33
108-90-7	Chlorobenzene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.22
75-00-3	Chloroethane	ND		1.0	0.37
67-66-3	Chloroform	ND		1.0	0.22
74-87-3	Chloromethane	ND		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
110-82-7	Cyclohexane	ND		1.0	0.26
75-27-4	Bromodichloromethane	ND		1.0	0.15
75-71-8	Dichlorodifluoromethane	ND		1.0	0.14
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.32
79-20-9	Methyl acetate	ND		5.0	0.58

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-03I | Lab Sample ID: 480-128653-2

Matrix: Water | Lab File ID: N61429.D

Analysis Method: 8260C | Date Collected: 12/04/2017 11:50

Sample wt/vol: 5(mL) | Date Analyzed: 12/09/2017 20:20

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483036 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.13
108-87-2	Methylcyclohexane	ND		1.0	0.22
75-09-2	Methylene Chloride	ND		1.0	0.21
127-18-4	Tetrachloroethene	ND		1.0	0.12
108-88-3	Toluene	ND		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.22
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.060
1330-20-7	Xylenes, Total	ND		2.0	0.28
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.16
100-42-5	Styrene	ND		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		74-132
2037-26-5	Toluene-d8 (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		72-131
460-00-4	4-Bromofluorobenzene	102		77-124

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

Lab Name: TestAmerica Edison Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-03I Lab Sample ID: 480-128653-2

Matrix: Water Lab File ID: N61429.D

Analysis Method: 8260C Date Collected: 12/04/2017 11:50

Sample wt/vol: 5(mL) Date Analyzed: 12/09/2017 20:20

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 483036 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-03S | Lab Sample ID: 480-128653-1

Matrix: Water | Lab File ID: N61428.D

Analysis Method: 8260C | Date Collected: 12/04/2017 12:05

Sample wt/vol: 5(mL) | Date Analyzed: 12/09/2017 19:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483036 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.080
75-34-3	1,1-Dichloroethane	ND		1.0	0.24
75-35-4	1,1-Dichloroethene	ND		1.0	0.34
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.23
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.22
107-06-2	1,2-Dichloroethane	ND		1.0	0.25
78-87-5	1,2-Dichloropropane	ND		1.0	0.18
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.33
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND		5.0	2.2
591-78-6	2-Hexanone	ND		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.63
67-64-1	Acetone	3.1	J	5.0	1.1
71-43-2	Benzene	ND		1.0	0.090
75-25-2	Bromoform	ND		1.0	0.18
74-83-9	Bromomethane	ND		1.0	0.18
75-15-0	Carbon disulfide	ND		1.0	0.22
56-23-5	Carbon tetrachloride	ND		1.0	0.33
108-90-7	Chlorobenzene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.22
75-00-3	Chloroethane	ND		1.0	0.37
67-66-3	Chloroform	ND		1.0	0.22
74-87-3	Chloromethane	ND		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
110-82-7	Cyclohexane	ND		1.0	0.26
75-27-4	Bromodichloromethane	ND		1.0	0.15
75-71-8	Dichlorodifluoromethane	ND		1.0	0.14
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.32
79-20-9	Methyl acetate	ND		5.0	0.58

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-03S Lab Sample ID: 480-128653-1

Matrix: Water Lab File ID: N61428.D

Analysis Method: 8260C Date Collected: 12/04/2017 12:05

Sample wt/vol: 5(mL) Date Analyzed: 12/09/2017 19:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 483036 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.13
108-87-2	Methylcyclohexane	ND		1.0	0.22
75-09-2	Methylene Chloride	ND		1.0	0.21
127-18-4	Tetrachloroethene	ND		1.0	0.12
108-88-3	Toluene	ND		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.22
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.060
1330-20-7	Xylenes, Total	ND		2.0	0.28
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.16
100-42-5	Styrene	ND		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		74-132
2037-26-5	Toluene-d8 (Surr)	103		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		72-131
460-00-4	4-Bromofluorobenzene	102		77-124

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

Lab Name: TestAmerica Edison Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-03S Lab Sample ID: 480-128653-1

Matrix: Water Lab File ID: N61428.D

Analysis Method: 8260C Date Collected: 12/04/2017 12:05

Sample wt/vol: 5(mL) Date Analyzed: 12/09/2017 19:58

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 483036 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-04I | Lab Sample ID: 480-128653-4

Matrix: Water | Lab File ID: N61431.D

Analysis Method: 8260C | Date Collected: 12/04/2017 13:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/09/2017 21:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483036 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.080
75-34-3	1,1-Dichloroethane	ND		1.0	0.24
75-35-4	1,1-Dichloroethene	ND		1.0	0.34
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.23
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.22
107-06-2	1,2-Dichloroethane	ND		1.0	0.25
78-87-5	1,2-Dichloropropane	ND		1.0	0.18
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.33
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND		5.0	2.2
591-78-6	2-Hexanone	ND		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.63
67-64-1	Acetone	2.6	J	5.0	1.1
71-43-2	Benzene	ND		1.0	0.090
75-25-2	Bromoform	ND	UJ	1.0	0.18
74-83-9	Bromomethane	ND		1.0	0.18
75-15-0	Carbon disulfide	ND		1.0	0.22
56-23-5	Carbon tetrachloride	ND		1.0	0.33
108-90-7	Chlorobenzene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.22
75-00-3	Chloroethane	ND		1.0	0.37
67-66-3	Chloroform	ND		1.0	0.22
74-87-3	Chloromethane	ND		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
110-82-7	Cyclohexane	ND		1.0	0.26
75-27-4	Bromodichloromethane	ND		1.0	0.15
75-71-8	Dichlorodifluoromethane	ND		1.0	0.14
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.32
79-20-9	Methyl acetate	ND		5.0	0.58

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-04I Lab Sample ID: 480-128653-4

Matrix: Water Lab File ID: N61431.D

Analysis Method: 8260C Date Collected: 12/04/2017 13:30

Sample wt/vol: 5(mL) Date Analyzed: 12/09/2017 21:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 483036 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.13
108-87-2	Methylcyclohexane	ND		1.0	0.22
75-09-2	Methylene Chloride	ND		1.0	0.21
127-18-4	Tetrachloroethene	ND		1.0	0.12
108-88-3	Toluene	ND		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.22
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.060
1330-20-7	Xylenes, Total	ND		2.0	0.28
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.16
100-42-5	Styrene	ND		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		74-132
2037-26-5	Toluene-d8 (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		72-131
460-00-4	4-Bromofluorobenzene	102		77-124

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

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-04I | Lab Sample ID: 480-128653-4

Matrix: Water | Lab File ID: N61431.D

Analysis Method: 8260C | Date Collected: 12/04/2017 13:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/09/2017 21:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483036 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-04S | Lab Sample ID: 480-128653-3

Matrix: Water | Lab File ID: N61430.D

Analysis Method: 8260C | Date Collected: 12/04/2017 13:15

Sample wt/vol: 5(mL) | Date Analyzed: 12/09/2017 20:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483036 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.080
75-34-3	1,1-Dichloroethane	ND		1.0	0.24
75-35-4	1,1-Dichloroethene	ND		1.0	0.34
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	ND		1.0	0.23
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.22
107-06-2	1,2-Dichloroethane	ND		1.0	0.25
78-87-5	1,2-Dichloropropane	ND		1.0	0.18
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.33
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND		5.0	2.2
591-78-6	2-Hexanone	ND		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.63
67-64-1	Acetone	2.7	J	5.0	1.1
71-43-2	Benzene	ND		1.0	0.090
75-25-2	Bromoform	ND		1.0	0.18
74-83-9	Bromomethane	ND		1.0	0.18
75-15-0	Carbon disulfide	ND		1.0	0.22
56-23-5	Carbon tetrachloride	ND		1.0	0.33
108-90-7	Chlorobenzene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.22
75-00-3	Chloroethane	ND		1.0	0.37
67-66-3	Chloroform	ND		1.0	0.22
74-87-3	Chloromethane	ND		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
110-82-7	Cyclohexane	ND		1.0	0.26
75-27-4	Bromodichloromethane	ND		1.0	0.15
75-71-8	Dichlorodifluoromethane	ND		1.0	0.14
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.32
79-20-9	Methyl acetate	ND		5.0	0.58

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-04S | Lab Sample ID: 480-128653-3

Matrix: Water | Lab File ID: N61430.D

Analysis Method: 8260C | Date Collected: 12/04/2017 13:15

Sample wt/vol: 5(mL) | Date Analyzed: 12/09/2017 20:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483036 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.13
108-87-2	Methylcyclohexane	ND		1.0	0.22
75-09-2	Methylene Chloride	ND		1.0	0.21
127-18-4	Tetrachloroethene	ND		1.0	0.12
108-88-3	Toluene	ND		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.22
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.060
1330-20-7	Xylenes, Total	ND		2.0	0.28
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.16
100-42-5	Styrene	ND		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		74-132
2037-26-5	Toluene-d8 (Surr)	100		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		72-131
460-00-4	4-Bromofluorobenzene	102		77-124

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

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-04S | Lab Sample ID: 480-128653-3

Matrix: Water | Lab File ID: N61430.D

Analysis Method: 8260C | Date Collected: 12/04/2017 13:15

Sample wt/vol: 5(mL) | Date Analyzed: 12/09/2017 20:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483036 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-05D | Lab Sample ID: 480-128653-9

Matrix: Water | Lab File ID: N61446.D

Analysis Method: 8260C | Date Collected: 12/04/2017 15:40

Sample wt/vol: 5(mL) | Date Analyzed: 12/10/2017 08:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483059 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.080
75-34-3	1,1-Dichloroethane	ND		1.0	0.24
75-35-4	1,1-Dichloroethene	ND		1.0	0.34
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1.0	0.23
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.22
107-06-2	1,2-Dichloroethane	ND		1.0	0.25
78-87-5	1,2-Dichloropropane	ND		1.0	0.18
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.33
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND		5.0	2.2
591-78-6	2-Hexanone	ND		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.63
67-64-1	Acetone	ND		5.0	1.1
71-43-2	Benzene	ND		1.0	0.090
75-25-2	Bromoform	ND	U	1.0	0.18
74-83-9	Bromomethane	ND		1.0	0.18
75-15-0	Carbon disulfide	ND		1.0	0.22
56-23-5	Carbon tetrachloride	ND		1.0	0.33
108-90-7	Chlorobenzene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.22
75-00-3	Chloroethane	ND		1.0	0.37
67-66-3	Chloroform	ND		1.0	0.22
74-87-3	Chloromethane	ND		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
110-82-7	Cyclohexane	ND		1.0	0.26
75-27-4	Bromodichloromethane	ND		1.0	0.15
75-71-8	Dichlorodifluoromethane	ND		1.0	0.14
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.32
79-20-9	Methyl acetate	ND		5.0	0.58

DMK 1/9/18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-05D | Lab Sample ID: 480-128653-9

Matrix: Water | Lab File ID: N61446.D

Analysis Method: 8260C | Date Collected: 12/04/2017 15:40

Sample wt/vol: 5(mL) | Date Analyzed: 12/10/2017 08:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483059 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.13
108-87-2	Methylcyclohexane	ND		1.0	0.22
75-09-2	Methylene Chloride	ND		1.0	0.21
127-18-4	Tetrachloroethene	ND		1.0	0.12
108-88-3	Toluene	ND		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.22
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.060
1330-20-7	Xylenes, Total	ND		2.0	0.28
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.16
100-42-5	Styrene	ND		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		74-132
2037-26-5	Toluene-d8 (Surr)	104		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		72-131
460-00-4	4-Bromofluorobenzene	103		77-124

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

Lab Name: TestAmerica Edison Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-05D Lab Sample ID: 480-128653-9

Matrix: Water Lab File ID: N61446.D

Analysis Method: 8260C Date Collected: 12/04/2017 15:40

Sample wt/vol: 5(mL) Date Analyzed: 12/10/2017 08:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 483059 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-05I | Lab Sample ID: 480-128653-8

Matrix: Water | Lab File ID: N61445.D

Analysis Method: 8260C | Date Collected: 12/04/2017 15:40

Sample wt/vol: 5(mL) | Date Analyzed: 12/10/2017 08:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483059 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.080
75-34-3	1,1-Dichloroethane	ND		1.0	0.24
75-35-4	1,1-Dichloroethene	ND		1.0	0.34
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.23
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.22
107-06-2	1,2-Dichloroethane	ND		1.0	0.25
78-87-5	1,2-Dichloropropane	ND		1.0	0.18
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.33
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND		5.0	2.2
591-78-6	2-Hexanone	ND		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.63
67-64-1	Acetone	2.5	J	5.0	1.1
71-43-2	Benzene	ND		1.0	0.090
75-25-2	Bromoform	ND	UJ	1.0	0.18
74-83-9	Bromomethane	ND		1.0	0.18
75-15-0	Carbon disulfide	ND		1.0	0.22
56-23-5	Carbon tetrachloride	ND		1.0	0.33
108-90-7	Chlorobenzene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.22
75-00-3	Chloroethane	ND		1.0	0.37
67-66-3	Chloroform	ND		1.0	0.22
74-87-3	Chloromethane	ND		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
110-82-7	Cyclohexane	ND		1.0	0.26
75-27-4	Bromodichloromethane	ND		1.0	0.15
75-71-8	Dichlorodifluoromethane	ND		1.0	0.14
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.32
79-20-9	Methyl acetate	ND		5.0	0.58

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-05I Lab Sample ID: 480-128653-8

Matrix: Water Lab File ID: N61445.D

Analysis Method: 8260C Date Collected: 12/04/2017 15:40

Sample wt/vol: 5(mL) Date Analyzed: 12/10/2017 08:06

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 483059 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.13
108-87-2	Methylcyclohexane	ND		1.0	0.22
75-09-2	Methylene Chloride	ND		1.0	0.21
127-18-4	Tetrachloroethene	ND		1.0	0.12
108-88-3	Toluene	ND		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.22
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.060
1330-20-7	Xylenes, Total	ND		2.0	0.28
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.16
100-42-5	Styrene	ND		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		74-132
2037-26-5	Toluene-d8 (Surr)	105		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		72-131
460-00-4	4-Bromofluorobenzene	103		77-124

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

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-05I | Lab Sample ID: 480-128653-8

Matrix: Water | Lab File ID: N61445.D

Analysis Method: 8260C | Date Collected: 12/04/2017 15:40

Sample wt/vol: 5(mL) | Date Analyzed: 12/10/2017 08:06

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483059 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-05S | Lab Sample ID: 480-128653-7

Matrix: Water | Lab File ID: N61436.D

Analysis Method: 8260C | Date Collected: 12/04/2017 16:35

Sample wt/vol: 5(mL) | Date Analyzed: 12/09/2017 23:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483036 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.080
75-34-3	1,1-Dichloroethane	ND		1.0	0.24
75-35-4	1,1-Dichloroethene	ND		1.0	0.34
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.23
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.22
107-06-2	1,2-Dichloroethane	ND		1.0	0.25
78-87-5	1,2-Dichloropropane	ND		1.0	0.18
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.33
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND		5.0	2.2
591-78-6	2-Hexanone	ND		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.63
67-64-1	Acetone	3.4	J	5.0	1.1
71-43-2	Benzene	ND		1.0	0.090
75-25-2	Bromoform	ND	UJ	1.0	0.18
74-83-9	Bromomethane	ND		1.0	0.18
75-15-0	Carbon disulfide	ND		1.0	0.22
56-23-5	Carbon tetrachloride	ND		1.0	0.33
108-90-7	Chlorobenzene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.22
75-00-3	Chloroethane	ND		1.0	0.37
67-66-3	Chloroform	ND		1.0	0.22
74-87-3	Chloromethane	ND		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
110-82-7	Cyclohexane	ND		1.0	0.26
75-27-4	Bromodichloromethane	ND		1.0	0.15
75-71-8	Dichlorodifluoromethane	ND		1.0	0.14
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.32
79-20-9	Methyl acetate	ND		5.0	0.58

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-05S Lab Sample ID: 480-128653-7

Matrix: Water Lab File ID: N61436.D

Analysis Method: 8260C Date Collected: 12/04/2017 16:35

Sample wt/vol: 5(mL) Date Analyzed: 12/09/2017 23:01

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 483036 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.13
108-87-2	Methylcyclohexane	ND		1.0	0.22
75-09-2	Methylene Chloride	ND		1.0	0.21
127-18-4	Tetrachloroethene	ND		1.0	0.12
108-88-3	Toluene	ND		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.22
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.060
1330-20-7	Xylenes, Total	ND		2.0	0.28
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.16
100-42-5	Styrene	ND		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		74-132
2037-26-5	Toluene-d8 (Surr)	102		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		72-131
460-00-4	4-Bromofluorobenzene	101		77-124

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

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-05S | Lab Sample ID: 480-128653-7

Matrix: Water | Lab File ID: N61436.D

Analysis Method: 8260C | Date Collected: 12/04/2017 16:35

Sample wt/vol: 5(mL) | Date Analyzed: 12/09/2017 23:01

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483036 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-07I | Lab Sample ID: 480-128653-14

Matrix: Water | Lab File ID: N61451.D

Analysis Method: 8260C | Date Collected: 12/05/2017 08:20

Sample wt/vol: 5(mL) | Date Analyzed: 12/10/2017 10:31

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483059 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.080
75-34-3	1,1-Dichloroethane	ND		1.0	0.24
75-35-4	1,1-Dichloroethene	ND		1.0	0.34
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.23
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.22
107-06-2	1,2-Dichloroethane	ND		1.0	0.25
78-87-5	1,2-Dichloropropane	ND		1.0	0.18
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.33
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND		5.0	2.2
591-78-6	2-Hexanone	ND		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.63
67-64-1	Acetone	2.9	J	5.0	1.1
71-43-2	Benzene	ND		1.0	0.090
75-25-2	Bromoform	ND	UJ	1.0	0.18
74-83-9	Bromomethane	ND		1.0	0.18
75-15-0	Carbon disulfide	ND		1.0	0.22
56-23-5	Carbon tetrachloride	ND		1.0	0.33
108-90-7	Chlorobenzene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.22
75-00-3	Chloroethane	ND		1.0	0.37
67-66-3	Chloroform	ND		1.0	0.22
74-87-3	Chloromethane	ND		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
110-82-7	Cyclohexane	ND		1.0	0.26
75-27-4	Bromodichloromethane	ND		1.0	0.15
75-71-8	Dichlorodifluoromethane	ND		1.0	0.14
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.32
79-20-9	Methyl acetate	ND		5.0	0.58

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-07I Lab Sample ID: 480-128653-14

Matrix: Water Lab File ID: N61451.D

Analysis Method: 8260C Date Collected: 12/05/2017 08:20

Sample wt/vol: 5(mL) Date Analyzed: 12/10/2017 10:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 483059 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.13
108-87-2	Methylcyclohexane	ND		1.0	0.22
75-09-2	Methylene Chloride	ND		1.0	0.21
127-18-4	Tetrachloroethene	ND		1.0	0.12
108-88-3	Toluene	ND		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.22
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.060
1330-20-7	Xylenes, Total	ND		2.0	0.28
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.16
100-42-5	Styrene	ND		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		74-132
2037-26-5	Toluene-d8 (Surr)	104		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		72-131
460-00-4	4-Bromofluorobenzene	101		77-124

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

Lab Name: TestAmerica Edison Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-07I Lab Sample ID: 480-128653-14

Matrix: Water Lab File ID: N61451.D

Analysis Method: 8260C Date Collected: 12/05/2017 08:20

Sample wt/vol: 5(mL) Date Analyzed: 12/10/2017 10:31

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 483059 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-07S Lab Sample ID: 480-128653-13

Matrix: Water Lab File ID: N61450.D

Analysis Method: 8260C Date Collected: 12/05/2017 08:20

Sample wt/vol: 5(mL) Date Analyzed: 12/10/2017 10:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 483059 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.080
75-34-3	1,1-Dichloroethane	ND		1.0	0.24
75-35-4	1,1-Dichloroethene	ND		1.0	0.34
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	ND	U	1.0	0.23
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.22
107-06-2	1,2-Dichloroethane	ND		1.0	0.25
78-87-5	1,2-Dichloropropane	ND		1.0	0.18
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.33
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND		5.0	2.2
591-78-6	2-Hexanone	ND		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.63
67-64-1	Acetone	ND		5.0	1.1
71-43-2	Benzene	ND		1.0	0.090
75-25-2	Bromoform	ND	U	1.0	0.18
74-83-9	Bromomethane	ND		1.0	0.18
75-15-0	Carbon disulfide	ND		1.0	0.22
56-23-5	Carbon tetrachloride	ND		1.0	0.33
108-90-7	Chlorobenzene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.22
75-00-3	Chloroethane	ND		1.0	0.37
67-66-3	Chloroform	ND		1.0	0.22
74-87-3	Chloromethane	ND		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
110-82-7	Cyclohexane	ND		1.0	0.26
75-27-4	Bromodichloromethane	ND		1.0	0.15
75-71-8	Dichlorodifluoromethane	ND		1.0	0.14
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.32
79-20-9	Methyl acetate	ND		5.0	0.58

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-07S Lab Sample ID: 480-128653-13

Matrix: Water Lab File ID: N61450.D

Analysis Method: 8260C Date Collected: 12/05/2017 08:20

Sample wt/vol: 5(mL) Date Analyzed: 12/10/2017 10:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 483059 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.13
108-87-2	Methylcyclohexane	ND		1.0	0.22
75-09-2	Methylene Chloride	ND		1.0	0.21
127-18-4	Tetrachloroethene	ND		1.0	0.12
108-88-3	Toluene	ND		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.22
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.060
1330-20-7	Xylenes, Total	ND		2.0	0.28
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.16
100-42-5	Styrene	ND		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		74-132
2037-26-5	Toluene-d8 (Surr)	104		80-120
1868-53-7	Dibromofluoromethane (Surr)	97		72-131
460-00-4	4-Bromofluorobenzene	103		77-124

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

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-07S | Lab Sample ID: 480-128653-13

Matrix: Water | Lab File ID: N61450.D

Analysis Method: 8260C | Date Collected: 12/05/2017 08:20

Sample wt/vol: 5(mL) | Date Analyzed: 12/10/2017 10:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483059 | Units: ug/L

Number TICs Found: 6 | TIC Result Total: 83.6

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
3183-41-3	Cycloheptanone, 2-ethyl-	12.21	16	T J N	87%
	Unknown	12.25	7.8	T J	
4265-25-2	Benzofuran, 2-methyl-	12.48	6.7	T J N	97%
38468-47-2	2-Ethyl-5-propylcyclopentanone	12.98	24	T J N	98%
	Unknown	13.50	6.1	T J	
	Unknown	13.77	23	T J	

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-09S | Lab Sample ID: 480-128653-15

Matrix: Water | Lab File ID: N61452.D

Analysis Method: 8260C | Date Collected: 12/05/2017 10:40

Sample wt/vol: 5(mL) | Date Analyzed: 12/10/2017 10:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 | ID: 0.25(mm)

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

Analysis Batch No.: 483059 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.080
75-34-3	1,1-Dichloroethane	ND		1.0	0.24
75-35-4	1,1-Dichloroethene	ND		1.0	0.34
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.23
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.22
107-06-2	1,2-Dichloroethane	ND		1.0	0.25
78-87-5	1,2-Dichloropropane	ND		1.0	0.18
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.33
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND		5.0	2.2
591-78-6	2-Hexanone	ND		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.63
67-64-1	Acetone	2.9	J	5.0	1.1
71-43-2	Benzene	ND		1.0	0.090
75-25-2	Bromoform	ND	UJ	1.0	0.18
74-83-9	Bromomethane	ND		1.0	0.18
75-15-0	Carbon disulfide	ND		1.0	0.22
56-23-5	Carbon tetrachloride	ND		1.0	0.33
108-90-7	Chlorobenzene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.22
75-00-3	Chloroethane	ND		1.0	0.37
67-66-3	Chloroform	ND		1.0	0.22
74-87-3	Chloromethane	ND		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
110-82-7	Cyclohexane	ND		1.0	0.26
75-27-4	Bromodichloromethane	ND		1.0	0.15
75-71-8	Dichlorodifluoromethane	ND		1.0	0.14
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.32
79-20-9	Methyl acetate	ND		5.0	0.58

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-09S Lab Sample ID: 480-128653-15

Matrix: Water Lab File ID: N61452.D

Analysis Method: 8260C Date Collected: 12/05/2017 10:40

Sample wt/vol: 5(mL) Date Analyzed: 12/10/2017 10:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 483059 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.13
108-87-2	Methylcyclohexane	ND		1.0	0.22
75-09-2	Methylene Chloride	ND		1.0	0.21
127-18-4	Tetrachloroethene	ND		1.0	0.12
108-88-3	Toluene	ND		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.22
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.060
1330-20-7	Xylenes, Total	ND		2.0	0.28
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.16
100-42-5	Styrene	ND		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		74-132
2037-26-5	Toluene-d8 (Surr)	103		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		72-131
460-00-4	4-Bromofluorobenzene	101		77-124

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

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-09S | Lab Sample ID: 480-128653-15

Matrix: Water | Lab File ID: N61452.D

Analysis Method: 8260C | Date Collected: 12/05/2017 10:40

Sample wt/vol: 5(mL) | Date Analyzed: 12/10/2017 10:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483059 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-10I Lab Sample ID: 480-128653-17

Matrix: Water Lab File ID: N61454.D

Analysis Method: 8260C Date Collected: 12/05/2017 09:30

Sample wt/vol: 5(mL) Date Analyzed: 12/10/2017 11:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 483059 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.080
75-34-3	1,1-Dichloroethane	ND		1.0	0.24
75-35-4	1,1-Dichloroethene	ND		1.0	0.34
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	ND	UJ	1.0	0.23
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.22
107-06-2	1,2-Dichloroethane	ND		1.0	0.25
78-87-5	1,2-Dichloropropane	ND		1.0	0.18
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.33
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND		5.0	2.2
591-78-6	2-Hexanone	ND		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.63
67-64-1	Acetone	3.3	J	5.0	1.1
71-43-2	Benzene	ND		1.0	0.090
75-25-2	Bromoform	ND	UJ	1.0	0.18
74-83-9	Bromomethane	ND		1.0	0.18
75-15-0	Carbon disulfide	ND		1.0	0.22
56-23-5	Carbon tetrachloride	ND		1.0	0.33
108-90-7	Chlorobenzene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.22
75-00-3	Chloroethane	ND		1.0	0.37
67-66-3	Chloroform	ND		1.0	0.22
74-87-3	Chloromethane	ND		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
110-82-7	Cyclohexane	ND		1.0	0.26
75-27-4	Bromodichloromethane	ND		1.0	0.15
75-71-8	Dichlorodifluoromethane	ND		1.0	0.14
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.32
79-20-9	Methyl acetate	ND		5.0	0.58

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-10I Lab Sample ID: 480-128653-17

Matrix: Water Lab File ID: N61454.D

Analysis Method: 8260C Date Collected: 12/05/2017 09:30

Sample wt/vol: 5(mL) Date Analyzed: 12/10/2017 11:40

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 483059 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.13
108-87-2	Methylcyclohexane	ND		1.0	0.22
75-09-2	Methylene Chloride	ND		1.0	0.21
127-18-4	Tetrachloroethene	ND		1.0	0.12
108-88-3	Toluene	ND		1.0	0.25
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.22
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.060
1330-20-7	Xylenes, Total	ND		2.0	0.28
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.16
100-42-5	Styrene	ND		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		74-132
2037-26-5	Toluene-d8 (Surr)	103		80-120
1868-53-7	Dibromofluoromethane (Surr)	96		72-131
460-00-4	4-Bromofluorobenzene	100		77-124

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

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-10I | Lab Sample ID: 480-128653-17

Matrix: Water | Lab File ID: N61454.D

Analysis Method: 8260C | Date Collected: 12/05/2017 09:30

Sample wt/vol: 5(mL) | Date Analyzed: 12/10/2017 11:40

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483059 | Units: ug/L

Number TICs Found: 0 | TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-10S | Lab Sample ID: 480-128653-16

Matrix: Water | Lab File ID: N61453.D

Analysis Method: 8260C | Date Collected: 12/05/2017 10:20

Sample wt/vol: 5(mL) | Date Analyzed: 12/10/2017 11:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483059 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	ND		1.0	0.28
79-34-5	1,1,2,2-Tetrachloroethane	ND		1.0	0.19
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.34
79-00-5	1,1,2-Trichloroethane	ND		1.0	0.080
75-34-3	1,1-Dichloroethane	ND		1.0	0.24
75-35-4	1,1-Dichloroethene	ND		1.0	0.34
120-82-1	1,2,4-Trichlorobenzene	ND		1.0	0.27
96-12-8	1,2-Dibromo-3-Chloropropane	ND	J5	1.0	0.23
95-50-1	1,2-Dichlorobenzene	ND		1.0	0.22
107-06-2	1,2-Dichloroethane	ND		1.0	0.25
78-87-5	1,2-Dichloropropane	ND		1.0	0.18
541-73-1	1,3-Dichlorobenzene	ND		1.0	0.33
106-46-7	1,4-Dichlorobenzene	ND		1.0	0.33
78-93-3	2-Butanone (MEK)	ND		5.0	2.2
591-78-6	2-Hexanone	ND		5.0	0.72
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		5.0	0.63
67-64-1	Acetone	4.3	J	5.0	1.1
71-43-2	Benzene	0.31	J	1.0	0.090
75-25-2	Bromoform	ND	J5	1.0	0.18
74-83-9	Bromomethane	ND		1.0	0.18
75-15-0	Carbon disulfide	ND		1.0	0.22
56-23-5	Carbon tetrachloride	ND		1.0	0.33
108-90-7	Chlorobenzene	ND		1.0	0.24
124-48-1	Dibromochloromethane	ND		1.0	0.22
75-00-3	Chloroethane	ND		1.0	0.37
67-66-3	Chloroform	ND		1.0	0.22
74-87-3	Chloromethane	ND		1.0	0.22
156-59-2	cis-1,2-Dichloroethene	ND		1.0	0.26
110-82-7	Cyclohexane	ND		1.0	0.26
75-27-4	Bromodichloromethane	ND		1.0	0.15
75-71-8	Dichlorodifluoromethane	ND		1.0	0.14
100-41-4	Ethylbenzene	ND		1.0	0.30
106-93-4	1,2-Dibromoethane	ND		1.0	0.19
98-82-8	Isopropylbenzene	ND		1.0	0.32
79-20-9	Methyl acetate	ND		5.0	0.58

CRLK 1/9/18

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-10S | Lab Sample ID: 480-128653-16

Matrix: Water | Lab File ID: N61453.D

Analysis Method: 8260C | Date Collected: 12/05/2017 10:20

Sample wt/vol: 5(mL) | Date Analyzed: 12/10/2017 11:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483059 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1634-04-4	Methyl tert-butyl ether	ND		1.0	0.13
108-87-2	Methylcyclohexane	ND		1.0	0.22
75-09-2	Methylene Chloride	ND		1.0	0.21
127-18-4	Tetrachloroethene	ND		1.0	0.12
108-88-3	Toluene	0.31	J	1.0	0.25
156-60-5	trans-1,2-Dichloroethene	ND		1.0	0.18
10061-02-6	trans-1,3-Dichloropropene	ND		1.0	0.19
79-01-6	Trichloroethene	ND		1.0	0.22
75-69-4	Trichlorofluoromethane	ND		1.0	0.15
75-01-4	Vinyl chloride	ND		1.0	0.060
1330-20-7	Xylenes, Total	0.36	J	2.0	0.28
10061-01-5	cis-1,3-Dichloropropene	ND		1.0	0.16
100-42-5	Styrene	ND		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		74-132
2037-26-5	Toluene-d8 (Surr)	104		80-120
1868-53-7	Dibromofluoromethane (Surr)	98		72-131
460-00-4	4-Bromofluorobenzene	103		77-124

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

Lab Name: TestAmerica Edison | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-10S | Lab Sample ID: 480-128653-16

Matrix: Water | Lab File ID: N61453.D

Analysis Method: 8260C | Date Collected: 12/05/2017 10:20

Sample wt/vol: 5(mL) | Date Analyzed: 12/10/2017 11:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: Rtx-624 ID: 0.25(mm)

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

Analysis Batch No.: 483059 | Units: ug/L

Number TICs Found: 10 | TIC Result Total: 153.7

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
3183-41-3	Cycloheptanone, 2-ethyl-	12.21	19	T J N	87%
589-92-4	Cyclohexanone, 4-methyl-	12.25	7.8	T J N	70%
4265-25-2	Benzofuran, 2-methyl-	12.48	16	T J N	97%
	Unknown	12.53	6.6	T J	
932-56-9	Cycloheptanone, 2-methyl-	13.01	14	T J N	86%
	Unknown	13.23	14	T J	
	Unknown	13.33	13	T J	
	Unknown	13.78	27	T J	
	Unknown	14.09	9.3	T J	
	Unknown	14.31	27	T J	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B1D | Lab Sample ID: 480-128653-12

Matrix: Water | Lab File ID: W2018.D

Analysis Method: 8270D | Date Collected: 12/05/2017 11:10

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 21:48

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B1D | Lab Sample ID: 480-128653-12

Matrix: Water | Lab File ID: W2018.D

Analysis Method: 8270D | Date Collected: 12/05/2017 11:10

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 21:48

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	*Caprolactam*	25C ~~320~~	E D	*5.0*	*2.2*
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	0.86	J	5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

12/18/17

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

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1
SDG No.:
Client Sample ID: MW-B1D | Lab Sample ID: 480-128653-12
Matrix: Water | Lab File ID: W2018.D
Analysis Method: 8270D | Date Collected: 12/05/2017 11:10
Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15
Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 21:48
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 391444 | Units: ug/L
Number TICs Found: 10 | TIC Result Total: 246.8

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.75	180	T J	
	Unknown	2.50	2.3	T J	
	Unknown	3.59	51	T J	
108-38-3	Benzene, 1,3-dimethyl-	3.95	1.6	T J N	94%
106-42-3	p-Xylene	3.96	2.3	T J N	94%
541-02-6	Cyclopentasiloxane, decamethyl-	6.04	2.0	T J N	91%
	Unknown	6.91	1.6	T J	
	Unknown	9.12	1.9	T J	
	Unknown	12.05	2.2	T J	
	Unknown	17.32	1.9	T J	

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B1D DL | Lab Sample ID: 480-128653-12 DL

Matrix: Water | Lab File ID: W2057.D

Analysis Method: 8270D | Date Collected: 12/05/2017 11:10

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2017 17:00

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391652 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		50	6.5
108-60-1	bis (2-chloroisopropyl) ether	ND		50	5.2
95-95-4	2,4,5-Trichlorophenol	ND		50	4.8
88-06-2	2,4,6-Trichlorophenol	ND		50	6.1
120-83-2	2,4-Dichlorophenol	ND		50	5.1
105-67-9	2,4-Dimethylphenol	ND		50	5.0
51-28-5	2,4-Dinitrophenol	ND		100	22
121-14-2	2,4-Dinitrotoluene	ND		50	4.5
606-20-2	2,6-Dinitrotoluene	ND		50	4.0
91-58-7	2-Chloronaphthalene	ND		50	4.6
95-57-8	2-Chlorophenol	ND		50	5.3
91-57-6	2-Methylnaphthalene	ND		50	6.0
95-48-7	2-Methylphenol	ND		50	4.0
88-74-4	2-Nitroaniline	ND		100	4.2
88-75-5	2-Nitrophenol	ND		50	4.8
91-94-1	3,3'-Dichlorobenzidine	ND		50	4.0
99-09-2	3-Nitroaniline	ND		100	4.8
534-52-1	4,6-Dinitro-2-methylphenol	ND		100	22
101-55-3	4-Bromophenyl phenyl ether	ND		50	4.5
59-50-7	4-Chloro-3-methylphenol	ND		50	4.5
106-47-8	4-Chloroaniline	ND		50	5.9
7005-72-3	4-Chlorophenyl phenyl ether	ND		50	3.5
106-44-5	4-Methylphenol	ND		100	3.6
100-01-6	4-Nitroaniline	ND		100	2.5
100-02-7	4-Nitrophenol	ND		100	15
83-32-9	Acenaphthene	ND		50	4.1
208-96-8	Acenaphthylene	ND		50	3.8
98-86-2	Acetophenone	ND		50	5.4
120-12-7	Anthracene	ND		50	2.8
1912-24-9	Atrazine	ND		50	4.6
100-52-7	Benzaldehyde	ND		50	2.7
56-55-3	Benzo(a)anthracene	ND		50	3.6
50-32-8	Benzo(a)pyrene	ND		50	4.7
205-99-2	Benzo(b)fluoranthene	ND		50	3.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B1D DL | Lab Sample ID: 480-128653-12 DL

Matrix: Water | Lab File ID: W2057.D

Analysis Method: 8270D | Date Collected: 12/05/2017 11:10

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2017 17:00

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391652 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		50	3.5
207-08-9	Benzo(k)fluoranthene	ND		50	7.3
111-91-1	Bis(2-chloroethoxy)methane	ND		50	3.5
111-44-4	Bis(2-chloroethyl)ether	ND		50	4.0
117-81-7	Bis(2-ethylhexyl) phthalate	ND		50	22
85-68-7	Butyl benzyl phthalate	ND		50	10
105-60-2	Caprolactam	280		50	22
86-74-8	Carbazole	ND		50	3.0
218-01-9	Chrysene	ND		50	3.3
84-74-2	Di-n-butyl phthalate	ND		50	3.1
117-84-0	Di-n-octyl phthalate	ND		50	4.7
53-70-3	Dibenz(a,h)anthracene	ND		50	4.2
132-64-9	Dibenzofuran	ND		100	5.1
84-66-2	Diethyl phthalate	ND		50	2.2
131-11-3	Dimethyl phthalate	ND		50	3.6
206-44-0	Fluoranthene	ND		50	4.0
86-73-7	Fluorene	ND		50	3.6
118-74-1	Hexachlorobenzene	ND		50	5.1
87-68-3	Hexachlorobutadiene	ND		50	6.8
77-47-4	Hexachlorocyclopentadiene	ND		50	5.9
67-72-1	Hexachloroethane	ND		50	5.9
193-39-5	Indeno(1,2,3-cd)pyrene	ND		50	4.7
78-59-1	Isophorone	ND		50	4.3
621-64-7	N-Nitrosodi-n-propylamine	ND		50	5.4
86-30-6	N-Nitrosodiphenylamine	ND		50	5.1
91-20-3	Naphthalene	ND		50	7.6
98-95-3	Nitrobenzene	ND		50	2.9
87-86-5	Pentachlorophenol	ND		100	22
85-01-8	Phenanthrene	ND		50	4.4
108-95-2	Phenol	ND		50	3.9
129-00-0	Pyrene	ND		50	3.4

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

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1
SDG No.:
Client Sample ID: MW-B1D DL | Lab Sample ID: 480-128653-12 DL
Matrix: Water | Lab File ID: W2057.D
Analysis Method: 8270D | Date Collected: 12/05/2017 11:10
Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15
Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2017 17:00
Con. Extract Vol.: 1(mL) | Dilution Factor: 10
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 391652 | Units: ug/L
Number TICs Found: 1 | TIC Result Total: 51

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	3.55	51	T J	

1/10/18

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B1S | Lab Sample ID: 480-128653-11

Matrix: Water | Lab File ID: W2017.D

Analysis Method: 8270D | Date Collected: 12/05/2017 11:15

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 50(mL) | Date Analyzed: 12/11/2017 21:19

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		25	3.3
108-60-1	bis (2-chloroisopropyl) ether	ND		25	2.6
95-95-4	2,4,5-Trichlorophenol	ND		25	2.4
88-06-2	2,4,6-Trichlorophenol	ND		25	3.1
120-83-2	2,4-Dichlorophenol	ND		25	2.6
105-67-9	2,4-Dimethylphenol	ND		25	2.5
51-28-5	2,4-Dinitrophenol	ND		50	11
121-14-2	2,4-Dinitrotoluene	ND		25	2.2
606-20-2	2,6-Dinitrotoluene	ND		25	2.0
91-58-7	2-Chloronaphthalene	ND		25	2.3
95-57-8	2-Chlorophenol	ND		25	2.7
91-57-6	2-Methylnaphthalene	ND		25	3.0
95-48-7	2-Methylphenol	ND		25	2.0
88-74-4	2-Nitroaniline	ND		50	2.1
88-75-5	2-Nitrophenol	ND		25	2.4
91-94-1	3,3'-Dichlorobenzidine	ND		25	2.0
99-09-2	3-Nitroaniline	ND		50	2.4
534-52-1	4,6-Dinitro-2-methylphenol	ND		50	11
101-55-3	4-Bromophenyl phenyl ether	ND		25	2.3
59-50-7	4-Chloro-3-methylphenol	ND		25	2.3
106-47-8	4-Chloroaniline	ND		25	3.0
7005-72-3	4-Chlorophenyl phenyl ether	ND		25	1.8
106-44-5	4-Methylphenol	ND		50	1.8
100-01-6	4-Nitroaniline	ND		50	1.3
100-02-7	4-Nitrophenol	ND		50	7.6
83-32-9	Acenaphthene	ND		25	2.1
208-96-8	Acenaphthylene	ND		25	1.9
98-86-2	Acetophenone	ND		25	2.7
120-12-7	Anthracene	ND		25	1.4
1912-24-9	Atrazine	ND		25	2.3
100-52-7	Benzaldehyde	ND		25	1.3
56-55-3	Benzo(a)anthracene	1.9	J	25	1.8
50-32-8	Benzo(a)pyrene	ND		25	2.4
205-99-2	Benzo(b)fluoranthene	2.2	J	25	1.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B1S | Lab Sample ID: 480-128653-11

Matrix: Water | Lab File ID: W2017.D

Analysis Method: 8270D | Date Collected: 12/05/2017 11:15

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 50(mL) | Date Analyzed: 12/11/2017 21:19

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		25	1.8
207-08-9	Benzo(k)fluoranthene	ND		25	3.7
111-91-1	Bis(2-chloroethoxy)methane	ND		25	1.8
111-44-4	Bis(2-chloroethyl)ether	ND		25	2.0
117-81-7	Bis(2-ethylhexyl) phthalate	ND		25	11
85-68-7	Butyl benzyl phthalate	ND		25	5.0
105-60-2	*Caprolactam*	1700 ~~1800~~	E D	*25*	*11*
86-74-8	Carbazole	ND		25	1.5
218-01-9	Chrysene	ND		25	1.7
84-74-2	Di-n-butyl phthalate	ND		25	1.6
117-84-0	Di-n-octyl phthalate	ND		25	2.4
53-70-3	Dibenz(a,h)anthracene	ND		25	2.1
132-64-9	Dibenzofuran	ND		50	2.6
84-66-2	Diethyl phthalate	ND		25	1.1
131-11-3	Dimethyl phthalate	ND		25	1.8
206-44-0	Fluoranthene	4.4	J	25	2.0
86-73-7	Fluorene	ND		25	1.8
118-74-1	Hexachlorobenzene	ND		25	2.6
87-68-3	Hexachlorobutadiene	ND		25	3.4
77-47-4	Hexachlorocyclopentadiene	ND		25	3.0
67-72-1	Hexachloroethane	ND		25	3.0
193-39-5	Indeno(1,2,3-cd)pyrene	ND		25	2.4
78-59-1	Isophorone	ND		25	2.2
621-64-7	N-Nitrosodi-n-propylamine	ND		25	2.7
86-30-6	N-Nitrosodiphenylamine	ND		25	2.6
91-20-3	Naphthalene	ND		25	3.8
98-95-3	Nitrobenzene	ND		25	1.5
87-86-5	Pentachlorophenol	ND		50	11
85-01-8	Phenanthrene	ND		25	2.2
108-95-2	Phenol	ND		25	2.0
129-00-0	Pyrene	4.5	J	25	1.7

11/01/18

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

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1
SDG No.:
Client Sample ID: MW-B1S | Lab Sample ID: 480-128653-11
Matrix: Water | Lab File ID: W2017.D
Analysis Method: 8270D | Date Collected: 12/05/2017 11:15
Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15
Sample wt/vol: 50(mL) | Date Analyzed: 12/11/2017 21:19
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 391444 | Units: ug/L
Number TICs Found: 8 | TIC Result Total: 1295.8

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.75	970	T J	
	Unknown	2.50	12	T J	
	Unknown	3.59	240	T J	
95-47-6	Benzene, 1,2-dimethyl-	3.95	9.8	T J N	94%
108-38-3	Benzene, 1,3-dimethyl-	3.96	10	T J N	93%
541-02-6	Cyclopentasiloxane, decamethyl-	6.04	16	T J N	87%
540-97-6	Cyclohexasiloxane, dodecamethyl-	6.91	10	T J N	91%
	Unknown	8.21	28	T J	

1/10/18

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B1S DL | Lab Sample ID: 480-128653-11 DL

Matrix: Water | Lab File ID: W2056.D

Analysis Method: 8270D | Date Collected: 12/05/2017 11:15

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 50(mL) | Date Analyzed: 12/12/2017 16:31

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391652 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		250	33
108-60-1	bis (2-chloroisopropyl) ether	ND		250	26
95-95-4	2,4,5-Trichlorophenol	ND		250	24
88-06-2	2,4,6-Trichlorophenol	ND		250	31
120-83-2	2,4-Dichlorophenol	ND		250	26
105-67-9	2,4-Dimethylphenol	ND		250	25
51-28-5	2,4-Dinitrophenol	ND		500	110
121-14-2	2,4-Dinitrotoluene	ND		250	22
606-20-2	2,6-Dinitrotoluene	ND		250	20
91-58-7	2-Chloronaphthalene	ND		250	23
95-57-8	2-Chlorophenol	ND		250	27
91-57-6	2-Methylnaphthalene	ND		250	30
95-48-7	2-Methylphenol	ND		250	20
88-74-4	2-Nitroaniline	ND		500	21
88-75-5	2-Nitrophenol	ND		250	24
91-94-1	3,3'-Dichlorobenzidine	ND		250	20
99-09-2	3-Nitroaniline	ND		500	24
534-52-1	4,6-Dinitro-2-methylphenol	ND		500	110
101-55-3	4-Bromophenyl phenyl ether	ND		250	23
59-50-7	4-Chloro-3-methylphenol	ND		250	23
106-47-8	4-Chloroaniline	ND		250	30
7005-72-3	4-Chlorophenyl phenyl ether	ND		250	18
106-44-5	4-Methylphenol	ND		500	18
100-01-6	4-Nitroaniline	ND		500	13
100-02-7	4-Nitrophenol	ND		500	76
83-32-9	Acenaphthene	ND		250	21
208-96-8	Acenaphthylene	ND		250	19
98-86-2	Acetophenone	ND		250	27
120-12-7	Anthracene	ND		250	14
1912-24-9	Atrazine	ND		250	23
100-52-7	Benzaldehyde	ND		250	13
56-55-3	Benzo(a)anthracene	ND		250	18
50-32-8	Benzo(a)pyrene	ND		250	24
205-99-2	Benzo(b)fluoranthene	ND		250	17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B1S DL | Lab Sample ID: 480-128653-11 DL

Matrix: Water | Lab File ID: W2056.D

Analysis Method: 8270D | Date Collected: 12/05/2017 11:15

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 50(mL) | Date Analyzed: 12/12/2017 16:31

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391652 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		250	18
207-08-9	Benzo(k)fluoranthene	ND		250	37
111-91-1	Bis(2-chloroethoxy)methane	ND		250	18
111-44-4	Bis(2-chloroethyl)ether	ND		250	20
117-81-7	Bis(2-ethylhexyl) phthalate	ND		250	110
85-68-7	Butyl benzyl phthalate	ND		250	50
105-60-2	Caprolactam	1700		250	110
86-74-8	Carbazole	ND		250	15
218-01-9	Chrysene	ND		250	17
84-74-2	Di-n-butyl phthalate	ND		250	16
117-84-0	Di-n-octyl phthalate	ND		250	24
53-70-3	Dibenz(a,h)anthracene	ND		250	21
132-64-9	Dibenzofuran	ND		500	26
84-66-2	Diethyl phthalate	ND		250	11
131-11-3	Dimethyl phthalate	ND		250	18
206-44-0	Fluoranthene	ND		250	20
86-73-7	Fluorene	ND		250	18
118-74-1	Hexachlorobenzene	ND		250	26
87-68-3	Hexachlorobutadiene	ND		250	34
77-47-4	Hexachlorocyclopentadiene	ND		250	30
67-72-1	Hexachloroethane	ND		250	30
193-39-5	Indeno(1,2,3-cd)pyrene	ND		250	24
78-59-1	Isophorone	ND		250	22
621-64-7	N-Nitrosodi-n-propylamine	ND		250	27
86-30-6	N-Nitrosodiphenylamine	ND		250	26
91-20-3	Naphthalene	ND		250	38
98-95-3	Nitrobenzene	ND		250	15
87-86-5	Pentachlorophenol	ND		500	110
85-01-8	Phenanthrene	ND		250	22
108-95-2	Phenol	ND		250	20
129-00-0	Pyrene	ND		250	17

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

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1
SDG No.:
Client Sample ID: MW-B1S DL | Lab Sample ID: 480-128653-11 DL
Matrix: Water | Lab File ID: W2056.D
Analysis Method: 8270D | Date Collected: 12/05/2017 11:15
Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15
Sample wt/vol: 50(mL) | Date Analyzed: 12/12/2017 16:31
Con. Extract Vol.: 1(mL) | Dilution Factor: 10
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 391652 | Units: ug/L
Number TICs Found: 2 | TIC Result Total: 331

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	3.55	240	T J	
541-02-6	Cyclopentasiloxane, decamethyl-	6.04	91	T J N	87%

11/6/18

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B3D | Lab Sample ID: 480-128653-6

Matrix: Water | Lab File ID: W2007.D

Analysis Method: 8270D | Date Collected: 12/04/2017 14:25

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 16:34

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B3D | Lab Sample ID: 480-128653-6

Matrix: Water | Lab File ID: W2007.D

Analysis Method: 8270D | Date Collected: 12/04/2017 14:25

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 16:34

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

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

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1
SDG No.:
Client Sample ID: MW-B3D | Lab Sample ID: 480-128653-6
Matrix: Water | Lab File ID: W2007.D
Analysis Method: 8270D | Date Collected: 12/04/2017 14:25
Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15
Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 16:34
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup: (Y/N) N
Analysis Batch No.: 391444 | Units: ug/L
Number TICs Found: 6 | TIC Result Total: 197.2

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.75	160	T J	
108-88-3	Toluene	2.51	1.9	T J N	93%
	Unknown	3.59	29	T J	
95-47-6	Benzene, 1,2-dimethyl-	3.96	2.1	T J N	97%
541-02-6	Cyclopentasiloxane, decamethyl-	6.04	2.3	T J N	91%
	Unknown	9.12	1.9	T J	

DLK 1/10/18

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B3S | Lab Sample ID: 480-128653-5

Matrix: Water | Lab File ID: W2012.D

Analysis Method: 8270D | Date Collected: 12/04/2017 14:30

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 18:57

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-B3S | Lab Sample ID: 480-128653-5

Matrix: Water | Lab File ID: W2012.D

Analysis Method: 8270D | Date Collected: 12/04/2017 14:30

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 18:57

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

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

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1
SDG No.:
Client Sample ID: MW-B3S | Lab Sample ID: 480-128653-5
Matrix: Water | Lab File ID: W2012.D
Analysis Method: 8270D | Date Collected: 12/04/2017 14:30
Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15
Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 18:57
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 391444 | Units: ug/L
Number TICs Found: 20 | TIC Result Total: 360.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.73	150	T J	
	Unknown	3.58	13	T J	
	Unknown	4.50	3.0	T J	
	Unknown	6.04	3.0	T J	
	Unknown	9.25	7.0	T J	
	Unknown	9.78	5.7	T J	
	Unknown	10.13	18	T J	
	Unknown	10.40	2.8	T J	
	Unknown	10.58	14	T J	
	Unknown	10.89	38	T J	
	Unknown	11.15	4.0	T J	
	Unknown	11.34	21	T J	
	Unknown	11.99	3.6	T J	
	Unknown	12.05	3.3	T J	
	Unknown	12.23	20	T J	
	Unknown	12.61	3.7	T J	
	Unknown	13.01	4.8	T J	
	Unknown	13.30	22	T J	
	Unknown	14.53	19	T J	
	Unknown	14.64	4.6	T J	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

mw-B3S

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: FD-120417 | Lab Sample ID: 480-128653-10

Matrix: Water | Lab File ID: W2016.D

Analysis Method: 8270D | Date Collected: 12/04/2017 00:00

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 20:51

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

mw-B3S

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: FD-120417 | Lab Sample ID: 480-128653-10

Matrix: Water | Lab File ID: W2016.D

Analysis Method: 8270D | Date Collected: 12/04/2017 00:00

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 20:51

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

mw-B3S

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

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1
SDG No.:
Client Sample ID: FD-120417 | Lab Sample ID: 480-128653-10
Matrix: Water | Lab File ID: W2016.D
Analysis Method: 8270D | Date Collected: 12/04/2017 00:00
Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15
Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 20:51
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 391444 | Units: ug/L
Number TICs Found: 10 | TIC Result Total: 244.2

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.75	180	T J	
820-54-2	1,5-Hexadien-3-yne, 2-methyl-	2.50	2.3	T J N	90%
	Unknown	3.59	45	T J	
108-38-3	Benzene, 1,3-dimethyl-	3.96	2.2	T J N	96%
	Unknown	4.50	2.7	T J	
541-02-6	Cyclopentasiloxane, decamethyl-	6.04	2.5	T J N	91%
	Unknown	9.12	1.6	T J	
	Unknown	10.59	3.1	T J	
	Unknown	10.93	2.1	T J	
	Unknown	11.35	2.7	T J	

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-03I | Lab Sample ID: 480-128653-2

Matrix: Water | Lab File ID: W2009.D

Analysis Method: 8270D | Date Collected: 12/04/2017 11:50

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 17:31

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-03I | Lab Sample ID: 480-128653-2

Matrix: Water | Lab File ID: W2009.D

Analysis Method: 8270D | Date Collected: 12/04/2017 11:50

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 17:31

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

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

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1
SDG No.:
Client Sample ID: MW-03I | Lab Sample ID: 480-128653-2
Matrix: Water | Lab File ID: W2009.D
Analysis Method: 8270D | Date Collected: 12/04/2017 11:50
Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15
Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 17:31
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 391444 | Units: ug/L
Number TICs Found: 6 | TIC Result Total: 195.9

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.75	170	T J	
108-88-3	Toluene	2.51	2.1	T J N	91%
	Unknown	3.58	17	T J	
108-38-3	Benzene, 1,3-dimethyl-	3.96	2.6	T J N	95%
541-02-6	Cyclopentasiloxane, decamethyl-	6.04	2.1	T J N	91%
	Unknown	9.12	2.1	T J	

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-03S | Lab Sample ID: 480-128653-1

Matrix: Water | Lab File ID: W2008.D

Analysis Method: 8270D | Date Collected: 12/04/2017 12:05

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 17:02

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-03S | Lab Sample ID: 480-128653-1

Matrix: Water | Lab File ID: W2008.D

Analysis Method: 8270D | Date Collected: 12/04/2017 12:05

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 17:02

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

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

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-03S | Lab Sample ID: 480-128653-1

Matrix: Water | Lab File ID: W2008.D

Analysis Method: 8270D | Date Collected: 12/04/2017 12:05

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 17:02

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

Number TICs Found: 16 | TIC Result Total: 262.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.75	170	T J	
108-88-3	Toluene	2.51	1.9	T J N	95%
	Unknown	3.59	30	T J	
106-42-3	p-Xylene	3.96	2.2	T J N	93%
541-02-6	Cyclopentasiloxane, decamethyl-	6.04	1.7	T J N	91%
	Unknown	9.78	2.8	T J	
	Unknown	10.14	4.9	T J	
	Unknown	10.59	6.6	T J	
	Unknown	10.90	6.7	T J	
	Unknown	11.16	1.7	T J	
	Unknown	11.35	6.7	T J	
	Unknown	11.69	6.1	T J	
	Unknown	12.00	1.7	T J	
	Unknown	12.23	7.9	T J	
	Unknown	13.31	8.5	T J	
	Unknown	14.53	2.7	T J	

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-04I | Lab Sample ID: 480-128653-4

Matrix: Water | Lab File ID: W2011.D

Analysis Method: 8270D | Date Collected: 12/04/2017 13:30

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 18:28

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-04I | Lab Sample ID: 480-128653-4

Matrix: Water | Lab File ID: W2011.D

Analysis Method: 8270D | Date Collected: 12/04/2017 13:30

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 18:28

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND	U	10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND	U	5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

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

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1
SDG No.:
Client Sample ID: MW-04I | Lab Sample ID: 480-128653-4
Matrix: Water | Lab File ID: W2011.D
Analysis Method: 8270D | Date Collected: 12/04/2017 13:30
Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15
Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 18:28
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 391444 | Units: ug/L
Number TICs Found: 5 | TIC Result Total: 215.9

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.74	150	T J	
	Unknown	3.59	52	T J	
	Unknown	4.50	10	T J	
	Unknown	6.04	2.0	T J	
	Unknown	12.23	1.9	T J	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-04I RE | Lab Sample ID: 480-128653-4 RE

Matrix: Water | Lab File ID: W2129.D

Analysis Method: 8270D | Date Collected: 12/04/2017 13:30

Extract. Method: 3510C | Date Extracted: 12/12/2017 14:16

Sample wt/vol: 250(mL) | Date Analyzed: 12/15/2017 02:21

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 392058 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND	H	5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND	H	5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND	H	5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND	H	5.0	0.61
120-83-2	2,4-Dichlorophenol	ND	H	5.0	0.51
105-67-9	2,4-Dimethylphenol	ND	H	5.0	0.50
51-28-5	2,4-Dinitrophenol	ND	H	10	2.2
121-14-2	2,4-Dinitrotoluene	ND	H	5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND	H	5.0	0.40
91-58-7	2-Chloronaphthalene	ND	H	5.0	0.46
95-57-8	2-Chlorophenol	ND	H	5.0	0.53
91-57-6	2-Methylnaphthalene	ND	H	5.0	0.60
95-48-7	2-Methylphenol	ND	H	5.0	0.40
88-74-4	2-Nitroaniline	ND	H	10	0.42
88-75-5	2-Nitrophenol	ND	H	5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND	H *	5.0	0.40
99-09-2	3-Nitroaniline	ND	H	10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND	H	10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND	H	5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND	H	5.0	0.45
106-47-8	4-Chloroaniline	ND	H	5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND	H	5.0	0.35
106-44-5	4-Methylphenol	ND	H	10	0.36
100-01-6	4-Nitroaniline	ND	H	10	0.25
100-02-7	4-Nitrophenol	ND	H	10	1.5
83-32-9	Acenaphthene	ND	H	5.0	0.41
208-96-8	Acenaphthylene	ND	H	5.0	0.38
98-86-2	Acetophenone	ND	H	5.0	0.54
120-12-7	Anthracene	ND	H	5.0	0.28
1912-24-9	Atrazine	ND	H	5.0	0.46
100-52-7	Benzaldehyde	ND	H	5.0	0.27
56-55-3	Benzo(a)anthracene	ND	H	5.0	0.36
50-32-8	Benzo(a)pyrene	ND	H	5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND	H	5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-04I RE | Lab Sample ID: 480-128653-4 RE

Matrix: Water | Lab File ID: W2129.D

Analysis Method: 8270D | Date Collected: 12/04/2017 13:30

Extract. Method: 3510C | Date Extracted: 12/12/2017 14:16

Sample wt/vol: 250(mL) | Date Analyzed: 12/15/2017 02:21

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 392058 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND	H	5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND	H	5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND	H	5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND	H	5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND	H	5.0	2.2
85-68-7	Butyl benzyl phthalate	ND	H	5.0	1.0
105-60-2	Caprolactam	ND	H	5.0	2.2
86-74-8	Carbazole	ND	H	5.0	0.30
218-01-9	Chrysene	ND	H	5.0	0.33
84-74-2	Di-n-butyl phthalate	ND	H	5.0	0.31
117-84-0	Di-n-octyl phthalate	ND	H	5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND	H	5.0	0.42
132-64-9	Dibenzofuran	ND	H	10	0.51
84-66-2	Diethyl phthalate	ND	H	5.0	0.22
131-11-3	Dimethyl phthalate	ND	H	5.0	0.36
206-44-0	Fluoranthene	ND	H	5.0	0.40
86-73-7	Fluorene	ND	H	5.0	0.36
118-74-1	Hexachlorobenzene	ND	H	5.0	0.51
87-68-3	Hexachlorobutadiene	ND	H	5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND	H	5.0	0.59
67-72-1	Hexachloroethane	ND	H	5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND	H	5.0	0.47
78-59-1	Isophorone	ND	H	5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND	H	5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND	H	5.0	0.51
91-20-3	Naphthalene	ND	H	5.0	0.76
98-95-3	Nitrobenzene	ND	H	5.0	0.29
87-86-5	Pentachlorophenol	ND	H	10	2.2
85-01-8	Phenanthrene	ND	H	5.0	0.44
108-95-2	Phenol	ND	H	5.0	0.39
129-00-0	Pyrene	ND	H	5.0	0.34

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

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-04I RE | Lab Sample ID: 480-128653-4 RE

Matrix: Water | Lab File ID: W2129.D

Analysis Method: 8270D | Date Collected: 12/04/2017 13:30

Extract. Method: 3510C | Date Extracted: 12/12/2017 14:16

Sample wt/vol: 250(mL) | Date Analyzed: 12/15/2017 02:21

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 392058 | Units: ug/L

Number TICs Found: 7 | TIC Result Total: 255.6

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.73	160	T H J	
	Unknown	3.56	74	T H J	
	Unknown	3.94	2.3	T H J	
	Unknown	4.47	11	T H J	
541-02-6	Cyclopentasiloxane, decamethyl-	6.02	1.7	T H J N	91%
540-97-6	Cyclohexasiloxane, dodecamethyl-	6.89	2.1	T H J N	87%
	Unknown	15.68	4.5	T H J	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-04S | Lab Sample ID: 480-128653-3

Matrix: Water | Lab File ID: W2010.D

Analysis Method: 8270D | Date Collected: 12/04/2017 13:15

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 17:59

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-04S | Lab Sample ID: 480-128653-3

Matrix: Water | Lab File ID: W2010.D

Analysis Method: 8270D | Date Collected: 12/04/2017 13:15

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 17:59

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

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

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1
SDG No.:
Client Sample ID: MW-04S | Lab Sample ID: 480-128653-3
Matrix: Water | Lab File ID: W2010.D
Analysis Method: 8270D | Date Collected: 12/04/2017 13:15
Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15
Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 17:59
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 391444 | Units: ug/L
Number TICs Found: 6 | TIC Result Total: 221.1

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.74	180	T J	
	Unknown	2.49	1.9	T J	
	Unknown	3.58	33	T J	
106-42-3	p-Xylene	3.96	2.5	T J N	94%
541-02-6	Cyclopentasiloxane, decamethyl-	6.04	1.8	T J N	91%
	Unknown	7.66	1.9	T J	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-05D | Lab Sample ID: 480-128653-9

Matrix: Water | Lab File ID: W2015.D

Analysis Method: 8270D | Date Collected: 12/04/2017 15:40

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 20:22

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-05D | Lab Sample ID: 480-128653-9

Matrix: Water | Lab File ID: W2015.D

Analysis Method: 8270D | Date Collected: 12/04/2017 15:40

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 20:22

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

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

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1
SDG No.:
Client Sample ID: MW-05D | Lab Sample ID: 480-128653-9
Matrix: Water | Lab File ID: W2015.D
Analysis Method: 8270D | Date Collected: 12/04/2017 15:40
Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15
Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 20:22
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 391444 | Units: ug/L
Number TICs Found: 7 | TIC Result Total: 217.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.75	170	T J	
108-88-3	Toluene	2.50	2.0	T J N	87%
	Unknown	3.59	35	T J	
108-38-3	Benzene, 1,3-dimethyl-	3.96	3.2	T J N	95%
541-02-6	Cyclopentasiloxane, decamethyl-	6.04	3.2	T J N	87%
540-97-6	Cyclohexasiloxane, dodecamethyl-	6.91	2.0	T J N	91%
	Unknown	9.12	1.9	T J	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-05I | Lab Sample ID: 480-128653-8

Matrix: Water | Lab File ID: W2014.D

Analysis Method: 8270D | Date Collected: 12/04/2017 15:40

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 19:54

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-05I | Lab Sample ID: 480-128653-8

Matrix: Water | Lab File ID: W2014.D

Analysis Method: 8270D | Date Collected: 12/04/2017 15:40

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 19:54

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

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

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1
SDG No.:
Client Sample ID: MW-05I | Lab Sample ID: 480-128653-8
Matrix: Water | Lab File ID: W2014.D
Analysis Method: 8270D | Date Collected: 12/04/2017 15:40
Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15
Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 19:54
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 391444 | Units: ug/L
Number TICs Found: 6 | TIC Result Total: 201.8

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.74	160	T J	
108-88-3	Toluene	2.50	2.0	T J N	90%
	Unknown	3.58	34	T J	
541-02-6	Cyclopentasiloxane, decamethyl-	6.04	2.1	T J N	86%
	Unknown	9.12	1.9	T J	
	Unknown	11.38	1.8	T J	

DMSK 1/10/18

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-05S | Lab Sample ID: 480-128653-7

Matrix: Water | Lab File ID: W2013.D

Analysis Method: 8270D | Date Collected: 12/04/2017 16:35

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 230(mL) | Date Analyzed: 12/11/2017 19:25

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.4	0.71
108-60-1	bis (2-chloroisopropyl) ether	ND		5.4	0.57
95-95-4	2,4,5-Trichlorophenol	ND		5.4	0.52
88-06-2	2,4,6-Trichlorophenol	ND		5.4	0.66
120-83-2	2,4-Dichlorophenol	ND		5.4	0.55
105-67-9	2,4-Dimethylphenol	ND		5.4	0.54
51-28-5	2,4-Dinitrophenol	ND		11	2.4
121-14-2	2,4-Dinitrotoluene	ND		5.4	0.49
606-20-2	2,6-Dinitrotoluene	ND		5.4	0.43
91-58-7	2-Chloronaphthalene	ND		5.4	0.50
95-57-8	2-Chlorophenol	ND		5.4	0.58
91-57-6	2-Methylnaphthalene	ND		5.4	0.65
95-48-7	2-Methylphenol	ND		5.4	0.43
88-74-4	2-Nitroaniline	ND		11	0.46
88-75-5	2-Nitrophenol	ND		5.4	0.52
91-94-1	3,3'-Dichlorobenzidine	ND		5.4	0.43
99-09-2	3-Nitroaniline	ND		11	0.52
534-52-1	4,6-Dinitro-2-methylphenol	ND		11	2.4
101-55-3	4-Bromophenyl phenyl ether	ND		5.4	0.49
59-50-7	4-Chloro-3-methylphenol	ND		5.4	0.49
106-47-8	4-Chloroaniline	ND		5.4	0.64
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.4	0.38
106-44-5	4-Methylphenol	ND		11	0.39
100-01-6	4-Nitroaniline	ND		11	0.27
100-02-7	4-Nitrophenol	ND		11	1.7
83-32-9	Acenaphthene	ND		5.4	0.45
208-96-8	Acenaphthylene	ND		5.4	0.41
98-86-2	Acetophenone	ND		5.4	0.59
120-12-7	Anthracene	ND		5.4	0.30
1912-24-9	Atrazine	ND		5.4	0.50
100-52-7	Benzaldehyde	ND		5.4	0.29
56-55-3	Benzo(a)anthracene	ND		5.4	0.39
50-32-8	Benzo(a)pyrene	ND		5.4	0.51
205-99-2	Benzo(b)fluoranthene	ND		5.4	0.37

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-05S | Lab Sample ID: 480-128653-7

Matrix: Water | Lab File ID: W2013.D

Analysis Method: 8270D | Date Collected: 12/04/2017 16:35

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 230(mL) | Date Analyzed: 12/11/2017 19:25

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.4	0.38
207-08-9	Benzo(k)fluoranthene	ND		5.4	0.79
111-91-1	Bis(2-chloroethoxy)methane	ND		5.4	0.38
111-44-4	Bis(2-chloroethyl)ether	ND		5.4	0.43
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.4	2.4
85-68-7	Butyl benzyl phthalate	ND		5.4	1.1
105-60-2	Caprolactam	ND		5.4	2.4
86-74-8	Carbazole	ND		5.4	0.33
218-01-9	Chrysene	ND		5.4	0.36
84-74-2	Di-n-butyl phthalate	ND		5.4	0.34
117-84-0	Di-n-octyl phthalate	ND		5.4	0.51
53-70-3	Dibenz(a,h)anthracene	ND		5.4	0.46
132-64-9	Dibenzofuran	ND		11	0.55
84-66-2	Diethyl phthalate	ND		5.4	0.24
131-11-3	Dimethyl phthalate	ND		5.4	0.39
206-44-0	Fluoranthene	ND		5.4	0.43
86-73-7	Fluorene	ND		5.4	0.39
118-74-1	Hexachlorobenzene	ND		5.4	0.55
87-68-3	Hexachlorobutadiene	ND		5.4	0.74
77-47-4	Hexachlorocyclopentadiene	ND		5.4	0.64
67-72-1	Hexachloroethane	ND		5.4	0.64
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.4	0.51
78-59-1	Isophorone	ND		5.4	0.47
621-64-7	N-Nitrosodi-n-propylamine	ND		5.4	0.59
86-30-6	N-Nitrosodiphenylamine	ND		5.4	0.55
91-20-3	Naphthalene	ND		5.4	0.83
98-95-3	Nitrobenzene	ND		5.4	0.32
87-86-5	Pentachlorophenol	ND		11	2.4
85-01-8	Phenanthrene	ND		5.4	0.48
108-95-2	Phenol	ND		5.4	0.42
129-00-0	Pyrene	ND		5.4	0.37

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

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1
SDG No.:
Client Sample ID: MW-05S | Lab Sample ID: 480-128653-7
Matrix: Water | Lab File ID: W2013.D
Analysis Method: 8270D | Date Collected: 12/04/2017 16:35
Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15
Sample wt/vol: 230(mL) | Date Analyzed: 12/11/2017 19:25
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 391444 | Units: ug/L
Number TICs Found: 8 | TIC Result Total: 215.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.74	170	T J	
108-88-3	Toluene	2.50	2.2	T J N	87%
	Unknown	3.58	30	T J	
108-90-7	Benzene, chloro-	3.65	4.4	T J N	96%
108-38-3	Benzene, 1,3-dimethyl-	3.96	2.7	T J N	95%
541-02-6	Cyclopentasiloxane, decamethyl-	6.04	2.1	T J N	91%
	Unknown	11.36	2.2	T J	
	Unknown	12.23	1.9	T J	

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-07I | Lab Sample ID: 480-128653-14

Matrix: Water | Lab File ID: W2020.D

Analysis Method: 8270D | Date Collected: 12/05/2017 08:20

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 22:45

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-07I | Lab Sample ID: 480-128653-14

Matrix: Water | Lab File ID: W2020.D

Analysis Method: 8270D | Date Collected: 12/05/2017 08:20

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 22:45

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

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

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-07I | Lab Sample ID: 480-128653-14

Matrix: Water | Lab File ID: W2020.D

Analysis Method: 8270D | Date Collected: 12/05/2017 08:20

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 22:45

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

Number TICs Found: 9 | TIC Result Total: 222.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.75	150	T J	
108-88-3	Toluene	2.51	1.9	T J N	90%
	Unknown	3.59	53	T J	
108-38-3	Benzene, 1,3-dimethyl-	3.96	1.7	T J N	90%
541-02-6	Cyclopentasiloxane, decamethyl-	6.04	2.1	T J N	91%
16728-99-7	Naphthalene, 1,2,3,4,4a,7-hexahydro-1,6-dimethyl-4-(1-methyl	8.43	2.4	T J N	86%
	Unknown	9.12	1.9	T J	
	Unknown	9.18	4.9	T J	
	Unknown	9.31	4.6	T J	

12/11/17

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-07S | Lab Sample ID: 480-128653-13

Matrix: Water | Lab File ID: W2019.D

Analysis Method: 8270D | Date Collected: 12/05/2017 08:20

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 22:17

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-07S | Lab Sample ID: 480-128653-13

Matrix: Water | Lab File ID: W2019.D

Analysis Method: 8270D | Date Collected: 12/05/2017 08:20

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 22:17

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

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

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1
SDG No.:
Client Sample ID: MW-07S | Lab Sample ID: 480-128653-13
Matrix: Water | Lab File ID: W2019.D
Analysis Method: 8270D | Date Collected: 12/05/2017 08:20
Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15
Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 22:17
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 391444 | Units: ug/L
Number TICs Found: 20 | TIC Result Total: 695.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.74	160	T J	
	Unknown	3.59	75	T J	
	Unknown	5.73	39	T J	
	Unknown	5.76	18	T J	
	Unknown	5.89	20	T J	
576-26-1	Phenol, 2,6-dimethyl-	5.93	9.6	T J N	97%
	Unknown	5.98	9.8	T J	
	Unknown	6.31	14	T J	
	Unknown	6.57	22	T J	
	Unknown	6.83	17	T J	
	Unknown	6.84	12	T J	
	Unknown	6.94	9.9	T J	
	Unknown	6.97	21	T J	
	Unknown	7.02	12	T J	
	Unknown	7.22	80	T J	
	Unknown	7.23	32	T J	
	Unknown	7.60	13	T J	
	Unknown	7.67	81	T J	
	Unknown	9.18	39	T J	
	Unknown	9.45	11	T J	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-09S | Lab Sample ID: 480-128653-15

Matrix: Water | Lab File ID: W2021.D

Analysis Method: 8270D | Date Collected: 12/05/2017 10:40

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 23:14

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-09S | Lab Sample ID: 480-128653-15

Matrix: Water | Lab File ID: W2021.D

Analysis Method: 8270D | Date Collected: 12/05/2017 10:40

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 23:14

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

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

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1
SDG No.:
Client Sample ID: MW-09S | Lab Sample ID: 480-128653-15
Matrix: Water | Lab File ID: W2021.D
Analysis Method: 8270D | Date Collected: 12/05/2017 10:40
Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15
Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 23:14
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 391444 | Units: ug/L
Number TICs Found: 9 | TIC Result Total: 286.2

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.75	170	T J	
108-88-3	Toluene	2.51	1.8	T J N	95%
	Unknown	3.61	100	T J	
106-42-3	p-Xylene	3.96	2.5	T J N	94%
541-02-6	Cyclopentasiloxane, decamethyl-	6.04	2.2	T J N	91%
	Unknown	6.91	1.8	T J	
	Unknown	10.14	1.8	T J	
	Unknown	10.59	2.3	T J	
	Unknown	12.23	3.8	T J	

1/10/18

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-10D | Lab Sample ID: 480-128653-18

Matrix: Water | Lab File ID: W2024.D

Analysis Method: 8270D | Date Collected: 12/05/2017 09:30

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2017 00:39

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-10D | Lab Sample ID: 480-128653-18

Matrix: Water | Lab File ID: W2024.D

Analysis Method: 8270D | Date Collected: 12/05/2017 09:30

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2017 00:39

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

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

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1
SDG No.:
Client Sample ID: MW-10D | Lab Sample ID: 480-128653-18
Matrix: Water | Lab File ID: W2024.D
Analysis Method: 8270D | Date Collected: 12/05/2017 09:30
Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15
Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2017 00:39
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 391444 | Units: ug/L
Number TICs Found: 6 | TIC Result Total: 241.4

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.75	180	T J	
108-88-3	Toluene	2.51	2.4	T J N	94%
	Unknown	3.59	53	T J	
95-47-6	Benzene, 1,2-dimethyl-	3.96	1.8	T J N	95%
541-02-6	Cyclopentasiloxane, decamethyl-	6.04	2.2	T J N	90%
	Unknown	9.12	2.0	T J	

1/10/18

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-10I | Lab Sample ID: 480-128653-17

Matrix: Water | Lab File ID: W2023.D

Analysis Method: 8270D | Date Collected: 12/05/2017 09:30

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2017 00:11

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	ND		5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-10I | Lab Sample ID: 480-128653-17

Matrix: Water | Lab File ID: W2023.D

Analysis Method: 8270D | Date Collected: 12/05/2017 09:30

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2017 00:11

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

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	2.2
85-68-7	Butyl benzyl phthalate	ND		5.0	1.0
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

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

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1
SDG No.:
Client Sample ID: MW-10I | Lab Sample ID: 480-128653-17
Matrix: Water | Lab File ID: W2023.D
Analysis Method: 8270D | Date Collected: 12/05/2017 09:30
Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15
Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2017 00:11
Con. Extract Vol.: 1(mL) | Dilution Factor: 1
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 391444 | Units: ug/L
Number TICs Found: 7 | TIC Result Total: 237.3

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	1.75	170	T J	
108-88-3	Toluene	2.50	1.8	T J N	90%
	Unknown	3.59	56	T J	
108-90-7	Benzene, chloro-	3.65	2.0	T J N	93%
541-02-6	Cyclopentasiloxane, decamethyl-	6.04	3.3	T J N	90%
540-97-6	Cyclohexasiloxane, dodecamethyl-	6.91	2.2	T J N	91%
	Unknown	9.12	2.0	T J	

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-10S | Lab Sample ID: 480-128653-16

Matrix: Water | Lab File ID: W2022.D

Analysis Method: 8270D | Date Collected: 12/05/2017 10:20

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 23:42

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		25	3.3
108-60-1	bis (2-chloroisopropyl) ether	ND		25	2.6
95-95-4	2,4,5-Trichlorophenol	ND		25	2.4
88-06-2	2,4,6-Trichlorophenol	ND		25	3.1
120-83-2	2,4-Dichlorophenol	ND		25	2.6
105-67-9	2,4-Dimethylphenol	ND		25	2.5
51-28-5	2,4-Dinitrophenol	ND		50	11
121-14-2	2,4-Dinitrotoluene	ND		25	2.2
606-20-2	2,6-Dinitrotoluene	ND		25	2.0
91-58-7	2-Chloronaphthalene	ND		25	2.3
95-57-8	2-Chlorophenol	ND		25	2.7
91-57-6	2-Methylnaphthalene	ND		25	3.0
95-48-7	2-Methylphenol	ND		25	2.0
88-74-4	2-Nitroaniline	ND		50	2.1
88-75-5	2-Nitrophenol	ND		25	2.4
91-94-1	3,3'-Dichlorobenzidine	ND		25	2.0
99-09-2	3-Nitroaniline	ND		50	2.4
534-52-1	4,6-Dinitro-2-methylphenol	ND		50	11
101-55-3	4-Bromophenyl phenyl ether	ND		25	2.3
59-50-7	4-Chloro-3-methylphenol	ND		25	2.3
106-47-8	4-Chloroaniline	ND		25	3.0
7005-72-3	4-Chlorophenyl phenyl ether	ND		25	1.8
106-44-5	4-Methylphenol	ND		50	1.8
100-01-6	4-Nitroaniline	ND		50	1.3
100-02-7	4-Nitrophenol	ND		50	7.6
83-32-9	Acenaphthene	ND		25	2.1
208-96-8	Acenaphthylene	ND		25	1.9
98-86-2	Acetophenone	ND		25	2.7
120-12-7	Anthracene	ND		25	1.4
1912-24-9	Atrazine	ND		25	2.3
100-52-7	Benzaldehyde	ND		25	1.3
56-55-3	Benzo(a)anthracene	ND		25	1.8
50-32-8	Benzo(a)pyrene	ND		25	2.4
205-99-2	Benzo(b)fluoranthene	ND		25	1.7

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG No.:

Client Sample ID: MW-10S | Lab Sample ID: 480-128653-16

Matrix: Water | Lab File ID: W2022.D

Analysis Method: 8270D | Date Collected: 12/05/2017 10:20

Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15

Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 23:42

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

Injection Volume: 2(uL) | Level: (low/med) Low

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

Analysis Batch No.: 391444 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		25	1.8
207-08-9	Benzo(k)fluoranthene	ND		25	3.7
111-91-1	Bis(2-chloroethoxy)methane	ND		25	1.8
111-44-4	Bis(2-chloroethyl)ether	ND		25	2.0
117-81-7	Bis(2-ethylhexyl) phthalate	ND		25	11
85-68-7	Butyl benzyl phthalate	ND		25	5.0
105-60-2	Caprolactam	ND		25	11
86-74-8	Carbazole	ND		25	1.5
218-01-9	Chrysene	ND		25	1.7
84-74-2	Di-n-butyl phthalate	ND		25	1.6
117-84-0	Di-n-octyl phthalate	ND		25	2.4
53-70-3	Dibenz(a,h)anthracene	ND		25	2.1
132-64-9	Dibenzofuran	ND		50	2.6
84-66-2	Diethyl phthalate	ND		25	1.1
131-11-3	Dimethyl phthalate	ND		25	1.8
206-44-0	Fluoranthene	ND		25	2.0
86-73-7	Fluorene	ND		25	1.8
118-74-1	Hexachlorobenzene	ND		25	2.6
87-68-3	Hexachlorobutadiene	ND		25	3.4
77-47-4	Hexachlorocyclopentadiene	ND		25	3.0
67-72-1	Hexachloroethane	ND		25	3.0
193-39-5	Indeno(1,2,3-cd)pyrene	ND		25	2.4
78-59-1	Isophorone	ND		25	2.2
621-64-7	N-Nitrosodi-n-propylamine	ND		25	2.7
86-30-6	N-Nitrosodiphenylamine	ND		25	2.6
91-20-3	Naphthalene	ND		25	3.8
98-95-3	Nitrobenzene	ND		25	1.5
87-86-5	Pentachlorophenol	ND		50	11
85-01-8	Phenanthrene	ND		25	2.2
108-95-2	Phenol	ND		25	2.0
129-00-0	Pyrene	ND		25	1.7

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

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1
SDG No.:
Client Sample ID: MW-10S | Lab Sample ID: 480-128653-16
Matrix: Water | Lab File ID: W2022.D
Analysis Method: 8270D | Date Collected: 12/05/2017 10:20
Extract. Method: 3510C | Date Extracted: 12/08/2017 14:15
Sample wt/vol: 250(mL) | Date Analyzed: 12/11/2017 23:42
Con. Extract Vol.: 1(mL) | Dilution Factor: 5
Injection Volume: 2(uL) | Level: (low/med) Low
% Moisture: | GPC Cleanup:(Y/N) N
Analysis Batch No.: 391444 | Units: ug/L
Number TICs Found: 20 | TIC Result Total: 913

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Unknown	3.56	24	T J	
	Unknown	5.19	19	T J	
28790-86-5	2-Cyclopenten-1-one, 2,3,4-trimethyl-	5.60	26	T J N	87%
	Unknown	5.73	38	T J	
	Unknown	5.75	23	T J	
	Unknown	5.89	29	T J	
576-26-1	Phenol, 2,6-dimethyl-	5.93	21	T J N	90%
	Unknown	6.49	17	T J	
	Unknown	6.55	120	T J	
	Unknown	6.83	19	T J	
	Unknown	6.97	17	T J	
	Unknown	7.21	39	T J	
	Unknown	7.22	28	T J	
	Unknown	7.66	81	T J	
	Unknown	8.46	23	T J	
	Unknown	8.61	22	T J	
	Unknown	9.18	290	T J	
	Unknown	9.25	20	T J	
	Unknown	9.38	20	T J	
	Unknown	9.44	37	T J	

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-B1D
Lab Sample ID: 480-128653-12
Lab Name: TestAmerica Buffalo
Job No.: 480-128653-1
SDG ID.:
Matrix: Water
Date Sampled: 12/05/2017 11:10
Reporting Basis: WET
Date Received: 12/08/2017 01:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	2.8	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	0.0069	0.015	0.0056	mg/L	J		1	6010C
7440-39-3	Barium	0.066	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	0.0013	0.0020	0.00050	mg/L	J		1	6010C
7440-70-2	Calcium	16.5	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	0.0067	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	0.00081	0.0040	0.00063	mg/L	J		1	6010C
7440-50-8	Copper	0.0046	0.010	0.0016	mg/L	J		1	6010C
7439-89-6	Iron	2.5	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	0.0058	0.010	0.0030	mg/L	J		1	6010C
7439-95-4	Magnesium	2.2	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	0.082	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	0.0027	0.010	0.0013	mg/L	J		1	6010C
7440-09-7	Potassium	2.3	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	3.6	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	0.0057	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.022	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-B1S
Lab Sample ID: 480-128653-11
Lab Name: TestAmerica Buffalo
Job No.: 480-128653-1
SDG ID.:
Matrix: Water
Date Sampled: 12/05/2017 11:15
Reporting Basis: WET
Date Received: 12/08/2017 01:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	42.5	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	0.036	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.72	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	0.0023	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	0.016	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	36.8	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	0.056	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	0.034	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	0.14	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	71.4	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	0.17	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	8.4	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	2.2	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	0.059	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	8.6	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	1.4	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	0.064	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.70	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	0.00015	0.00020	0.00012	mg/L	J		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-B3D
Lab Sample ID: 480-128653-6
Lab Name: TestAmerica Buffalo
Job No.: 480-128653-1
SDG ID.:
Matrix: Water
Date Sampled: 12/04/2017 14:25
Reporting Basis: WET
Date Received: 12/08/2017 01:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.039	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	25.0	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	ND	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	3.0	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	0.18	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	0.89	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	2.9	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.0030	0.010	0.0015	mg/L	J		1	6010C
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-B3S
Lab Sample ID: 480-128653-5
Lab Name: TestAmerica Buffalo
Job No.: 480-128653-1
SDG ID.:
Matrix: Water
Date Sampled: 12/04/2017 14:30
Reporting Basis: WET
Date Received: 12/08/2017 01:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.18	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	11.7	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	0.035	0.050	0.019	mg/L	J		1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	2.8	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	0.85	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	0.69	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	1.1	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.0032	0.010	0.0015	mg/L	J		1	6010C
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

MW-B3S

Client Sample ID: FD-120417 Lab Sample ID: 480-128653-10

Lab Name: TestAmerica Buffalo Job No.: 480-128653-1

SDG ID.:

Matrix: Water Date Sampled: 12/04/2017 00:00

Reporting Basis: WET Date Received: 12/08/2017 01:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	0.064	0.20	0.060	mg/L	J		1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.16	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	11.7	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	0.036	0.050	0.019	mg/L	J		1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	2.8	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	0.64	0.0030	0.00040	mg/L	J		1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	0.68	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	1.1	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.0020	0.010	0.0015	mg/L	J		1	6010C
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

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1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-03S
Lab Sample ID: 480-128653-1
Lab Name: TestAmerica Buffalo
Job No.: 480-128653-1
SDG ID.:
Matrix: Water
Date Sampled: 12/04/2017 12:05
Reporting Basis: WET
Date Received: 12/08/2017 01:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	0.0058	0.015	0.0056	mg/L	J		1	6010C
7440-39-3	Barium	0.18	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	22.6	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	0.0011	0.0040	0.00063	mg/L	J		1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	0.98	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	4.3	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	2.3	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	1.0	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	2.9	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.0028	0.010	0.0015	mg/L	J		1	6010C
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-03I
Lab Sample ID: 480-128653-2
Lab Name: TestAmerica Buffalo
Job No.: 480-128653-1
SDG ID.:
Matrix: Water
Date Sampled: 12/04/2017 11:50
Reporting Basis: WET
Date Received: 12/08/2017 01:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.10	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	22.3	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	0.0053	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	0.025	0.050	0.019	mg/L	J		1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	3.7	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	0.11	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	0.91	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	9.2	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.0027	0.010	0.0015	mg/L	J		1	6010C
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-04S
Lab Sample ID: 480-128653-3
Lab Name: TestAmerica Buffalo
Job No.: 480-128653-1
SDG ID.:
Matrix: Water
Date Sampled: 12/04/2017 13:15
Reporting Basis: WET
Date Received: 12/08/2017 01:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	0.12	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.75	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	14.0	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	0.0022	0.0040	0.0010	mg/L	J		1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	10.7	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	0.0038	0.010	0.0030	mg/L	J		1	6010C
7439-95-4	Magnesium	2.0	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	5.4	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	1.1	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	10.4	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.0045	0.010	0.0015	mg/L	J		1	6010C
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-04I
Lab Sample ID: 480-128653-4
Lab Name: TestAmerica Buffalo
Job No.: 480-128653-1
SDG ID.:
Matrix: Water
Date Sampled: 12/04/2017 13:30
Reporting Basis: WET
Date Received: 12/08/2017 01:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	0.080	0.20	0.060	mg/L	J		1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.18	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	24.5	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	0.11	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	5.0	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	1.8	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	0.0015	0.010	0.0013	mg/L	J		1	6010C
7440-09-7	Potassium	0.89	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	3.5	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.0026	0.010	0.0015	mg/L	J		1	6010C
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-05D
Lab Sample ID: 480-128653-9
Lab Name: TestAmerica Buffalo
Job No.: 480-128653-1
SDG ID.:
Matrix: Water
Date Sampled: 12/04/2017 15:40
Reporting Basis: WET
Date Received: 12/08/2017 01:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.11	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	23.1	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	0.0037	0.0040	0.0010	mg/L	J		1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	ND	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	0.0030	0.010	0.0030	mg/L	J		1	6010C
7439-95-4	Magnesium	4.8	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	0.011	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	0.94	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	9.4	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	ND	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-05I
Lab Sample ID: 480-128653-8
Lab Name: TestAmerica Buffalo
Job No.: 480-128653-1
SDG ID.:
Matrix: Water
Date Sampled: 12/04/2017 15:40
Reporting Basis: WET
Date Received: 12/08/2017 01:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.039	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	25.1	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	0.021	0.050	0.019	mg/L	J		1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	3.0	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	0.042	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	1.2	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	3.8	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.0020	0.010	0.0015	mg/L	J		1	6010C
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-05S
Lab Sample ID: 480-128653-7
Lab Name: TestAmerica Buffalo
Job No.: 480-128653-1
SDG ID.:
Matrix: Water
Date Sampled: 12/04/2017 16:35
Reporting Basis: WET
Date Received: 12/08/2017 01:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.14	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	18.0	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	0.061	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	3.2	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	1.2	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	1.6	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	1.2	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.0018	0.010	0.0015	mg/L	J		1	6010C
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-07I
Lab Sample ID: 480-128653-14
Lab Name: TestAmerica Buffalo
Job No.: 480-128653-1
SDG ID.:
Matrix: Water
Date Sampled: 12/05/2017 08:20
Reporting Basis: WET
Date Received: 12/08/2017 01:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.040	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	26.7	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	0.021	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	0.0022	0.010	0.0016	mg/L	J		1	6010C
7439-89-6	Iron	0.098	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	3.4	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	0.19	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	0.0055	0.010	0.0013	mg/L	J		1	6010C
7440-09-7	Potassium	1.3	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	7.8	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.0028	0.010	0.0015	mg/L	J		1	6010C
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-07S
Lab Sample ID: 480-128653-13
Lab Name: TestAmerica Buffalo
Job No.: 480-128653-1
SDG ID.:
Matrix: Water
Date Sampled: 12/05/2017 08:20
Reporting Basis: WET
Date Received: 12/08/2017 01:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.12	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	27.2	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	0.43	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	3.1	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	0.068	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	1.6	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	1.7	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.0021	0.010	0.0015	mg/L	J		1	6010C
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-09S
Lab Sample ID: 480-128653-15
Lab Name: TestAmerica Buffalo
Job No.: 480-128653-1
SDG ID.:
Matrix: Water
Date Sampled: 12/05/2017 10:40
Reporting Basis: WET
Date Received: 12/08/2017 01:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	0.24	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.054	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	15.4	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	1.7	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	1.4	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	0.20	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	0.61	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	1.1	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.0020	0.010	0.0015	mg/L	J		1	6010C
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-10D
Lab Sample ID: 480-128653-18
Lab Name: TestAmerica Buffalo
Job No.: 480-128653-1
SDG ID.:
Matrix: Water
Date Sampled: 12/05/2017 09:30
Reporting Basis: WET
Date Received: 12/08/2017 01:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.039	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	23.6	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	0.12	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	3.0	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	0.056	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	0.0013	0.010	0.0013	mg/L	J		1	6010C
7440-09-7	Potassium	0.87	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	5.2	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.0022	0.010	0.0015	mg/L	J		1	6010C
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-101 | Lab Sample ID: 480-128653-17

Lab Name: TestAmerica Buffalo | Job No.: 480-128653-1

SDG ID.:

Matrix: Water | Date Sampled: 12/05/2017 09:30

Reporting Basis: WET | Date Received: 12/08/2017 01:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	ND	0.20	0.060	mg/L			1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.045	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	ND	0.0020	0.00050	mg/L			1	6010C
7440-70-2	Calcium	24.4	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	0.0017	0.0040	0.0010	mg/L	J		1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	ND	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	0.025	0.050	0.019	mg/L	J		1	6010C
7439-92-1	Lead	ND	0.010	0.0030	mg/L			1	6010C
7439-95-4	Magnesium	3.2	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	0.037	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	0.92	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	7.0	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	ND	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-10S
Lab Sample ID: 480-128653-16
Lab Name: TestAmerica Buffalo
Job No.: 480-128653-1
SDG ID.:
Matrix: Water
Date Sampled: 12/05/2017 10:20
Reporting Basis: WET
Date Received: 12/08/2017 01:30

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7429-90-5	Aluminum	0.12	0.20	0.060	mg/L	J		1	6010C
7440-36-0	Antimony	ND	0.020	0.0068	mg/L			1	6010C
7440-38-2	Arsenic	ND	0.015	0.0056	mg/L			1	6010C
7440-39-3	Barium	0.12	0.0020	0.00070	mg/L			1	6010C
7440-41-7	Beryllium	ND	0.0020	0.00030	mg/L			1	6010C
7440-43-9	Cadmium	0.0015	0.0020	0.00050	mg/L	J		1	6010C
7440-70-2	Calcium	38.9	0.50	0.10	mg/L			1	6010C
7440-47-3	Chromium	ND	0.0040	0.0010	mg/L			1	6010C
7440-48-4	Cobalt	ND	0.0040	0.00063	mg/L			1	6010C
7440-50-8	Copper	0.027	0.010	0.0016	mg/L			1	6010C
7439-89-6	Iron	2.2	0.050	0.019	mg/L			1	6010C
7439-92-1	Lead	0.0042	0.010	0.0030	mg/L	J		1	6010C
7439-95-4	Magnesium	2.4	0.20	0.043	mg/L			1	6010C
7439-96-5	Manganese	1.6	0.0030	0.00040	mg/L			1	6010C
7440-02-0	Nickel	ND	0.010	0.0013	mg/L			1	6010C
7440-09-7	Potassium	2.1	0.50	0.10	mg/L			1	6010C
7782-49-2	Selenium	ND	0.025	0.0087	mg/L			1	6010C
7440-22-4	Silver	ND	0.0060	0.0017	mg/L			1	6010C
7440-23-5	Sodium	3.0	1.0	0.32	mg/L			1	6010C
7440-28-0	Thallium	ND	0.020	0.010	mg/L			1	6010C
7440-62-2	Vanadium	ND	0.0050	0.0015	mg/L			1	6010C
7440-66-6	Zinc	0.014	0.010	0.0015	mg/L			1	6010C
7439-97-6	Mercury	ND	0.00020	0.00012	mg/L			1	7470A

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-146711-1

SDG No.:

Client Sample ID: MW-B1D | Lab Sample ID: 460-146711-8

Matrix: Water | Lab File ID: h226743.D

Analysis Method: 8270D SIM | Date Collected: 12/05/2017 11:10

Extract. Method: 3510C | Date Extracted: 12/11/2017 14:10

Sample wt/vol: 245(mL) | Date Analyzed: 12/12/2017 06:57

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 483447 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.41	0.045

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	103		38-125

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-146711-1

SDG No.:

Client Sample ID: MW-B1S | Lab Sample ID: 460-146711-7

Matrix: Water | Lab File ID: h226742.D

Analysis Method: 8270D SIM | Date Collected: 12/05/2017 11:15

Extract. Method: 3510C | Date Extracted: 12/11/2017 14:10

Sample wt/vol: 240(mL) | Date Analyzed: 12/12/2017 06:30

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 483447 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.42	0.046

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	97		38-125

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-146711-1

SDG No.:

Client Sample ID: MW-03I | Lab Sample ID: 460-146711-1

Matrix: Water | Lab File ID: h226736.D

Analysis Method: 8270D SIM | Date Collected: 12/04/2017 11:50

Extract. Method: 3510C | Date Extracted: 12/11/2017 14:10

Sample wt/vol: 245(mL) | Date Analyzed: 12/12/2017 03:47

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 483447 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.41	0.045

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	106		38-125

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-146711-1

SDG No.:

Client Sample ID: ~~MW-03D~~ MW-03S | Lab Sample ID: 460-146711-2

Matrix: Water | Lab File ID: h226737.D

Analysis Method: 8270D SIM | Date Collected: 12/04/2017 12:05

Extract. Method: 3510C | Date Extracted: 12/11/2017 14:10

Sample wt/vol: 250(mL) | Date Analyzed: 12/12/2017 04:14

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 483447 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.40	0.044

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	106		38-125

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-146711-1

SDG No.:

Client Sample ID: MW-05D | Lab Sample ID: 460-146711-5

Matrix: Water | Lab File ID: h226740.D

Analysis Method: 8270D SIM | Date Collected: 12/04/2017 15:40

Extract. Method: 3510C | Date Extracted: 12/11/2017 14:10

Sample wt/vol: 220(mL) | Date Analyzed: 12/12/2017 05:36

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 483447 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.45	0.050

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	94		38-125

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-146711-1

SDG No.:

Client Sample ID: MW-05I | Lab Sample ID: 460-146711-4

Matrix: Water | Lab File ID: h226739.D

Analysis Method: 8270D SIM | Date Collected: 12/04/2017 15:40

Extract. Method: 3510C | Date Extracted: 12/11/2017 14:10

Sample wt/vol: 240(mL) | Date Analyzed: 12/12/2017 05:08

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 483447 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.42	0.046

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	110		38-125

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison Job No.: 460-146711-1

SDG No.:

Client Sample ID: MW-05S Lab Sample ID: 460-146711-3

Matrix: Water Lab File ID: h226738.D

Analysis Method: 8270D SIM Date Collected: 12/04/2017 16:35

Extract. Method: 3510C Date Extracted: 12/11/2017 14:10

Sample wt/vol: 240(mL) Date Analyzed: 12/12/2017 04:41

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

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

Analysis Batch No.: 483447 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.42	0.046

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	99		38-125

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-146711-1

SDG No.:

Client Sample ID: MW-10I | Lab Sample ID: 460-146711-9

Matrix: Water | Lab File ID: h226744.D

Analysis Method: 8270D SIM | Date Collected: 12/05/2017 09:30

Extract. Method: 3510C | Date Extracted: 12/11/2017 14:10

Sample wt/vol: 245(mL) | Date Analyzed: 12/12/2017 07:23

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 483447 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.41	0.045

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	112		38-125

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Edison | Job No.: 460-146711-1

SDG No.:

Client Sample ID: EB-120417 | Lab Sample ID: 460-146711-6

Matrix: Water | Lab File ID: h226741.D

Analysis Method: 8270D SIM | Date Collected: 12/04/2017 16:00

Extract. Method: 3510C | Date Extracted: 12/11/2017 14:10

Sample wt/vol: 225(mL) | Date Analyzed: 12/12/2017 06:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | Level: (low/med) Low

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

Analysis Batch No.: 483447 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	ND		0.44	0.049

CAS NO.	SURROGATE	%REC	Q	LIMITS
4165-60-0	Nitrobenzene-d5	96		38-125

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 460-146711-1

SDG No.:

Client Sample ID: MW-B1D | Lab Sample ID: 460-146711-8

Matrix: Water | Lab File ID: 2017.12.15LLA_054.d

Analysis Method: 537 (modified) | Date Collected: 12/05/2017 11:10

Extraction Method: 3535 | Date Extracted: 12/14/2017 10:11

Sample wt/vol: 241.3(mL) | Date Analyzed: 12/15/2017 18:15

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: GeminiC18 3x100 ID: 3(mm)

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

Analysis Batch No.: 200224 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		2.1	0.36
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		2.1	0.51
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		2.1	0.60
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		2.1	0.26
335-67-1	Perfluorooctanoic acid (PFOA)	ND		2.1	0.88
375-95-1	Perfluorononanoic acid (PFNA)	ND		2.1	0.28
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.1	0.32
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.1	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.1	0.57
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		2.1	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.1	0.30
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		2.1	0.21
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	~~0.54~~ ND	~~J B~~	2.1	~~0.18~~ 3.1
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.1	0.20
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		2.1	0.56
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.1	0.33
754-91-6	Perfluorooctane Sulfonamide (FOSA)	ND		2.1	0.36
2355-31-9	N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		21	3.2
2991-50-6	N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		21	2.0
27619-97-2	6:2FTS	2.3	J	21	2.1
39108-34-4	8:2FTS	ND		21	2.1

QA/QC 1/10/18

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 460-146711-1

SDG No.:

Client Sample ID: MW-B1S | Lab Sample ID: 460-146711-7

Matrix: Water | Lab File ID: 2017.12.15LLA_052.d

Analysis Method: 537 (modified) | Date Collected: 12/05/2017 11:15

Extraction Method: 3535 | Date Extracted: 12/14/2017 10:11

Sample wt/vol: 248.4(mL) | Date Analyzed: 12/15/2017 17:59

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: GeminiC18 3x100 ID: 3(mm)

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

Analysis Batch No.: 200224 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	~~1.8~~ ND	~~J~~	2.0	~~0.35~~ 2.0
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		2.0	0.58
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.29	J	2.0	0.25
335-67-1	Perfluorooctanoic acid (PFOA)	ND		2.0	0.86
375-95-1	Perfluorononanoic acid (PFNA)	0.35	J	2.0	0.27
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.31
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		2.0	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.29
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	~~0.34~~ ND	~~J B~~	2.0	~~0.17~~ 2.0
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	1.3	J	2.0	0.54
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32
754-91-6	Perfluorooctane Sulfonamide (FOSA)	ND		2.0	0.35
2355-31-9	N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		20	3.1
2991-50-6	N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9
27619-97-2	6:2FTS	ND		20	2.0
39108-34-4	8:2FTS	ND		20	2.0

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 460-146711-1

SDG No.:

Client Sample ID: MW-03I | Lab Sample ID: 460-146711-1

Matrix: Water | Lab File ID: 2017.12.15LLA_046.d

Analysis Method: 537 (modified) | Date Collected: 12/04/2017 11:50

Extraction Method: 3535 | Date Extracted: 12/14/2017 10:11

Sample wt/vol: 265.3(mL) | Date Analyzed: 12/15/2017 17:12

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: GeminiC18 3x100 ID: 3(mm)

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

Analysis Batch No.: 200224 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		1.9	0.33
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		1.9	0.46
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		1.9	0.55
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.9	0.24
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.9	0.80
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.9	0.25
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.9	0.29
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.9	1.0
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.9	0.52
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		1.9	1.2
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.9	0.27
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.9	0.19
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	~~0.25~~ ND	~~J B~~	1.9	~~0.16~~ 1.9
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9	0.18
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.9	0.51
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.30
754-91-6	Perfluorooctane Sulfonamide (FOSA)	ND		1.9	0.33
2355-31-9	N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		19	2.9
2991-50-6	N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		19	1.8
27619-97-2	6:2FTS	ND		19	1.9
39108-34-4	8:2FTS	ND		19	1.9

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FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 460-146711-1

SDG No.:

Client Sample ID: ~~MW-03D~~ MW-035 | Lab Sample ID: 460-146711-2

Matrix: Water | Lab File ID: 2017.12.15LLA_047.d

Analysis Method: 537 (modified) | Date Collected: 12/04/2017 12:05

Extraction Method: 3535 | Date Extracted: 12/14/2017 10:11

Sample wt/vol: 249.9(mL) | Date Analyzed: 12/15/2017 17:20

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: GeminiC18 3x100 ID: 3(mm)

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

Analysis Batch No.: 200224 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND ~~0.39~~	J	2.0	2.0 ~~0.35~~
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		2.0	0.58
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.25
335-67-1	Perfluorooctanoic acid (PFOA)	ND		2.0	0.85
375-95-1	Perfluorononanoic acid (PFNA)	ND		2.0	0.27
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.31
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		2.0	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.29
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND ~~0.34~~	J B	2.0	2.0 ~~0.17~~
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.54
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32
754-91-6	Perfluorooctane Sulfonamide (FOSA)	ND		2.0	0.35
2355-31-9	N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		20	3.1
2991-50-6	N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9
27619-97-2	6:2FTS	ND		20	2.0
39108-34-4	8:2FTS	ND		20	2.0

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FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 460-146711-1

SDG No.:

Client Sample ID: MW-05D | Lab Sample ID: 460-146711-5

Matrix: Water | Lab File ID: 2017.12.15LLA_050.d

Analysis Method: 537 (modified) | Date Collected: 12/04/2017 15:40

Extraction Method: 3535 | Date Extracted: 12/14/2017 10:11

Sample wt/vol: 251.2(mL) | Date Analyzed: 12/15/2017 17:44

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: GeminiC18 3x100 ID: 3(mm)

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

Analysis Batch No.: 200224 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND ~~0.35~~	~~J~~	2.0	2.0 ~~0.35~~
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		2.0	0.58
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.25
335-67-1	Perfluorooctanoic acid (PFOA)	ND		2.0	0.85
375-95-1	Perfluorononanoic acid (PFNA)	ND		2.0	0.27
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.31
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		2.0	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.29
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND ~~0.31~~	~~J B~~	2.0	2.0 ~~0.17~~
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.54
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32
754-91-6	Perfluorooctane Sulfonamide (FOSA)	ND		2.0	0.35
2355-31-9	N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		20	3.1
2991-50-6	N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9
27619-97-2	6:2FTS	ND		20	2.0
39108-34-4	8:2FTS	ND		20	2.0

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FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 460-146711-1

SDG No.:

Client Sample ID: MW-05I | Lab Sample ID: 460-146711-4

Matrix: Water | Lab File ID: 2017.12.15LLA_049.d

Analysis Method: 537 (modified) | Date Collected: 12/04/2017 15:40

Extraction Method: 3535 | Date Extracted: 12/14/2017 10:11

Sample wt/vol: 258.6(mL) | Date Analyzed: 12/15/2017 17:36

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: GeminiC18 3x100 ID: 3(mm)

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

Analysis Batch No.: 200224 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		1.9	0.34
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		1.9	0.47
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		1.9	0.56
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		1.9	0.24
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.9	0.82
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.9	0.26
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.9	0.30
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.9	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.9	0.53
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		1.9	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.9	0.28
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.9	0.19
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	~~0.26~~ ND	JB	1.9	~~0.16~~ 1.9
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9	0.18
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.9	0.52
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.31
754-91-6	Perfluorooctane Sulfonamide (FOSA)	ND		1.9	0.34
2355-31-9	N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		19	3.0
2991-50-6	N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		19	1.8
27619-97-2	6:2FTS	ND		19	1.9
39108-34-4	8:2FTS	ND		19	1.9

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FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 460-146711-1

SDG No.:

Client Sample ID: MW-05S | Lab Sample ID: 460-146711-3

Matrix: Water | Lab File ID: 2017.12.15LLA_048.d

Analysis Method: 537 (modified) | Date Collected: 12/04/2017 16:35

Extraction Method: 3535 | Date Extracted: 12/14/2017 10:11

Sample wt/vol: 257.7(mL) | Date Analyzed: 12/15/2017 17:28

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: GeminiC18 3x100 ID: 3(mm)

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

Analysis Batch No.: 200224 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND 0.68	J	1.9	1.9 0.34
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		1.9	0.48
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		1.9	0.56
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.27	J	1.9	0.24
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.9	0.82
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.9	0.26
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.9	0.30
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.9	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.9	0.53
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		1.9	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.9	0.28
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		1.9	0.19
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND 0.32	J B	1.9	1.9 0.16
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9	0.18
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		1.9	0.52
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.31
754-91-6	Perfluorooctane Sulfonamide (FOSA)	ND		1.9	0.34
2355-31-9	N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		19	3.0
2991-50-6	N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		19	1.8
27619-97-2	6:2FTS	ND		19	1.9
39108-34-4	8:2FTS	ND		19	1.9

CHK 1/10/18

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 460-146711-1

SDG No.:

Client Sample ID: MW-10I | Lab Sample ID: 460-146711-9

Matrix: Water | Lab File ID: 2017.12.15LLA_055.d

Analysis Method: 537 (modified) | Date Collected: 12/05/2017 09:30

Extraction Method: 3535 | Date Extracted: 12/14/2017 10:11

Sample wt/vol: 257.9(mL) | Date Analyzed: 12/15/2017 18:23

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: GeminiC18 3x100 ID: 3(mm)

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

Analysis Batch No.: 200224 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	2.2		1.9	0.34
2706-90-3	Perfluoropentanoic acid (PFPeA)	2.0		1.9	0.47
307-24-4	Perfluorohexanoic acid (PFHxA)	0.92	J	1.9	0.56
375-85-9	Perfluoroheptanoic acid (PFHpA)	0.29	J	1.9	0.24
335-67-1	Perfluorooctanoic acid (PFOA)	ND		1.9	0.82
375-95-1	Perfluorononanoic acid (PFNA)	ND		1.9	0.26
335-76-2	Perfluorodecanoic acid (PFDA)	ND		1.9	0.30
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		1.9	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		1.9	0.53
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		1.9	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		1.9	0.28
375-73-5	Perfluorobutanesulfonic acid (PFBS)	0.46	J	1.9	0.19
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	~~1.4~~ ND	~~J~~	1.9	~~0.16~~ 1.9
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9	0.18
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	0.65	J	1.9	0.52
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		1.9	0.31
754-91-6	Perfluorooctane Sulfonamide (FOSA)	0.94	J	1.9	0.34
2355-31-9	N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		19	3.0
2991-50-6	N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		19	1.8
27619-97-2	6:2FTS	ND		19	1.9
39108-34-4	8:2FTS	ND		19	1.9

1/10/18

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 460-146711-1

SDG No.:

Client Sample ID: EB-120417 | Lab Sample ID: 460-146711-6

Matrix: Water | Lab File ID: 2017.12.15LLA_051.d

Analysis Method: 537 (modified) | Date Collected: 12/04/2017 16:00

Extraction Method: 3535 | Date Extracted: 12/14/2017 10:11

Sample wt/vol: 254.3(mL) | Date Analyzed: 12/15/2017 17:51

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: GeminiC18 3x100 ID: 3(mm)

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

Analysis Batch No.: 200224 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	0.65	J	2.0	0.34
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		2.0	0.48
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		2.0	0.57
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.25
335-67-1	Perfluorooctanoic acid (PFOA)	ND		2.0	0.84
375-95-1	Perfluorononanoic acid (PFNA)	ND		2.0	0.27
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.30
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.54
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		2.0	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.29
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.26	J B	2.0	0.17
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.53
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.31
754-91-6	Perfluorooctane Sulfonamide (FOSA)	ND		2.0	0.34
2355-31-9	N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		20	3.0
2991-50-6	N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9
27619-97-2	6:2FTS	ND		20	2.0
39108-34-4	8:2FTS	ND		20	2.0

ATTACHMENT B

SUPPORT DOCUMENTATION

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica

Client Information	Sampler: Kevin J. McGowan	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-104623-24753.1
Client Contact: Mr. George Kisluk	Phone: 716 923-1101	E-Mail: judy.stone@testamericainc.com		Page: Page 1 of 2
Company: URS Corporation				Job #:
Address: 257 W. Genesee Street	Due Date Requested:	Analysis Requested		Preservation Codes:
City: Buffalo	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecanhydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: NY, 14202				
Phone:	PO #: CallOut ID: 121841			Other:
Email: george.kisluk@aecom.com	WO #:			
Project Name: Kerry Chemical #413001	Project #: 48005247			
Site: Kerry Chemical Niagara Falls, NY	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - (MOD) TCL SVOA - OLM04.2	6010C, 7470A	8260C - (MOD) TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D	A		
MW-03S	12/4/17	12:05	G	Water	N	N	2	1	3	6	
MW-03I		11:50		Water							
MW-04S		13:15		Water							
MW-04I		13:30		Water							
MW-33S		14:30		Water		N					
MW-33D		14:25		Water		Y					
MW-05S		16:35		Water		N					
MW-05I		15:40		Water							
MW-05D		15:40		Water							
FD 120417		—		Water							MW-33S
	+ RE			Water							

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date:	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	12/5/17 11:55		[signature]	12-7-17 11:55	URS
[signature]	12-7-17 15:00	URS	[signature]	12-8-17 0730	DHL
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

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12/29/2017

1.2.13 #1

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica

480-128653 COC

Client Information	Sampler	Lab PM	COC No
Client Contact: Mr. George Kisluk	Phone: 716 923-1102	E-Mail: judy.stone@testamericainc.com	480-104623-24753 2
Company: URS Corporation		Analysis Requested	Page: Page 2 of 2
Address: 257 W. Genesee Street	Due Date Requested:		Job #
City: Buffalo	TAT Requested (days):		
State, Zip: NY, 14202			
Phone	PO #: CallOut ID: 121841		
Email: george.kisluk@aecom.com	WO #		
Project Name: Kerry Chemical #413001	Project #: 48005247		
Site: Kerry Chemical	SSOW#:		

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, Oil, Tissue, Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - (MOD) TCL SVOA - OLM04.2	6010C, 7470A	8260C - (MOD) TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code				N	D	A		
MW-B1S	12/5/17	11:15	G	Water	N	Y	2	1	3	6	
MW-B1D		11:10		Water							
MW-07S		08:20		Water							
MW-07I		08:25		Water							
MW-07D		10:40		Water							
MW-11S		10:20		Water							
MW-10I		09:30		Water							
MW-10D		09:50		Water							
Trip Blank	—	—	—	Water					4	4	
	RE			Water							
	RE										

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by	Date	Time	Method of Shipment

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	12/7/17 11:15			12-7-17 11:15	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
	12-7-17 12:00			12/8/17 0830	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 1.2, 1.2 #1

Ver: 08/04/2016

Job Narrative
480-128653-1

Receipt
The samples were received on 12/8/2017 1:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.2° C and 1.3° C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) analyzed in batch 460-483059 was outside the method criteria for the following analyte: Bromoform. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in 460-483036 was outside the method criteria for the following analyte: Bromoform. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. This analyte was not detected in the associated samples.

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

GC/MS Semi VOA
Method(s) 8270D: The following sample was diluted due to the nature of the sample matrix: MW-10S (480-128653-16). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: Due to an increase in the spiking concentration required for other analytes of interest, the following compounds have been elevated to a level above the upper range of the initial calibration: 3,3'-Dichlorobenzidine. The laboratory control sample (LCS), matrix spike (MS) and matrix spike duplicate (MSD) associated with preparation batch 480-391210 and analytical batch 480-391444 recovered within acceptable limits for these analytes and have been qualified with an "E" flag.

Method(s) 8270D: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-B1S (480-128653-11) and MW-B1D (480-128653-12). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: Due to an increase in the spiking concentration required for other analytes of interest, the following compounds have been elevated to a level above the upper range of the initial calibration: 3,3'-Dichlorobenzidine. The laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) recovered within acceptable limits for these analytes and have been qualified with an "E" flag. (LCS 480-391673/2-A)

Method(s) 8270D: The laboratory control sample (LCS) for preparation batch 480-391673 and analytical batch 480-392058 recovered outside control limits for the following analytes: 3,3'-Dichlorobenzidine. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. The following sample is impacted: MW-04I (480-128653-4).

Method(s) 8270D: Surrogate recovery for the following sample was outside control limits: MW-04I (480-128653-4). Re-extraction and/or re-analysis was performed outside of holding time with acceptable results. Both sets of data have been reported.

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

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

Organic Prep
Method(s) 3510C: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: MW-B1S (480-128653-11). The reporting limits (RLs) have been adjusted proportionately.

Method(s) 3510C: Insufficient full sample volume (250ml needed) was provided for the following sample for the 8270 analysis: MW-05S (480-128653-7).

Method(s) 3510C: The following sample was re-prepared outside of preparation holding time due to surrogate failures associated with the original extraction: MW-04I (480-128653-4).

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

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

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 480-128653-1

SDG No.:

Lab File ID: N61419.D BFB Injection Date: 12/09/2017

Instrument ID: CVOAMS11 BFB Injection Time: 16:22

Analysis Batch No.: 483036

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.5	
75	30.0 - 60.0 % of mass 95	43.3	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.9	
173	Less than 2.0 % of mass 174	0.2	(0.2) 1
174	50.0 - 120.00 % of mass 95	93.7	
175	5.0 - 9.0 % of mass 174	6.6	(7.1) 1
176	95.0 - 101.0 % of mass 174	93.7	(100.0) 1
177	5.0 - 9.0 % of mass 176	5.3	(5.7) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-483036/2	N61420.D	12/09/2017	16:44
	LCS 460-483036/3	N61421.D	12/09/2017	17:07
	MB 460-483036/7	N61425.D	12/09/2017	18:46
TRIP BLANK	480-128653-19	N61426.D	12/09/2017	19:11
MW-B3D	480-128653-6	N61427.D	12/09/2017	19:35
MW-03S	480-128653-1	N61428.D	12/09/2017	19:58
MW-03I	480-128653-2	N61429.D	12/09/2017	20:20
MW-04S	480-128653-3	N61430.D	12/09/2017	20:44
MW-04I	480-128653-4	N61431.D	12/09/2017	21:06
MW-B3S	480-128653-5	N61432.D	12/09/2017	21:29
MW-B3D MS MS	480-128653-6 MS	N61433.D	12/09/2017	21:52
MW-B3D MSD MSD	480-128653-6 MSD	N61434.D	12/09/2017	22:15
MW-05S	480-128653-7	N61436.D	12/09/2017	23:01

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 480-128653-1

SDG No.:

Lab Sample ID: CCVIS 460-483036/2 Calibration Date: 12/09/2017 16:44

Instrument ID: CVOAMS11 Calib Start Date: 12/06/2017 19:35

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 12/06/2017 22:12

Lab File ID: N61420.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromoethane	Ave	0.2989	0.3160	0.1000	21.1	20.0	5.7	20.0
Chlorobenzene	Ave	0.9683	1.010	0.5000	20.9	20.0	4.3	20.0
Ethylbenzene	Ave	0.4972	0.5244	0.1000	21.1	20.0	5.5	20.0
1,1,1,2-Tetrachloroethane	QuaF		0.3055		17.3	20.0	-13.6	20.0
m-Xylene & p-Xylene	Ave	0.6046	0.6523	0.1000	21.6	20.0	7.9	20.0
o-Xylene	Ave	0.6231	0.6622	0.3000	21.3	20.0	6.3	20.0
n-Butyl acrylate	QuaF		0.2107		15.2	20.0	-23.9*	20.0
Styrene	Ave	0.997	1.091	0.3000	21.9	20.0	9.4	20.0
Bromoform	QuaF		0.2656	0.1000	14.2	20.0	-28.9*	20.0
Amyl acetate (mixed isomers)	QuaF		0.8613		15.5	20.0	-22.5*	20.0
Isopropylbenzene	Ave	1.616	1.729	0.1000	21.4	20.0	7.0	20.0
Bromobenzene	Ave	0.7785	0.8205		21.1	20.0	5.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7014	0.7391	0.3000	21.1	20.0	5.4	20.0
N-Propylbenzene	Ave	3.087	3.418		22.1	20.0	10.7	20.0
1,2,3-Trichloropropane	Ave	0.2372	0.2388		20.1	20.0	0.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1556	0.1559		20.0	20.0	0.2	20.0
2-Chlorotoluene	Ave	2.197	2.347		21.4	20.0	6.8	20.0
4-Ethyltoluene	Ave	2.695	2.982		22.1	20.0	10.6	20.0
1,3,5-Trimethylbenzene	Ave	2.336	2.533		21.7	20.0	8.5	20.0
4-Chlorotoluene	Ave	1.972	2.143		21.7	20.0	8.7	20.0
Butyl Methacrylate	QuaF		0.6859		15.6	20.0	-21.8*	20.0
tert-Butylbenzene	Ave	1.973	2.134		21.6	20.0	8.1	20.0
1,2,4-Trimethylbenzene	Ave	2.432	2.645		21.7	20.0	8.7	20.0
sec-Butylbenzene	Ave	2.843	3.110		21.9	20.0	9.4	20.0
1,3-Dichlorobenzene	Ave	1.435	1.550	0.6000	21.6	20.0	8.0	20.0
4-Isopropyltoluene	Ave	2.577	2.843		22.1	20.0	10.3	20.0
1,4-Dichlorobenzene	Ave	1.483	1.562	0.5000	21.1	20.0	5.3	20.0
1,2,3-Trimethylbenzene	Ave	2.613	2.819		21.6	20.0	7.9	20.0
Benzyl chloride	QuaF		0.6830		12.7	20.0	-36.3	50.0
Indan	Ave	2.608	2.831		21.7	20.0	8.6	20.0
p-Diethylbenzene	Ave	1.415	1.547		21.9	20.0	9.3	20.0
n-Butylbenzene	Ave	1.177	1.290		21.9	20.0	9.6	20.0
1,2-Dichlorobenzene	Ave	1.466	1.544	0.4000	21.1	20.0	5.3	20.0
1,2,4,5-Tetramethylbenzene	Ave	2.519	2.777		22.0	20.0	10.2	20.0
1,2-Dibromo-3-Chloropropane	QuaF		0.1019	0.0500	14.5	20.0	-27.7	50.0
1,3,5-Trichlorobenzene	Ave	1.139	1.178		20.7	20.0	3.4	20.0
1,2,4-Trichlorobenzene	Ave	1.130	1.165	0.2000	20.6	20.0	3.0	20.0
Hexachlorobutadiene	Ave	0.3441	0.3484		20.3	20.0	1.3	20.0
Naphthalene	Ave	2.909	2.890		19.9	20.0	-0.7	50.0
1,2,3-Trichlorobenzene	Ave	1.073	1.052		19.6	20.0	-2.0	20.0
Dibromofluoromethane (Surr)	Ave	0.2824	0.2707		47.9	50.0	-4.2	20.0

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Edison Job No.: 480-128653-1

SDG No.:

Lab File ID: N61438.D BFB Injection Date: 12/10/2017

Instrument ID: CVOAMS11 BFB Injection Time: 05:26

Analysis Batch No.: 483059

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.7	
75	30.0 - 60.0 % of mass 95	45.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.5	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	88.3	
175	5.0 - 9.0 % of mass 174	6.5	(7.3) 1
176	95.0 - 101.0 % of mass 174	84.3	(95.5) 1
177	5.0 - 9.0 % of mass 176	5.4	(6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-483059/2	N61439.D	12/10/2017	05:49
	LCS 460-483059/3	N61440.D	12/10/2017	06:12
	LCSD 460-483059/4	N61441.D	12/10/2017	06:35
	MB 460-483059/7	N61444.D	12/10/2017	07:44
MW-05I	480-128653-8	N61445.D	12/10/2017	08:06
MW-05D	480-128653-9	N61446.D	12/10/2017	08:29
FD-120417	480-128653-10	N61447.D	12/10/2017	08:58
MW-B1S	480-128653-11	N61448.D	12/10/2017	09:22
MW-B1D	480-128653-12	N61449.D	12/10/2017	09:45
MW-07S	480-128653-13	N61450.D	12/10/2017	10:08
MW-07I	480-128653-14	N61451.D	12/10/2017	10:31
MW-09S	480-128653-15	N61452.D	12/10/2017	10:54
MW-10S	480-128653-16	N61453.D	12/10/2017	11:17
MW-10I	480-128653-17	N61454.D	12/10/2017	11:40
MW-10D	480-128653-18	N61455.D	12/10/2017	12:03

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Edison Job No.: 480-128653-1

SDG No.:

Lab Sample ID: CCVIS 460-483059/2 Calibration Date: 12/10/2017 05:49

Instrument ID: CVOAMS11 Calib Start Date: 12/06/2017 19:35

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 12/06/2017 22:12

Lab File ID: N61439.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dibromoethane	Ave	0.2989	0.3050	0.1000	20.4	20.0	2.0	20.0
Chlorobenzene	Ave	0.9683	1.019	0.5000	21.1	20.0	5.3	20.0
Ethylbenzene	Ave	0.4972	0.5184	0.1000	20.9	20.0	4.3	20.0
1,1,1,2-Tetrachloroethane	QuaF		0.3205		18.1	20.0	-9.3	20.0
m-Xylene & p-Xylene	Ave	0.6046	0.6505	0.1000	21.5	20.0	7.6	20.0
o-Xylene	Ave	0.6231	0.6612	0.3000	21.2	20.0	6.1	20.0
n-Butyl acrylate	QuaF		0.2025		14.6	20.0	-26.9*	20.0
Styrene	Ave	0.997	1.100	0.3000	22.1	20.0	10.3	20.0
Bromoform	QuaF		0.2838	0.1000	15.2	20.0	-24.0*	20.0
Amyl acetate (mixed isomers)	QuaF		0.8558		15.4	20.0	-23.0*	20.0
Isopropylbenzene	Ave	1.616	1.727	0.1000	21.4	20.0	6.9	20.0
Bromobenzene	Ave	0.7785	0.8418		21.6	20.0	8.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7014	0.7151	0.3000	20.4	20.0	1.9	20.0
N-Propylbenzene	Ave	3.087	3.451		22.4	20.0	11.8	20.0
1,2,3-Trichloropropane	Ave	0.2372	0.2296		19.4	20.0	-3.2	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1556	0.1572		20.2	20.0	1.0	20.0
2-Chlorotoluene	Ave	2.197	2.443		22.2	20.0	11.2	20.0
4-Ethyltoluene	Ave	2.695	3.037		22.5	20.0	12.7	20.0
1,3,5-Trimethylbenzene	Ave	2.336	2.579		22.1	20.0	10.4	20.0
4-Chlorotoluene	Ave	1.972	2.196		22.3	20.0	11.4	20.0
Butyl Methacrylate	QuaF		0.7010		16.0	20.0	-20.0	20.0
tert-Butylbenzene	Ave	1.973	2.201		22.3	20.0	11.5	20.0
1,2,4-Trimethylbenzene	Ave	2.432	2.697		22.2	20.0	10.9	20.0
sec-Butylbenzene	Ave	2.843	3.158		22.2	20.0	11.1	20.0
1,3-Dichlorobenzene	Ave	1.435	1.591	0.6000	22.2	20.0	10.8	20.0
4-Isopropyltoluene	Ave	2.577	2.913		22.6	20.0	13.0	20.0
1,4-Dichlorobenzene	Ave	1.483	1.601	0.5000	21.6	20.0	7.9	20.0
1,2,3-Trimethylbenzene	Ave	2.613	2.888		22.1	20.0	10.5	20.0
Benzyl chloride	QuaF		0.7030		13.1	20.0	-34.4	50.0
Indan	Ave	2.608	2.912		22.3	20.0	11.6	20.0
p-Diethylbenzene	Ave	1.415	1.589		22.4	20.0	12.2	20.0
n-Butylbenzene	Ave	1.177	1.322		22.5	20.0	12.3	20.0
1,2-Dichlorobenzene	Ave	1.466	1.580	0.4000	21.5	20.0	7.7	20.0
1,2,4,5-Tetramethylbenzene	Ave	2.519	2.865		22.8	20.0	13.8	20.0
1,2-Dibromo-3-Chloropropane	QuaF		0.0999	0.0500	14.2	20.0	-29.0	50.0
1,3,5-Trichlorobenzene	Ave	1.139	1.214		21.3	20.0	6.5	20.0
1,2,4-Trichlorobenzene	Ave	1.130	1.178	0.2000	20.8	20.0	4.2	20.0
Hexachlorobutadiene	Ave	0.3441	0.3746		21.8	20.0	8.9	20.0
Naphthalene	Ave	2.909	2.700		18.6	20.0	-7.2	50.0
1,2,3-Trichlorobenzene	Ave	1.073	1.031		19.2	20.0	-3.9	20.0
Dibromofluoromethane (Surr)	Ave	0.2824	0.2680		47.4	50.0	-5.1	20.0

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-128653-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5Sil MS ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHd14 #
MW-03S	480-128653-1	58	42	90	90	78	94
MW-03I	480-128653-2	65	50	89	89	69	100
MW-04S	480-128653-3	65	47	90	89	89	91
MW-04I	480-128653-4	30 X	19 X	86	87	49	96
MW-04I RE	480-128653-4 RE	35	23	98	96	66	98
MW-B3S	480-128653-5	52	40	86	88	86	100
MW-B3D	480-128653-6	72	56	95	89	81	104
MW-05S	480-128653-7	61	49	92	92	84	91
MW-05I	480-128653-8	68	53	94	95	80	105
MW-05D	480-128653-9	67	52	93	93	84	106
FD-120417	480-128653-10	60	45	93	91	83	101
MW-B1S	480-128653-11	64	43	96	96	93	90
MW-B1S DL	480-128653-11 DL	59	47	93	102	47	84
MW-B1D	480-128653-12	64	42	96	96	92	93
MW-B1D DL	480-128653-12 DL	56	49	81	94	51	87
MW-07S	480-128653-13	66	50	91	95	107	99
MW-07I	480-128653-14	69	54	95	92	88	109
MW-09S	480-128653-15	66	52	95	92	86	108
MW-10S	480-128653-16	60	50	92	96	99	82
MW-10I	480-128653-17	71	54	96	98	82	105
MW-10D	480-128653-18	67	51	96	94	70	103
	MB 480-391210/1-A	72	55	93	93	93	113
	MB 480-391673/1-A	76	59	96	95	85	110
	LCS 480-391210/2-A	77	61	97	97	110	110
	LCS 480-391673/2-A	75	61	91	91	109	106
MW-B3D MS MS	480-128653-6 MS	72	59	90	92	105	94
MW-B3D MSD MSD	480-128653-6 MSD	80	62	97	101	110	104

	QC LIMITS
2FP = 2-Fluorophenol	35-120
PHL = Phenol-d5	22-120
NBZ = Nitrobenzene-d5	46-120
FBP = 2-Fluorobiphenyl	48-120
TBP = 2,4,6-Tribromophenol	41-120
TPHd14 = p-Terphenyl-d14	59-136

Column to be used to flag recovery values

FORM II 8270D

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Kerry J. McGrew	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-104659-24757.1
Client Contact: Mr. George Kisluk	Phone: 716-923-1101	E-Mail: judy.stone@testamericainc.com		Page: Page 1 of 2
Company: URS Corporation				Job #: 146711
Address: 257 W. Genesee Street	Due Date Requested:			
City: Buffalo	TAT Requested (days):			
State, Zip: NY, 14202				
Phone:	PO #: CallOut ID: 121841			
Email: george.kisluk@aecom.com	WO #:			
Project Name: Kerry Chemical #413001	Project #: 48005247			
Site: Kerry Chemical	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

460-146711 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wastewater, Sediment, Groundwater, BT=Tissue, Air)	Field Filtered Sample (Yes or No)	PFC_IDA - PFAS, Standard List (21 Analytes)	8270D_SIM_14DX - 8270D SIM - 1,4-Dioxane	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N			
MW-03I	12/4/17	11:50	G	Water	N	N	2	2	4	1
MW-03D		12:05		Water					2
MW-05S		16.35		Water					3
MW-05I		15.40		Water					4
MW-05D		15:40		Water					5
EB-120417		16.00		Water					6
MW-13S	12/5/17	11:15	G	Water	N	N	2	2	4	7
MW-13D		11:10		Water					8
MW-10I		09:30		Water					9
				Water					
				Water					

MW-03S

Duplicate

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		12/7/17 11:55			12-7-17 11:55	
2	R. Kisluk	12-7-17, 19:00	Tyc	FEDEX SAT DEL	12/9/17, 1110	TA Edi
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: CS#009350	Cooler Temperature(s) °C and Other Remarks: 0.3°C IR#9

Ver: 08/04/2016

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01/02/2018

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Kevin T. McGoldrick	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-104654-24755.1
Client Contact: Mr. George Kisluk	Phone: 716-923-1101	E-Mail: judy.stone@testamericainc.com		Page: Page 1 of 1
Company: URS Corporation				Job #: 146711
Address: 257 W. Genesee Street	Due Date Requested:	Analysis Requested		Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Buffalo	TAT Requested (days):			
State, Zip: NY, 14202				
Phone:	PO #: CallOut 121582			Other:
Email: george.kisluk@aecom.com	WO #:			
Project Name: Camp Summit #448006	Project #: 48007424			
Site: Camp Summit	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Wwater, Ssolid, Owaste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - PFAS, Standard List (21 Analytes)	8270D_SIM_142DX - 8270D SIM - 1,4-Dioxane	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
MW-02	12/6/17	10:45	G	Water	N	N	2	2	4	10
MW-09		13:25		Water						11
MW-18		14:25		Water						12
MW-11	12/7/17	07:55	G	Water	N	N	2	2	4	13
EB-120717		08:10		Water	N	N	2	2		14
				Water						
				Water						
				Water						

RE 12-7-17

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

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	12/7/17, 11:55		RE Kisluk	12-7-17, 11:55	Sya
Relinquished by: R.Kisluk	Date/Time: 12-7-17, 19:00	Company Sya	Received by: FEDEX SAT DEL	Date/Time: 12/09/17, 1110	Company TA Edi
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: CS# 0093350	Cooler Temperature(s) °C and Other Remarks: 0.3°C IR#9

Ver: 08/04/2016

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Receipt
The samples were received on 12/9/2017 11:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.3° C.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

LCMS
Method(s) 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following samples: MW-B1S (460-146711-7), MW-B1D (460-146711-8) and MW-10I (460-146711-9). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

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

Organic Prep
Method(s) 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-199845.

Method code 3535_PFC, waters

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

FORM IV
LCMS METHOD BLANK SUMMARY

Lab Name: TestAmerica Sacramento Job No.: 460-146711-1

SDG No.:

Lab File ID: 2017.12.15LLA_043.d Lab Sample ID: MB 320-199845/1-A

Matrix: Water Date Extracted: 12/14/2017 10:11

Instrument ID: A8_N Date Analyzed: 12/15/2017 16:48

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 320-199845/2-A	2017.12.15LLA 044.d	12/15/2017 16:56
	LCSD 320-199845/3-A	2017.12.15LLA 045.d	12/15/2017 17:04
MW-03I	460-146711-1	2017.12.15LLA 046.d	12/15/2017 17:12
MW-03D	460-146711-2	2017.12.15LLA 047.d	12/15/2017 17:20
MW-05S	460-146711-3	2017.12.15LLA 048.d	12/15/2017 17:28
MW-05I	460-146711-4	2017.12.15LLA 049.d	12/15/2017 17:36
MW-05D	460-146711-5	2017.12.15LLA 050.d	12/15/2017 17:44
EB-120417	460-146711-6	2017.12.15LLA 051.d	12/15/2017 17:51
MW-B1S	460-146711-7	2017.12.15LLA 052.d	12/15/2017 17:59
MW-B1D	460-146711-8	2017.12.15LLA 054.d	12/15/2017 18:15
MW-10I	460-146711-9	2017.12.15LLA 055.d	12/15/2017 18:23

FORM I
LCMS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Sacramento | Job No.: 460-146711-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 320-199845/1-A

Matrix: Water | Lab File ID: 2017.12.15LLA_043.d

Analysis Method: 537 (modified) | Date Collected:

Extraction Method: 3535 | Date Extracted: 12/14/2017 10:11

Sample wt/vol: 250(mL) | Date Analyzed: 12/15/2017 16:48

Con. Extract Vol.: 10.0(mL) | Dilution Factor: 1

Injection Volume: 2(uL) | GC Column: GeminiC18 3x100 ID: 3(mm)

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

Analysis Batch No.: 200224 | Units: ng/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
375-22-4	Perfluorobutanoic acid (PFBA)	ND		2.0	0.35
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		2.0	0.49
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		2.0	0.58
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		2.0	0.25
335-67-1	Perfluorooctanoic acid (PFOA)	ND		2.0	0.85
375-95-1	Perfluorononanoic acid (PFNA)	ND		2.0	0.27
335-76-2	Perfluorodecanoic acid (PFDA)	ND		2.0	0.31
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		2.0	1.1
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		2.0	0.55
72629-94-8	Perfluorotridecanoic Acid (PFTriA)	ND		2.0	1.3
376-06-7	Perfluorotetradecanoic acid (PFTeA)	ND		2.0	0.29
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		2.0	0.20
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	0.274	J	2.0	0.17
375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0	0.19
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		2.0	0.54
335-77-3	Perfluorodecanesulfonic acid (PFDS)	ND		2.0	0.32
754-91-6	Perfluorooctane Sulfonamide (FOSA)	ND		2.0	0.35
2355-31-9	N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	ND		20	3.1
2991-50-6	N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	ND		20	1.9
27619-97-2	6:2FTS	ND		20	2.0
39108-34-4	8:2FTS	ND		20	2.0

APPENDIX E

MONITORING WELL INSPECTION FORMS

KERRY CHEMICAL COMPANY SITE
NYSDEC SITE NO. 4-13-001

WELL INSPECTION LOG SHEET

Well ID:	MW-B1S	**Time:**	10:00
Date:	12/4/17	**Inspector:**	Kevin McGovern
Weather:	45° F FOG	**Signature:**	
Temperature:	40°F	**Company:**	URS Corporation
Season (circle one):	Winter Spring Summer (Fall)		

Area	Item Inspected	Comments (attach additional sheet if needed)	Additional Maintenance Needed?	Inspector's Initials
Well Exterior	Casing and collar	GOOD	NONE	KCM
	Well label	↓	↓	↓
	Lock and Cover	↓	↓	↓
	Weep hole	↓	↓	↓
	Vegetation	↓	↓	↓
	Tampering	NONE	↓	↓
	Other	—	↓	↓
Well Interior	Well cap	GOOD	↓	↓
	Well riser	↓	↓	↓
	Annular space	↓	↓	↓
	Sediment accumulation	NONE	↓	↓
	Other	↓		

KERRY CHEMICAL COMPANY SITE
NYSDEC SITE NO. 4-13-001

WELL INSPECTION LOG SHEET

Well ID:	MW-31D	**Time:**	10:05
Date:	~~12/4/17~~ 12/4/17	**Inspector:**	Kevin McGovern
Weather:	Foggy	**Signature:**	
Temperature:	40°F	**Company:**	URS Corporation
Season (circle one):	Winter Spring Summer (Fall)		

Area	Item Inspected	Comments (attach additional sheet if needed)	Additional Maintenance Needed?	Inspector's Initials
Well Exterior	Casing and collar	Good	None	KJM
	Well label	✓	✓	✓
	Lock and Cover	✓	✓	✓
	Weep hole	✓	✓	✓
	Vegetation		✓	✓
	Tampering	None	✓	✓
	Other	—	✓	✓
Well Interior	Well cap	Good	✓	✓
	Well riser	✓	✓	✓
	Annular space	✓	✓	✓
	Sediment accumulation	None	✓	✓
	Other	—		

KERRY CHEMICAL COMPANY SITE
NYSDEC SITE NO. 4-13-001

WELL INSPECTION LOG SHEET

Well ID:	MW-B3S	**Time:**	14:00
Date:	12/4/17	**Inspector:**	Kevin McGovern
Weather:	43°F	**Signature:**	
Temperature:	Sunny	**Company:**	URS Corporation
Season (circle one):	Winter Spring Summer (Fall)		

Area	Item Inspected	Comments (attach additional sheet if needed)	Additional Maintenance Needed?	Inspector's Initials
Well Exterior	Casing and collar	Good	None	KJM
	Well label			
	Lock and Cover			
	Weep hole			
	Vegetation			
	Tampering			
	Other			
Well Interior	Well cap	Good		
	Well riser			
	Annular space			
	Sediment accumulation			
	Other			

KERRY CHEMICAL COMPANY SITE
NYSDEC SITE NO. 4-13-001

WELL INSPECTION LOG SHEET

Well ID:	MW-B3D	**Time:**	14:00
Date:	12/4/17	**Inspector:**	Kevin McGovern
Weather:	43°F	**Signature:**	
Temperature:	Sunny	**Company:**	URS Corporation
Season (circle one): Winter Spring Summer (Fall)			

Area	Item Inspected	Comments (attach additional sheet if needed)	Additional Maintenance Needed?	Inspector's Initials
Well Exterior	Casing and collar	Good	None	KM
	Well label			
	Lock and Cover			
	Weep hole			
	Vegetation			
	Tampering	—		
	Other	—		
Well Interior	Well cap	Good		
	Well riser			
	Annular space			
	Sediment accumulation	—		
	Other	—		

KERRY CHEMICAL COMPANY SITE
NYSDEC SITE NO. 4-13-001

WELL INSPECTION LOG SHEET

Well ID:	MW-035	**Time:**	11:14
Date:	12/4/17	**Inspector:**	Kevin McGovern
Weather:	Sunny	**Signature:**	
Temperature:	42°F	**Company:**	URS Corporation
Season (circle one):	Winter Spring Summer (Fall)		

Area	Item Inspected	Comments (attach additional sheet if needed)	Additional Maintenance Needed?	Inspector's Initials
Well Exterior	Casing and collar	Good	None	KJM
	Well label			
	Lock and Cover			
	Weep hole			
	Vegetation			
	Tampering	None		
	Other	—		
Well Interior	Well cap	Good		
	Well riser			
	Annular space			
	Sediment accumulation	None		
	Other	—		

KERRY CHEMICAL COMPANY SITE
NYSDEC SITE NO. 4-13-001

WELL INSPECTION LOG SHEET

Well ID:	MW-03I	**Time:**	11:35
Date:	12/4/17	**Inspector:**	Kevin McGovern
Weather:	Sunny	**Signature:**	
Temperature:	42°	**Company:**	URS Corporation
Season (circle one):	Winter Spring Summer (Fall)		

Area	Item Inspected	Comments (attach additional sheet if needed)	Additional Maintenance Needed?	Inspector's Initials
Well Exterior	Casing and collar	Good	None	KJM
	Well label	↓	↓	
	Lock and Cover	↓	↓	
	Weep hole	↓	↓	
	Vegetation	↓	↓	
	Tampering	None	↓	
	Other	—	↓	
Well Interior	Well cap	Good	↓	
	Well riser	↓	↓	
	Annular space	↓	↓	
	Sediment accumulation	None	↓	
	Other	—		

KERRY CHEMICAL COMPANY SITE
NYSDEC SITE NO. 4-13-001

WELL INSPECTION LOG SHEET

Well ID:	MW-04I	**Time:**	12:55
Date:	12/4/17	**Inspector:**	Kevin McGovern
Weather:	40°F	**Signature:**	
Temperature:	SUNNY	**Company:**	URS Corporation
Season (circle one): Winter Spring Summer (Fall)			

Area	Item Inspected	Comments (attach additional sheet if needed)	Additional Maintenance Needed?	Inspector's Initials
Well Exterior	Casing and collar	GOOD	NONE	KJM
	Well label			
	Lock and Cover			
	Weep hole			
	Vegetation			
	Tampering	—		
	Other	—		
Well Interior	Well cap	GOOD		
	Well riser			
	Annular space			
	Sediment accumulation	—		
	Other	—		

KERRY CHEMICAL COMPANY SITE
NYSDEC SITE NO. 4-13-001

WELL INSPECTION LOG SHEET

Well ID:	MW-045	**Time:**	12:50
Date:	12/19/17	**Inspector:**	Kevin McGovern
Weather:	43°F	**Signature:**	
Temperature:	Sunny	**Company:**	URS Corporation
Season (circle one):	Winter	Spring	Summer	(Fall)

Area	Item Inspected	Comments (attach additional sheet if needed)	Additional Maintenance Needed?	Inspector's Initials
Well Exterior	Casing and collar	Good	None	KGM
	Well label			
	Lock and Cover			
	Weep hole			
	Vegetation			
	Tampering	None		
	Other	—		
Well Interior	Well cap	Good		
	Well riser			
	Annular space			
	Sediment accumulation	—		
	Other	—		

KERRY CHEMICAL COMPANY SITE
NYSDEC SITE NO. 4-13-001

WELL INSPECTION LOG SHEET

Well ID:	MW-05S	**Time:**	1610
Date:	12/4/17	**Inspector:**	Kevin McGovern
Weather:	43°F	**Signature:**	
Temperature:	Sunny	**Company:**	URS Corporation
Season (circle one):	Winter Spring Summer (Fall)		

Area	Item Inspected	Comments (attach additional sheet if needed)	Additional Maintenance Needed?	Inspector's Initials
Well Exterior	Casing and collar	Good	None	KGM
	Well label			
	Lock and Cover			
	Weep hole			
	Vegetation			
	Tampering	—		
	Other	—		
Well Interior	Well cap	Good		
	Well riser			
	Annular space			
	Sediment accumulation	—		
	Other	—		

KERRY CHEMICAL COMPANY SITE
NYSDEC SITE NO. 4-13-001

WELL INSPECTION LOG SHEET

Well ID:	MW-05I	**Time:**	15:20
Date:	12/4/17	**Inspector:**	Kevin McGovern
Weather:	43°F	**Signature:**	
Temperature:	Sunny	**Company:**	URS Corporation
Season (circle one):	Winter Spring Summer (Fall)		

Area	Item Inspected	Comments (attach additional sheet if needed)	Additional Maintenance Needed?	Inspector's Initials
Well Exterior	Casing and collar	Good	None	KJM
	Well label			
	Lock and Cover			
	Weep hole			
	Vegetation			
	Tampering	—		
	Other	—		
Well Interior	Well cap	Good		
	Well riser			
	Annular space			
	Sediment accumulation	—		
	Other	—		

KERRY CHEMICAL COMPANY SITE
NYSDEC SITE NO. 4-13-001

WELL INSPECTION LOG SHEET

Well ID:	MW-05D	**Time:**	15:20
Date:	12/4/17	**Inspector:**	Kevin McGovern
Weather:	43°F	**Signature:**	
Temperature:	SUNNY	**Company:**	URS Corporation
Season (circle one):	Winter Spring Summer (Fall)		

Area	Item Inspected	Comments (attach additional sheet if needed)	Additional Maintenance Needed?	Inspector's Initials
Well Exterior	Casing and collar	GOOD	NONE	KMG
	Well label	↓	↓	↓
	Lock and Cover	↓	↓	↓
	Weep hole	↓	↓	↓
	Vegetation	↓	↓	↓
	Tampering	—	↓	↓
	Other	—	↓	↓
Well Interior	Well cap	GOOD	↓	↓
	Well riser	↓	↓	↓
	Annular space	↓	↓	↓
	Sediment accumulation	—	↓	↓
	Other	—	↓	↓

KERRY CHEMICAL COMPANY SITE
NYSDEC SITE NO. 4-13-001

WELL INSPECTION LOG SHEET

Well ID:	MW-07S	**Time:**	08:00
Date:	12/5/17	**Inspector:**	Kevin McGovern
Weather:	CO MAIN	**Signature:**	KMcG
Temperature:	45°F	**Company:**	URS Corporation
Season (circle one):	Winter Spring Summer (Fall)		

Area	Item Inspected	Comments (attach additional sheet if needed)	Additional Maintenance Needed?	Inspector's Initials
Well Exterior	Casing and collar	NONE	NONE	KMcG
	Well label			
	Lock and Cover			
	Weep hole			
	Vegetation			
	Tampering			
	Other			
Well Interior	Well cap			
	Well riser			
	Annular space			
	Sediment accumulation			
	Other			

KERRY CHEMICAL COMPANY SITE
NYSDEC SITE NO. 4-13-001

WELL INSPECTION LOG SHEET

Well ID:	MW-07I	**Time:**	07:55
Date:	12/5/17	**Inspector:**	Kevin McGovern
Weather:	Light rain	**Signature:**	
Temperature:	45°F	**Company:**	URS Corporation
Season (circle one): Winter Spring Summer (Fall)			

Area	Item Inspected	Comments (attach additional sheet if needed)	Additional Maintenance Needed?	Inspector's Initials
Well Exterior	Casing and collar	NONE	NONE	KGW
	Well label			
	Lock and Cover			
	Weep hole			
	Vegetation			
	Tampering			
	Other			
Well Interior	Well cap			
	Well riser			
	Annular space			
	Sediment accumulation			
	Other			

KERRY CHEMICAL COMPANY SITE
NYSDEC SITE NO. 4-13-001

WELL INSPECTION LOG SHEET

Well ID:	MW-09S	**Time:**	1015
Date:	12/5/17	**Inspector:**	Kevin McGovern
Weather:	~~[illegible]~~ LT RAIN	**Signature:**	
Temperature:	45° F	**Company:**	URS Corporation
Season (circle one):	Winter Spring Summer (Fall)		

Area	Item Inspected	Comments (attach additional sheet if needed)	Additional Maintenance Needed?	Inspector's Initials
Well Exterior	Casing and collar	GOOD	NONE	KMM
	Well label			
	Lock and Cover			
	Weep hole			
	Vegetation			
	Tampering	—		
	Other	—		
Well Interior	Well cap	GOOD		
	Well riser			
	Annular space			
	Sediment accumulation	—		
	Other	—		

KERRY CHEMICAL COMPANY SITE
NYSDEC SITE NO. 4-13-001

WELL INSPECTION LOG SHEET

Well ID:	MW-105	**Time:**	10:00
Date:	12/5/17	**Inspector:**	Kevin McGovern
Weather:	Lt. Rain	**Signature:**	
Temperature:	45°F	**Company:**	URS Corporation
Season (circle one):	Winter Spring Summer (Fall)		

Area	Item Inspected	Comments (attach additional sheet if needed)	Additional Maintenance Needed?	Inspector's Initials
Well Exterior	Casing and collar	NONE	NONE	KSM
	Well label			
	Lock and Cover			
	Weep hole			
	Vegetation			
	Tampering			
	Other			
Well Interior	Well cap			
	Well riser			
	Annular space			
	Sediment accumulation			
	Other			

KERRY CHEMICAL COMPANY SITE
NYSDEC SITE NO. 4-13-001

WELL INSPECTION LOG SHEET

Well ID:	MW-10I	**Time:**	09:15
Date:	12/5/17	**Inspector:**	Kevin McGovern
Weather:	CLEAN	**Signature:**	
Temperature:	45°F	**Company:**	URS Corporation
Season (circle one): Winter Spring Summer (Fall)			

Area	Item Inspected	Comments (attach additional sheet if needed)	Additional Maintenance Needed?	Inspector's Initials
Well Exterior	Casing and collar	NONE	NONE	KGM
	Well label			
	Lock and Cover			
	Weep hole			
	Vegetation			
	Tampering			
	Other			
Well Interior	Well cap			
	Well riser			
	Annular space			
	Sediment accumulation			
	Other			

KERRY CHEMICAL COMPANY SITE
NYSDEC SITE NO. 4-13-001

WELL INSPECTION LOG SHEET

Well ID:	MW-10D	**Time:**	09:20
Date:	12/5/17	**Inspector:**	Kevin McGovern
Weather:	LT RAIN	**Signature:**	
Temperature:	45°F	**Company:**	URS Corporation
Season (circle one):	Winter Spring Summer (Fall)		

Area	Item Inspected	Comments (attach additional sheet if needed)	Additional Maintenance Needed?	Inspector's Initials
Well Exterior	Casing and collar	NONE	NONE	KJM
	Well label			
	Lock and Cover			
	Weep hole			
	Vegetation			
	Tampering			
	Other			
Well Interior	Well cap			
	Well riser			
	Annular space			
	Sediment accumulation			
	Other			

APPENDIX F

SITE INSPECTION FORM

KERRY CHEMICAL COMPANY SITE
NYSDEC SITE NO. 4-13-001

SITE INSPECTION LOG SHEET

Date:	12/4/17	**Inspector:**	Kevin T. McGowan
Weather:	~~clear~~ Sunny	**Signature:**	
Temperature:	43°F	**Company:**	URS
Season (circle one):	Winter Spring Summer		Fall

Area	Item Inspected	Comments (attach additional sheets if needed)	Additional Maintenance Needed?	Inspector's Initials
Access Road	Road surface		Yes / No	KTM
	Stream bank		Yes / No	
	Drainage channel		Yes / No	
	Culvert		Yes / No	
Site Fence	Fabric	GOOD	Yes / No	
	Gates		Yes / No	
	Vehicle tracks		Yes / No	
	Shot gun shells or other trash present		Yes / No	
	Vandalism		Yes / No	
Vegetative Cover	Sparse, dead, stressed, or missing vegetation	OVERGROWN, NEEDS MOWING	Yes / No	
	Erosion channels		Yes / No	
	Erosion along sheet pile or rip-rap		Yes / No	
Monitoring Wells	See well inspection sheets		Yes / No	
Stream Bank Protection	Condition of toe	NONE	Yes / No	
	Condition of ends of revetments		Yes / No	
	Subsidence or slumping		Yes / No	
	Vegetation growing through rip-rap		Yes / No	
Other			Yes / No	

Attach Photolog