Prepared for:
Wyoming County

Prepared by:
AECOM
Buffalo, New York
60583042
September 2019

PERIODIC REVIEW REPORT

Wyoming County Fire Training Center
3651 Wethersfield Road
Wethersfield, New York
Voluntary Cleanup (Site v-00604-9)

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Prepared By: Colin Wasteneys, P.G.

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EXECUTIVE SUMMARY

This Periodic Review Report (PRR) is being provided to the New York State Department of Environmental Conservation (NYSDEC) as required by the June 2011 Site Management Plan (SMP) for the Wyoming County Fire Training Center (WCFTC or Site). The report covers the period from September 2017 through August 2019.

The WCFTC is located at 3651 Wethersfield Road in the Town of Wethersfield, Wyoming County, New York (Figure 1). Flammable liquids consisting of solvents, petroleum products, paint thinners, degreasers, etc. were brought to the WCFTC and stored in an on-site aboveground storage tank (AST) and in drums. Liquids from the AST were conveyed to two sub-grade concrete-lined fire pits, then ignited, and subsequently extinguished during fire training exercises. The AST, fire pits, underground piping and drum storage area were all located on about one acre in the eastern portion of the WCFTC facility.

Investigation data showed that soil and groundwater on Site, and groundwater at two adjacent County-owned parcels located immediately east of the WCFTC, had been impacted by volatile organic compounds (VOCs).

The County subsequently entered into a Voluntary Cleanup Agreement (VCA) #B9-0623-02-09, Site #V-00604-9, with the NYSDEC on October 24, 2002 to remediate the Site.

Remedial activities consisting of drum removal, AST removal, contaminated soil excavation, in-situ chemical oxidation in VOC source areas, and installation of two permeable reactive walls (PRWs; Figure 2) were conducted by AECOM (formerly URS) in accordance with NYSDEC-approved Work Plans. Initial remedial activities were completed in November 2006. A supplemental remedial action consisting of the emplacement of additional zero valent iron (ZVI)/sand in the north PRW was completed in May 2009, at the request of the NYSDEC.

Following submission of a SMP, submission of a Final Engineering Report and filing of a Declaration of Covenants and Restrictions, NYSDEC issued a ”release and covenant not to sue” to the County for the Site on February 19, 2014.

A quarterly groundwater monitoring program was initiated following remedy implementation (i.e., January 2007) to monitor the progress and effectiveness of the remedial actions in achieving the Remedial Action Objectives (RAOs). Frequency of groundwater monitoring was then changed to annually following acceptance of the SMP in 2011. Following submittal of the 2015 PRR, the NYSDEC agreed to the current biennial (i.e., every two years) groundwater sampling schedule.

Groundwater sampling for this reporting period was completed on May 1, 2019. Results show that concentrations of detected VOCs in MW-02 are within the historical range of results for this well. VOC concentrations detected in wells MW-07, MW-12, and MW-15 are at their lowest in 10 years, with no VOCs being detected in MW-12 for the first time.

The monitoring program also includes annual sampling of a nearby spring and potable well sampling of two nearby residential wells. Residential well sampling was performed on July 31, 2018 and May 1, 2019. Results of potable well samples showed only the presence of low level (i.e., less than 2.5 micrograms per liter (ug/L) of acetone – well below the SCG of 50 ug/L. Acetone is a common

laboratory contaminant and is not considered a Site-related contaminant. The spring was only sampled on May 1, 2019 as the spring was submerged and could not be located during the July 2018 sampling event. The lab results for the May 1, 2019 spring sample were with the historical range of results.

A site-wide inspection, including inspection of the engineering control systems (i.e., north and south permeable reactive walls) was performed on June 28, 2019. All elements of the remedial program were found to be in good condition. The outer casing of monitoring well MW-18 was found t be broken and will be repaired during the next Site visit. The inner casing was intact, and the integrity of the well was not impacted.

Based on results of monitoring and inspection conducted during this reporting period, the remedial program at the Site continues to be effective in reducing overall impacts to groundwater and continues to be protective of human health and the environment. All applicable components of the SMP have been complied with during this reporting period. No changes in the remedial program or monitoring plans are recommended at this time.

1.0 INTRODUCTION

AECOM Technical Services, Inc. (AECOM) was contracted by Wyoming County to perform routine monitoring and prepare a Periodic Review Report (PRR) for the Wyoming County Fire Training Facility (WCFTC) located at 3651 Wethersfield Road, Wethersfield, New York (hereinafter referred to as the "Site"). This PRR presents the results of routine monitoring and inspections for the period from September 2017 through August 2019.

1.1 Site Location, Description and History

The Wyoming County Fire Training Center (WCFTC) is located at 3651 Wethersfield Road in the Town of Wethersfield, Wyoming County, New York (Figure 1). The facility is located on the north side of Wethersfield Road approximately one-half mile east of the intersection with Poplar Hill Road.
The WCFTC was operated by Wyoming County commencing in the 1970s. Flammable liquids consisting of solvents, petroleum products, paint thinners, degreasers, etc. were brought to the WCFTC and stored in an on-site aboveground storage tank (AST) and in drums. Liquids from the AST were conveyed to two sub-grade concrete-lined fire pits (i.e., north and south pits) via an underground steel piping/valve system. The flammable liquids were ignited and subsequently extinguished during fire training exercises. The AST, fire pits, underground piping and drum storage area were located on about one acre in the eastern portion of the WCFTC.

Investigation data showed that soil at the WCFTC, and groundwater beneath the WCFTC and the two adjacent County-owned parcels located immediately east of the WCFTC (i.e., the former Agro Property and the former Weber Property), had been impacted by volatile organic compounds (VOCs).

The County subsequently entered into a Voluntary Cleanup Agreement (VCA) #B9-0623-02-09, Site #V-00604-9, with the NYSDEC on October 24, 2002 to remediate the site. The objectives of the remedial action (RA) were to remove on-site contaminated soils and containers to reduce/eliminate the source of VOCs and to treat contaminated groundwater such that:

- contaminant levels in soils do not exceed the soil cleanup objectives (SCOs) for commercial/industrial sites as outlined in 6 NYCRR Part 375, and
- contaminant levels in groundwater at the property boundaries do not exceed the Standards, Criteria and Guidance values (SCGs) outlined in the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1: Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998.

Remedial activities consisting of drum removal, AST removal, contaminated soil excavation, in-situ chemical oxidation in VOC source areas, and installation of two permeable reactive walls (PRWs; Figure 2) were conducted by AECOM (formerly URS) in accordance with NYSDEC-approved Work Plans. Initial remedial activities were completed in November 2006. A supplemental remedial action consisting of the emplacement of additional zero valent iron (ZVI)/sand in the north PRW was completed in May 2009 at the request of the NYSDEC. No changes have been made to the selected remedy since implementation.

A more detailed description of the Site history and previous investigation/remediation activities is presented in the *Final Site Management Plan for the Wyoming County Fire Training Area,*

Wethersfield, New York, URS June 2011 and the, *Final Engineering Report for the Wyoming County Fire Training Area, Wethersfield, New York,* URS February 2012.

2.0 REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

2.1 Soils

Following completion of the contaminated soils excavation conducted as part of the RA, confirmatory samples showed that VOC concentrations in the remaining on-site soils did not exceed the Part 375 SCOs for Commercial/Industrial sites, thereby meeting the RAOs for the Site.

2.2 Groundwater

Following implementation of the RA, groundwater in some areas of the Site, and in a spring located on the south side of Wethersfield Road, approximately 60 feet east of MW-13 (Figures 1 and 2), exhibited some VOC concentrations exceeding the SCGs. Consequently, groundwater monitoring of VOCs was implemented beginning in the first quarter following completion of the RA (i.e., January 2007) to evaluate the long-term effectiveness of the RA.

The results of this VOC monitoring are summarized in Table 1. Review of VOC and water level data (Table 2) in the four wells that are monitored (i.e., MW-02, -07, -12 and -15) suggests that VOC concentrations are cyclical. The concentrations typically rise during periods when groundwater levels drop (typically summer months) and decrease during periods when groundwater levels rise (typically winter/spring months). Less dilution/lower hydraulic gradients in summer theoretically result in higher concentrations while higher dilution/steeper hydraulic gradients in the winter usually result in lower concentrations. The concentrations typically fluctuate within a relatively narrow historical range of values.

An evaluation of the current results indicates that VOC concentrations in three wells, MW-02, -07, and -15 are within historical concentration ranges with results for MW-12 being non-detect for the first time.

At the surface water/spring sample location, the VOC concentrations initially increased after implementation of the RA before stabilizing over the past several years.

Additionally, since the implementation of the RA, no Site-related VOCs have ever been detected in the potable water supplies of the two residences located downgradient of the Site. However, on a few occasions acetone, likely associated with laboratory contamination, has been detected at concentrations less than approximately 20 times lower than the NYSDEC SCG.

2.3 Conclusions

Based on the groundwater monitoring results the RA continues to be effective in reducing VOC concentrations in groundwater, and/or maintaining those concentrations within historical limits, and continues to be protective of human health and the environment.

3.0 IC/EC PLAN COMPLIANCE

3.1 Institutional Controls

A series of Institutional Controls (ICs) in the form of Site restrictions, excavation plans and monitoring plans are required by the SMP to ensure that:

- All Engineering Controls (ECs) are operated and maintained as specified by the SMP;
- All ECs on the Site are inspected and certified at a frequency and in a manner defined in the SMP;
- Groundwater, soil vapor, and other environmental or public health monitoring are performed as defined in the SMP;
- Data and information pertinent to Site Management for the Controlled Property (Property) are reported at the frequency and in a manner defined in the SMP;
- On-site environmental monitoring devices, including but not limited to, groundwater monitoring wells and soil vapor probes, are maintained as necessary to ensure continued functioning in the manner specified in the SMP.

In addition, the Declaration of Covenants and Restrictions places certain restrictions on the property:

- Vegetable gardens and farming on the Property are prohibited;
- Use of groundwater underlying the Property is prohibited without treatment rendering it safe for the intended use or as otherwise approved by the relevant agency;
- All future activities on the property that would disturb remaining contaminated material must be conducted in accordance with the Excavation Plan included in the SMP;
- The potential for vapor intrusion must be evaluated for any future buildings developed on the Site, and any potential impacts that are identified must be mitigated;
- The Property may be used for restricted commercial/industrial use, provided that the long-term ECs and ICs described in the SMP remain in use.

3.2 Engineering Controls

The Controlled Property has two permeable reactive walls (PRWs) installed at the locations shown on Figure 2. The PRWs were installed to treat groundwater leaving the Site. A description of these PRWs is provided below:

North Permeable Reactive Wall

In accordance with the Remedial Design/ Remedial Action (RD/RA) Work Plan, a 170-foot long permeable reactive wall (PRW) was installed in the southeast corner of the Site. The PRW extends from about 25 feet southwest of MW-15 east to MW-14, parallel to Wethersfield Road. The trench is approximately 2 feet wide and 10 feet deep and is backfilled from 10 feet to within

about 1 foot of the ground surface with a mixture of zero valent iron (ZVI) and coarse sand. Approximately 100 cubic yards of the ZVI/sand mixture was emplaced (i.e., 9,872 pounds of ZVI).

Initial construction occurred in September/November 2006. The presence of boulders in this area necessitated that the trenches be widened to 2 feet instead of the design-specified 1-foot width. Considering the fixed quantity of ZVI and sand available, it was only possible to fill half as much of the trench as originally planned. As discussed and agreed with the NYSDEC, the ZVI/sand mixture was emplaced in the 7- to 10-foot interval instead of the design-specified 4- to 10-foot interval. At the request of the NYSDEC, the PRW was enhanced in May of 2009. The PRW trench was re-excavated to a depth of 7 feet to expose the top of the ZVI/sand mixture. Additional ZVI/sand mixture was emplaced until the trench was filled to within about 2 feet of the ground surface (i.e., 2 – 10 feet below ground surface (bgs)). The remainder of the trench was backfilled with the excavated soil.

South Permeable Reactive Wall

In accordance with the RD/RA Work Plan, a 69-foot long trench located approximately 50 feet east of MW-13 and oriented perpendicular to Wethersfield Road was excavated to a maximum depth of 10 feet bgs. Bedrock was encountered at a depth of about 4 feet at the northern end of the trench. The depth to bedrock gradually increased to the south, such that the full 10-foot depth could be excavated after approximately the first 40 feet. The trench also was widened to 2 feet due to the presence of large boulders. As agreed with the NYSDEC, a 3-foot thick layer of the ZVI/sand mixture was emplaced above the bedrock in the northern half of the trench. In the remaining portion, the ZVI/sand mixture was emplaced in the 7- to 10-foot interval. A total of 16 cubic yards of the ZVI/sand mixture was emplaced (i.e., 1,688 pounds of ZVI). The excavated soil was placed in lifts about one-foot thick and compacted with the excavator. The backfill was mounded up above the trench, with the excess soil being spread and graded around the trench.

3.3 IC/EC Certification

These IC/ECs are designed to:

- Prevent ingestion/direct contact with contaminated soil;
- Prevent inhalation of, or exposure to, contaminants volatilizing from contaminated soil;
- Prevent ingestion of groundwater with contaminant levels that exceed drinking water standards;
- Prevent contact with, or inhalation of, volatiles from contaminated groundwater;
- Restore groundwater to pre-disposal/pre-release conditions, to the extent practicable;
- Prevent the discharge of contaminants to surface water;
- Prevent contaminated groundwater from migrating off-site; and
- Prevent migration of contaminants that would result in off-site groundwater or surface water contamination.

A visual inspection of the two PRWs is required by the SMP to be conducted during the biennial groundwater monitoring and Site inspection program (see Section 4.1). The PRWs are monitored for signs of seepage, subsidence, surface erosion, and other signs of damage. A complete list of items to be checked appears on the Engineering Control Systems Inspection Form. Damage

observed to the PRWs is to be repaired immediately. The biennial inspection, and any necessary repairs, of the PRWs provide the supporting documentation for the Certification of these ECs.

The PRWs were inspected on June 28, 2019. The inspection consisted of walking the areas of the PRWs and looking for evidence of subsidence, depressions, cracks, soil erosion, and other damage indicators listed on the Inspection Form. The results of the inspections did not reveal any signs of damage to the PRWs. Based on the inspections, the PRWs are believed to be sound and functioning as originally designed and constructed. Copies of the Engineering Control Systems Inspection Form, Site-Wide Inspection Form, and Site Photographs depicting current conditions are provided in Appendix A.

Institutional Controls as required by the Declaration of Covenants and Restrictions remain unchanged as approved by the NYSDEC. In addition, there have not been any changes to the physical condition of the Site, nor to activities at or use of the Site, since the assignable release for the Site was issued by the NYSDEC. A signed Institutional and Engineering Controls Certification Form is provided in Appendix B.

4.0 MONITORING PLAN COMPLIANCE

4.1 Monitoring Program

A monitoring program is provided in the SMP to assess the performance of the remedy and overall reduction in contamination on-site and off-site and is specified to be conducted for two years following issuance of the 'release and covenant not to sue' by the NYSDEC for the Site. The monitoring program originally consisted of the following media sampling and frequency:

- Annual groundwater sampling from monitoring wells MW-02, MW-07, MW-12, MW-14 and MW-15. Sampling was to be conducted in the spring (i.e., April/May) one year and the summer (July/August) the following year.
- Semi-annual sampling of the potable water supply wells for the Becker and Schell residences and the surface water/spring location.
- Samples were to be analyzed for VOCs using Method SW8260B for groundwater samples and Method E502.2 for potable water.

In the 2015 PRR, the following changes to the monitoring program were recommended:

- Groundwater monitoring would be conducted biennially in the four on-site monitoring wells that have continued to show detectable levels of VOCs (i.e., MW-02, -07, -12, and -15). Monitoring of MW-14, which has never shown any detectable levels of Site-related VOCs would be discontinued. The sampling would alternate from the spring (i.e., April/May) to the summer (i.e., July/August) during consecutive events.
- Monitoring of the potable water supplies for both the Becker and Schell residences and the surface water/spring location would be conducted annually. The sampling would alternate from the spring (i.e., April/May) one year to the summer (i.e., July/August) the following year.

In a letter dated January 21, 2016 (Appendix C), the NYSDEC agreed with these recommendations.

During the current reporting period, biennial sampling for VOCs of monitoring wells MW-02, MW-07, MW-12, and MW-15 (Figure 2) was performed on May 1, 2019. Prior to sampling, a round of water levels was obtained from these four wells.

Samples from both the Becker and Schell residential water supplies were collected during this reporting period. The sampling locations are shown on Figure 2. The sampling was conducted on July 31, 2018 and May 1, 2019, concurrent with the biennial monitoring well sampling event. Sampling from the spring located on the south side of Wethersfield Road was attempted on July 31, 2018, but the spring was submerged due to high water levels and a representative sample could not be collected. The spring was successfully sampled on May 1, 2019.

Copies of the Low Flow Groundwater Sampling Logs are provided in Appendix D. Copies of the Residential Tap Water Sampling Logs are provided in Appendix E and copies of the Surface Water Sampling Logs are provided in Appendix F. A summary of the groundwater level measurements collected on May 1, 2019 is presented in Table 3 and plotted on Figure 3.

Analytical data for all sampling conducted to date are tabulated in Tables 1 and 2. However, since the analytical data associated with the sampling events conducted between January 2007 and August 2015 has previously been submitted electronically to NYSDEC, only the analytical data reports for events conducted during the current reporting period are presented in Appendix G.

4.2 Sampling Results

The surface water and groundwater analytical results were compared to the following SCGs for VOCs:

Volatile Compounds	**SCG (µg/L)***	**Volatile Compounds**	**SCG (µg/L)***
1,1-Dichloroethane (1,1-DCA)	5	Tetrachloroethene (PCE)	5
1,1-Dichloroethene (1,1-DCE)	5	Trichloroethene (TCE)	5
1,2-Dichloroethene (1,2-DCE)	5	Vinyl Chloride (VC)	5
1,1,1-Trichloroethane (1,1,1-TCA)	5	Acetone	50
Methylene Chloride (MC)	5	Chloroethane	5
2 – Butanone (MEK)	50	Total VOCs	NS

* µg/L = micrograms per liter. NS =not specified

The results of this comparison indicated the following:

- Groundwater flow directions have remained unchanged, with flow being from west to east across the Site. During the May 2019 sampling event, water levels were only measured in the four wells that were sampled. Therefore, the estimated groundwater flow direction calculated from these four water levels was from northwest to southeast (Figure 3).
- Potable groundwater quality for both the Becker and Schell residences has remained unchanged. There were no detectable concentrations of VOCs, with the exception of acetone, in the samples collected from the tap at either residence during this reporting period. Acetone, a common laboratory contaminant, was detected at concentrations ranging from 1.1 to 1.7 ug/L, less than 29 times the SCG of 50 ug/L.
- Total VOC concentrations in MW-02 increased during this reporting period when compared to the June 2017 results, but were within the historical range of values. Additionally, current VOC concentrations in MW-02 are very similar to the those from May 2014.
- Site-related VOCs were all non-detect in MW-12 for the first time since sampling has been performed.
- Total VOC concentrations in MW-07 and MW-15 decreased during this reporting period and are at the lowest ever observed in MW-07 and the lowest observed in the past 10 years in MW-15.
- The total VOC concentrations in the samples collected from the surface water/spring location have historically fluctuated somewhat from event to event, but overall have remained consistent, and within a very narrow range of values. The results during this reporting period were no exception.

4.3 Monitoring Well Maintenance

The results of the Site-wide facility inspection conducted on June 28, 2019, noted that the 3-inch polyvinyl chloride (PVC) protective outer well casing of well MW-18 was damaged above grade and the 3-inch outer aluminum well cap was missing. The inner 1-inch PVC casing was intact. Well MW-18 is not actively sampled as part of this monitoring program. The 3-inch outer PVC well casing will be repaired and the cap replaced during the next Site visit.

4.4 Conclusions

Based on the groundwater monitoring results, the RA appears to continue to be effective in reducing VOC concentrations in groundwater, and/or maintaining those concentrations within historical limits, and continues to be protective of human health and the environment. Additionally, the PRWs are functioning as designed and off-site contamination has not increased.

5.0 O&M PLAN COMPLIANCE

5.1 O&M Program

The Site remedy does not rely on any mechanical systems to protect public health and the environment. Therefore, the operation and maintenance of such components is not required. However, since the Site remedy does rely on the integrity of the PRWs to protect public health and the environment, maintenance of the PRWs is required.

5.2 O&M Performed

Based on the annual inspections of the PRWs, no repairs have been necessary.

5.3 Conclusions and Recommendations

The PRWs should be effective and continue to perform as designed/expected. No changes are recommended at this time.

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 Compliance with SMP

All the requirements of the SMP for the IC/ECs, the Monitoring Plan and the O&M Plan were met during this reporting period.

6.2 Performance and Effectiveness

Based on the groundwater monitoring results, the remedial program at the Site has been effective in reducing impacts to groundwater associated with the Site. It is anticipated that VOC concentrations will continue to decline over time, and that the remedy should ultimately achieve the RAOs for the Site.

6.3 Future Submittals

- The next PRR will be submitted by October 5, 2021.
- Site monitoring will continue in accordance with the currently approved program.

TABLES

Table 1
Historical Analytical Results
Groundwater
Wyoming County Fire Training Center

Monitoring Well MW-02

Volatile Compounds	Units	Jun-04	Jan-07	Apr-07	Jul-07	Oct-07	Jan-08	Apr-08	Jul-08	Oct-08	Feb-09	Apr-09	Jul-09	Oct-09	Jan-10	May-10	Jul-11	May-12	Jul-13	May-14	Jul-15	Jun-17	May-19
1,1,1-Trichloroethane	UG/L	9 J	U	NS	12	NS	U	NS	U	NS	U	NS	U	NS	11	5.7	8.9	4.2	U	U	U	U	U
Toluene	UG/L	U	U	NS	U	NS	U	NS	U	NS	U	NS	7	NS	U	U	U	U	U	U	U	U	U
Tetrachloroethene	UG/L	15	U	NS	60	NS	16	NS	16	NS	11	NS	25	NS	51	26	50	22	18	34	17	79	230
Trichloroethene	UG/L	2 J	79	NS	150	NS	43	NS	49	NS	26	NS	39	NS	18	38	140 D	120	110	440	110	240	360
1,1-Dichloroethane	UG/L	2 J	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	U	2.7	1.2	U	U	U	U	U
1,1-Dichloroethene	UG/L	U	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	U	U	U	U	U	U	U	U
1,2-Dichloroethene (total)	UG/L	23	400	NS	450 E	NS	67	NS	56	NS	55	NS	63	NS	42	57	243 D	192.5 D	260	660	290	290	410 F1
Vinyl Chloride	UG/L	3 J	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	U	9.8	1.6	U	U	U	U	U
Methylene Chloride	UG/L	U	U	NS	U	NS	U	NS	U	NS	U	NS	U	NS	U	U	U	U	U	U	U	6.0 J	U
Total VOCs	UG/L	54	479	NS	672	NS	126	NS	121	NS	92	NS	134	NS	122	126.7	454.4	341.5	388	1134	417	615	1,000

Monitoring Well MW-07

Volatile Compounds	Units	Jun-04	Feb-05	Jan-07	Apr-07	Jul-07	Jan-08	Apr-08	Jul-08	Oct-08	Feb-09	Apr-09	Jul-09	Oct-09	Jan-10	May-10	Jul-11	May-12	Jul-13	May-14	Jul-15	Jun-17	May-19
Benzene	UG/L	U	U	U	NS	U	U	NS	U	NS	U	NS	U	NS	U	U	0.99 J	0.80 J	U	U	U	U	U
1,1,2-trichloro-1,2,2-trifluoroethane	UG/L	U	U	U	NS	U	U	NS	U	NS	U	NS	U	NS	U	U	1.9	1.6	U	U	1.0 J	1.8	1.2
1,1,1-Trichloroethane	UG/L	1,300 D	1000	380	NS	220	63	NS	210	NS	20	NS	120	NS	66	56	64	85	110	36	44 J	110	30
Toluene	UG/L	U	U	U	NS	U	U	NS	U	NS	U	NS	U	NS	U	U	U	U	U	U	U	U	U
Tetrachloroethene	UG/L	1,800 D	2,200E	1,500	NS	1,500	350	NS	1200	NS	180	NS	830	NS	570	440	450 D	290	270	85	140 J	140	65
Trichloroethene	UG/L	49	65 J	U	NS	U	U	NS	62	NS	U	NS	48	NS	U	16	20	78	93	30	28	23	5.0
1,1-Dichloroethane	UG/L	69	66 J	U	NS	U	U	NS	U	NS	U	NS	26	NS	U	14	17	14	15	4.6	5.5	13	3.6
1,1-Dichloroethene	UG/L	14	U	U	NS	U	U	NS	U	NS	U	NS	U	NS	U	U	2.6	1.9	17	U	1.4 J	3.8	0.50 J
1,2-Dichloroethene (total)	UG/L	730 D	1,100	350	NS	250	99	NS	U	NS	21	NS	130	NS	60	57	67	110 D	120	37	30	210 D	17
Chloroethane	UG/L	23 J	U	U	NS	U	U	NS	U	NS	U	NS	U	NS	U	U	0.80 J	U	U	U	U	U	U
Methylene Chloride	UG/L	U	U	U	NS	U	110	NS	U	NS	26	NS	U	NS	U	U	U	U	U	U	U	1.5 J	U
Vinyl chloride	UG/L	U	U	U	NS	U	U	NS	U	NS	U	NS	U	NS	U	U	5.9	2.6	U	U	U	2.0	U
Total VOCs	UG/L	3,985	3,531	2,230	NS	1,970	622	NS	1,472	NS	247	NS	1,154	NS	696	583	630.19	583.9	625	192.6	249.9	505.1	122.3

Notes:
VOC analysis by EPA Method 8260
UG/L = micrograms per liter
U = not detected above the quantitation limit
D = Result from a sample dilution
NS = Not sampled
J = Analyte detected above method detection limit but below quantitation limits
E = Value above quantitation range
F1 = MS and/or MSD Recovery is outside acceptance limits.

Table 1
Historical Analytical Results
Groundwater
Wyoming County Fire Training Center

Monitoring Well MW-12

Volatile Compounds	Units	Jun-04	Feb-05	Jan-07	Apr-07	Jul-07	Jan-08	Apr-08	Jul-08	Oct-08	Feb-09	Apr-09	Jul-09	Oct-09	Jan-10	May-10	Jul-11	May-12	Jul-13	May-14	Jul-15	Jun-17	May-19
1,1,1-Trichloroethane	UG/L	31	34	24	NS	38	10	NS	19	NS	10	NS	26	NS	7.5	30	41	17	22	1.1	1.9	36	U
Toluene	UG/L	U	95	U	NS	U	U	NS	U	NS	U	NS	U	NS	U	U	U	U	U	U	U	U	U
Tetrachloroethene	UG/L	8 J	U	U	NS	12	U	NS	8.7	NS	U	NS	16	NS	U	12	17	11	11	1.2	1.6	17	U
Trichloroethene	UG/L	U	U	U	NS	U	U	NS	U	NS	U	NS	U	NS	U	U	2.8	1.8	2.3	U	U	4.6	U
1,1-Dichloroethane	UG/L	4 J	U	U	NS	5.3	U	NS	U	NS	U	NS	U	NS	U	U	4.6	2.2	2.3	U	U	3.7	U
1,1-Dichloroethene	UG/L	U	U	U	NS	U	U	NS	U	NS	U	NS	U	NS	U	U	1.7	1.8	3.7	U	U	4.4	U
1,2-Dichloroethene (total)	UG/L	20	18	15	NS	33	12	NS	19	NS	7.5	NS	20	NS	6	25	38	20	23	0.96	1.9	39	U
Chloroethane	UG/L	U	U	U	NS	U	U	NS	U	NS	U	NS	U	NS	U	U	0.46 J	U	U	U	U	U	U
Vinyl Chloride	UG/L	U	U	U	NS	U	U	NS	U	NS	U	NS	U	NS	U	U	U	U	U	U	U	U	U
Total VOCs	UG/L	63	61	39	NS	88.3	22	NS	46.7	NS	17.5	NS	62	NS	13.5	67	105.56	53.8	64.3	3.26	5.4	104.7	0.0

Monitoring Well MW-15

Volatile Compounds	Units	Jun-04	Feb-05	Jan-07	Apr-07	Jul-07	Jan-08	Apr-08	Jul-08	Oct-08	Feb-09	Apr-09	Jul-09	Oct-09	Jan-10	May-10	Jul-11	May-12	Jul-13	May-14	Jul-15	Jun-17	May-19
1,1,1-Trichloroethane	UG/L	210 D	150	420 E	NS	280	300	NS	270	NS	7.2	NS	240	NS	210	180	190	100 D	120	70	86	79	43
Toluene	UG/L	U	U	U	NS	U	U	NS	U	NS	U	NS	U	NS	U	U	U	U	U	U	U	U	U
Tetrachloroethene	UG/L	100	84	170	NS	180	200	NS	220	NS	12	NS	240	NS	260	250	280 D	260 D	230	130	190	170	97
Trichloroethene	UG/L	7 J	6 J	13	NS	U	U	NS	11	NS	U	NS	12	NS	11	11	12	10	10	6.2	9.9	10	5.3
1,1-Dichloroethane	UG/L	22	17	42	NS	36	33	NS	30	NS	U	NS	29	NS	19	18	15	14	14	7.6	9.8	10	4.5
1,1-Dichloroethene	UG/L	2 J	U	11	NS	U	U	NS	U	NS	U	NS	U	NS	U	U	5	2	19	47	U	0.87 J	U
1,2-Dichloroethene (total)	UG/L	150	93	410 E	NS	310	280	NS	240	NS	U	NS	U	NS	140	130	110 D	82	85	U	63	60	29
Chloroethane	UG/L	7 J	U	U	NS	U	U	NS	U	NS	U	NS	U	NS	U	U	0.93 J	U	U	U	U	U	U
Methylene Chloride	UG/L	U	U	U	NS	U	40	NS	U	NS	5.2	NS	U	NS	U	U	U	U	U	1.0 J	0.99 J	1.3 J	U
Total VOCs	UG/L	498	350	1066	NS	806	853	NS	771	NS	24.4	NS	521	NS	640	589	612.93	468	478	261.8	359.7	331.2	178.8

Notes:

VOC analysis by EPA Method 8260

UG/L = micrograms per liter

U = not detected above the quantitation limit

D = Result from a sample dilution

NS = Not sampled

J = Analyte detected above method detection limit but below quantitation limits

E = Value above quantitation range

F1 = MS and/or MSD Recovery is outside acceptance limits.

Table 1
Historical Analytical Results
Surface Water
Wyoming County Fire Training Center

Spring

Volatile Compounds	Units	Nov-03	Jan-07	Apr-07	Jul-07	Oct-07	Jan-08	Apr-08	Jul-08	Oct-08	Feb-09 (1)	Apr-09	Jul-09	Oct-09	Jan-10	May-10	Jul-11
1,1,1-Trichloroethane	UG/L	13	U	NS	21	34	54	64	70	54	U	65	88	87	50	68	69
Chloroethane	UG/L	2.7	U	NS	U	U	U	U	U	U	U	U	U	U	U	U	0.61 J
Methyl-tert-Butyl Ether	UG/L	1.5	U	NS	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene	UG/L	9.3	U	NS	U	5.6	13	14	20	16	U	19	31	31	16	24	30
Trichloroethene	UG/L	1.9	U	NS	U	U	U	U	U	U	U	U	U	U	U	U	3.7
1,1-Dichloroethane	UG/L	9	U	NS	U	U	7.8	8.2	9.8	6.3	U	11	13	11	6.2	9.3	8.8
1,1-Dichloroethene	UG/L	3.9	U	NS	U	U	U	U	U	U	U	U	U	U	U	U	4.6
1,2-Dichloroethene (total)	UG/L	39	U	NS	17	25	17	51	59	36	U	54	73	67	37	58	57
Methylene Chloride	UG/L	U	U	NS	U	U	21	U	U	U	U	U	U	U	U	U	U
Total VOCs	UG/L	80.3	U	NS	38	64.6	112.8	137.2	158.8	112.3	U	149	205	196	109.2	159.3	173.71

Volatile Compounds	Units	Jan-12	May-12	Nov-12	May-13	Dec-13 (2)	May-14	Dec-14 (3)	Aug-15	Jul-16	Jun-17	Jul-18 (4)	May-19
1,1,1-Trichloroethane	UG/L	55	60	44	62	NS	62	NS	57	59	52	NS	47
Chloroethane	UG/L	U	U	U	U	NS	U	NS	U	U	U	NS	U
Methyl-tert-Butyl Ether	UG/L	U	U	U	U	NS	U	NS	U	U	U	NS	U
Tetrachloroethene	UG/L	29	35	26	35	NS	34	NS	45	51	41	NS	35
Trichloroethene	UG/L	3.3	3.9	3.2	4.6	NS	4.7	NS	5.3	5.9	6	NS	4.7
1,1-Dichloroethane	UG/L	6.9	7.4	6.4	7.7	NS	6.9	NS	6.4	7.4	6.1	NS	4.6
1,1-Dichloroethene	UG/L	2.3	1.6	1	1.2	NS	1.3	NS	2.4	0.97J	1.7	NS	1.4
1,2-Dichloroethene (total)	UG/L	50	51	45	53	NS	52	NS	54	56	51	NS	42
Methylene Chloride	UG/L	U	U	U	U	NS	U	NS	U	U	U	NS	U
Total VOCs	UG/L	146.5	158.9	125.6	163.5	NS	160.9	NS	170.1	180.27	157.8	NS	134.7

Notes:

Spring VOC analysis by EPA Method 8260

UG/L = micrograms per liter

U = not detected above the quantitation limit

J = analyte detected above method detection limit below quantitation limits

NS = not sampled

(1) Sample was collected 150' downstream of normal sampling location (snow drifts blocked access)

(2) Spring not sampled in December 2013 due to being buried under deep snow.

(3) Spring not sampled in December 2014 due to discharge pipe being submerged in water.

(4) Spring not sampled in July 2018. Discharge pipe could not be found, likely submerged in water.

Table 1
Historical Analytical Results
Potable Well Water
Wyoming County Fire Training Center

Becker Tap Water

Volatile Compounds	Units	Jun-04	Jan-07	Apr-07	Jul-07	Oct-07	Jan-08	Apr-08	Jul-08	Oct-08	Feb-09	Apr-09	Jul-09	Oct-09	Jan-10	May-10	Jul-11
Acetone	UG/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	3 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	UG/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene	UG/L	9 J	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene	UG/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	UG/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	UG/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethene (total)	UG/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Chloride	UG/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs	UG/L	12	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U

Volatile Compounds	Units	Jan-12	May-12	Nov-12	May-13	Dec-13	May-14	Dec-14	Jul-15	Jul-16	Jun-17	Jul-18	May-19
Acetone	UG/L	U	U	U	0.54 J	0.75 J	U	U	0.91 J	U	U	2.4 J	1.1 J
1,1,1-Trichloroethane	UG/L	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	UG/L	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene	UG/L	U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene	UG/L	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	UG/L	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	UG/L	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethene (total)	UG/L	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Chloride	UG/L	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs	UG/L	U	U	U	0.54	0.75	U	U	0.91	U	U	2.4	1.1

Notes:

Becker Tap Water VOC analysis by New York State Department of Health Method 502.2 (through May 2010) and Method 524.2 (beginning July 2011)

UG/L = micrograms per liter

U = not detected above the quantitation limit

J = analyte detected above method detection limit below quantitation limits

Table 1
Historical Analytical Results
Potable Well Water
Wyoming County Fire Training Center

Schell Tap Water

Volatile Compounds	Units	Jun-04	Jan-07	Apr-07	Jul-07	Oct-07	Jan-08	Apr-08	Jul-08	Oct-08	Feb-09	Apr-09	Jul-09	Oct-09	Jan-10	May-10	Jul-11
Acetone	UG/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1,1-Trichloroethane	UG/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	UG/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene	UG/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene	UG/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	UG/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	UG/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethene (total)	UG/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Chloride	UG/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs	UG/L	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U

Volatile Compounds	Units	Jan-12	May-12	Nov-12	May-13	Dec-13	May-14	Dec-14	Jul-15	Jul-16	Jun-17	Jul-18	May-19
Acetone	UG/L	U	U	U	U	0.78 J	U	U	U	U	U	1.4 J	1.7 J
1,1,1-Trichloroethane	UG/L	U	U	U	U	U	U	U	U	U	U	U	U
Toluene	UG/L	U	U	U	U	U	U	U	U	U	U	U	U
Tetrachloroethene	UG/L	U	U	U	U	U	U	U	U	U	U	U	U
Trichloroethene	UG/L	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethane	UG/L	U	U	U	U	U	U	U	U	U	U	U	U
1,1-Dichloroethene	UG/L	U	U	U	U	U	U	U	U	U	U	U	U
1,2-Dichloroethene (total)	UG/L	U	U	U	U	U	U	U	U	U	U	U	U
Vinyl Chloride	UG/L	U	U	U	U	U	U	U	U	U	U	U	U
Total VOCs	UG/L	U	U	U	U	0.78	U	U	U	U	U	1.4	1.7

Notes:

Schell Tap Water VOC analysis by New York State Department of Health Method 502.2 (through May 2010) and Method 524.2 (beginning July 2011)

UG/L = micrograms per liter

U = not detected above the quantitation limit

J = analyte detected above method detection limit but below quantitation limits

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
AGRO-1	978645.9631	592479.2423	2024.22	NA	2024.22	A		0					
MNW							6/4/2004 0000		NM	-	0.00	-	
MNW							6/7/2004 0000		NM	-	0.00	-	
MNW							6/11/2004 0000		10.65	2013.57	0.00	2,013.57	
MNW							6/25/2004 0000		NM	-	0.00	-	
MNW							8/8/2004 0821		11.13	2013.09	0.00	2,013.09	
FRONT POND	978488.451	592264.591	2036.40	NA	2036.40			0					
							6/10/2008 0000		5.99	2030.41	0.00	2,030.41	
							7/10/2008 0000		6.17	2030.23	0.00	2,030.23	
							10/16/2008 0000		6.07	2030.33	0.00	2,030.33	
							2/12/2009 0000		6.07	2030.33	0.00	2,030.33	
							4/9/2009 0000		5.99	2030.41	0.00	2,030.41	
							7/9/2009 0000		6.23	2030.17	0.00	2,030.17	
							10/29/2009 0000		6.18	2030.22	0.00	2,030.22	
							1/21/2010 0000		NM	-	NM	-	Frozen
							5/27/2010 0000		NM	-	NM	-	
MW-02	978931.2427	592314.1629	2023.95	NA	2025.64	A		0					
MNW							6/4/2004 1621		1.06	2022.89	0.00	2,022.89	
MNW							6/7/2004 1150		2.27	2021.68	0.00	2,021.68	
MNW							6/14/2004 0830		2.74	2021.21	0.00	2,021.21	
MNW							6/14/2004 1558		2.82	2021.13	0.00	2,021.13	
MNW							6/25/2004 0839		2.97	2020.98	0.00	2,020.98	
MNW							8/8/2004 0853		2.59	2021.36	0.00	2,021.36	
MNW							2/9/2005 0000		0.97	2022.98	0.00	2,022.98	
MNW							1/11/2007 0000		1.62	2022.33	0.00	2,022.33	
MNW							4/5/2007 0000		1.63	2022.32	0.00	2,022.32	
MNW							7/11/2007 0000		3.27	2020.68	0.00	2,020.68	

NM - No Measurement

Type:
MNW Monitoring Well

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

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MNW							10/11/2007 0000		4.13	2019.82	0.00	2,019.82	
MNW							1/8/2008 0000		1.43	2022.52	0.00	2,022.52	
MNW							4/16/2008 0000		1.75	2022.20	0.00	2,022.20	
MNW							7/10/2008 0000		2.66	2021.29	0.00	2,021.29	
MNW							10/16/2008 0000		2.94	2021.01	0.00	2,021.01	
MNW							2/12/2009 0000		1.15	2022.80	0.00	2,022.80	
MNW							4/9/2009 0000		1.15	2022.80	0.00	2,022.80	
MNW							7/9/2009 0000		2.29	2021.66	0.00	2,021.66	
MNW							10/29/2009 0000		2.15	2021.80	0.00	2,021.80	
MNW							1/21/2010 0000		NM	-	NM	-	
MNW							5/27/2010 0000		2.29	2021.66	0.00	2,021.66	
MNW							7/25/2011 0000		3.19	2020.76	0.00	2,020.76	
MNW							5/31/2012 0000		2.42	2021.53	0.00	2,021.53	
MNW							7/3/2013 0000		2.65	2021.30	0.00	2,021.30	
MNW							5/18/2014 0000		1.42	2022.53	0.00	2,022.53	
MNW							7/15/2015 0000		0.97	2022.98	0.00	2,022.98	
MNW							6/28/2017 0000		2.81	2021.14	0.00	2,021.14	
MNW							5/1/2019 0000		0.86	2023.09	0.00	2,023.09	
MW-03	978828.2168	592202.3606	2032.93	NA	2035.79	A		0					
MNW							11/6/2001 0000		11.98	2020.95	0.00	2,020.95	
MNW							6/4/2004 1618		9.1	2023.83	0.00	2,023.83	
MNW							6/7/2004 1145		9.77	2023.16	0.00	2,023.16	
MNW							6/11/2004 1500		9.92	2023.01	0.00	2,023.01	
MNW							6/14/2004 1556		10.17	2022.76	0.00	2,022.76	
MNW							6/25/2004 0837		10.52	2022.41	0.00	2,022.41	
MNW							8/8/2004 0855		10.11	2022.82	0.00	2,022.82	
MNW							2/9/2005 0000		NM	-	NM	-	Obstruction at 2.85'

NM - No Measurement

Type:
MNW Monitoring Well

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

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MNW							1/11/2007 0000		NM	-	NM	-	Destroyed
MNW							4/5/2007 0000		NM	-	NM	-	DESTROYED
MNW							10/11/2007 0000		NM	-	NM	-	
MNW							1/8/2008 0000		9.39	2023.54	0.00	2,023.54	
MNW							4/16/2008 0000		9.28	2023.65	0.00	2,023.65	
MNW							7/10/2008 0000		10.58	2022.35	0.00	2,022.35	
MNW							10/16/2008 0000		11.17	2021.76	0.00	2,021.76	
MNW							2/12/2009 0000		8.63	2024.30	0.00	2,024.30	
MNW							4/9/2009 0000		8.58	2024.35	0.00	2,024.35	
MNW							7/9/2009 0000		10.01	2022.92	0.00	2,022.92	
MNW							10/29/2009 0000		9.93	2023.00	0.00	2,023.00	
MNW							1/21/2010 0000		9.79	2023.14	0.00	2,023.14	
MNW							5/27/2010 0000		9.61	2023.32	0.00	2,023.32	
MNW							7/25/2011 0000		10.87	2022.06	0.00	2,022.06	
MNW							5/31/2012 0000		9.75	2023.18	0.00	2,023.18	
MNW							7/3/2013 0000		10.07	2022.86	0.00	2,022.86	
MNW							5/18/2014 0000		8.53	2024.40	0.00	2,024.40	
MNW							7/15/2015 0000		8.84	2024.09	0.00	2,024.09	
MNW							6/28/2017 0000		10.46	2022.47	0.00	2,022.47	
MW-04	978686.2916	592234.1593	2034.25	NA	2036.40	A		0					
MNW							11/6/2001 0000		7.78	2026.47	0.00	2,026.47	
MNW							6/4/2004 1615		2.08	2032.17	0.00	2,032.17	
MNW							6/7/2004 1144		3.07	2031.18	0.00	2,031.18	
MNW							6/14/2004 0800		3.83	2030.42	0.00	2,030.42	
MNW							6/14/2004 1554		3.82	2030.43	0.00	2,030.43	
MNW							6/25/2004 0835		4.63	2029.62	0.00	2,029.62	
MNW							8/8/2004 0851		3.93	2030.32	0.00	2,030.32	

NM - No Measurement

Type:
MNW Monitoring Well

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

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MNW							2/9/2005 0000		1.96	2032.29	0.00	2,032.29	
MNW							1/11/2007 0000		1.34	2032.91	0.00	2,032.91	
MNW							4/5/2007 0000		2.03	2032.22	0.00	2,032.22	
MNW							7/11/2007 0000		5.83	2028.42	0.00	2,028.42	
MNW							10/11/2007 0000		8.17	2026.08	0.00	2,026.08	
MNW							1/8/2008 0000		2.01	2032.24	0.00	2,032.24	
MNW							4/16/2008 0000		1.6	2032.65	0.00	2,032.65	
MNW							6/10/2008 0000		4.67	2029.58	0.00	2,029.58	
MNW							7/10/2008 0000		3.66	2030.59	0.00	2,030.59	
MNW							10/16/2008 0000		5.4	2028.85	0.00	2,028.85	
MNW							2/12/2009 0000		1.34	2032.91	0.00	2,032.91	
MNW							4/9/2009 0000		1.16	2033.09	0.00	2,033.09	
MNW							7/9/2009 0000		3.2	2031.05	0.00	2,031.05	
MNW							10/29/2009 0000		4.33	2029.92	0.00	2,029.92	
MNW							1/21/2010 0000		1.59	2032.66	0.00	2,032.66	
MNW							5/27/2010 0000		1.55	2032.70	0.00	2,032.70	
MNW							7/25/2011 0000		4.26	2029.99	0.00	2,029.99	
MNW							5/31/2012 0000		1.4	2032.85	0.00	2,032.85	
MNW							7/3/2013 0000		2.04	2032.21	0.00	2,032.21	
MNW							5/18/2014 0000		-0.37	2034.62	0.00	2,034.62	
MNW							7/15/2015 0000		0.37	2033.88	0.00	2,033.88	
MNW							6/28/2017 0000		2.54	2031.71	0.00	2,031.71	
MW-05	979063.4391	592223.0659	2023.11	NA	2026.00	A		0					
MNW							11/6/2001 0000		2.64	2020.47	0.00	2,020.47	
MNW							6/4/2004 1626		1.98	2021.13	0.00	2,021.13	
MNW							6/7/2004 1148		2.27	2020.84	0.00	2,020.84	
MNW							6/11/2004 1430		2.42	2020.69	0.00	2,020.69	

NM - No Measurement

Type:
MNW Monitoring Well

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

GROUNDWATER LEVEL MEASUREMENTS

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MNW							6/14/2004 1600		2.38	2020.73	0.00	2,020.73	
MNW							6/25/2004 0841		2.53	2020.58	0.00	2,020.58	
MNW							8/8/2004 0853		2.26	2020.85	0.00	2,020.85	
MNW							2/9/2005 0000		1.64	2021.47	0.00	2,021.47	
MNW							1/11/2007 0000		1.82	2021.29	0.00	2,021.29	
MNW							4/5/2007 0000		2.07	2021.04	0.00	2,021.04	
MNW							7/11/2007 0000		2.85	2020.26	0.00	2,020.26	
MNW							10/11/2007 0000		3.4	2019.71	0.00	2,019.71	
MNW							1/8/2008 0000		2.19	2020.92	0.00	2,020.92	
MNW							4/16/2008 0000		1.74	2021.37	0.00	2,021.37	
MNW							7/10/2008 0000		2.24	2020.87	0.00	2,020.87	
MNW							10/16/2008 0000		2.2	2020.91	0.00	2,020.91	
MNW							2/12/2009 0000		1.25	2021.86	0.00	2,021.86	
MNW							4/9/2009 0000		1.27	2021.84	0.00	2,021.84	
MNW							7/9/2009 0000		1.89	2021.22	0.00	2,021.22	
MNW							10/29/2009 0000		1.84	2021.27	0.00	2,021.27	
MNW							1/21/2010 0000		1.99	2021.12	0.00	2,021.12	
MNW							5/27/2010 0000		2	2021.11	0.00	2,021.11	
MNW							7/25/2011 0000		2.7	2020.41	0.00	2,020.41	
MNW							5/31/2012 0000		2.16	2020.95	0.00	2,020.95	
MNW							7/3/2013 0000		2.42	2020.69	0.00	2,020.69	
MNW							5/18/2014 0000		1.79	2021.32	0.00	2,021.32	
MNW							7/15/2015 0000		1.55	2021.56	0.00	2,021.56	
MNW							6/28/2017 0000		2.57	2020.54	0.00	2,020.54	
MW-06	978973.2045	592468.4489	2018.62	NA	2020.28	A		0					
MNW							11/7/2001 0000		3.48	2015.14	0.00	2,015.14	
MNW							6/4/2004 1453		2.69	2015.93	0.00	2,015.93	

NM - No Measurement

Type:
MNW Monitoring Well

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GROUNDWATER LEVEL MEASUREMENTS

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MNW							6/7/2004 1102		3.42	2015.20	0.00	2,015.20	
MNW							6/14/2004 0930		4.37	2014.25	0.00	2,014.25	
MNW							6/14/2004 1511		4.45	2014.17	0.00	2,014.17	
MNW							6/25/2004 0729		4.88	2013.74	0.00	2,013.74	
MNW							8/8/2004 0818		4	2014.62	0.00	2,014.62	
MNW							2/9/2005 0000		0.69	2017.93	0.00	2,017.93	
MNW							1/11/2007 0000		1.79	2016.83	0.00	2,016.83	
MNW							4/5/2007 0000		2.34	2016.28	0.00	2,016.28	
MNW							7/11/2007 0000		5.12	2013.50	0.00	2,013.50	
MNW							10/11/2007 0000		6.07	2012.55	0.00	2,012.55	
MNW							1/8/2008 0000		0.48	2018.14	0.00	2,018.14	
MNW							4/16/2008 0000		0.05	2018.57	0.00	2,018.57	
MNW							7/10/2008 0000		3.49	2015.13	0.00	2,015.13	
MNW							10/16/2008 0000		0.62	2018.00	0.00	2,018.00	
MNW							2/12/2009 0000		0.21	2018.41	0.00	2,018.41	
MNW							4/9/2009 0000		0.13	2018.49	0.00	2,018.49	
MNW							7/9/2009 0000		2.4	2016.22	0.00	2,016.22	
MNW							10/29/2009 0000		1.19	2017.43	0.00	2,017.43	
MNW							1/21/2010 0000		2.64	2015.98	0.00	2,015.98	
MNW							5/27/2010 0000		2.16	2016.46	0.00	2,016.46	
MNW							7/25/2011 0000		5.47	2013.15	0.00	2,013.15	
MNW							5/31/2012 0000		3.33	2015.29	0.00	2,015.29	
MNW							7/3/2013 0000		3.92	2014.70	0.00	2,014.70	
MNW							5/18/2014 0000		1.79	2016.83	0.00	2,016.83	
MNW							7/15/2015 0000		1.86	2016.76	0.00	2,016.76	
MNW							6/28/2017 0000		5.1	2013.52	0.00	2,013.52	

NM - No Measurement

Type:
MNW Monitoring Well

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GROUNDWATER LEVEL MEASUREMENTS

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MW-07	978803.3993	592454.4238	2024.24	NA	2026.14	A		0					
MNW							11/7/2001 0000		3.68	2020.56	0.00	2,020.56	
MNW							6/4/2004 1459		2.37	2021.87	0.00	2,021.87	
MNW							6/7/2004 1104		2.78	2021.46	0.00	2,021.46	
MNW							6/14/2004 1100		3.08	2021.16	0.00	2,021.16	
MNW							6/14/2004 1512		3.08	2021.16	0.00	2,021.16	
MNW							6/25/2004 0732		3.32	2020.92	0.00	2,020.92	
MNW							8/8/2004 0820		3.02	2021.22	0.00	2,021.22	
MNW							2/9/2005 0000		2.17	2022.07	0.00	2,022.07	
MNW							1/11/2007 0000		1.79	2022.45	0.00	2,022.45	
MNW							4/5/2007 0000		2.23	2022.01	0.00	2,022.01	
MNW							7/11/2007 0000		3.59	2020.65	0.00	2,020.65	
MNW							10/11/2007 0000		4.24	2020.00	0.00	2,020.00	
MNW							1/8/2008 0000		1.08	2023.16	0.00	2,023.16	
MNW							4/16/2008 0000		1.5	2022.74	0.00	2,022.74	
MNW							7/10/2008 0000		2.24	2022.00	0.00	2,022.00	
MNW							10/16/2008 0000		2.69	2021.55	0.00	2,021.55	
MNW							2/12/2009 0000		0.21	2024.03	0.00	2,024.03	
MNW							4/9/2009 0000		0.91	2023.33	0.00	2,023.33	
MNW							7/9/2009 0000		1.92	2022.32	0.00	2,022.32	
MNW							10/29/2009 0000		1.69	2022.55	0.00	2,022.55	
MNW							1/21/2010 0000		4.77	2019.47	0.00	2,019.47	
MNW							5/27/2010 0000		4.4	2019.84	0.00	2,019.84	
MNW							7/25/2011 0000		5.45	2018.79	0.00	2,018.79	
MNW							5/31/2012 0000		5.77	2018.47	0.00	2,018.47	
MNW							7/3/2013 0000		5.15	2019.09	0.00	2,019.09	
MNW							5/18/2014 0000		3.6	2020.64	0.00	2,020.64	
MNW							7/15/2015 0000		3.74	2020.50	0.00	2,020.50	

NM - No Measurement

Type:
MNW Monitoring Well

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GROUNDWATER LEVEL MEASUREMENTS

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MNW							6/28/2017 0000		5.27	2018.97	0.00	2,018.97	
MNW							5/1/2019 0000		3.71	2020.53	0.00	2,020.53	
MW-08	978912.8311	592533.1998	2017.14	NA	2018.28	A		0					
MNW							11/7/2001 0000		4.56	2012.58	0.00	2,012.58	
MNW							6/4/2004 1455		3.23	2013.91	0.00	2,013.91	
MNW							6/7/2004 1105		3.84	2013.30	0.00	2,013.30	
MNW							6/14/2004 1015		4.51	2012.63	0.00	2,012.63	
MNW							6/14/2004 1509		4.52	2012.62	0.00	2,012.62	
MNW							6/25/2004 0731		5.76	2011.38	0.00	2,011.38	
MNW							8/8/2004 0816		4.33	2012.81	0.00	2,012.81	
MNW							2/9/2005 0000		2.48	2014.66	0.00	2,014.66	
MNW							1/11/2007 0000		NM	-	NM	-	
MNW							4/5/2007 0000		2.87	2014.27	0.00	2,014.27	
MNW							7/11/2007 0000		5.62	2011.52	0.00	2,011.52	
MNW							10/11/2007 0000		7.45	2009.69	0.00	2,009.69	
MNW							1/8/2008 0000		1.04	2016.10	0.00	2,016.10	
MNW							4/16/2008 0000		2.55	2014.59	0.00	2,014.59	
MNW							7/10/2008 0000		4.2	2012.94	0.00	2,012.94	
MNW							10/16/2008 0000		4.39	2012.75	0.00	2,012.75	
MNW							2/12/2009 0000		NM	-	NM	-	Snow Covered
MNW							4/9/2009 0000		2.4	2014.74	0.00	2,014.74	
MNW							7/9/2009 0000		3.69	2013.45	0.00	2,013.45	
MNW							10/29/2009 0000		3.03	2014.11	0.00	2,014.11	
MNW							1/21/2010 0000		3.87	2013.27	0.00	2,013.27	
MNW							5/27/2010 0000		3.81	2013.33	0.00	2,013.33	
MNW							7/25/2011 0000		6.16	2010.98	0.00	2,010.98	
MNW							5/31/2012 0000		3.69	2013.45	0.00	2,013.45	

NM - No Measurement

Type:
MNW Monitoring Well

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TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MNW							7/3/2013 0000		4.07	2013.07	0.00	2,013.07	
MNW							5/18/2014 0000		2.71	2014.43	0.00	2,014.43	
MNW							7/15/2015 0000		2.86	2014.28	0.00	2,014.28	
MNW							6/28/2017 0000		4.84	2012.30	0.00	2,012.30	
MW-10	978535.9216	592744.4241	2006.26	NA	2007.95	A		0					
MNW							6/4/2004 1547		1.13	2005.13	0.00	2,005.13	
MNW							6/7/2004 1154		2.11	2004.15	0.00	2,004.15	
MNW							6/14/2004 1145		3.5	2002.76	0.00	2,002.76	
MNW							6/14/2004 1521		4.96	2001.30	0.00	2,001.30	
MNW							6/25/2004 0807		4.55	2001.71	0.00	2,001.71	
MNW							8/8/2004 0832		2.82	2003.44	0.00	2,003.44	
MNW							2/9/2005 0000		0.03	2006.23	0.00	2,006.23	
MNW							1/11/2007 0000		-0.02	2006.28	0.00	2,006.28	
MNW							4/5/2007 0000		0.53	2005.73	0.00	2,005.73	
MNW							7/11/2007 0000		6.4	1999.86	0.00	1,999.86	
MNW							10/11/2007 0000		9.25	1997.01	0.00	1,997.01	
MNW							1/8/2008 0000		0.92	2005.34	0.00	2,005.34	
MNW							4/16/2008 0000		0.7	2005.56	0.00	2,005.56	
MNW							6/10/2008 0000		5.42	2000.84	0.00	2,000.84	
MNW							7/10/2008 0000		3.82	2002.44	0.00	2,002.44	
MNW							9/11/2008 0000		5.74	2000.52	0.00	2,000.52	
MNW							10/16/2008 0000		5.69	2000.57	0.00	2,000.57	
MNW							11/25/2008 0000		1.14	2005.12	0.00	2,005.12	
MNW							2/12/2009 0000		0.19	2006.07	0.00	2,006.07	
MNW							4/9/2009 0000		0.18	2006.08	0.00	2,006.08	
MNW							7/9/2009 0000		3.09	2003.17	0.00	2,003.17	
MNW							10/29/2009 0000		1.4	2004.86	0.00	2,004.86	

NM - No Measurement

Type:
MNW Monitoring Well

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GROUNDWATER LEVEL MEASUREMENTS

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MNW							1/21/2010 0000		0.76	2005.50	0.00	2,005.50	
MNW							5/27/2010 0000		3.17	2003.09	0.00	2,003.09	
MNW							7/25/2011 0000		6.33	1999.93	0.00	1,999.93	
MNW							5/31/2012 0000		1.88	2004.38	0.00	2,004.38	
MNW							7/3/2013 0000		4.3	2001.96	0.00	2,001.96	
MNW							5/18/2014 0000		0.79	2005.47	0.00	2,005.47	
MNW							7/15/2015 0000		1.83	2004.43	0.00	2,004.43	
MNW							6/28/2017 0000		5.6	2000.66	0.00	2,000.66	
MW-11	978340.5964	592466.9970	2024.01	2027.08	2026.92	A		0					
MNW							6/4/2004 1559		0.6	2023.41	0.00	2,023.41	
MNW							6/7/2004 1132		1.18	2022.83	0.00	2,022.83	
MNW							6/10/2004 1000		1.74	2022.27	0.00	2,022.27	
MNW							6/14/2004 1529		2.21	2021.80	0.00	2,021.80	
MNW							6/25/2004 0820		2.77	2021.24	0.00	2,021.24	
MNW							8/8/2004 0840		1.73	2022.28	0.00	2,022.28	
MNW							2/9/2005 0000		0.16	2023.85	0.00	2,023.85	
MNW							1/11/2007 0000		0.26	2023.75	0.00	2,023.75	
MNW							4/5/2007 0000		0.41	2023.60	0.00	2,023.60	
MNW							7/11/2007 0000		3.35	2020.66	0.00	2,020.66	
MNW							10/11/2007 0000		6.38	2017.63	0.00	2,017.63	
MNW							1/8/2008 0000		0.71	2023.30	0.00	2,023.30	
MNW							4/16/2008 0000		0.92	2023.09	0.00	2,023.09	
MNW							6/10/2008 0000		3.04	2020.97	0.00	2,020.97	
MNW							7/10/2008 0000		1.78	2022.23	0.00	2,022.23	
MNW							9/11/2008 0000		3.38	2020.63	0.00	2,020.63	
MNW							10/16/2008 0000		1.39	2022.62	0.00	2,022.62	
MNW							11/25/2008 0000		0.76	2023.25	0.00	2,023.25	

NM - No Measurement

Type:
MNW Monitoring Well

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TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MNW							2/12/2009 0000		0.02	2023.99	0.00	2,023.99	
MNW							4/9/2009 0000		0.38	2023.63	0.00	2,023.63	
MNW							7/9/2009 0000		1.47	2022.54	0.00	2,022.54	
MNW							10/29/2009 0000		0.51	2023.50	0.00	2,023.50	
MNW							1/21/2010 0000		0.89	2023.12	0.00	2,023.12	
MNW							5/27/2010 0000		1.75	2022.26	0.00	2,022.26	
MNW							7/25/2011 0000		3.84	2020.17	0.00	2,020.17	
MNW							5/31/2012 0000		0.87	2023.14	0.00	2,023.14	
MNW							7/3/2013 0000		0.99	2023.02	0.00	2,023.02	
MNW							5/18/2014 0000		5.09	2018.92	0.00	2,018.92	
MNW							7/15/2015 0000		0.02	2023.99	0.00	2,023.99	
MNW							6/28/2017 0000		2.67	2021.34	0.00	2,021.34	
MW-12	978338.5912	592597.3441	2015.67	2018.84	2018.68	A		0					
MNW							6/4/2004 1602		3.85	2011.82	0.00	2,011.82	
MNW							6/7/2004 1134		5	2010.67	0.00	2,010.67	
MNW							6/10/2004 0900		5.26	2010.41	0.00	2,010.41	
MNW							6/14/2004 1543		5.83	2009.84	0.00	2,009.84	
MNW							6/25/2004 0816		6.3	2009.37	0.00	2,009.37	
MNW							8/8/2004 0842		5.96	2009.71	0.00	2,009.71	
MNW							2/9/2005 0000		3.74	2011.93	0.00	2,011.93	
MNW							1/11/2007 0000		4.5	2011.17	0.00	2,011.17	
MNW							4/5/2007 0000		4.08	2011.59	0.00	2,011.59	
MNW							7/11/2007 0000		6.93	2008.74	0.00	2,008.74	
MNW							10/11/2007 0000		8.57	2007.10	0.00	2,007.10	
MNW							1/8/2008 0000		3.89	2011.78	0.00	2,011.78	
MNW							4/16/2008 0000		4.27	2011.40	0.00	2,011.40	
MNW							6/10/2008 0000		6.56	2009.11	0.00	2,009.11	

NM - No Measurement

Type:
MNW Monitoring Well

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TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MNW							7/10/2008 0000		6.24	2009.43	0.00	2,009.43	
MNW							9/11/2008 0000		6.95	2008.72	0.00	2,008.72	
MNW							10/16/2008 0000		6.53	2009.14	0.00	2,009.14	
MNW							11/25/2008 0000		5.44	2010.23	0.00	2,010.23	
MNW							2/12/2009 0000		3.27	2012.40	0.00	2,012.40	
MNW							4/9/2009 0000		3.79	2011.88	0.00	2,011.88	
MNW							7/9/2009 0000		5.95	2009.72	0.00	2,009.72	
MNW							10/29/2009 0000		5.57	2010.10	0.00	2,010.10	
MNW							1/21/2010 0000		5.51	2010.16	0.00	2,010.16	
MNW							5/27/2010 0000		5.6	2010.07	0.00	2,010.07	
MNW							7/25/2011 0000		7.23	2008.44	0.00	2,008.44	
MNW							5/31/2012 0000		5.78	2009.89	0.00	2,009.89	
MNW							7/3/2013 0000		6.01	2009.66	0.00	2,009.66	
MNW							5/18/2014 0000		4.71	2010.96	0.00	2,010.96	
MNW							7/15/2015 0000		4.91	2010.76	0.00	2,010.76	
MNW							6/28/2017 0000		6.81	2008.86	0.00	2,008.86	
MNW							5/1/2019 0000		4.73	2010.94	0.00	2,010.94	
MW-13	978334.5807	592741.7286	2007.13	2010.23	2010.06	A		0					
MNW							6/4/2004 1604		3.64	2003.49	0.00	2,003.49	
MNW							6/7/2004 1136		3.83	2003.30	0.00	2,003.30	
MNW							6/9/2004 0800		3.82	2003.31	0.00	2,003.31	
MNW							6/14/2004 1545		4.17	2002.96	0.00	2,002.96	
MNW							6/25/2004 0812		4.39	2002.74	0.00	2,002.74	
MNW							8/8/2004 0846		4.05	2003.08	0.00	2,003.08	
MNW							2/9/2005 0000		1.99	2005.14	0.00	2,005.14	
MNW							1/11/2007 0000		1.45	2005.68	0.00	2,005.68	
MNW							4/5/2007 0000		2.41	2004.72	0.00	2,004.72	

NM - No Measurement

Type:
MNW Monitoring Well

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TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MNW							7/11/2007 0000		4.75	2002.38	0.00	2,002.38	
MNW							10/11/2007 0000		5.68	2001.45	0.00	2,001.45	
MNW							1/8/2008 0000		0.46	2006.67	0.00	2,006.67	
MNW							4/16/2008 0000		3.32	2003.81	0.00	2,003.81	
MNW							6/10/2008 0000		5.06	2002.07	0.00	2,002.07	
MNW							7/10/2008 0000		4.68	2002.45	0.00	2,002.45	
MNW							9/11/2008 0000		4.88	2002.25	0.00	2,002.25	
MNW							10/16/2008 0000		1.1	2006.03	0.00	2,006.03	
MNW							11/25/2008 0000		3.62	2003.51	0.00	2,003.51	
MNW							2/12/2009 0000		0.39	2006.74	0.00	2,006.74	
MNW							4/9/2009 0000		0.7	2006.43	0.00	2,006.43	
MNW							7/9/2009 0000		4.32	2002.81	0.00	2,002.81	
MNW							10/29/2009 0000		6.05	2001.08	0.00	2,001.08	
MNW							1/21/2010 0000		3.29	2003.84	0.00	2,003.84	
MNW							5/27/2010 0000		4.7	2002.43	0.00	2,002.43	
MNW							7/25/2011 0000		5.53	2001.60	0.00	2,001.60	
MNW							5/31/2012 0000		2.85	2004.28	0.00	2,004.28	
MNW							7/3/2013 0000		4.82	2002.31	0.00	2,002.31	
MNW							5/18/2014 0000		2.18	2004.95	0.00	2,004.95	
MNW							7/15/2015 0000		1.58	2005.55	0.00	2,005.55	
MNW							6/28/2017 0000		5.1	2002.03	0.00	2,002.03	
MW-14	978464.9225	592765.7927	2005.22	2008.34	2008.16	A		0					
MNW							6/4/2004 1550		1.87	2003.35	0.00	2,003.35	
MNW							6/7/2004 1117		2.5	2002.72	0.00	2,002.72	
MNW							6/10/2004 0950		2.91	2002.31	0.00	2,002.31	
MNW							6/14/2004 1523		3.86	2001.36	0.00	2,001.36	
MNW							6/25/2004 0804		5.29	1999.93	0.00	1,999.93	

NM - No Measurement

Type:
MNW Monitoring Well

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TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MNW							8/8/2004 0834		3.28	2001.94	0.00	2,001.94	
MNW							2/9/2005 0000		0.41	2004.81	0.00	2,004.81	
MNW							1/11/2007 0000		0.5	2004.72	0.00	2,004.72	
MNW							4/5/2007 0000		1.17	2004.05	0.00	2,004.05	
MNW							7/11/2007 0000		4.02	2001.20	0.00	2,001.20	
MNW							10/11/2007 0000		6.89	1998.33	0.00	1,998.33	
MNW							1/8/2008 0000		0.87	2004.35	0.00	2,004.35	
MNW							4/16/2008 0000		1.78	2003.44	0.00	2,003.44	
MNW							6/10/2008 0000		3.77	2001.45	0.00	2,001.45	
MNW							7/10/2008 0000		3.36	2001.86	0.00	2,001.86	
MNW							9/11/2008 0000		3.78	2001.44	0.00	2,001.44	
MNW							10/16/2008 0000		4.22	2001.00	0.00	2,001.00	
MNW							11/25/2008 0000		2.3	2002.92	0.00	2,002.92	
MNW							2/12/2009 0000		0.27	2004.95	0.00	2,004.95	
MNW							4/9/2009 0000		0.65	2004.57	0.00	2,004.57	
MNW							7/9/2009 0000		2.74	2002.48	0.00	2,002.48	
MNW							10/29/2009 0000		1.33	2003.89	0.00	2,003.89	
MNW							1/21/2010 0000		1.18	2004.04	0.00	2,004.04	
MNW							5/27/2010 0000		2.42	2002.80	0.00	2,002.80	
MNW							7/25/2011 0000		4.46	2000.76	0.00	2,000.76	
MNW							5/31/2012 0000		2.7	2002.52	0.00	2,002.52	
MNW							7/3/2013 0000		3.47	2001.75	0.00	2,001.75	
MNW							5/18/2014 0000		1.08	2004.14	0.00	2,004.14	
MNW							7/15/2015 0000		1.46	2003.76	0.00	2,003.76	
MNW							6/28/2017 0000		4.29	2000.93	0.00	2,000.93	
MW-15	978457.9041	592600.3521	2016.62	2019.75	2019.59	A		0					
MNW							6/4/2004 1553		4.88	2011.74	0.00	2,011.74	

NM - No Measurement

Type:
MNW Monitoring Well

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GROUNDWATER LEVEL MEASUREMENTS

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MNW							6/7/2004 1119		5.35	2011.27	0.00	2,011.27	
MNW							6/10/2004 1215		5.57	2011.05	0.00	2,011.05	
MNW							6/14/2004 1525		6.12	2010.50	0.00	2,010.50	
MNW							6/25/2004 0800		6.6	2010.02	0.00	2,010.02	
MNW							8/8/2004 0836		6.3	2010.32	0.00	2,010.32	
MNW							2/9/2005 0000		3.89	2012.73	0.00	2,012.73	
MNW							1/11/2007 0000		4.67	2011.95	0.00	2,011.95	
MNW							4/5/2007 0000		4.34	2012.28	0.00	2,012.28	
MNW							7/11/2007 0000		7.33	2009.29	0.00	2,009.29	
MNW							10/11/2007 0000		9.02	2007.60	0.00	2,007.60	
MNW							1/8/2008 0000		4.21	2012.41	0.00	2,012.41	
MNW							4/16/2008 0000		4.55	2012.07	0.00	2,012.07	
MNW							6/10/2008 0000		6.86	2009.76	0.00	2,009.76	
MNW							7/10/2008 0000		6.58	2010.04	0.00	2,010.04	
MNW							9/11/2008 0000		7.33	2009.29	0.00	2,009.29	
MNW							10/16/2008 0000		7.04	2009.58	0.00	2,009.58	
MNW							11/25/2008 0000		5.84	2010.78	0.00	2,010.78	
MNW							2/12/2009 0000		3.45	2013.17	0.00	2,013.17	
MNW							4/9/2009 0000		4.2	2012.42	0.00	2,012.42	
MNW							7/9/2009 0000		6.34	2010.28	0.00	2,010.28	
MNW							10/29/2009 0000		2.2	2014.42	0.00	2,014.42	
MNW							1/21/2010 0000		5.94	2010.68	0.00	2,010.68	
MNW							5/27/2010 0000		5.94	2010.68	0.00	2,010.68	
MNW							7/25/2011 0000		7.61	2009.01	0.00	2,009.01	
MNW							5/31/2012 0000		6.13	2010.49	0.00	2,010.49	
MNW							7/3/2013 0000		6.35	2010.27	0.00	2,010.27	
MNW							5/18/2014 0000		5.21	2011.41	0.00	2,011.41	
MNW							7/15/2015 0000		2.37	2014.25	0.00	2,014.25	

NM - No Measurement

Type:
MNW Monitoring Well

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TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MNW							6/28/2017 0000		7.32	2009.30	0.00	2,009.30	
MNW							5/1/2019 0000		2.37	2014.25	0.00	2,014.25	
MW-16	978467.9303	592445.9410	2026.75	2029.83	2029.66	A		0					
MNW							6/4/2004 1556		5.2	2021.55	0.00	2,021.55	
MNW							6/7/2004 1121		5.82	2020.93	0.00	2,020.93	
MNW							6/10/2004 1420		6.17	2020.58	0.00	2,020.58	
MNW							6/14/2004 1522		7.26	2019.49	0.00	2,019.49	
MNW							6/25/2004 0755		7.95	2018.80	0.00	2,018.80	
MNW							8/8/2004 0838		7.88	2018.87	0.00	2,018.87	
MNW							2/9/2005 0000		4.5	2022.25	0.00	2,022.25	
MNW							1/11/2007 0000		5.05	2021.70	0.00	2,021.70	
MNW							4/5/2007 0000		5	2021.75	0.00	2,021.75	
MNW							7/11/2007 0000		9.24	2017.51	0.00	2,017.51	
MNW							10/11/2007 0000		14.2	2012.55	0.00	2,012.55	
MNW							1/8/2008 0000		3.81	2022.94	0.00	2,022.94	
MNW							4/16/2008 0000		5.38	2021.37	0.00	2,021.37	
MNW							6/10/2008 0000		8.08	2018.67	0.00	2,018.67	
MNW							7/10/2008 0000		7.86	2018.89	0.00	2,018.89	
MNW							9/11/2008 0000		8.72	2018.03	0.00	2,018.03	
MNW							10/16/2008 0000		9.21	2017.54	0.00	2,017.54	
MNW							11/25/2008 0000		7	2019.75	0.00	2,019.75	
MNW							2/12/2009 0000		3.9	2022.85	0.00	2,022.85	
MNW							4/9/2009 0000		4.82	2021.93	0.00	2,021.93	
MNW							7/9/2009 0000		7.17	2019.58	0.00	2,019.58	
MNW							10/29/2009 0000		7.53	2019.22	0.00	2,019.22	
MNW							1/21/2010 0000		6.14	2020.61	0.00	2,020.61	
MNW							5/27/2010 0000		6.58	2020.17	0.00	2,020.17	

NM - No Measurement

Type:
MNW Monitoring Well

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TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MNW							7/25/2011 0000		9.74	2017.01	0.00	2,017.01	
MNW							5/31/2012 0000		6.51	2020.24	0.00	2,020.24	
MNW							7/3/2013 0000		6.92	2019.83	0.00	2,019.83	
MNW							5/18/2014 0000		4.74	2022.01	0.00	2,022.01	
MNW							7/15/2015 0000		5.42	2021.33	0.00	2,021.33	
MNW							6/28/2017 0000		7.83	2018.92	0.00	2,018.92	
MW-17	978446.8751	592377.7594	2029.76	2032.83	2032.67	A		0					
MNW							6/4/2004 1610		5.39	2024.37	0.00	2,024.37	
MNW							6/7/2004 1140		6.22	2023.54	0.00	2,023.54	
MNW							6/11/2004 1240		7.01	2022.75	0.00	2,022.75	
MNW							6/14/2004 1552		6.6	2023.16	0.00	2,023.16	
MNW							6/25/2004 0827		7.7	2022.06	0.00	2,022.06	
MNW							8/8/2004 0842		6.77	2022.99	0.00	2,022.99	
MNW							2/9/2005 0000		1.39	2028.37	0.00	2,028.37	
MNW							1/11/2007 0000		3	2026.76	0.00	2,026.76	
MNW							4/5/2007 0000		4.93	2024.83	0.00	2,024.83	
MNW							7/11/2007 0000		8.85	2020.91	0.00	2,020.91	
MNW							10/11/2007 0000		10.5	2019.26	0.00	2,019.26	
MNW							1/8/2008 0000		2.16	2027.60	0.00	2,027.60	
MNW							4/16/2008 0000		3.51	2026.25	0.00	2,026.25	
MNW							6/10/2008 0000		8.1	2021.66	0.00	2,021.66	
MNW							7/10/2008 0000		7.25	2022.51	0.00	2,022.51	
MNW							9/11/2008 0000		8.11	2021.65	0.00	2,021.65	
MNW							10/16/2008 0000		8.12	2021.64	0.00	2,021.64	
MNW							11/25/2008 0000		3.18	2026.58	0.00	2,026.58	
MNW							2/12/2009 0000		1.48	2028.28	0.00	2,028.28	
MNW							4/9/2009 0000		2.49	2027.27	0.00	2,027.27	

NM - No Measurement

Type:
MNW Monitoring Well

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GROUNDWATER LEVEL MEASUREMENTS

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MNW							7/9/2009 0000		6.54	2023.22	0.00	2,023.22	
MNW							10/29/2009 0000		2.46	2027.30	0.00	2,027.30	
MNW							1/21/2010 0000		4.65	2025.11	0.00	2,025.11	
MNW							5/27/2010 0000		5.98	2023.78	0.00	2,023.78	
MNW							7/25/2011 0000		8.81	2020.95	0.00	2,020.95	
MNW							5/31/2012 0000		5.69	2024.07	0.00	2,024.07	
MNW							7/3/2013 0000		6.69	2023.07	0.00	2,023.07	
MNW							5/18/2014 0000		2.31	2027.45	0.00	2,027.45	
MNW							7/15/2015 0000		3.16	2026.60	0.00	2,026.60	
MNW							6/28/2017 0000		7.23	2022.53	0.00	2,022.53	
MW-18	978548.1407	592379.7648	2031.86	2034.93	2034.81	A		0					
MNW							6/4/2004 1612		4.96	2026.90	0.00	2,026.90	
MNW							6/7/2004 1142		6.25	2025.61	0.00	2,025.61	
MNW							6/11/2004 1325		7.07	2024.79	0.00	2,024.79	
MNW							6/14/2004 1550		7.81	2024.05	0.00	2,024.05	
MNW							6/25/2004 0833		9.14	2022.72	0.00	2,022.72	
MNW							8/8/2004 0850		7.12	2024.74	0.00	2,024.74	
MNW							2/9/2005 0000		2.55	2029.31	0.00	2,029.31	
MNW							1/11/2007 0000		2.44	2029.42	0.00	2,029.42	
MNW							4/5/2007 0000		3.5	2028.36	0.00	2,028.36	
MNW							7/11/2007 0000		9.66	2022.20	0.00	2,022.20	
MNW							10/11/2007 0000		11.19	2020.67	0.00	2,020.67	
MNW							1/8/2008 0000		3.69	2028.17	0.00	2,028.17	
MNW							4/16/2008 0000		3	2028.86	0.00	2,028.86	
MNW							6/10/2008 0000		9.19	2022.67	0.00	2,022.67	
MNW							7/10/2008 0000		7.33	2024.53	0.00	2,024.53	
MNW							9/11/2008 0000		9.14	2022.72	0.00	2,022.72	

NM - No Measurement

Type:
MNW Monitoring Well

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TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MNW							10/16/2008 0000		9.17	2022.69	0.00	2,022.69	
MNW							11/25/2008 0000		2.91	2028.95	0.00	2,028.95	
MNW							2/12/2009 0000		2.01	2029.85	0.00	2,029.85	
MNW							4/9/2009 0000		2.36	2029.50	0.00	2,029.50	
MNW							7/9/2009 0000		3.72	2028.14	0.00	2,028.14	
MNW							10/29/2009 0000		2.33	2029.53	0.00	2,029.53	
MNW							1/21/2010 0000		2.95	2028.91	0.00	2,028.91	
MNW							5/27/2010 0000		4.04	2027.82	0.00	2,027.82	
MNW							7/25/2011 0000		8.56	2023.30	0.00	2,023.30	
MNW							5/31/2012 0000		2.56	2029.30	0.00	2,029.30	
MNW							7/3/2013 0000		4.89	2026.97	0.00	2,026.97	
MNW							5/18/2014 0000		1.43	2030.43	0.00	2,030.43	
MNW							7/15/2015 0000		2.02	2029.84	0.00	2,029.84	
MNW							6/28/2017 0000		7.83	2024.03	0.00	2,024.03	
MW-19	978683.0834	592632.8136	2018.78	2021.78	2021.63	A		0					
MNW							6/4/2004 0000		NM	-	0.00	-	
MNW							6/7/2004 1114		7.46	2011.32	0.00	2,011.32	
MNW							6/8/2004 1330		7.49	2011.29	0.00	2,011.29	
MNW							6/14/2004 1539		8.64	2010.14	0.00	2,010.14	
MNW							6/25/2004 0750		9.99	2008.79	0.00	2,008.79	
MNW							8/8/2004 0823		9.78	2009.00	0.00	2,009.00	
MNW							2/9/2005 0000		8.42	2010.36	0.00	2,010.36	
MNW							1/11/2007 0000		6.19	2012.59	0.00	2,012.59	
MNW							4/5/2007 0000		6.33	2012.45	0.00	2,012.45	
MNW							7/11/2007 0000		11.28	2007.50	0.00	2,007.50	
MNW							10/11/2007 0000		12.91	2005.87	0.00	2,005.87	
MNW							1/8/2008 0000		4.96	2013.82	0.00	2,013.82	

NM - No Measurement

Type:
MNW Monitoring Well

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

GROUNDWATER LEVEL MEASUREMENTS

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MNW							4/16/2008 0000		6.13	2012.65	0.00	2,012.65	
MNW							6/10/2008 0000		10.43	2008.35	0.00	2,008.35	
MNW							7/10/2008 0000		10.53	2008.25	0.00	2,008.25	
MNW							10/16/2008 0000		11.54	2007.24	0.00	2,007.24	
MNW							2/12/2009 0000		5.07	2013.71	0.00	2,013.71	
MNW							4/9/2009 0000		5.92	2012.86	0.00	2,012.86	
MNW							7/9/2009 0000		10.12	2008.66	0.00	2,008.66	
MNW							10/29/2009 0000		10.43	2008.35	0.00	2,008.35	
MNW							1/21/2010 0000		8.37	2010.41	0.00	2,010.41	
MNW							5/27/2010 0000		7.74	2011.04	0.00	2,011.04	
MNW							7/25/2011 0000		11.43	2007.35	0.00	2,007.35	
MNW							5/31/2012 0000		8.98	2009.80	0.00	2,009.80	
MNW							7/3/2013 0000		8.65	2010.13	0.00	2,010.13	
MNW							5/18/2014 0000		6.47	2012.31	0.00	2,012.31	
MNW							7/15/2015 0000		7.37	2011.41	0.00	2,011.41	
MNW							6/28/2017 0000		10.01	2008.77	0.00	2,008.77	
MW-20	978782.8374	592761.2151	1999.67	2002.65	2002.47	A		0					
MNW							6/4/2004 1507		0.28	1999.39	0.00	1,999.39	
MNW							6/7/2004 1111		0.34	1999.33	0.00	1,999.33	
MNW							6/11/2004 1155		0.32	1999.35	0.00	1,999.35	
MNW							6/14/2004 1516		0.5	1999.17	0.00	1,999.17	
MNW							6/25/2004 0742		0.83	1998.84	0.00	1,998.84	
MNW							8/8/2004 0826		1.06	1998.61	0.00	1,998.61	
MNW							2/9/2005 0000		0.35	1999.32	0.00	1,999.32	
MNW							1/11/2007 0000		NM	-	NM	-	
MNW							4/5/2007 0000		0.16	1999.51	0.00	1,999.51	
MNW							7/11/2007 0000		0.49	1999.18	0.00	1,999.18	

NM - No Measurement

Type:
MNW Monitoring Well

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

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MNW							10/11/2007 0000		6.3	1993.37	0.00	1,993.37	
MNW							1/8/2008 0000		0.41	1999.26	0.00	1,999.26	
MNW							4/16/2008 0000		0.16	1999.51	0.00	1,999.51	
MNW							7/10/2008 0000		0.65	1999.02	0.00	1,999.02	
MNW							10/16/2008 0000		0.13	1999.54	0.00	1,999.54	
MNW							2/12/2009 0000		0.04	1999.63	0.00	1,999.63	
MNW							4/9/2009 0000		0.07	1999.60	0.00	1,999.60	
MNW							7/9/2009 0000		0.89	1998.78	0.00	1,998.78	
MNW							10/29/2009 0000		0.19	1999.48	0.00	1,999.48	
MNW							1/21/2010 0000		0.26	1999.41	0.00	1,999.41	
MNW							5/27/2010 0000		0.76	1998.91	0.00	1,998.91	
MNW							7/25/2011 0000		3.01	1996.66	0.00	1,996.66	
MNW							5/31/2012 0000		0.23	1999.44	0.00	1,999.44	
MNW							7/3/2013 0000		0.23	1999.44	0.00	1,999.44	
MNW							5/18/2014 0000		0.13	1999.54	0.00	1,999.54	
MNW							7/15/2015 0000		0.03	1999.64	0.00	1,999.64	
MNW							6/28/2017 0000		0.5	1999.17	0.00	1,999.17	
MW-21	978790.7387	592569.6006	2022.22	2025.21	2025.10	A		0					
MNW							6/4/2004 1502		10.32	2011.90	0.00	2,011.90	
MNW							6/7/2004 1108		10.65	2011.57	0.00	2,011.57	
MNW							6/8/2004 1450		10.77	2011.45	0.00	2,011.45	
MNW							6/14/2004 1517		10.99	2011.23	0.00	2,011.23	
MNW							6/25/2004 0737		11.17	2011.05	0.00	2,011.05	
MNW							8/8/2004 0824		10.61	2011.61	0.00	2,011.61	
MNW							2/9/2005 0000		10.99	2011.23	0.00	2,011.23	
MNW							1/11/2007 0000		9.81	2012.41	0.00	2,012.41	
MNW							4/5/2007 0000		9.74	2012.48	0.00	2,012.48	

NM - No Measurement

Type:
MNW Monitoring Well

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

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MNW							7/11/2007 0000		11.82	2010.40	0.00	2,010.40	
MNW							10/11/2007 0000		13.16	2009.06	0.00	2,009.06	
MNW							1/8/2008 0000		9.21	2013.01	0.00	2,013.01	
MNW							4/16/2008 0000		9.76	2012.46	0.00	2,012.46	
MNW							7/10/2008 0000		10.75	2011.47	0.00	2,011.47	
MNW							10/16/2008 0000		11.69	2010.53	0.00	2,010.53	
MNW							2/12/2009 0000		8.77	2013.45	0.00	2,013.45	
MNW							4/9/2009 0000		9.6	2012.62	0.00	2,012.62	
MNW							7/9/2009 0000		10.48	2011.74	0.00	2,011.74	
MNW							10/29/2009 0000		11.39	2010.83	0.00	2,010.83	
MNW							1/21/2010 0000		11.02	2011.20	0.00	2,011.20	
MNW							5/27/2010 0000		10.72	2011.50	0.00	2,011.50	
MNW							7/25/2011 0000		11.44	2010.78	0.00	2,010.78	
MNW							5/31/2012 0000		10.68	2011.54	0.00	2,011.54	
MNW							7/3/2013 0000		11.15	2011.07	0.00	2,011.07	
MNW							5/18/2014 0000		9.99	2012.23	0.00	2,012.23	
MNW							7/15/2015 0000		10.52	2011.70	0.00	2,011.70	
MNW							6/28/2017 0000		11.1	2011.12	0.00	2,011.12	
MW-22	978974.0795	592610.2009	2009.99	2013.08	2012.96	A		0					
MNW							6/4/2004 1450		13.94	1996.05	0.00	1,996.05	
MNW							6/7/2004 1101		14	1995.99	0.00	1,995.99	
MNW							6/11/2004 1055		14.06	1995.93	0.00	1,995.93	
MNW							6/14/2004 1508		14.14	1995.85	0.00	1,995.85	
MNW							6/25/2004 0726		14.18	1995.81	0.00	1,995.81	
MNW							8/8/2004 0830		14.15	1995.84	0.00	1,995.84	
MNW							2/9/2005 0000		13.68	1996.31	0.00	1,996.31	
MNW							1/11/2007 0000		13.25	1996.74	0.00	1,996.74	

NM - No Measurement

Type:
MNW Monitoring Well

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

GROUNDWATER LEVEL MEASUREMENTS

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MNW							4/5/2007 0000		12.52	1997.47	0.00	1,997.47	
MNW							7/11/2007 0000		14.21	1995.78	0.00	1,995.78	
MNW							10/11/2007 0000		14.37	1995.62	0.00	1,995.62	
MNW							1/8/2008 0000		13.25	1996.74	0.00	1,996.74	
MNW							4/16/2008 0000		11.12	1998.87	0.00	1,998.87	
MNW							7/10/2008 0000		14.12	1995.87	0.00	1,995.87	
MNW							10/16/2008 0000		13.94	1996.05	0.00	1,996.05	
MNW							2/12/2009 0000		13.47	1996.52	0.00	1,996.52	
MNW							4/9/2009 0000		11.04	1998.95	0.00	1,998.95	
MNW							7/9/2009 0000		13.55	1996.44	0.00	1,996.44	
MNW							10/29/2009 0000		13.42	1996.57	0.00	1,996.57	
MNW							1/21/2010 0000		13.24	1996.75	0.00	1,996.75	
MNW							5/27/2010 0000		9.19	2000.80	0.00	2,000.80	
MNW							7/25/2011 0000		9.38	2000.61	0.00	2,000.61	
MNW							5/31/2012 0000		3.73	2006.26	0.00	2,006.26	
MNW							7/3/2013 0000		3.88	2006.11	0.00	2,006.11	
MNW							5/18/2014 0000		2.22	2007.77	0.00	2,007.77	
MNW							7/15/2015 0000		4.24	2005.75	0.00	2,005.75	
MNW							6/28/2017 0000		9.95	2000.04	0.00	2,000.04	
MW-23	979083.4516	592505.1994	2014.78	2017.75	2017.57	A		0					
MNW							6/4/2004 1445		2.61	2012.17	0.00	2,012.17	
MNW							6/7/2004 1439		3.1	2011.68	0.00	2,011.68	
MNW							6/14/2004 1505		4.82	2009.96	0.00	2,009.96	
MNW							6/25/2004 0718		8.07	2006.71	0.00	2,006.71	
MNW							8/8/2004 0811		4.85	2009.93	0.00	2,009.93	
MNW							2/9/2005 0000		1.03	2013.75	0.00	2,013.75	
MNW							1/11/2007 0000		1.89	2012.89	0.00	2,012.89	

NM - No Measurement

Type:
MNW Monitoring Well

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

GROUNDWATER LEVEL MEASUREMENTS

TABLE 2
GROUNDWATER LEVEL MEASUREMENTS
WYOMING COUNTY FIRE TRAINING CENTER

Location ID / Type	Northing	Easting	Ground Elevation (ft)	Casing Elevation (ft)	Meas.point (Riser)Elev.(ft)	Geol. Zone	Date / Time	Specific Gravity	Depth to Water (ft) From Gnd.	Water Elev. (ft)	Product Thick. (ft)	Corrected Water Elev. (ft)	Remark
MNW							4/5/2007 0000		2.46	2012.32	0.00	2,012.32	
MNW							7/11/2007 0000		7.55	2007.23	0.00	2,007.23	
MNW							10/11/2007 0000		12.39	2002.39	0.00	2,002.39	
MNW							1/8/2008 0000		3.72	2011.06	0.00	2,011.06	
MNW							4/16/2008 0000		3.82	2010.96	0.00	2,010.96	
MNW							7/10/2008 0000		7.23	2007.55	0.00	2,007.55	
MNW							10/16/2008 0000		9.15	2005.63	0.00	2,005.63	
MNW							2/12/2009 0000		0.87	2013.91	0.00	2,013.91	
MNW							4/9/2009 0000		1.24	2013.54	0.00	2,013.54	
MNW							7/9/2009 0000		3.07	2011.71	0.00	2,011.71	
MNW							10/29/2009 0000		2.97	2011.81	0.00	2,011.81	
MNW							1/21/2010 0000		2.2	2012.58	0.00	2,012.58	
MNW							5/27/2010 0000		2.54	2012.24	0.00	2,012.24	
MNW							7/25/2011 0000		9.82	2004.96	0.00	2,004.96	
MNW							5/31/2012 0000		2.95	2011.83	0.00	2,011.83	
MNW							7/3/2013 0000		4	2010.78	0.00	2,010.78	
MNW							5/18/2014 0000		1.34	2013.44	0.00	2,013.44	
MNW							7/15/2015 0000		2.56	2012.22	0.00	2,012.22	
MNW							6/28/2017 0000		7.77	2007.01	0.00	2,007.01	
WEBER WELL MNW	978580.3664	592532.0678	2018.52		2018.52	A	8/8/2004 0830		8.23	2010.29	0.00		

NM - No Measurement

Type:
MNW Monitoring Well

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

GROUNDWATER LEVEL MEASUREMENTS

FIGURES

N

NORTH POND

WYOMING COUNTY FIRE TRAINING CENTER FACILITY

FORMER ARGO PROPERTY

RANGE BUILDING

EARTHEN BERM

FIRING RANGE

REAR POND

APPROXIMATE SITE LIMITS

SCHELL POND

FORMER NORTH FIRE PIT

FORMER DRUM STORAGE AREA

FORMER SOUTH FIRE PIT

FORMER AIRPLANE FUSELAGE

FORMER AST

AGRO-1

WEBER WELL

FORMER WEBER PROPERTY

MAIN BUILDING

FRONT POND

SCHELL RESIDENCE

RESIDENCE

SPRING

WETHERSFIELD ROAD

BECKER RESIDENCE

CHAIN LINK FENCE

BECKER WELL

BECKER POND

OVERVIEW

SITE LOCATION

Legend

- Spring Location
- Residential Pumping Well
- Property Line

250 0 250 Feet

WYOMING COUNTY FIRE TRANING CENTER SITE PLAN

AECOM

FIGURE 1

J:\Projects\11172991.00000\DB\GIS\ArcMap\SITE PLAN.mxd 9/25/2015

N

NORTH POND

WYOMING COUNTY FIRE TRAINING CENTER

FORMER AGRO PROPERTY

LIMITS OF COUNTY PROPERTY

SHOOTING RANGE BUILDING

MW-05

REAR POND

MW-23

ROCK WELL2

MW-06

MW-22

SED-01/SW-01

MW-02

MW-01 (DESTROYED)

MW-08

SCHELL POND

SED-02/SW-02

CINDER BLOCK TRAINING CENTER

SB-03

SB-02

SB-04

SB-01

MW-03

MW-07

MW-21

MW-20

MW-04

MW-19

AGRO-1

MAIN BUILDING

DRIVEWAY

FRONT POND

MW-18

ROCK WELL1

MW-09 (DESTROYED)

FORMER WEBER PROPERTY

RESW-01

WEBER WELL

MW-10

SCHELL HOUSE

MW-16

MW-15

FORMER WEBER HOUSE

MW-14

SEEP

DITCH

MW-17

WETHERSFIELD ROAD

MW-11

MW-12

MW-13

SPRING

FORMER SUPPLY FROM SPRING

BECKER RESIDENCE

UNDERGROUND PIPE

BECKER WELL

POND INLET

BECKER POND

Legend

- Existing Monitoring Well
- Surface Water / Sediment Sample Location
- Spring Location
- Existing Water Supply Well
- Former Supply From Spring (Abandoned)
- Soil Boring Location
- Permeable Reactive Wall Location

200 0 200 Feet

WYOMING COUNTY FIRE TRAINING CENTER
MONITORING WELL, SURFACE WATER, SEDIMENT
AND GROUNDWATER SUPPLY LOCATION PLAN

AECOM

FIGURE 2

J:\Projects\11172991.00000\DB\GIS\ArcMap\MW_SURFACE WATER SAMPLING LOCATIONS (REVISED).mxd 9/24/2015

J:\Projects\11172991.00000\DB\GIS\ArcMap\GW CONTOUR MAP 050119.mxd 8/19/2019

N

WYOMING COUNTY FIRE TRAINING CENTER

SHOOTING RANGE BUILDING

REAR POND

MW-02, 2,023.09

2022

MW-07, 2,020.53

2020

CINDER BLOCK TRAINING CENTER

2018

MAIN BUILDING

DRIVEWAY

FRONT POND

2016

MW-15, 2,014.25

2014

WETHERSFIELD ROAD

2012

MW-12, 2,010.94

Legend

- Monitoring Well
- Groundwater Flow Direction
- 2018 — Groundwater Elevation Contour
- Permeable Reactive Wall Location

MW-15, 2,014.25
Well Location — Groundwater Elevation (ft)

90 0 90 Feet

AECOM

WYOMING COUNTY FIRE TRAINING CENTER
GROUNDWATER ELEVATION CONTOUR MAP (05/01/19)

FIGURE 3

APPENDIX A

SITE-WIDE INSPECTION FORMS,

ENGINEERING CONTROL SYSTEMS INSPECTION

FORMS,

AND SITE PHOTOGRAPHS

APPENDIX C

WYOMING COUNTY FIRE TRAINING CENTER – SITE MANAGEMENT PLAN

NYSDEC SITE NO. V-00604-9

SITE-WIDE INSPECTION FORM

Date: 6/28/19 **Inspector:** Colin Wasteneys

Weather: clear, sunny **Signature:** Colin Wasteneys

Temperature: 80° **Company:** AECOM

Quarter: First Second Third Fourth Annual (Biennial) (Circle One)
(every two years)

Item Inspected	Maintenance Needed (Y/N)	Comments
General Site Access	N	Pavement in excellent condition. Area is well maintained.
Soil Cover/Grass Cover	N	Well maintained, no bare spots.
Monitoring Wells	Y	3-inch outer PVC stick-up casing at MW-18 broken. 3" cap missing. 1" inner casing intact.
Treated Soil Disposal Area	N	Heavy vegetation cover. No bare spots.
Drainage Swales/Channels	N	Swales clear of debris. No erosion or blockages.
North Permeable Reactive Wall	N	Good condition - no repairs needed.
South Permeable Reactive Wall	N	Good condition - no repairs needed.

APPENDIX G

WYOMING COUNTY FIRE TRAINING CENTER – SITE MANAGEMENT PLAN

NYSDEC SITE NO. V-00604-9

ENGINEERING CONTROL SYSTEMS INSPECTION FORM

Component	Item	Condition
North Permeable Reactive Wall	Obvious subsidence, depressions or cracks Evidence of ponded water Stressed or missing vegetation Soil erosion due to surface runoff Animal burrows Piezometers Stone erosion control blanket (east end) Groundwater seepage from PRW Other:	- No depressions or cracks or ponded water. - Vegetation is abundant and thick. - No erosion or animal burrows observed - No groundwater seepage visible. - Appears in good condition.
South Permeable Reactive Wall	Obvious subsidence, depressions or cracks Evidence of ponded water Stressed or missing vegetation Soil erosion due to surface runoff Animal burrows Groundwater seepage from PRW Other:	- Condition good - No depressions, cracks, or ponded water. - Very thick vegetation. No animal burrows - No visible groundwater seepage

Date: 6/28/19 **Inspector:** Colin Wasteneys

WYOMING COUNTY FIRE TRAINING CENTER PHOTOGRAPHIC LOG – PERIODIC INSPECTION (JUNE 28, 2019)

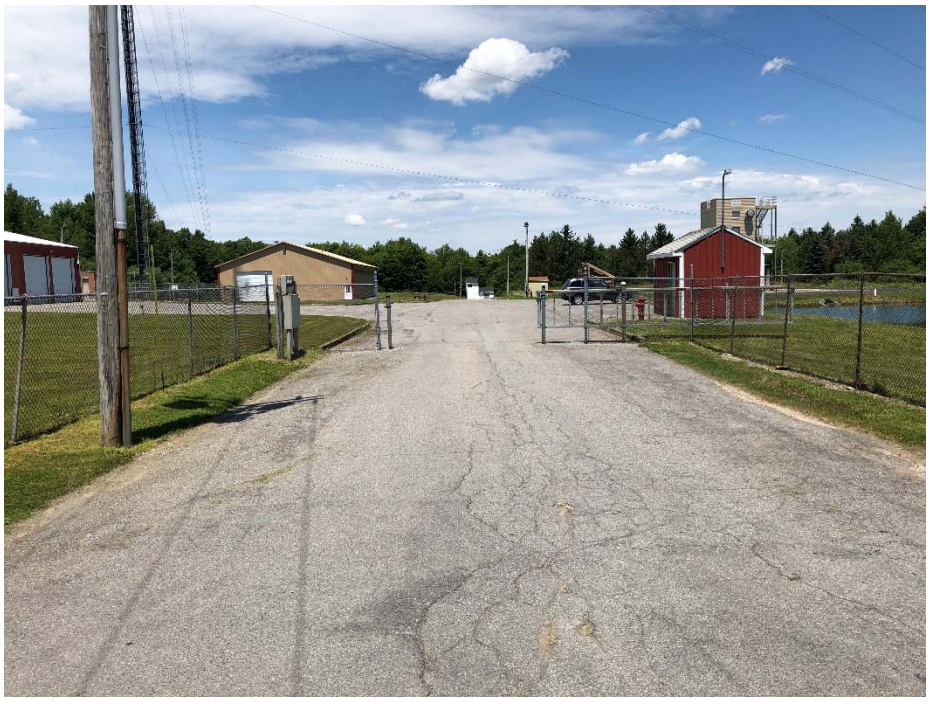

Photo 1: Main entrance to site (looking north).

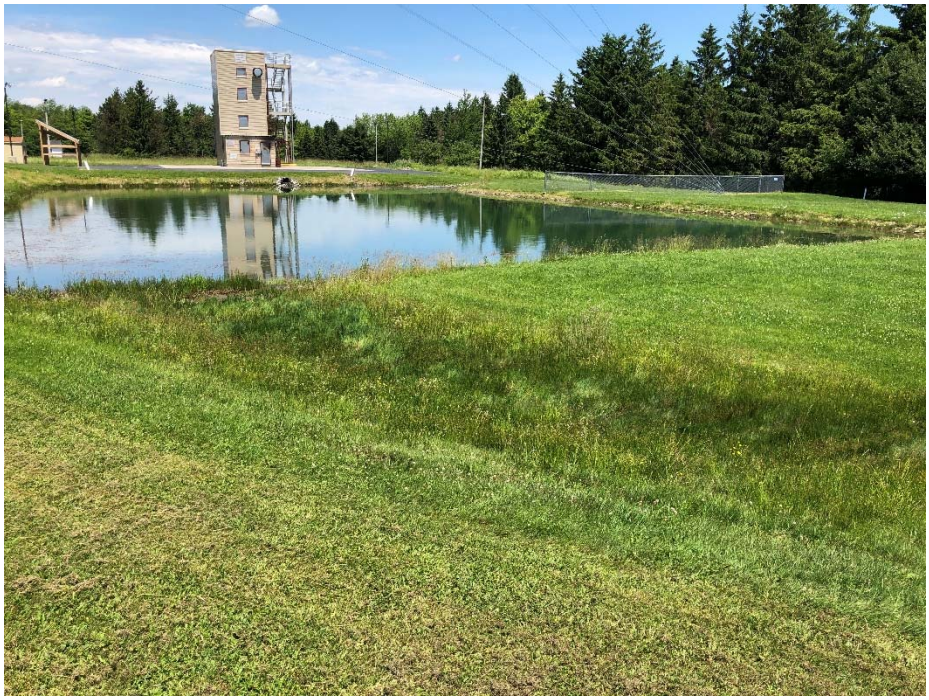

Photo 2: General view of Front Pond and current Fire Training Facility (looking north).

WYOMING COUNTY FIRE TRAINING CENTER PHOTOGRAPHIC LOG – PERIODIC INSPECTION (JUNE 28, 2019)

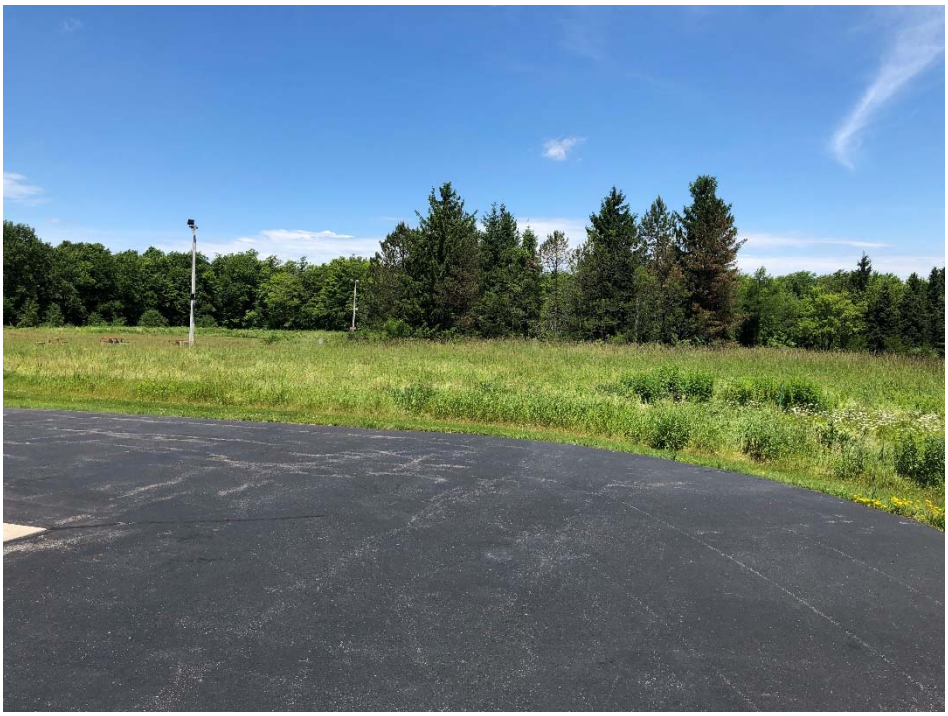

Photo 3: Treated Soil Disposal Area (looking north-northeast).

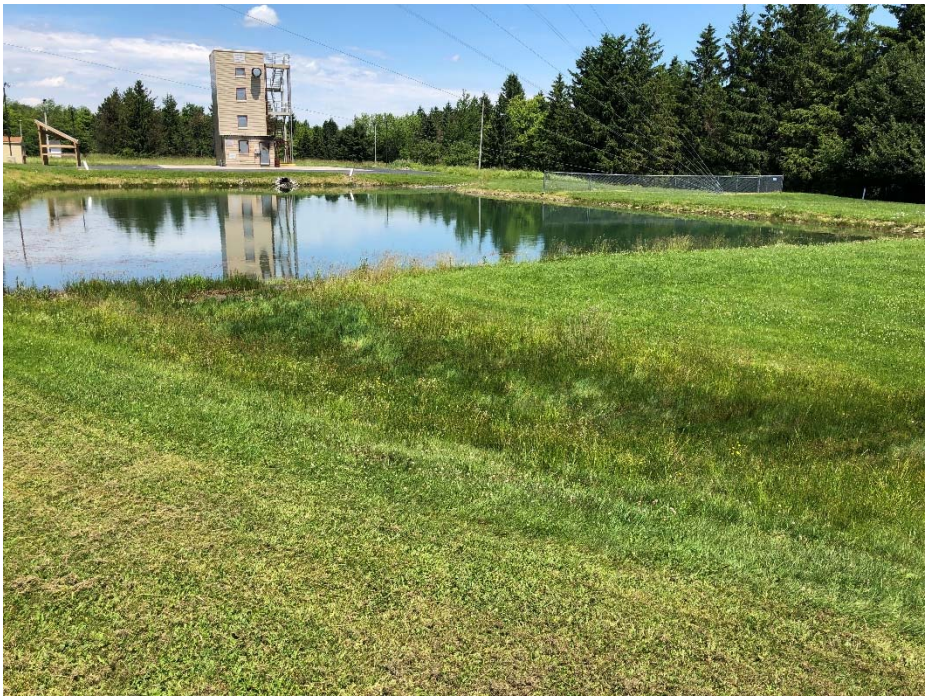

Photo 4: Former North and South Fire Pit Area (looking north-northeast).

WYOMING COUNTY FIRE TRAINING CENTER PHOTOGRAPHIC LOG – PERIODIC INSPECTION (JUNE 28, 2019)

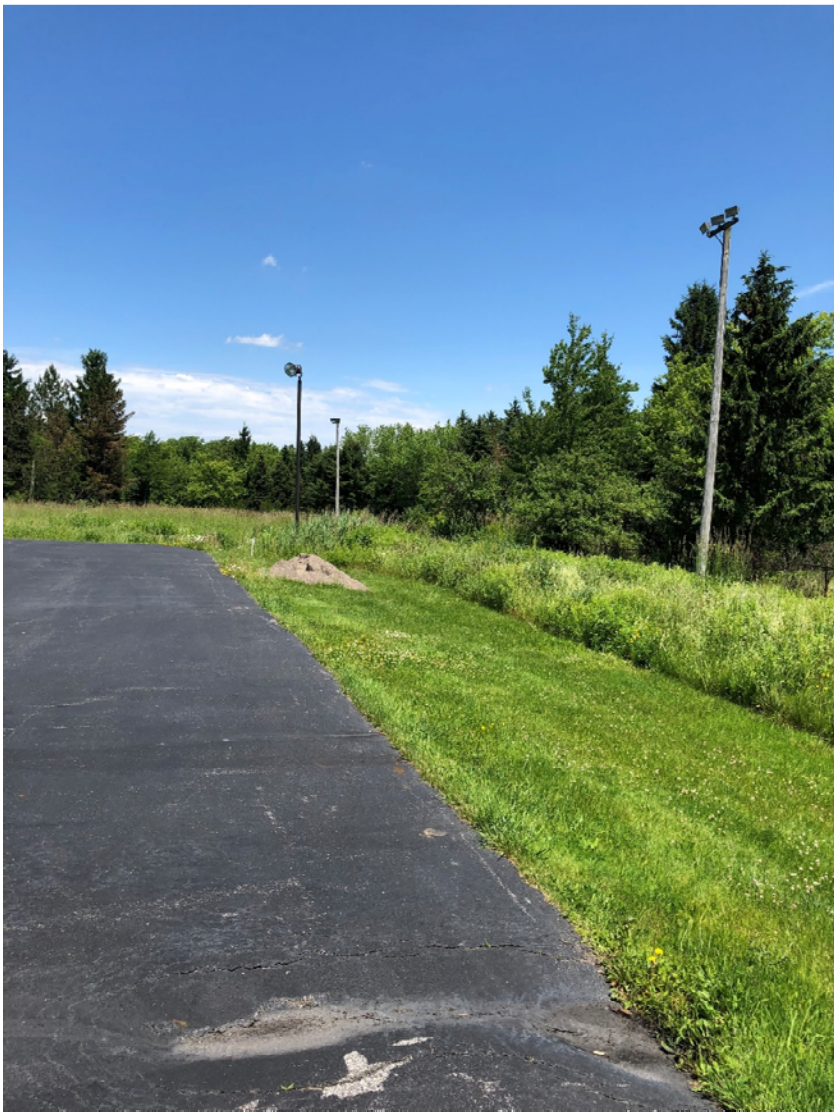

Photo 4: Former North and South Fire Pit Area (looking north-northeast).

WYOMING COUNTY FIRE TRAINING CENTER PHOTOGRAPHIC LOG – PERIODIC INSPECTION (JUNE 28, 2019)

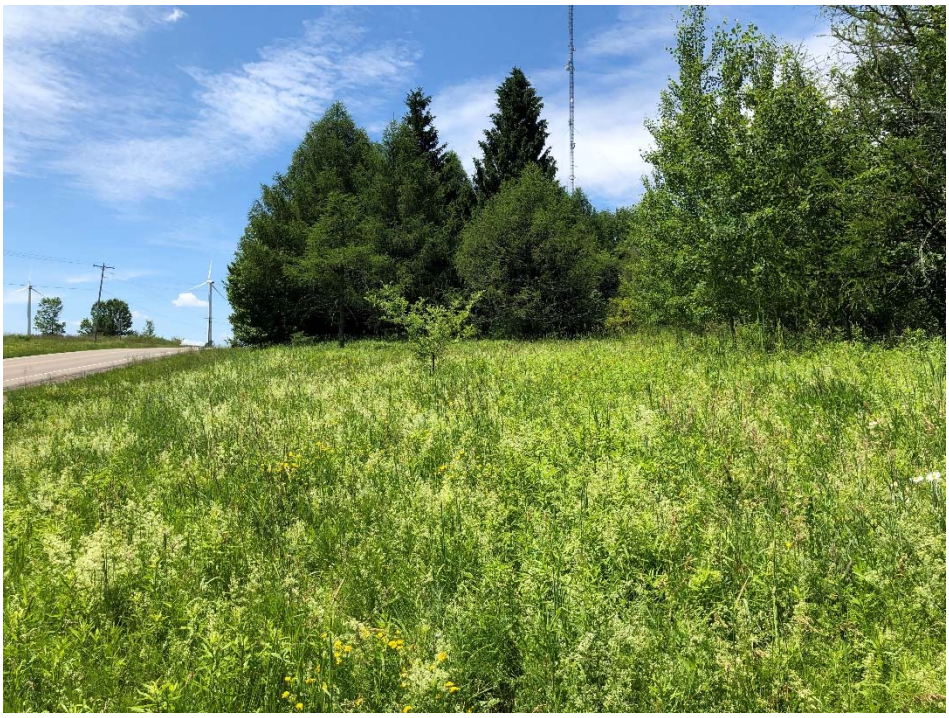

Photo 5: North Permeable Reactive Wall (looking west).

Photo 6: Gravel Drainage Area at East End of North Permeable Reactive Wall (looking north).

APPENDIX B

INSTITUTIONAL AND ENGINEERING CONTROLS CERTIFICATION FORM

Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. **V00604**

Site Name **Wyoming County Fire Training Center**

Site Address: 3651 Wethersfield Road Zip Code: 14469-
City/Town: Wethersfield
County: Wyoming
Site Acreage: 1.4

Reporting Period: September 01, 2017 to August 31, 2019

	YES	NO
1. Is the information above correct?	☒	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☒	☐
7. Are all ICs/ECs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative Date

SITE NO. V00604 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
107-2-32	County of Wyoming	Soil Management Plan Site Management Plan O&M Plan Ground Water Use Restriction Monitoring Plan Landuse Restriction

Since remaining contamination is present at this site, Engineering Controls and Institutional Controls have been implemented (Site Monitoring Plan) to protect public health and the environment for the applicable future use. Two Permeable Reactive Walls (North and South) are located offsite of the Controlled Property.
The site remedy requires that a Declaration of Covenants and Restrictions be placed on the property that will limit groundwater and land use, implement, maintain and monitor Engineering Controls, and prevent future exposure to remaining contamination by controlling disturbances of the subsurface contamination and limiting the future use and development of the site to commercial.

107-2-4.1	County of Wyoming	Building Use Restriction Ground Water Use Restriction

Area is identified as "Restricted Area Former Argo Property". Controls require that any future owner will carry out no activities which will interfere with any program at the adjacent Voluntary Site, adhere to groundwater and building restrictions, and will not interference with County's compliance with the Site Management Plan for the Voluntary site or with the groundwater monitoring wells present on this property.

107-2-4.2	County of Wyoming	Ground Water Use Restriction Building Use Restriction

Area is identified as "Restricted Area Former Weber Property". Controls require that any future owner will carry out no activities which will interfere with any program at the adjacent Voluntary Site, adhere to groundwater and building restrictions, and will not interference with County's compliance with the Site Management Plan for the Voluntary site or with the groundwater monitoring wells and North Permeable Reactive Wall present on this property.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
107-2-32	Cover System
107-2-4.2	Subsurface Barriers

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
☒	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☒	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. V00604

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Colin Wasteneys (print name) at 257 W. Genesee Street, Suite 400, Buffalo, NY 14202, (print business address)

am certifying as Qualified Environmental Professional (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Colin Wasteneys
Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

9/17/19
Date

IC/EC CERTIFICATIONS

Box 7

Qualified Environmental Professional Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Colin Wasteneys at 257 W. Genesee Street, Suite 400, Buffalo, NY 14202,
print name print business address

am certifying as a Qualified Environmental Professional for the County of Wyoming
(Owner or Remedial Party)

Colin Wasteneys 9/17/19

Signature of Qualified Environmental Professional, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

Date

APPENDIX C

NYSDEC ACCEPTANCE LETTER

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 9
270 Michigan Avenue, Buffalo, NY 14203-2915
P: (716) 851-7220 I F: (716) 851-7226
www.dec.ny.gov

January 21, 2016

County of Wyoming
Douglas Berwanger
143 N. Main Street Center
Warsaw, NY 14569

Dear Mr. Berwanger (as the Certifying Party):

Site Management (SM) Periodic Review Report
(PRR) Response Letter
Wyoming County Fire Training Center, Wethersfield
Wyoming County,
Site No.: V00604

The Department has reviewed your Periodic Review Report (PRR) and IC/EC Certification for following period: 02/19/2014 to 09/05/2015.

The Department hereby accepts the PRR and associated Certification. Based on the recommendation of your Consultant, AECOM, the frequency of Periodic Reviews and Site groundwater sampling for this site is henceforth modified to 2 years, and your next PRR is due on October 5, 2017. You will receive a reminder letter and updated certification form 75-days prior to the due date. Private water well sampling is to continue on an annual basis, with data submitted upon review of its usability.

Please note: Section 5.3 of the PRR's Executive Summary states: "No changes are recommended at this time." However, Section 6.3 of the PRR goes on to recommend changes in sampling and submittal frequency. Based on the Department's review, it is assumed that there are no recommendations to change the O&M Program (Section 5.3,) just the frequency as requested in Section 6.3. If this is not the context you were suggesting, please elaborate in a written response.

If you have any questions or comments, please contact me at 716-851-7220 or e-mail: David.Szymanski@dec.ny.gov .

Sincerely,

David Szymanski
EPS-1, Region 9 DER

Ds/tm

ec: Chad Staniszewski – NYSDEC
Matthew Forcucci – NYSDOH
Colin Wasteneys – AECOM
Robert Henschel – On Target Geoenvironmental Services., Inc.
Doreen Simmons – Hancock, Estabrook, LLP

APPENDIX D

LOW FLOW GROUNDWATER PURGING/SAMPLING LOGS

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11172991.00000 **Site:** Wyoming County Fire Training Center **Well I.D.:** MW-02

Date: 5/1/19 **Sampling Personnel:** ET & MS ~~John Boyd~~ **Company:** URS Corporation

Purging/ Sampling Device: Low Flow Peristaltic Pump **Tubing Type:** LDPE and Silicone **Pump/Tubing Inlet Location:** Midpoint of Screen

Measuring Point: TOIC **Initial Depth to Water:** 3.16 **Depth to Well Bottom:** 12.62 **Well Diameter:** One-Inch **Screen Length:** 10 feet

Casing Type: PVC **Volume in 1 Well Casing (liters):** **Estimated Purge Volume (liters):** 20 gal

Sample ID: MW-02 **Sample Time:** 1105 **QA/QC:** MS/MSD

Sample Parameters: TCL VOCs (Method 8260)

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
10:37	7.70	9.0	0.839	3.79	88.4	79.0	300	3.16
10:42	7.10	8.8	0.823	3.04	45.68	86.3	300	3.20
10:47	6.98	8.6	0.838	2.85	23.70	87.4	300	3.36
10:52	6.96	8.5	0.826	2.84	29.96	85.10	300	3.45
10:57	6.96	8.5	0.821	2.85	31.37	84.8	300	3.50
11:02	6.95	8.3	0.817	2.92	18.86	85.0	300	3.52
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:
1. No protective casing present around well.
2. PVC cap intact and in-place on PVC well riser.
3. Pump on at

Sampled @ 1105
Collected MS + MSD

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11172991.00000 Site: Wyoming County Fire Training Center Well I.D.: MW-07

Date: 5/1/19 Sampling Personnel: MS + ET ~~John Boyd~~ Company: URS Corporation

Purging/Sampling Device: Low Flow Peristaltic Pump Tubing Type: LDPE and Silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: TOIC Initial Depth to Water: 6.45 Depth to Well Bottom: 15.10 Well Diameter: One-Inch Screen Length: 10 feet

Casing Type: PVC Volume in 1 Well Casing (liters): Estimated Purge Volume (liters): 20 gal

Sample ID: MW-07 Sample Time: 12:05 QA/QC:

Sample Parameters: TCL VOCs (Method 8260)

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
11:36	7.76	10.0	0.1005	5.54	240388	115.8	200	7.59
11:41	7.37	9.1	0.427	5.30	352.45	116.8	200	8.108
11:46	7.18	8.8	0.494	5.00	161.36	121.5	200	9.20
11:51	7.13	8.9	0.598	4.49	27.04	120.9	200	9.00
11:56	7.17	8.8	0.1029	4.29	32.30	117.9	200	9.00
12:01	7.20	9.7	0.1052	4.15	24.55	115.2	200	8.89
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:
1. Protective casing intact and secured.
2. J-plug intact and in place.
3. Pump on at

Took sample @ 12:05

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11172991.00000 Site: Wyoming County Fire Training Center Well I.D.: MW-12

Date: 5/1/19 Sampling Personnel: MS & ET ~~John Boyd~~ Company: URS Corporation

Purging/Sampling Device: Low Flow Peristaltic Pump Tubing Type: LDPE and Silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: TOIC Initial Depth to Water: 7.7 Depth to Well Bottom: 17.02 Well Diameter: One-Inch Screen Length: 10 feet

Casing Type: PVC Volume in 1 Well Casing (liters): Estimated Purge Volume (liters): 4.0gal

Sample ID: MW-12 Sample Time: 1320 QA/QC:

Sample Parameters: TCL VOCs (Method 8260)

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1225	7.84	10.0	0.191	3.44	5289.39	97.6	250	7.92
1230	7.31	8.7	0.1602	3.01	847.23	102.9	250	7.90
1235	7.05	8.6	0.1600	2.92	42.27	60.2	250	7.90
1240	6.90	8.7	0.1600	2.89	215.26	64.1	250	7.90
1245	6.78	8.7	0.1600	2.80	141.70	67.4	250	7.90
1250	6.72	8.0	0.1600	2.92	96.70	70.1	250	7.90
1255	6.66	8.4	0.1602	2.88	44.62	71.8	250	7.90
~~1300~~ 1300	6.63	8.2	0.1603	2.83	27.22	73.3	250	7.90
1305	6.59	8.2	0.1604	2.87	16.25	74.7	250	7.90
1310	6.56	8.2	0.1605	2.87	14.46	76.1	250	7.90
1315	6.56	8.4	0.1605	2.85	13.44	76.4	250	7.90
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: 1. PVC cap intact and in place on well riser.
2. Pump on at

LOW FLOW GROUNDWATER PURGING/SAMPLING LOG

Project: 11172991.00000 Site: Wyoming County Fire Training Center Well I.D.: MW-15

Date: 5/1/19 Sampling Personnel: MS&FT ~~John Boyd~~ Company: URS Corporation

Purging/ Sampling Device: Low Flow Peristaltic Pump Tubing Type: LDPE and Silicone Pump/Tubing Inlet Location: Midpoint of Screen

Measuring Point: TOIC Initial Depth to Water: 5.30 Depth to Well Bottom: 16.00 Well Diameter: One-inch Screen Length: 10 feet

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

Sample ID: MW-15 Sample Time: 1420 QA/QC: ~~MS/MSD~~

Sample Parameters: TCL VOCs (Method 8260)

PURGE PARAMETERS

TIME	pH	TEMP (°C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	Eh (mV)	FLOW RATE (ml/min.)	DEPTH TO WATER (btor)
1350	7.14	11.7	0.452	5.21	534.73	128.9	225	8.35
1355	4.98	10.5	0.500	4.27	273.26	127.7	225	8.34
1400	7.00	9.8	0.516	4.18	87.81	126.16	225	8.33
1405	7.04	9.7	0.537	4.07	60.02	125.4	225	8.35
1410	7.07	9.4	0.556	4.00	62.18	124.7	225	8.35
1415	7.09	9.6	0.564	3.95	57.87	124.3	225	8.35
~~1420~~								
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: 1. PVC cap intact and in place on well riser.
2. Pump on at

APPENDIX E

RESIDENTIALTAP WATER SAMPLING LOGS

RESIDENTIAL TAP WATER SAMPLING LOG

Project: 60583042 **Site:** Wyoming County Fire Training Center **Location I.D.:** Becker Tap

Date: 07/31/18 **Sampling Personnel:** Ernie Thalhamer **Company:** AECOM

Sampling Device: 40 ml VOA Vial Material of Construction: Glass Pump/Tubing Inlet Location: NA

Measuring Point: NA Initial Depth to Water: NA Depth to Well Bottom: NA Well Diameter: NA Screen Length: NA

Casing Type: NA Volume in 1 Well Casing (gallons): NA Estimated Purge Volume (gallons): NA

Sample ID: BW-01-7/18 Sample Time: 1210 QA/QC: None

Sample Parameters: TCL VOCs (Method 524.2)

SAMPLE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	SALINITY (%)	Appearance
1210	NM	NM	NM	NM	NM	NM	Clear
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 0.02**	

Information: 0.17 gallons per foot in 2-inch diameter well
0.66 gallons per foot in 4-inch diameter well

Comments:

1. Residential tap water grab sample.
2. Sample collected from a tap in the basement of the residence as per the September 14, 2006 letter.
3. Resident ran water from well for 45 minutes before sample was collected. Sample collected from basement spigot.
4. NM=Not measured.

RESIDENTIAL TAP WATER SAMPLING LOG

Project: 60583042 **Site:** Wyoming County Fire Training Center **Location I.D.:** Schell Tap

Date: 07/31/18 **Sampling Personnel:** John Boyd **Company:** AECOM

Sampling Device: 40 ml VOA Vial Material of Construction: Glass Pump/Tubing Inlet Location: NA

Measuring Point: NA Initial Depth to Water: NA Depth to Well Bottom: NA Well Diameter: NA Screen Length: NA

Casing Type: NA Volume in 1 Well Casing (gallons): NA Estimated Purge Volume (gallons): NA

Sample ID: SW-01-7/18 Sample Time: 0830 QA/QC: NA

Sample Parameters: TCL VOCs (Method 524.2)

SAMPLE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	SALINITY (%)	Appearance
0830	NM	NM	NM	NM	NM	NM	Clear
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 0.02**	

Information: 0.17 gallons per foot in 2-inch diameter well
0.66 gallons per foot in 4-inch diameter well

Comments:

1. Residential tap water grab sample.
2. The water sample was collected from the kitchen sink tap with the aerator removed and the water softener system disconnected.
The tap was run for 15 minutes before the sample was collected.
3. NM=Not measured.

RESIDENTIAL TAP WATER SAMPLING LOG

Project: 60583042 **Site:** Wyoming County Fire Training Center **Location I.D.:** Becker Tap

Date: 05/01/19 **Sampling Personnel:** Maddie Sheehan, Ernie Thalhamer **Company:** AECOM

Sampling Device: 40 ml VOA Vial Material of Construction: Glass Pump/Tubing Inlet Location: NA

Measuring Point: NA Initial Depth to Water: NA Depth to Well Bottom: NA Well Diameter: NA Screen Length: NA

Casing Type: NA Volume in 1 Well Casing (gallons): NA Estimated Purge Volume (gallons): NA

Sample ID: BW-01 Sample Time: 1320 QA/QC: None

Sample Parameters: TCL VOCs (Method 524.2)

SAMPLE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	SALINITY (%)	Appearance
1320	NM	NM	NM	NM	NM	NM	Clear
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 0.02**	

Information: 0.17 gallons per foot in 2-inch diameter well
0.66 gallons per foot in 4-inch diameter well

Comments:

1. Residential tap water grab sample.
2. Sample collected from a tap in the basement of the residence as per the September 14, 2006 letter.
3. Resident ran water from well for 20 minutes before sample was collected.
4. NM=Not measured.

RESIDENTIAL TAP WATER SAMPLING LOG

Project: 60583042 **Site:** Wyoming County Fire Training Center **Location I.D.:** Schell Tap

Date: 05/01/19 **Sampling Personnel:** Maddie Sheehan, Ernie Thalhamer **Company:** AECOM

Sampling Device: 40 ml VOA Vial Material of Construction: Glass Pump/Tubing Inlet Location: NA

Measuring Point: NA Initial Depth to Water: NA Depth to Well Bottom: NA Well Diameter: NA Screen Length: NA

Casing Type: NA Volume in 1 Well Casing (gallons): NA Estimated Purge Volume (gallons): NA

Sample ID: SW-01 Sample Time: 1530 QA/QC: None

Sample Parameters: TCL VOCs (Method 524.2)

SAMPLE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	SALINITY (%)	Appearance
1530	NM	NM	NM	NM	NM	NM	Clear
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 0.02**	

Information: 0.17 gallons per foot in 2-inch diameter well
0.66 gallons per foot in 4-inch diameter well

Comments:

1. Residential tap water grab sample.
2. The water sample was collected from the kitchen sink tap with the aerator removed and the water softener system disconnected.
The tap was run for 15 minutes before the sample was collected.
3. NM=Not measured.

APPENDIX F

SURFACE WATER SAMPLING LOGS

SURFACE WATER SAMPLING LOG

Project: 60583042 **Site:** Wyoming County Fire Training Center **Location I.D.:** Spring

Date: 07/31/18 **Sampling Personnel:** Ernie Thalhamer **Company:** AECOM

Sampling Device: NA

Material of Construction: Metal pipe draining into a concrete box.

Pump/Tubing Inlet Location: NA

Measuring Point: NA

Initial Depth to Water: NA

Depth to Well Bottom: NA

Well Diameter: NA

Screen Length: NA

Casing Type: NA

Volume in 1 Well Casing (gallons): NA

Estimated Purge Volume (gallons): NA

Sample ID: No Sample

Sample Time: NA

QA/QC: None

Sample Parameters:

SAMPLE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	SALINITY (%)	Appearance
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 0.02**	

Information: 0.17 gallons per foot in 2-inch diameter well
0.66 gallons per foot in 4-inch diameter well

Comments:
No sample collected. Spring was likely submerged and could not be located.

SURFACE WATER SAMPLING LOG

Project: 60583042 **Site:** Wyoming County Fire Training Center **Location I.D.:** Spring

Date: 05/01/19 **Sampling Personnel:** Ernie Thalhamer/ Maddie Sheehan **Company:** AECOM

Sampling Device: Flow directed to sample container

Material of Construction: Metal pipe draining into a concrete box.

Pump/ Tubing Inlet Location: NA

Measuring Point: NA

Initial Depth to Water: NA

Depth to Well Bottom: NA

Well Diameter: NA

Screen Length: NA

Casing Type: NA

Volume in 1 Well Casing (gallons): NA

Estimated Purge Volume (gallons): NA

Sample ID: Spring

Sample Time: 1455

QA/QC: None

Sample Parameters: TCL VOCs (8260).

SAMPLE PARAMETERS

TIME	pH	TEMP (^{0}C)	COND. (mS/cm)	DISS. O_2 (mg/l)	TURB. (NTU)	SALINITY (%)	Appearance
1455	NM	NM	NM	NM	NM	NM	Clear
Tolerance:	**0.1**	**---**	**3%**	**10%**	**10%**	**+ or - 0.02**	

Information: 0.17 gallons per foot in 2-inch diameter well
0.66 gallons per foot in 4-inch diameter well

Comments:

APPENDIX G

ANALYTICAL DATA

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-139749-1
Client Project/Site: 11172991.00000 - Wyoming County Fire Ctr

For:
AECOM
257 West Genesee Street
Suite 400
Buffalo, New York 14202-2657

Attn: Colin Wasteneys

Authorized for release by:
8/2/2018 11:42:16 AM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
*	LCS or LCSD is outside acceptance limits.

Glossary

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

Case Narrative

Client: AECOM
Project/Site: 11172991.00000 - Wyoming County Fire Ctr

TestAmerica Job ID: 480-139749-1

Job ID: 480-139749-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-139749-1

Receipt
The samples were received on 7/31/2018 2:45 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 6.6° C.

GC/MS VOA
Method(s) 524.2: The continuing calibration verification (CCV) associated with batch 480-427474 recovered above the upper control limit for Dichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: SW-01-7/18 (480-139749-1), BW-01-7/18 (480-139749-2) and TRIP BLANK (480-139749-3).

Method(s) 524.2: The laboratory control sample duplicate (LCSD) for analytical batch 480-427474 recovered outside control limits for the following analyte: Dichlorofluoromethane. This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: SW-01-7/18 (480-139749-1), BW-01-7/18 (480-139749-2) and TRIP BLANK (480-139749-3).

Method(s) 524.2: The low level laboratory control sample (LLCS) for analytical batch 480-427474 recovered outside control limits for the following analytes: Dichlorofluoromethane and Methylene Chloride. These analytes were biased high in the LLCS and were not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: SW-01-7/18 (480-139749-1), BW-01-7/18 (480-139749-2) and TRIP BLANK (480-139749-3).

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

Detection Summary

Client: AECOM
Project/Site: 11172991.00000 - Wyoming County Fire Ctr

TestAmerica Job ID: 480-139749-1

Client Sample ID: SW-01-7/18 — Lab Sample ID: 480-139749-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.4	J	5.0	1.0	ug/L	1		524.2	Total/NA

Client Sample ID: BW-01-7/18 — Lab Sample ID: 480-139749-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	2.4	J	5.0	1.0	ug/L	1		524.2	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-139749-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.6	J	5.0	1.0	ug/L	1		524.2	Total/NA
Dichlorobromomethane	0.46	J	0.50	0.14	ug/L	1		524.2	Total/NA
Chloroform	4.9		0.50	0.14	ug/L	1		524.2	Total/NA
Trihalomethanes, Total	5.4		2.0	1.0	ug/L	1		524.2	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AECOM
Project/Site: 11172991.00000 - Wyoming County Fire Ctr

TestAmerica Job ID: 480-139749-1

Client Sample ID: SW-01-7/18
Date Collected: 07/31/18 08:30
Date Received: 07/31/18 14:45

Lab Sample ID: 480-139749-1
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.14	ug/L			08/01/18 14:02	1
1,1,1-Trichloroethane	ND		0.50	0.21	ug/L			08/01/18 14:02	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.070	ug/L			08/01/18 14:02	1
1,1,2-Trichloroethane	ND		0.50	0.17	ug/L			08/01/18 14:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.17	ug/L			08/01/18 14:02	1
1,1-Dichloroethane	ND		0.50	0.18	ug/L			08/01/18 14:02	1
1,1-Dichloroethene	ND		0.50	0.16	ug/L			08/01/18 14:02	1
1,1-Dichloropropene	ND		0.50	0.063	ug/L			08/01/18 14:02	1
1,2,3-Trichlorobenzene	ND		0.50	0.16	ug/L			08/01/18 14:02	1
1,2,3-Trichloropropane	ND		0.50	0.12	ug/L			08/01/18 14:02	1
1,2,4-Trichlorobenzene	ND		0.50	0.13	ug/L			08/01/18 14:02	1
1,2,4-Trimethylbenzene	ND		0.50	0.090	ug/L			08/01/18 14:02	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.21	ug/L			08/01/18 14:02	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			08/01/18 14:02	1
1,2-Dichlorobenzene	ND		0.50	0.16	ug/L			08/01/18 14:02	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			08/01/18 14:02	1
1,2-Dichloropropane	ND		0.50	0.11	ug/L			08/01/18 14:02	1
1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/L			08/01/18 14:02	1
1,3-Dichlorobenzene	ND		0.50	0.13	ug/L			08/01/18 14:02	1
1,3-Dichloropropane	ND		0.50	0.15	ug/L			08/01/18 14:02	1
1,4-Dichlorobenzene	ND		0.50	0.13	ug/L			08/01/18 14:02	1
2,2-Dichloropropane	ND		0.50	0.35	ug/L			08/01/18 14:02	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			08/01/18 14:02	1
2-Chlorotoluene	ND		0.50	0.12	ug/L			08/01/18 14:02	1
2-Hexanone	ND		5.0	1.0	ug/L			08/01/18 14:02	1
4-Chlorotoluene	ND		0.50	0.15	ug/L			08/01/18 14:02	1
4-Isopropyltoluene	ND		0.50	0.063	ug/L			08/01/18 14:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			08/01/18 14:02	1
Acetone	**1.4**	**J**	5.0	1.0	ug/L			08/01/18 14:02	1
Acrylonitrile	ND		10	2.2	ug/L			08/01/18 14:02	1
Allyl chloride	ND		0.50	0.22	ug/L			08/01/18 14:02	1
Benzene	ND		0.50	0.13	ug/L			08/01/18 14:02	1
Bromobenzene	ND		0.50	0.13	ug/L			08/01/18 14:02	1
Bromochloromethane	ND		0.50	0.11	ug/L			08/01/18 14:02	1
Dichlorobromomethane	ND		0.50	0.14	ug/L			08/01/18 14:02	1
Bromoform	ND		0.50	0.13	ug/L			08/01/18 14:02	1
Bromomethane	ND		0.50	0.23	ug/L			08/01/18 14:02	1
Carbon disulfide	ND		0.50	0.15	ug/L			08/01/18 14:02	1
Carbon tetrachloride	ND		0.50	0.21	ug/L			08/01/18 14:02	1
Chlorobenzene	ND		0.50	0.12	ug/L			08/01/18 14:02	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			08/01/18 14:02	1
Chloroethane	ND		0.50	0.20	ug/L			08/01/18 14:02	1
Chloroform	ND		0.50	0.14	ug/L			08/01/18 14:02	1
Chloromethane	ND		0.50	0.17	ug/L			08/01/18 14:02	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			08/01/18 14:02	1
cis-1,3-Dichloropropene	ND		0.50	0.080	ug/L			08/01/18 14:02	1
Dibromomethane	ND		0.50	0.17	ug/L			08/01/18 14:02	1
Dichlorodifluoromethane	ND		0.50	0.15	ug/L			08/01/18 14:02	1
Ethyl ether	ND		0.50	0.12	ug/L			08/01/18 14:02	1

Client Sample ID: SW-01-7/18
Lab Sample ID: 480-139749-1
Date Collected: 07/31/18 08:30
Matrix: Water
Date Received: 07/31/18 14:45

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.50	0.11	ug/L			08/01/18 14:02	1
Hexachlorobutadiene	ND		0.50	0.11	ug/L			08/01/18 14:02	1
Iodomethane	ND		0.50	0.15	ug/L			08/01/18 14:02	1
Isopropylbenzene	ND		0.50	0.16	ug/L			08/01/18 14:02	1
Methyl tert-butyl ether	ND		0.50	0.12	ug/L			08/01/18 14:02	1
Methylene Chloride	ND	*	2.5	0.99	ug/L			08/01/18 14:02	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			08/01/18 14:02	1
Naphthalene	ND		0.50	0.15	ug/L			08/01/18 14:02	1
n-Butylbenzene	ND		0.50	0.081	ug/L			08/01/18 14:02	1
N-Propylbenzene	ND		0.50	0.13	ug/L			08/01/18 14:02	1
o-Xylene	ND		0.50	0.12	ug/L			08/01/18 14:02	1
sec-Butylbenzene	ND		0.50	0.068	ug/L			08/01/18 14:02	1
Styrene	ND		0.50	0.13	ug/L			08/01/18 14:02	1
t-Butanol	ND		10	2.5	ug/L			08/01/18 14:02	1
tert-Butylbenzene	ND		0.50	0.060	ug/L			08/01/18 14:02	1
Tetrachloroethene	ND		0.50	0.20	ug/L			08/01/18 14:02	1
Toluene	ND		0.50	0.10	ug/L			08/01/18 14:02	1
trans-1,2-Dichloroethene	ND		0.50	0.13	ug/L			08/01/18 14:02	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			08/01/18 14:02	1
trans-1,4-Dichloro-2-butene	ND		2.5	1.3	ug/L			08/01/18 14:02	1
Trichloroethene	ND		0.50	0.18	ug/L			08/01/18 14:02	1
Trichlorofluoromethane	ND		0.50	0.19	ug/L			08/01/18 14:02	1
Vinyl acetate	ND		2.5	0.45	ug/L			08/01/18 14:02	1
Vinyl chloride	ND		0.50	0.18	ug/L			08/01/18 14:02	1
Xylenes, Total	ND		1.0	0.12	ug/L			08/01/18 14:02	1
Trihalomethanes, Total	ND		2.0	1.0	ug/L			08/01/18 14:02	1
Dichlorofluoromethane	ND	*	0.50	0.13	ug/L			08/01/18 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*80 - 120*		*08/01/18 14:02*	*1*
1,2-Dichlorobenzene-d4	*112*		*80 - 120*		*08/01/18 14:02*	*1*

Client: AECOM
Project/Site: 11172991.00000 - Wyoming County Fire Ctr

TestAmerica Job ID: 480-139749-1

Client Sample ID: BW-01-7/18
Date Collected: 07/31/18 12:10
Date Received: 07/31/18 14:45

Lab Sample ID: 480-139749-2
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.14	ug/L			08/01/18 14:27	1
1,1,1-Trichloroethane	ND		0.50	0.21	ug/L			08/01/18 14:27	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.070	ug/L			08/01/18 14:27	1
1,1,2-Trichloroethane	ND		0.50	0.17	ug/L			08/01/18 14:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.17	ug/L			08/01/18 14:27	1
1,1-Dichloroethane	ND		0.50	0.18	ug/L			08/01/18 14:27	1
1,1-Dichloroethene	ND		0.50	0.16	ug/L			08/01/18 14:27	1
1,1-Dichloropropene	ND		0.50	0.063	ug/L			08/01/18 14:27	1
1,2,3-Trichlorobenzene	ND		0.50	0.16	ug/L			08/01/18 14:27	1
1,2,3-Trichloropropane	ND		0.50	0.12	ug/L			08/01/18 14:27	1
1,2,4-Trichlorobenzene	ND		0.50	0.13	ug/L			08/01/18 14:27	1
1,2,4-Trimethylbenzene	ND		0.50	0.090	ug/L			08/01/18 14:27	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.21	ug/L			08/01/18 14:27	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			08/01/18 14:27	1
1,2-Dichlorobenzene	ND		0.50	0.16	ug/L			08/01/18 14:27	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			08/01/18 14:27	1
1,2-Dichloropropane	ND		0.50	0.11	ug/L			08/01/18 14:27	1
1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/L			08/01/18 14:27	1
1,3-Dichlorobenzene	ND		0.50	0.13	ug/L			08/01/18 14:27	1
1,3-Dichloropropane	ND		0.50	0.15	ug/L			08/01/18 14:27	1
1,4-Dichlorobenzene	ND		0.50	0.13	ug/L			08/01/18 14:27	1
2,2-Dichloropropane	ND		0.50	0.35	ug/L			08/01/18 14:27	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			08/01/18 14:27	1
2-Chlorotoluene	ND		0.50	0.12	ug/L			08/01/18 14:27	1
2-Hexanone	ND		5.0	1.0	ug/L			08/01/18 14:27	1
4-Chlorotoluene	ND		0.50	0.15	ug/L			08/01/18 14:27	1
4-Isopropyltoluene	ND		0.50	0.063	ug/L			08/01/18 14:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			08/01/18 14:27	1
Acetone	**2.4**	**J**	5.0	1.0	ug/L			08/01/18 14:27	1
Acrylonitrile	ND		10	2.2	ug/L			08/01/18 14:27	1
Allyl chloride	ND		0.50	0.22	ug/L			08/01/18 14:27	1
Benzene	ND		0.50	0.13	ug/L			08/01/18 14:27	1
Bromobenzene	ND		0.50	0.13	ug/L			08/01/18 14:27	1
Bromochloromethane	ND		0.50	0.11	ug/L			08/01/18 14:27	1
Dichlorobromomethane	ND		0.50	0.14	ug/L			08/01/18 14:27	1
Bromoform	ND		0.50	0.13	ug/L			08/01/18 14:27	1
Bromomethane	ND		0.50	0.23	ug/L			08/01/18 14:27	1
Carbon disulfide	ND		0.50	0.15	ug/L			08/01/18 14:27	1
Carbon tetrachloride	ND		0.50	0.21	ug/L			08/01/18 14:27	1
Chlorobenzene	ND		0.50	0.12	ug/L			08/01/18 14:27	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			08/01/18 14:27	1
Chloroethane	ND		0.50	0.20	ug/L			08/01/18 14:27	1
Chloroform	ND		0.50	0.14	ug/L			08/01/18 14:27	1
Chloromethane	ND		0.50	0.17	ug/L			08/01/18 14:27	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			08/01/18 14:27	1
cis-1,3-Dichloropropene	ND		0.50	0.080	ug/L			08/01/18 14:27	1
Dibromomethane	ND		0.50	0.17	ug/L			08/01/18 14:27	1
Dichlorodifluoromethane	ND		0.50	0.15	ug/L			08/01/18 14:27	1
Ethyl ether	ND		0.50	0.12	ug/L			08/01/18 14:27	1

Client Sample ID: BW-01-7/18
Lab Sample ID: 480-139749-2
Date Collected: 07/31/18 12:10
Matrix: Water
Date Received: 07/31/18 14:45

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.50	0.11	ug/L			08/01/18 14:27	1
Hexachlorobutadiene	ND		0.50	0.11	ug/L			08/01/18 14:27	1
Iodomethane	ND		0.50	0.15	ug/L			08/01/18 14:27	1
Isopropylbenzene	ND		0.50	0.16	ug/L			08/01/18 14:27	1
Methyl tert-butyl ether	ND		0.50	0.12	ug/L			08/01/18 14:27	1
Methylene Chloride	ND	*	2.5	0.99	ug/L			08/01/18 14:27	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			08/01/18 14:27	1
Naphthalene	ND		0.50	0.15	ug/L			08/01/18 14:27	1
n-Butylbenzene	ND		0.50	0.081	ug/L			08/01/18 14:27	1
N-Propylbenzene	ND		0.50	0.13	ug/L			08/01/18 14:27	1
o-Xylene	ND		0.50	0.12	ug/L			08/01/18 14:27	1
sec-Butylbenzene	ND		0.50	0.068	ug/L			08/01/18 14:27	1
Styrene	ND		0.50	0.13	ug/L			08/01/18 14:27	1
t-Butanol	ND		10	2.5	ug/L			08/01/18 14:27	1
tert-Butylbenzene	ND		0.50	0.060	ug/L			08/01/18 14:27	1
Tetrachloroethene	ND		0.50	0.20	ug/L			08/01/18 14:27	1
Toluene	ND		0.50	0.10	ug/L			08/01/18 14:27	1
trans-1,2-Dichloroethene	ND		0.50	0.13	ug/L			08/01/18 14:27	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			08/01/18 14:27	1
trans-1,4-Dichloro-2-butene	ND		2.5	1.3	ug/L			08/01/18 14:27	1
Trichloroethene	ND		0.50	0.18	ug/L			08/01/18 14:27	1
Trichlorofluoromethane	ND		0.50	0.19	ug/L			08/01/18 14:27	1
Vinyl acetate	ND		2.5	0.45	ug/L			08/01/18 14:27	1
Vinyl chloride	ND		0.50	0.18	ug/L			08/01/18 14:27	1
Xylenes, Total	ND		1.0	0.12	ug/L			08/01/18 14:27	1
Trihalomethanes, Total	ND		2.0	1.0	ug/L			08/01/18 14:27	1
Dichlorofluoromethane	ND	*	0.50	0.13	ug/L			08/01/18 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*80 - 120*		*08/01/18 14:27*	*1*
1,2-Dichlorobenzene-d4	*109*		*80 - 120*		*08/01/18 14:27*	*1*

Client: AECOM
Project/Site: 11172991.00000 - Wyoming County Fire Ctr

TestAmerica Job ID: 480-139749-1

Client Sample ID: TRIP BLANK
Date Collected: 07/31/18 00:00
Date Received: 07/31/18 14:45

Lab Sample ID: 480-139749-3
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.14	ug/L			08/01/18 14:52	1
1,1,1-Trichloroethane	ND		0.50	0.21	ug/L			08/01/18 14:52	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.070	ug/L			08/01/18 14:52	1
1,1,2-Trichloroethane	ND		0.50	0.17	ug/L			08/01/18 14:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.17	ug/L			08/01/18 14:52	1
1,1-Dichloroethane	ND		0.50	0.18	ug/L			08/01/18 14:52	1
1,1-Dichloroethene	ND		0.50	0.16	ug/L			08/01/18 14:52	1
1,1-Dichloropropene	ND		0.50	0.063	ug/L			08/01/18 14:52	1
1,2,3-Trichlorobenzene	ND		0.50	0.16	ug/L			08/01/18 14:52	1
1,2,3-Trichloropropane	ND		0.50	0.12	ug/L			08/01/18 14:52	1
1,2,4-Trichlorobenzene	ND		0.50	0.13	ug/L			08/01/18 14:52	1
1,2,4-Trimethylbenzene	ND		0.50	0.090	ug/L			08/01/18 14:52	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.21	ug/L			08/01/18 14:52	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			08/01/18 14:52	1
1,2-Dichlorobenzene	ND		0.50	0.16	ug/L			08/01/18 14:52	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			08/01/18 14:52	1
1,2-Dichloropropane	ND		0.50	0.11	ug/L			08/01/18 14:52	1
1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/L			08/01/18 14:52	1
1,3-Dichlorobenzene	ND		0.50	0.13	ug/L			08/01/18 14:52	1
1,3-Dichloropropane	ND		0.50	0.15	ug/L			08/01/18 14:52	1
1,4-Dichlorobenzene	ND		0.50	0.13	ug/L			08/01/18 14:52	1
2,2-Dichloropropane	ND		0.50	0.35	ug/L			08/01/18 14:52	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			08/01/18 14:52	1
2-Chlorotoluene	ND		0.50	0.12	ug/L			08/01/18 14:52	1
2-Hexanone	ND		5.0	1.0	ug/L			08/01/18 14:52	1
4-Chlorotoluene	ND		0.50	0.15	ug/L			08/01/18 14:52	1
4-Isopropyltoluene	ND		0.50	0.063	ug/L			08/01/18 14:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			08/01/18 14:52	1
Acetone	**1.6**	**J**	5.0	1.0	ug/L			08/01/18 14:52	1
Acrylonitrile	ND		10	2.2	ug/L			08/01/18 14:52	1
Allyl chloride	ND		0.50	0.22	ug/L			08/01/18 14:52	1
Benzene	ND		0.50	0.13	ug/L			08/01/18 14:52	1
Bromobenzene	ND		0.50	0.13	ug/L			08/01/18 14:52	1
Bromochloromethane	ND		0.50	0.11	ug/L			08/01/18 14:52	1
Dichlorobromomethane	**0.46**	**J**	0.50	0.14	ug/L			08/01/18 14:52	1
Bromoform	ND		0.50	0.13	ug/L			08/01/18 14:52	1
Bromomethane	ND		0.50	0.23	ug/L			08/01/18 14:52	1
Carbon disulfide	ND		0.50	0.15	ug/L			08/01/18 14:52	1
Carbon tetrachloride	ND		0.50	0.21	ug/L			08/01/18 14:52	1
Chlorobenzene	ND		0.50	0.12	ug/L			08/01/18 14:52	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			08/01/18 14:52	1
Chloroethane	ND		0.50	0.20	ug/L			08/01/18 14:52	1
Chloroform	**4.9**		0.50	0.14	ug/L			08/01/18 14:52	1
Chloromethane	ND		0.50	0.17	ug/L			08/01/18 14:52	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			08/01/18 14:52	1
cis-1,3-Dichloropropene	ND		0.50	0.080	ug/L			08/01/18 14:52	1
Dibromomethane	ND		0.50	0.17	ug/L			08/01/18 14:52	1
Dichlorodifluoromethane	ND		0.50	0.15	ug/L			08/01/18 14:52	1
Ethyl ether	ND		0.50	0.12	ug/L			08/01/18 14:52	1

Client: AECOM
Project/Site: 11172991.00000 - Wyoming County Fire Ctr

TestAmerica Job ID: 480-139749-1

Client Sample ID: TRIP BLANK
Date Collected: 07/31/18 00:00
Date Received: 07/31/18 14:45

Lab Sample ID: 480-139749-3
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.50	0.11	ug/L			08/01/18 14:52	1
Hexachlorobutadiene	ND		0.50	0.11	ug/L			08/01/18 14:52	1
Iodomethane	ND		0.50	0.15	ug/L			08/01/18 14:52	1
Isopropylbenzene	ND		0.50	0.16	ug/L			08/01/18 14:52	1
Methyl tert-butyl ether	ND		0.50	0.12	ug/L			08/01/18 14:52	1
Methylene Chloride	ND	*	2.5	0.99	ug/L			08/01/18 14:52	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			08/01/18 14:52	1
Naphthalene	ND		0.50	0.15	ug/L			08/01/18 14:52	1
n-Butylbenzene	ND		0.50	0.081	ug/L			08/01/18 14:52	1
N-Propylbenzene	ND		0.50	0.13	ug/L			08/01/18 14:52	1
o-Xylene	ND		0.50	0.12	ug/L			08/01/18 14:52	1
sec-Butylbenzene	ND		0.50	0.068	ug/L			08/01/18 14:52	1
Styrene	ND		0.50	0.13	ug/L			08/01/18 14:52	1
t-Butanol	ND		10	2.5	ug/L			08/01/18 14:52	1
tert-Butylbenzene	ND		0.50	0.060	ug/L			08/01/18 14:52	1
Tetrachloroethene	ND		0.50	0.20	ug/L			08/01/18 14:52	1
Toluene	ND		0.50	0.10	ug/L			08/01/18 14:52	1
trans-1,2-Dichloroethene	ND		0.50	0.13	ug/L			08/01/18 14:52	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			08/01/18 14:52	1
trans-1,4-Dichloro-2-butene	ND		2.5	1.3	ug/L			08/01/18 14:52	1
Trichloroethene	ND		0.50	0.18	ug/L			08/01/18 14:52	1
Trichlorofluoromethane	ND		0.50	0.19	ug/L			08/01/18 14:52	1
Vinyl acetate	ND		2.5	0.45	ug/L			08/01/18 14:52	1
Vinyl chloride	ND		0.50	0.18	ug/L			08/01/18 14:52	1
Xylenes, Total	ND		1.0	0.12	ug/L			08/01/18 14:52	1
Trihalomethanes, Total	**5.4**		2.0	1.0	ug/L			08/01/18 14:52	1
Dichlorofluoromethane	ND	*	0.50	0.13	ug/L			08/01/18 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*80 - 120*		*08/01/18 14:52*	*1*
1,2-Dichlorobenzene-d4	*113*		*80 - 120*		*08/01/18 14:52*	*1*

Surrogate Summary

Client: AECOM
Project/Site: 11172991.00000 - Wyoming County Fire Ctr

TestAmerica Job ID: 480-139749-1

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB (80-120)	DCZ (80-120)
480-139749-1	SW-01-7/18	82	112
480-139749-2	BW-01-7/18	83	109
480-139749-3	TRIP BLANK	81	113
LCS 480-427474/4	Lab Control Sample	94	100
LCSD 480-427474/5	Lab Control Sample Dup	94	99
LLCS 480-427474/6	Lab Control Sample	86	102
MB 480-427474/7	Method Blank	83	105

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DCZ = 1,2-Dichlorobenzene-d4

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-427474/7
Matrix: Water
Analysis Batch: 427474

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.14	ug/L			08/01/18 11:30	1
1,1,1-Trichloroethane	ND		0.50	0.21	ug/L			08/01/18 11:30	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.070	ug/L			08/01/18 11:30	1
1,1,2-Trichloroethane	ND		0.50	0.17	ug/L			08/01/18 11:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.17	ug/L			08/01/18 11:30	1
1,1-Dichloroethane	ND		0.50	0.18	ug/L			08/01/18 11:30	1
1,1-Dichloroethene	ND		0.50	0.16	ug/L			08/01/18 11:30	1
1,1-Dichloropropene	ND		0.50	0.063	ug/L			08/01/18 11:30	1
1,2,3-Trichlorobenzene	ND		0.50	0.16	ug/L			08/01/18 11:30	1
1,2,3-Trichloropropane	ND		0.50	0.12	ug/L			08/01/18 11:30	1
1,2,4-Trichlorobenzene	ND		0.50	0.13	ug/L			08/01/18 11:30	1
1,2,4-Trimethylbenzene	ND		0.50	0.090	ug/L			08/01/18 11:30	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.21	ug/L			08/01/18 11:30	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			08/01/18 11:30	1
1,2-Dichlorobenzene	ND		0.50	0.16	ug/L			08/01/18 11:30	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			08/01/18 11:30	1
1,2-Dichloropropane	ND		0.50	0.11	ug/L			08/01/18 11:30	1
1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/L			08/01/18 11:30	1
1,3-Dichlorobenzene	ND		0.50	0.13	ug/L			08/01/18 11:30	1
1,3-Dichloropropane	ND		0.50	0.15	ug/L			08/01/18 11:30	1
1,4-Dichlorobenzene	ND		0.50	0.13	ug/L			08/01/18 11:30	1
2,2-Dichloropropane	ND		0.50	0.35	ug/L			08/01/18 11:30	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			08/01/18 11:30	1
2-Chlorotoluene	ND		0.50	0.12	ug/L			08/01/18 11:30	1
2-Hexanone	ND		5.0	1.0	ug/L			08/01/18 11:30	1
4-Chlorotoluene	ND		0.50	0.15	ug/L			08/01/18 11:30	1
4-Isopropyltoluene	ND		0.50	0.063	ug/L			08/01/18 11:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			08/01/18 11:30	1
Acetone	ND		5.0	1.0	ug/L			08/01/18 11:30	1
Acrylonitrile	ND		10	2.2	ug/L			08/01/18 11:30	1
Allyl chloride	ND		0.50	0.22	ug/L			08/01/18 11:30	1
Benzene	ND		0.50	0.13	ug/L			08/01/18 11:30	1
Bromobenzene	ND		0.50	0.13	ug/L			08/01/18 11:30	1
Bromochloromethane	ND		0.50	0.11	ug/L			08/01/18 11:30	1
Dichlorobromomethane	ND		0.50	0.14	ug/L			08/01/18 11:30	1
Bromoform	ND		0.50	0.13	ug/L			08/01/18 11:30	1
Bromomethane	ND		0.50	0.23	ug/L			08/01/18 11:30	1
Carbon disulfide	ND		0.50	0.15	ug/L			08/01/18 11:30	1
Carbon tetrachloride	ND		0.50	0.21	ug/L			08/01/18 11:30	1
Chlorobenzene	ND		0.50	0.12	ug/L			08/01/18 11:30	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			08/01/18 11:30	1
Chloroethane	ND		0.50	0.20	ug/L			08/01/18 11:30	1
Chloroform	ND		0.50	0.14	ug/L			08/01/18 11:30	1
Chloromethane	ND		0.50	0.17	ug/L			08/01/18 11:30	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			08/01/18 11:30	1
cis-1,3-Dichloropropene	ND		0.50	0.080	ug/L			08/01/18 11:30	1
Dibromomethane	ND		0.50	0.17	ug/L			08/01/18 11:30	1
Dichlorodifluoromethane	ND		0.50	0.15	ug/L			08/01/18 11:30	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-427474/7
Matrix: Water
Analysis Batch: 427474

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl ether	ND		0.50	0.12	ug/L			08/01/18 11:30	1
Ethylbenzene	ND		0.50	0.11	ug/L			08/01/18 11:30	1
Hexachlorobutadiene	ND		0.50	0.11	ug/L			08/01/18 11:30	1
Iodomethane	ND		0.50	0.15	ug/L			08/01/18 11:30	1
Isopropylbenzene	ND		0.50	0.16	ug/L			08/01/18 11:30	1
Methyl tert-butyl ether	ND		0.50	0.12	ug/L			08/01/18 11:30	1
Methylene Chloride	ND		2.5	0.99	ug/L			08/01/18 11:30	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			08/01/18 11:30	1
Naphthalene	ND		0.50	0.15	ug/L			08/01/18 11:30	1
n-Butylbenzene	ND		0.50	0.081	ug/L			08/01/18 11:30	1
N-Propylbenzene	ND		0.50	0.13	ug/L			08/01/18 11:30	1
o-Xylene	ND		0.50	0.12	ug/L			08/01/18 11:30	1
sec-Butylbenzene	ND		0.50	0.068	ug/L			08/01/18 11:30	1
Styrene	ND		0.50	0.13	ug/L			08/01/18 11:30	1
t-Butanol	ND		10	2.5	ug/L			08/01/18 11:30	1
tert-Butylbenzene	ND		0.50	0.060	ug/L			08/01/18 11:30	1
Tetrachloroethene	ND		0.50	0.20	ug/L			08/01/18 11:30	1
Toluene	ND		0.50	0.10	ug/L			08/01/18 11:30	1
trans-1,2-Dichloroethene	ND		0.50	0.13	ug/L			08/01/18 11:30	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			08/01/18 11:30	1
trans-1,4-Dichloro-2-butene	ND		2.5	1.3	ug/L			08/01/18 11:30	1
Trichloroethene	ND		0.50	0.18	ug/L			08/01/18 11:30	1
Trichlorofluoromethane	ND		0.50	0.19	ug/L			08/01/18 11:30	1
Vinyl acetate	ND		2.5	0.45	ug/L			08/01/18 11:30	1
Vinyl chloride	ND		0.50	0.18	ug/L			08/01/18 11:30	1
Xylenes, Total	ND		1.0	0.12	ug/L			08/01/18 11:30	1
Trihalomethanes, Total	ND		2.0	1.0	ug/L			08/01/18 11:30	1
Dichlorofluoromethane	ND		0.50	0.13	ug/L			08/01/18 11:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*80 - 120*		*08/01/18 11:30*	*1*
1,2-Dichlorobenzene-d4	*105*		*80 - 120*		*08/01/18 11:30*	*1*

Lab Sample ID: LCS 480-427474/4
Matrix: Water
Analysis Batch: 427474

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	4.00	4.56		ug/L		114	70 - 130
1,1,1-Trichloroethane	4.00	4.28		ug/L		107	70 - 130
1,1,2,2-Tetrachloroethane	4.00	3.88		ug/L		97	70 - 130
1,1,2-Trichloroethane	4.00	4.46		ug/L		112	70 - 130
1,1-Dichloroethane	4.00	4.29		ug/L		107	70 - 130
1,1-Dichloroethene	4.00	4.32		ug/L		108	70 - 130
1,1-Dichloropropene	4.00	3.95		ug/L		99	70 - 130
1,2,3-Trichlorobenzene	4.00	3.56		ug/L		89	70 - 130
1,2,3-Trichloropropane	4.00	3.91		ug/L		98	70 - 130
1,2,4-Trichlorobenzene	4.00	3.25		ug/L		81	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-427474/4
Matrix: Water
Analysis Batch: 427474

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	4.00	3.35		ug/L		84	70 - 130
1,2-Dibromo-3-Chloropropane	4.00	3.43		ug/L		86	70 - 130
1,2-Dibromoethane	4.00	4.21		ug/L		105	70 - 130
1,2-Dichlorobenzene	4.00	3.88		ug/L		97	70 - 130
1,2-Dichloroethane	4.00	4.40		ug/L		110	70 - 130
1,2-Dichloropropane	4.00	4.22		ug/L		105	70 - 130
1,3,5-Trimethylbenzene	4.00	3.35		ug/L		84	70 - 130
1,3-Dichlorobenzene	4.00	3.87		ug/L		97	70 - 130
1,3-Dichloropropane	4.00	4.19		ug/L		105	70 - 130
1,4-Dichlorobenzene	4.00	3.87		ug/L		97	70 - 130
2,2-Dichloropropane	4.00	3.63		ug/L		91	70 - 130
2-Butanone (MEK)	20.0	21.2		ug/L		106	70 - 130
2-Chlorotoluene	4.00	3.39		ug/L		85	70 - 130
2-Hexanone	20.0	19.5		ug/L		97	70 - 130
4-Chlorotoluene	4.00	3.69		ug/L		92	70 - 130
4-Isopropyltoluene	4.00	3.28		ug/L		82	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	19.5		ug/L		98	70 - 130
Acetone	20.0	20.2		ug/L		101	70 - 130
Benzene	4.00	4.15		ug/L		104	70 - 130
Bromobenzene	4.00	3.55		ug/L		89	70 - 130
Bromochloromethane	4.00	4.21		ug/L		105	70 - 130
Dichlorobromomethane	4.00	4.33		ug/L		108	70 - 130
Bromoform	4.00	4.31		ug/L		108	70 - 130
Bromomethane	4.00	4.71		ug/L		118	70 - 130
Carbon disulfide	4.00	3.96		ug/L		99	70 - 130
Carbon tetrachloride	4.00	4.50		ug/L		112	70 - 130
Chlorobenzene	4.00	4.01		ug/L		100	70 - 130
Chlorodibromomethane	4.00	4.60		ug/L		115	70 - 130
Chloroethane	4.00	5.03		ug/L		126	70 - 130
Chloroform	4.00	4.18		ug/L		105	70 - 130
Chloromethane	4.00	4.88		ug/L		122	70 - 130
cis-1,2-Dichloroethene	4.00	4.14		ug/L		103	70 - 130
cis-1,3-Dichloropropene	4.00	3.83		ug/L		96	70 - 130
Dibromomethane	4.00	4.10		ug/L		103	70 - 130
Dichlorodifluoromethane	4.00	4.06		ug/L		102	70 - 130
Ethylbenzene	4.00	3.58		ug/L		89	70 - 130
Hexachlorobutadiene	4.00	3.74		ug/L		94	70 - 130
Isopropylbenzene	4.00	3.44		ug/L		86	70 - 130
Methyl tert-butyl ether	4.00	3.95		ug/L		99	70 - 130
Methylene Chloride	4.00	4.33		ug/L		108	70 - 130
Naphthalene	4.00	2.93		ug/L		73	70 - 130
n-Butylbenzene	4.00	3.28		ug/L		82	70 - 130
N-Propylbenzene	4.00	3.51		ug/L		88	70 - 130
sec-Butylbenzene	4.00	3.39		ug/L		85	70 - 130
Styrene	4.00	3.42		ug/L		85	70 - 130
tert-Butylbenzene	4.00	3.22		ug/L		81	70 - 130
Tetrachloroethene	4.00	4.14		ug/L		104	70 - 130
Toluene	4.00	3.75		ug/L		94	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-427474/4
Matrix: Water
Analysis Batch: 427474

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,2-Dichloroethene	4.00	4.14		ug/L		104	70 - 130
trans-1,3-Dichloropropene	4.00	3.82		ug/L		96	70 - 130
Trichloroethene	4.00	3.81		ug/L		95	70 - 130
Trichlorofluoromethane	4.00	4.82		ug/L		121	70 - 130
Vinyl chloride	4.00	4.34		ug/L		109	70 - 130
Xylenes, Total	8.00	7.09		ug/L		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*

Lab Sample ID: LCSD 480-427474/5
Matrix: Water
Analysis Batch: 427474

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	4.00	4.44		ug/L		111	70 - 130	3	20
1,1,1-Trichloroethane	4.00	4.41		ug/L		110	70 - 130	3	20
1,1,2,2-Tetrachloroethane	4.00	3.88		ug/L		97	70 - 130	0	20
1,1,2-Trichloroethane	4.00	4.56		ug/L		114	70 - 130	2	20
1,1-Dichloroethane	4.00	4.32		ug/L		108	70 - 130	1	20
1,1-Dichloroethene	4.00	4.32		ug/L		108	70 - 130	0	20
1,1-Dichloropropene	4.00	4.11		ug/L		103	70 - 130	4	20
1,2,3-Trichlorobenzene	4.00	3.48		ug/L		87	70 - 130	2	20
1,2,3-Trichloropropane	4.00	3.83		ug/L		96	70 - 130	2	20
1,2,4-Trichlorobenzene	4.00	3.31		ug/L		83	70 - 130	2	20
1,2,4-Trimethylbenzene	4.00	3.47		ug/L		87	70 - 130	4	20
1,2-Dibromo-3-Chloropropane	4.00	3.37		ug/L		84	70 - 130	2	20
1,2-Dibromoethane	4.00	4.23		ug/L		106	70 - 130	0	20
1,2-Dichlorobenzene	4.00	3.98		ug/L		100	70 - 130	3	20
1,2-Dichloroethane	4.00	4.45		ug/L		111	70 - 130	1	20
1,2-Dichloropropane	4.00	4.42		ug/L		111	70 - 130	5	20
1,3,5-Trimethylbenzene	4.00	3.45		ug/L		86	70 - 130	3	20
1,3-Dichlorobenzene	4.00	3.94		ug/L		99	70 - 130	2	20
1,3-Dichloropropane	4.00	4.16		ug/L		104	70 - 130	1	20
1,4-Dichlorobenzene	4.00	3.95		ug/L		99	70 - 130	2	20
2,2-Dichloropropane	4.00	4.05		ug/L		101	70 - 130	11	20
2-Butanone (MEK)	20.0	20.8		ug/L		104	70 - 130	2	20
2-Chlorotoluene	4.00	3.54		ug/L		88	70 - 130	4	20
2-Hexanone	20.0	19.3		ug/L		96	70 - 130	1	20
4-Chlorotoluene	4.00	3.76		ug/L		94	70 - 130	2	20
4-Isopropyltoluene	4.00	3.35		ug/L		84	70 - 130	2	20
4-Methyl-2-pentanone (MIBK)	20.0	19.6		ug/L		98	70 - 130	0	20
Acetone	20.0	19.9		ug/L		99	70 - 130	2	20
Benzene	4.00	4.19		ug/L		105	70 - 130	1	20
Bromobenzene	4.00	3.72		ug/L		93	70 - 130	5	20
Bromochloromethane	4.00	4.22		ug/L		106	70 - 130	0	20
Dichlorobromomethane	4.00	4.45		ug/L		111	70 - 130	3	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-427474/5
Matrix: Water
Analysis Batch: 427474

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromoform	4.00	4.30		ug/L		108	70 - 130	0	20
Bromomethane	4.00	4.47		ug/L		112	70 - 130	5	20
Carbon disulfide	4.00	4.05		ug/L		101	70 - 130	2	20
Carbon tetrachloride	4.00	4.57		ug/L		114	70 - 130	2	20
Chlorobenzene	4.00	4.13		ug/L		103	70 - 130	3	20
Chlorodibromomethane	4.00	4.68		ug/L		117	70 - 130	2	20
Chloroethane	4.00	4.99		ug/L		125	70 - 130	1	20
Chloroform	4.00	4.35		ug/L		109	70 - 130	4	20
Chloromethane	4.00	4.95		ug/L		124	70 - 130	1	20
cis-1,2-Dichloroethene	4.00	4.26		ug/L		106	70 - 130	3	20
cis-1,3-Dichloropropene	4.00	3.90		ug/L		98	70 - 130	2	20
Dibromomethane	4.00	4.33		ug/L		108	70 - 130	5	20
Dichlorodifluoromethane	4.00	4.13		ug/L		103	70 - 130	2	20
Ethylbenzene	4.00	3.72		ug/L		93	70 - 130	4	20
Hexachlorobutadiene	4.00	3.78		ug/L		94	70 - 130	1	20
Isopropylbenzene	4.00	3.55		ug/L		89	70 - 130	3	20
Methyl tert-butyl ether	4.00	3.94		ug/L		99	70 - 130	0	20
Methylene Chloride	4.00	4.42		ug/L		110	70 - 130	2	20
Naphthalene	4.00	2.96		ug/L		74	70 - 130	1	20
n-Butylbenzene	4.00	3.37		ug/L		84	70 - 130	3	20
N-Propylbenzene	4.00	3.62		ug/L		91	70 - 130	3	20
sec-Butylbenzene	4.00	3.52		ug/L		88	70 - 130	4	20
Styrene	4.00	3.46		ug/L		86	70 - 130	1	20
tert-Butylbenzene	4.00	3.22		ug/L		81	70 - 130	0	20
Tetrachloroethene	4.00	4.23		ug/L		106	70 - 130	2	20
Toluene	4.00	3.98		ug/L		99	70 - 130	6	20
trans-1,2-Dichloroethene	4.00	4.22		ug/L		105	70 - 130	2	20
trans-1,3-Dichloropropene	4.00	3.94		ug/L		98	70 - 130	3	20
Trichloroethene	4.00	4.05		ug/L		101	70 - 130	6	20
Trichlorofluoromethane	4.00	4.79		ug/L		120	70 - 130	1	20
Vinyl chloride	4.00	4.37		ug/L		109	70 - 130	1	20
Xylenes, Total	8.00	7.24		ug/L		91	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*
1,2-Dichlorobenzene-d4	*99*		*80 - 120*

Lab Sample ID: LLCS 480-427474/6
Matrix: Water
Analysis Batch: 427474

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.500	0.580		ug/L		116	50 - 150
1,1,1-Trichloroethane	0.500	0.613		ug/L		123	50 - 150
1,1,2,2-Tetrachloroethane	0.500	0.564		ug/L		113	50 - 150
1,1,2-Trichloroethane	0.500	0.594		ug/L		119	50 - 150
1,1-Dichloroethane	0.500	0.661		ug/L		132	50 - 150
1,1-Dichloroethene	0.500	0.501		ug/L		100	50 - 150

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 480-427474/6
Matrix: Water
Analysis Batch: 427474

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloropropene	0.500	0.554		ug/L		111	50 - 150
1,2,3-Trichlorobenzene	0.500	0.497	J	ug/L		99	50 - 150
1,2,3-Trichloropropane	0.500	0.561		ug/L		112	50 - 150
1,2,4-Trichlorobenzene	0.500	0.491	J	ug/L		98	50 - 150
1,2,4-Trimethylbenzene	0.500	0.392	J	ug/L		78	50 - 150
1,2-Dibromo-3-Chloropropane	0.500	0.499	J	ug/L		100	50 - 150
1,2-Dibromoethane	0.500	0.559		ug/L		112	50 - 150
1,2-Dichlorobenzene	0.500	0.566		ug/L		113	50 - 150
1,2-Dichloroethane	0.500	0.644		ug/L		129	50 - 150
1,2-Dichloropropane	0.500	0.599		ug/L		120	50 - 150
1,3,5-Trimethylbenzene	0.500	0.403	J	ug/L		81	50 - 150
1,3-Dichlorobenzene	0.500	0.544		ug/L		109	50 - 150
1,3-Dichloropropane	0.500	0.571		ug/L		114	50 - 150
1,4-Dichlorobenzene	0.500	0.553		ug/L		111	50 - 150
2,2-Dichloropropane	0.500	0.501		ug/L		100	50 - 150
2-Butanone (MEK)	2.50	3.01	J	ug/L		121	50 - 150
2-Chlorotoluene	0.500	0.507		ug/L		101	50 - 150
2-Hexanone	2.50	2.19	J	ug/L		88	50 - 150
4-Chlorotoluene	0.500	0.461	J	ug/L		92	50 - 150
4-Isopropyltoluene	0.500	0.356	J	ug/L		71	50 - 150
4-Methyl-2-pentanone (MIBK)	2.50	2.33	J	ug/L		93	50 - 150
Acetone	2.50	3.06	J	ug/L		122	50 - 150
Benzene	0.500	0.587		ug/L		117	50 - 150
Bromobenzene	0.500	0.532		ug/L		106	50 - 150
Bromochloromethane	0.500	0.582		ug/L		116	50 - 150
Dichlorobromomethane	0.500	0.576		ug/L		115	50 - 150
Bromoform	0.500	0.494	J	ug/L		99	50 - 150
Bromomethane	0.500	0.691		ug/L		138	50 - 150
Carbon disulfide	0.500	0.572		ug/L		114	50 - 150
Carbon tetrachloride	0.500	0.601		ug/L		120	50 - 150
Chlorobenzene	0.500	0.560		ug/L		112	50 - 150
Chlorodibromomethane	0.500	0.602		ug/L		120	50 - 150
Chloroethane	0.500	0.654		ug/L		131	50 - 150
Chloroform	0.500	0.638		ug/L		128	50 - 150
Chloromethane	0.500	0.669		ug/L		134	50 - 150
cis-1,2-Dichloroethene	0.500	0.610		ug/L		122	50 - 150
cis-1,3-Dichloropropene	0.500	0.498	J	ug/L		100	50 - 150
Dibromomethane	0.500	0.575		ug/L		115	50 - 150
Dichlorodifluoromethane	0.500	0.485	J	ug/L		97	50 - 150
Ethylbenzene	0.500	0.436	J	ug/L		87	50 - 150
Hexachlorobutadiene	0.500	0.597		ug/L		119	50 - 150
Isopropylbenzene	0.500	0.390	J	ug/L		78	50 - 150
Methyl tert-butyl ether	0.500	0.553		ug/L		111	50 - 150
Methylene Chloride	0.500	ND	*	ug/L		167	50 - 150
Naphthalene	0.500	0.388	J	ug/L		78	50 - 150
n-Butylbenzene	0.500	0.397	J	ug/L		79	50 - 150
N-Propylbenzene	0.500	0.441	J	ug/L		88	50 - 150
sec-Butylbenzene	0.500	0.401	J	ug/L		80	50 - 150

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 480-427474/6
Matrix: Water
Analysis Batch: 427474

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	0.500	0.353	J	ug/L		71	50 - 150
tert-Butylbenzene	0.500	0.384	J	ug/L		77	50 - 150
Tetrachloroethene	0.500	0.600		ug/L		120	50 - 150
Toluene	0.500	0.478	J	ug/L		96	50 - 150
trans-1,2-Dichloroethene	0.500	0.617		ug/L		123	50 - 150
trans-1,3-Dichloropropene	0.500	0.506		ug/L		101	50 - 150
Trichloroethene	0.500	0.539		ug/L		108	50 - 150
Trichlorofluoromethane	0.500	0.539		ug/L		108	50 - 150
Vinyl chloride	0.500	0.599		ug/L		120	50 - 150
Xylenes, Total	1.00	0.840	J	ug/L		84	50 - 150

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*86*		*80 - 120*
1,2-Dichlorobenzene-d4	*102*		*80 - 120*

QC Association Summary

Client: AECOM
Project/Site: 11172991.00000 - Wyoming County Fire Ctr

TestAmerica Job ID: 480-139749-1

GC/MS VOA

Analysis Batch: 427474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-139749-1	SW-01-7/18	Total/NA	Water	524.2	
480-139749-2	BW-01-7/18	Total/NA	Water	524.2	
480-139749-3	TRIP BLANK	Total/NA	Water	524.2	
MB 480-427474/7	Method Blank	Total/NA	Water	524.2	
LCS 480-427474/4	Lab Control Sample	Total/NA	Water	524.2	
LCSD 480-427474/5	Lab Control Sample Dup	Total/NA	Water	524.2	
LLCS 480-427474/6	Lab Control Sample	Total/NA	Water	524.2	

Lab Chronicle

Client: AECOM
Project/Site: 11172991.00000 - Wyoming County Fire Ctr

TestAmerica Job ID: 480-139749-1

Client Sample ID: SW-01-7/18

Lab Sample ID: 480-139749-1

Date Collected: 07/31/18 08:30

Matrix: Water

Date Received: 07/31/18 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	427474	08/01/18 14:02	CDC	TAL BUF

Client Sample ID: BW-01-7/18

Lab Sample ID: 480-139749-2

Date Collected: 07/31/18 12:10

Matrix: Water

Date Received: 07/31/18 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	427474	08/01/18 14:27	CDC	TAL BUF

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-139749-3

Date Collected: 07/31/18 00:00

Matrix: Water

Date Received: 07/31/18 14:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	427474	08/01/18 14:52	CDC	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: AECOM
TestAmerica Job ID: 480-139749-1
Project/Site: 11172991.00000 - Wyoming County Fire Ctr

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-19

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
524.2		Water	1,1,2-Trichloro-1,2,2-trifluoroethane
524.2		Water	1,2-Dibromo-3-Chloropropane
524.2		Water	1,2-Dibromoethane
524.2		Water	2-Butanone (MEK)
524.2		Water	2-Hexanone
524.2		Water	Acrylonitrile
524.2		Water	Allyl chloride
524.2		Water	Carbon disulfide
524.2		Water	Dichlorofluoromethane
524.2		Water	Ethyl ether
524.2		Water	m-Xylene & p-Xylene
524.2		Water	o-Xylene
524.2		Water	t-Butanol
524.2		Water	trans-1,4-Dichloro-2-butene
524.2		Water	Vinyl acetate

Method Summary

Client: AECOM
Project/Site: 11172991.00000 - Wyoming County Fire Ctr

TestAmerica Job ID: 480-139749-1

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	TAL BUF

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: AECOM
Project/Site: 11172991.00000 - Wyoming County Fire Ctr

TestAmerica Job ID: 480-139749-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-139749-1	SW-01-7/18	Water	07/31/18 08:30	07/31/18 14:45
480-139749-2	BW-01-7/18	Water	07/31/18 12:10	07/31/18 14:45
480-139749-3	TRIP BLANK	Water	07/31/18 00:00	07/31/18 14:45

CHAIN OF CUSTODY RECORD

AECOM

PROJECT NO.	SITE NAME	LAB	COOLER	PAGE
	Wyoming City Fire Training Center	Test America 480-139749 COC	1 of 1	1 of 1

SAMPLERS (PRINT/SIGNATURE): Ernest J. Thilhaver

DELIVERY SERVICE: Drop Off AIRBILL NO.:

LOCATION IDENTIFIER	DATE	TIME	COMP/ GRAB	SAMPLE ID	MATRIX	TOTAL NO.# OF CONTAINERS	TESTS: 5242 VOC	BOTTLE TYPE AND PRESERVATIVE: 40ml Glass HCl	REMARKS	SAMPLE TYPE	BEGINNING DEPTH (IN FEET)	ENDING DEPTH (IN FEET)	FIELD LOT NO.# (IRPIMS ONLY)
	7-31-18	0830	Grab	SW-01-7/18	WG	3	3			N	-	-	-
	↓	1210	Grab	BW-01-7/18	WG	3	3			N	-	'	'
	↓	-	-	Trip Blank	WQ	1	1			TB	-	'	-

MATRIX CODES	AA - AMBIENT AIR SE - SEDIMENT SH - HAZARDOUS SOLID WASTE	SL - SLUDGE WP - DRINKING WATER WW - WASTE WATER	WG - GROUND WATER SO - SOIL DC - DRILL CUTTINGS	WL - LEACHATE GS - SOIL GAS WC - DRILLING WATER	WO - OCEAN WATER WS - SURFACE WATER WQ - WATER FIELD QC	LH - HAZARDOUS LIQUID WASTE LF - FLOATING/FREE PRODUCT ON GW TABLE
SAMPLE TYPE CODES	TB# - TRIP BLANK SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE MS# - MATRIX SPIKE	(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)		

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY (SIGNATURE)	DATE	TIME
	7-31-18	1445		7/31/18	1445
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY (SIGNATURE)	DATE	TIME

SPECIAL INSTRUCTIONS: Melissa Deyo - Lab PM

Distribution: Original accompanies shipment, copy to coordinator field files

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-139749-1

Login Number: 139749

List Source: TestAmerica Buffalo

List Number: 1

Creator: Harper, Marcus D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AECOM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-152856-1
Client Project/Site: 60583042 - Wyoming County FTC

For:
AECOM
257 West Genesee Street
Suite 400
Buffalo, New York 14202-2657

Attn: Colin Wasteneys

Authorized for release by:
5/13/2019 5:57:58 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

Melissa Deyo, Project Manager I
(716)504-9874
melissa.deyo@testamericainc.com

Table of Contents

Definitions/Glossary

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Glossary

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

Job ID: 480-152856-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-152856-1

Receipt
The samples were received on 5/1/2019 5:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.2º C.

GC/MS VOA
Method(s) 524.2: The low level laboratory control sample (LLCS) for analytical batch 480-471335 recovered outside control limits for the following analyte: Methylene Chloride. This analyte was biased high in the LLCS and was not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: SW-01 (480-152856-6), BW-01 (480-152856-7) and TRIP BLANK (480-152856-8).

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in 480-471958 was outside the method criteria, high bias, for the following analyte: 1,1,1-Trichloroethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. The following samples are impacted: MW-15 (480-152856-4) and SPRING (480-152856-5).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-471958 recovered above the upper control limit for 1,1,1-Trichloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-02 (480-152856-1) and MW-12 (480-152856-3).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-471958 recovered outside control limits for the following analytes: Bromoform. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported: MW-02 (480-152856-1), MW-12 (480-152856-3), MW-15 (480-152856-4) and SPRING (480-152856-5).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-471958 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: MW-02 (480-152856-1), MW-12 (480-152856-3), MW-15 (480-152856-4) and SPRING (480-152856-5).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-471958 recovered outside acceptance criteria, low biased, for 1,1,2,2-Tetrachloroethane and 2-Butanone (MEK). A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-02 (480-152856-1), MW-02 (480-152856-1[MS]), MW-02 (480-152856-1[MSD]) and MW-15 (480-152856-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-472211 recovered outside acceptance criteria, low biased, for 2-Butanone. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated sample was non-detect for this analyte, the data have been reported. The following sample is impacted: MW-07 (480-152856-2).

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in batch 480-472211 was outside the method criteria, low biased, for the following analyte: 1,1,2-Trichloro-1,2,2-trifluoroethane. 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. The following sample is impacted: MW-07 (480-152856-2).

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in 480-472211 was outside the method criteria, high biased, for the following analyte: Tetrachloroethene. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. The following sample is impacted: MW-07 (480-152856-2).

Method(s) 8260C: The continuing calibration verification (CCV) analyzed in 480-472211 was outside the method criteria, high biased, for the following analyte: 1,1,1-Trichloroethane. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated. The following sample is impacted: MW-07 (480-152856-2).

Job ID: 480-152856-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-472211 recovered above the upper control limit for Trichlorofluoromethane. Carbon tetrachloride, Dichlorodifluoromethane and cis-1,3-Dichloropropene. The sample associated with this CCV was non-detect for the affected analytes; therefore, the data have been reported. The following sample is impacted: MW-07 (480-152856-2).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-472211 recovered outside control limits for the following analytes: Bromoform. 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-07 (480-152856-2).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-472211 recovered outside control limits for the following analytes: Styrene. 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-07 (480-152856-2).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-472211 recovered outside control limits for the following analytes: Dichlorodifluoromethane. 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-07 (480-152856-2).

Method(s) 8260C: Surrogate recovery for the LCS was outside the upper control limit. Due to holding time limitations the samples were not reanalyzed. The following sample was impacted: MW-07 (480-152856-2).

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

Detection Summary

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Client Sample ID: MW-02 — Lab Sample ID: 480-152856-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	410	F1	10	8.1	ug/L	10		8260C	Total/NA
Tetrachloroethene	230		10	3.6	ug/L	10		8260C	Total/NA
Trichloroethene	360		10	4.6	ug/L	10		8260C	Total/NA

Client Sample ID: MW-07 — Lab Sample ID: 480-152856-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	30		1.0	0.82	ug/L	1		8260C	Total/NA
1,1,2-Trichloro-1,2,2-trifluoroethane	1.2		1.0	0.31	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	3.6		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.50	J	1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	17		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	65		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	5.0		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: MW-12 — Lab Sample ID: 480-152856-3

No Detections.

Client Sample ID: MW-15 — Lab Sample ID: 480-152856-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	43		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	4.5		2.0	0.76	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	29		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	97		2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	5.3		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: SPRING — Lab Sample ID: 480-152856-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	47		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	4.6		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.4		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	42		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	35		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	4.7		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: SW-01 — Lab Sample ID: 480-152856-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.7	J	5.0	1.0	ug/L	1		524.2	Total/NA

Client Sample ID: BW-01 — Lab Sample ID: 480-152856-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	1.1	J	5.0	1.0	ug/L	1		524.2	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-152856-8

No Detections.

This Detection Summary does not include radiochemical test results.

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Client Sample ID: MW-02
Lab Sample ID: 480-152856-1
Date Collected: 05/01/19 11:05
Matrix: Water
Date Received: 05/01/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	F1	10	8.2	ug/L			05/09/19 13:12	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			05/09/19 13:12	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			05/09/19 13:12	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	3.1	ug/L			05/09/19 13:12	10
1,1-Dichloroethane	ND		10	3.8	ug/L			05/09/19 13:12	10
1,1-Dichloroethene	ND		10	2.9	ug/L			05/09/19 13:12	10
1,2,4-Trichlorobenzene	ND		10	4.1	ug/L			05/09/19 13:12	10
1,2-Dibromo-3-Chloropropane	ND		10	3.9	ug/L			05/09/19 13:12	10
1,2-Dibromoethane	ND		10	7.3	ug/L			05/09/19 13:12	10
1,2-Dichlorobenzene	ND		10	7.9	ug/L			05/09/19 13:12	10
1,2-Dichloroethane	ND		10	2.1	ug/L			05/09/19 13:12	10
1,2-Dichloropropane	ND		10	7.2	ug/L			05/09/19 13:12	10
1,3-Dichlorobenzene	ND		10	7.8	ug/L			05/09/19 13:12	10
1,4-Dichlorobenzene	ND		10	8.4	ug/L			05/09/19 13:12	10
2-Hexanone	ND		50	12	ug/L			05/09/19 13:12	10
2-Butanone (MEK)	ND		100	13	ug/L			05/09/19 13:12	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			05/09/19 13:12	10
Acetone	ND		100	30	ug/L			05/09/19 13:12	10
Benzene	ND		10	4.1	ug/L			05/09/19 13:12	10
Bromodichloromethane	ND		10	3.9	ug/L			05/09/19 13:12	10
Bromoform	ND	*	10	2.6	ug/L			05/09/19 13:12	10
Bromomethane	ND		10	6.9	ug/L			05/09/19 13:12	10
Carbon disulfide	ND		10	1.9	ug/L			05/09/19 13:12	10
Carbon tetrachloride	ND		10	2.7	ug/L			05/09/19 13:12	10
Chlorobenzene	ND		10	7.5	ug/L			05/09/19 13:12	10
Dibromochloromethane	ND		10	3.2	ug/L			05/09/19 13:12	10
Chloroethane	ND		10	3.2	ug/L			05/09/19 13:12	10
Chloroform	ND		10	3.4	ug/L			05/09/19 13:12	10
Chloromethane	ND		10	3.5	ug/L			05/09/19 13:12	10
cis-1,2-Dichloroethene	**410**	**F1**	10	8.1	ug/L			05/09/19 13:12	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			05/09/19 13:12	10
Cyclohexane	ND		10	1.8	ug/L			05/09/19 13:12	10
Dichlorodifluoromethane	ND	F1	10	6.8	ug/L			05/09/19 13:12	10
Ethylbenzene	ND		10	7.4	ug/L			05/09/19 13:12	10
Isopropylbenzene	ND		10	7.9	ug/L			05/09/19 13:12	10
Methyl acetate	ND		25	13	ug/L			05/09/19 13:12	10
Methyl tert-butyl ether	ND		10	1.6	ug/L			05/09/19 13:12	10
Methylcyclohexane	ND		10	1.6	ug/L			05/09/19 13:12	10
Methylene Chloride	ND		10	4.4	ug/L			05/09/19 13:12	10
Styrene	ND		10	7.3	ug/L			05/09/19 13:12	10
Tetrachloroethene	**230**		10	3.6	ug/L			05/09/19 13:12	10
Toluene	ND		10	5.1	ug/L			05/09/19 13:12	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			05/09/19 13:12	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			05/09/19 13:12	10
Trichloroethene	**360**		10	4.6	ug/L			05/09/19 13:12	10
Trichlorofluoromethane	ND		10	8.8	ug/L			05/09/19 13:12	10
Vinyl chloride	ND		10	9.0	ug/L			05/09/19 13:12	10
Xylenes, Total	ND		20	6.6	ug/L			05/09/19 13:12	10

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Client Sample ID: MW-02
Lab Sample ID: 480-152856-1
Date Collected: 05/01/19 11:05
Matrix: Water
Date Received: 05/01/19 17:10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		05/09/19 13:12	10
Toluene-d8 (Surr)	89		80 - 120		05/09/19 13:12	10
4-Bromofluorobenzene (Surr)	114		73 - 120		05/09/19 13:12	10
Dibromofluoromethane (Surr)	98		75 - 123		05/09/19 13:12	10

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Client Sample ID: MW-07
Lab Sample ID: 480-152856-2
Date Collected: 05/01/19 12:05
Matrix: Water
Date Received: 05/01/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**30**		1.0	0.82	ug/L			05/10/19 12:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/10/19 12:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/10/19 12:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	**1.2**		1.0	0.31	ug/L			05/10/19 12:31	1
1,1-Dichloroethane	**3.6**		1.0	0.38	ug/L			05/10/19 12:31	1
1,1-Dichloroethene	**0.50**	**J**	1.0	0.29	ug/L			05/10/19 12:31	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/10/19 12:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/10/19 12:31	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/10/19 12:31	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/10/19 12:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/10/19 12:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/10/19 12:31	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/10/19 12:31	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/10/19 12:31	1
2-Hexanone	ND		5.0	1.2	ug/L			05/10/19 12:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/10/19 12:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/10/19 12:31	1
Acetone	ND		10	3.0	ug/L			05/10/19 12:31	1
Benzene	ND		1.0	0.41	ug/L			05/10/19 12:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/10/19 12:31	1
Bromoform	ND	*	1.0	0.26	ug/L			05/10/19 12:31	1
Bromomethane	ND		1.0	0.69	ug/L			05/10/19 12:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/10/19 12:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/10/19 12:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/10/19 12:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/10/19 12:31	1
Chloroethane	ND		1.0	0.32	ug/L			05/10/19 12:31	1
Chloroform	ND		1.0	0.34	ug/L			05/10/19 12:31	1
Chloromethane	ND		1.0	0.35	ug/L			05/10/19 12:31	1
cis-1,2-Dichloroethene	**17**		1.0	0.81	ug/L			05/10/19 12:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/10/19 12:31	1
Cyclohexane	ND		1.0	0.18	ug/L			05/10/19 12:31	1
Dichlorodifluoromethane	ND	*	1.0	0.68	ug/L			05/10/19 12:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/10/19 12:31	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/10/19 12:31	1
Methyl acetate	ND		2.5	1.3	ug/L			05/10/19 12:31	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/10/19 12:31	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/10/19 12:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/10/19 12:31	1
Styrene	ND	*	1.0	0.73	ug/L			05/10/19 12:31	1
Tetrachloroethene	**65**		1.0	0.36	ug/L			05/10/19 12:31	1
Toluene	ND		1.0	0.51	ug/L			05/10/19 12:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/10/19 12:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/10/19 12:31	1
Trichloroethene	**5.0**		1.0	0.46	ug/L			05/10/19 12:31	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/10/19 12:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/10/19 12:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/10/19 12:31	1

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Client Sample ID: MW-07
Lab Sample ID: 480-152856-2
Date Collected: 05/01/19 12:05
Matrix: Water
Date Received: 05/01/19 17:10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		77 - 120		05/10/19 12:31	1
Toluene-d8 (Surr)	87		80 - 120		05/10/19 12:31	1
4-Bromofluorobenzene (Surr)	115		73 - 120		05/10/19 12:31	1
Dibromofluoromethane (Surr)	104		75 - 123		05/10/19 12:31	1

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Client Sample ID: MW-12
Lab Sample ID: 480-152856-3
Date Collected: 05/01/19 13:20
Matrix: Water
Date Received: 05/01/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/09/19 14:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/09/19 14:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/09/19 14:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/09/19 14:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/09/19 14:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/09/19 14:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/09/19 14:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/09/19 14:00	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/09/19 14:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/09/19 14:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/09/19 14:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/09/19 14:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/09/19 14:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/09/19 14:00	1
2-Hexanone	ND		5.0	1.2	ug/L			05/09/19 14:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/09/19 14:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/09/19 14:00	1
Acetone	ND		10	3.0	ug/L			05/09/19 14:00	1
Benzene	ND		1.0	0.41	ug/L			05/09/19 14:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/09/19 14:00	1
Bromoform	ND	*	1.0	0.26	ug/L			05/09/19 14:00	1
Bromomethane	ND		1.0	0.69	ug/L			05/09/19 14:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/09/19 14:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/09/19 14:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/09/19 14:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/09/19 14:00	1
Chloroethane	ND		1.0	0.32	ug/L			05/09/19 14:00	1
Chloroform	ND		1.0	0.34	ug/L			05/09/19 14:00	1
Chloromethane	ND		1.0	0.35	ug/L			05/09/19 14:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/09/19 14:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/09/19 14:00	1
Cyclohexane	ND		1.0	0.18	ug/L			05/09/19 14:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/09/19 14:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/09/19 14:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/09/19 14:00	1
Methyl acetate	ND		2.5	1.3	ug/L			05/09/19 14:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/09/19 14:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/09/19 14:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/09/19 14:00	1
Styrene	ND		1.0	0.73	ug/L			05/09/19 14:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/09/19 14:00	1
Toluene	ND		1.0	0.51	ug/L			05/09/19 14:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/09/19 14:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/09/19 14:00	1
Trichloroethene	ND		1.0	0.46	ug/L			05/09/19 14:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/09/19 14:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/09/19 14:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/09/19 14:00	1

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Client Sample ID: MW-12
Lab Sample ID: 480-152856-3
Date Collected: 05/01/19 13:20
Matrix: Water
Date Received: 05/01/19 17:10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		05/09/19 14:00	1
Toluene-d8 (Surr)	88		80 - 120		05/09/19 14:00	1
4-Bromofluorobenzene (Surr)	115		73 - 120		05/09/19 14:00	1
Dibromofluoromethane (Surr)	102		75 - 123		05/09/19 14:00	1

Client: AECOM
Project/Site: 60583042 - Wyoming County FTC

Job ID: 480-152856-1

Client Sample ID: MW-15
Date Collected: 05/01/19 14:20
Date Received: 05/01/19 17:10

Lab Sample ID: 480-152856-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**43**		2.0	1.6	ug/L			05/09/19 14:25	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			05/09/19 14:25	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			05/09/19 14:25	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			05/09/19 14:25	2
1,1-Dichloroethane	**4.5**		2.0	0.76	ug/L			05/09/19 14:25	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			05/09/19 14:25	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			05/09/19 14:25	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			05/09/19 14:25	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			05/09/19 14:25	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			05/09/19 14:25	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			05/09/19 14:25	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			05/09/19 14:25	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			05/09/19 14:25	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			05/09/19 14:25	2
2-Hexanone	ND		10	2.5	ug/L			05/09/19 14:25	2
2-Butanone (MEK)	ND		20	2.6	ug/L			05/09/19 14:25	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			05/09/19 14:25	2
Acetone	ND		20	6.0	ug/L			05/09/19 14:25	2
Benzene	ND		2.0	0.82	ug/L			05/09/19 14:25	2
Bromodichloromethane	ND		2.0	0.78	ug/L			05/09/19 14:25	2
Bromoform	ND	*	2.0	0.52	ug/L			05/09/19 14:25	2
Bromomethane	ND		2.0	1.4	ug/L			05/09/19 14:25	2
Carbon disulfide	ND		2.0	0.38	ug/L			05/09/19 14:25	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			05/09/19 14:25	2
Chlorobenzene	ND		2.0	1.5	ug/L			05/09/19 14:25	2
Dibromochloromethane	ND		2.0	0.64	ug/L			05/09/19 14:25	2
Chloroethane	ND		2.0	0.64	ug/L			05/09/19 14:25	2
Chloroform	ND		2.0	0.68	ug/L			05/09/19 14:25	2
Chloromethane	ND		2.0	0.70	ug/L			05/09/19 14:25	2
cis-1,2-Dichloroethene	**29**		2.0	1.6	ug/L			05/09/19 14:25	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			05/09/19 14:25	2
Cyclohexane	ND		2.0	0.36	ug/L			05/09/19 14:25	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			05/09/19 14:25	2
Ethylbenzene	ND		2.0	1.5	ug/L			05/09/19 14:25	2
Isopropylbenzene	ND		2.0	1.6	ug/L			05/09/19 14:25	2
Methyl acetate	ND		5.0	2.6	ug/L			05/09/19 14:25	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			05/09/19 14:25	2
Methylcyclohexane	ND		2.0	0.32	ug/L			05/09/19 14:25	2
Methylene Chloride	ND		2.0	0.88	ug/L			05/09/19 14:25	2
Styrene	ND		2.0	1.5	ug/L			05/09/19 14:25	2
Tetrachloroethene	**97**		2.0	0.72	ug/L			05/09/19 14:25	2
Toluene	ND		2.0	1.0	ug/L			05/09/19 14:25	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			05/09/19 14:25	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			05/09/19 14:25	2
Trichloroethene	**5.3**		2.0	0.92	ug/L			05/09/19 14:25	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			05/09/19 14:25	2
Vinyl chloride	ND		2.0	1.8	ug/L			05/09/19 14:25	2
Xylenes, Total	ND		4.0	1.3	ug/L			05/09/19 14:25	2

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Client Sample ID: MW-15
Lab Sample ID: 480-152856-4
Date Collected: 05/01/19 14:20
Matrix: Water
Date Received: 05/01/19 17:10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		77 - 120		05/09/19 14:25	2
Toluene-d8 (Surr)	90		80 - 120		05/09/19 14:25	2
4-Bromofluorobenzene (Surr)	114		73 - 120		05/09/19 14:25	2
Dibromofluoromethane (Surr)	102		75 - 123		05/09/19 14:25	2

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Client Sample ID: SPRING
Lab Sample ID: 480-152856-5
Date Collected: 05/01/19 14:55
Matrix: Water
Date Received: 05/01/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**47**		1.0	0.82	ug/L			05/09/19 14:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/09/19 14:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/09/19 14:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/09/19 14:49	1
1,1-Dichloroethane	**4.6**		1.0	0.38	ug/L			05/09/19 14:49	1
1,1-Dichloroethene	**1.4**		1.0	0.29	ug/L			05/09/19 14:49	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/09/19 14:49	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/09/19 14:49	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/09/19 14:49	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/09/19 14:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/09/19 14:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/09/19 14:49	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/09/19 14:49	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/09/19 14:49	1
2-Hexanone	ND		5.0	1.2	ug/L			05/09/19 14:49	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/09/19 14:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/09/19 14:49	1
Acetone	ND		10	3.0	ug/L			05/09/19 14:49	1
Benzene	ND		1.0	0.41	ug/L			05/09/19 14:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/09/19 14:49	1
Bromoform	ND	*	1.0	0.26	ug/L			05/09/19 14:49	1
Bromomethane	ND		1.0	0.69	ug/L			05/09/19 14:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/09/19 14:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/09/19 14:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/09/19 14:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/09/19 14:49	1
Chloroethane	ND		1.0	0.32	ug/L			05/09/19 14:49	1
Chloroform	ND		1.0	0.34	ug/L			05/09/19 14:49	1
Chloromethane	ND		1.0	0.35	ug/L			05/09/19 14:49	1
cis-1,2-Dichloroethene	**42**		1.0	0.81	ug/L			05/09/19 14:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/09/19 14:49	1
Cyclohexane	ND		1.0	0.18	ug/L			05/09/19 14:49	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/09/19 14:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/09/19 14:49	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/09/19 14:49	1
Methyl acetate	ND		2.5	1.3	ug/L			05/09/19 14:49	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/09/19 14:49	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/09/19 14:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/09/19 14:49	1
Styrene	ND		1.0	0.73	ug/L			05/09/19 14:49	1
Tetrachloroethene	**35**		1.0	0.36	ug/L			05/09/19 14:49	1
Toluene	ND		1.0	0.51	ug/L			05/09/19 14:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/09/19 14:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/09/19 14:49	1
Trichloroethene	**4.7**		1.0	0.46	ug/L			05/09/19 14:49	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/09/19 14:49	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/09/19 14:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/09/19 14:49	1

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Client Sample ID: SPRING
Lab Sample ID: 480-152856-5
Date Collected: 05/01/19 14:55
Matrix: Water
Date Received: 05/01/19 17:10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		77 - 120		05/09/19 14:49	1
Toluene-d8 (Surr)	87		80 - 120		05/09/19 14:49	1
4-Bromofluorobenzene (Surr)	116		73 - 120		05/09/19 14:49	1
Dibromofluoromethane (Surr)	102		75 - 123		05/09/19 14:49	1

Client: AECOM
Project/Site: 60583042 - Wyoming County FTC

Job ID: 480-152856-1

Client Sample ID: SW-01
Date Collected: 05/01/19 15:30
Date Received: 05/01/19 17:10

Lab Sample ID: 480-152856-6
Matrix: Water

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.14	ug/L			05/06/19 13:17	1
1,1,1-Trichloroethane	ND		0.50	0.21	ug/L			05/06/19 13:17	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/06/19 13:17	1
1,1,2-Trichloroethane	ND		0.50	0.17	ug/L			05/06/19 13:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.17	ug/L			05/06/19 13:17	1
1,1-Dichloroethane	ND		0.50	0.18	ug/L			05/06/19 13:17	1
1,1-Dichloroethene	ND		0.50	0.16	ug/L			05/06/19 13:17	1
1,1-Dichloropropene	ND		0.50	0.063	ug/L			05/06/19 13:17	1
1,2,3-Trichlorobenzene	ND		0.50	0.16	ug/L			05/06/19 13:17	1
1,2,3-Trichloropropane	ND		0.50	0.12	ug/L			05/06/19 13:17	1
1,2,4-Trichlorobenzene	ND		0.50	0.13	ug/L			05/06/19 13:17	1
1,2,4-Trimethylbenzene	ND		0.50	0.090	ug/L			05/06/19 13:17	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.21	ug/L			05/06/19 13:17	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			05/06/19 13:17	1
1,2-Dichlorobenzene	ND		0.50	0.16	ug/L			05/06/19 13:17	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			05/06/19 13:17	1
1,2-Dichloropropane	ND		0.50	0.11	ug/L			05/06/19 13:17	1
1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/L			05/06/19 13:17	1
1,3-Dichlorobenzene	ND		0.50	0.13	ug/L			05/06/19 13:17	1
1,3-Dichloropropane	ND		0.50	0.15	ug/L			05/06/19 13:17	1
1,4-Dichlorobenzene	ND		0.50	0.13	ug/L			05/06/19 13:17	1
2,2-Dichloropropane	ND		0.50	0.35	ug/L			05/06/19 13:17	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/06/19 13:17	1
2-Chlorotoluene	ND		0.50	0.12	ug/L			05/06/19 13:17	1
2-Hexanone	ND		5.0	1.0	ug/L			05/06/19 13:17	1
4-Chlorotoluene	ND		0.50	0.15	ug/L			05/06/19 13:17	1
4-Isopropyltoluene	ND		0.50	0.063	ug/L			05/06/19 13:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/06/19 13:17	1
Acetone	**1.7**	**J**	5.0	1.0	ug/L			05/06/19 13:17	1
Acrylonitrile	ND		10	2.2	ug/L			05/06/19 13:17	1
Allyl chloride	ND		0.50	0.22	ug/L			05/06/19 13:17	1
Benzene	ND		0.50	0.13	ug/L			05/06/19 13:17	1
Bromobenzene	ND		0.50	0.13	ug/L			05/06/19 13:17	1
Bromochloromethane	ND		0.50	0.11	ug/L			05/06/19 13:17	1
Dichlorobromomethane	ND		0.50	0.14	ug/L			05/06/19 13:17	1
Bromoform	ND		0.50	0.13	ug/L			05/06/19 13:17	1
Bromomethane	ND		0.50	0.23	ug/L			05/06/19 13:17	1
Carbon disulfide	ND		0.50	0.15	ug/L			05/06/19 13:17	1
Carbon tetrachloride	ND		0.50	0.21	ug/L			05/06/19 13:17	1
Chlorobenzene	ND		0.50	0.12	ug/L			05/06/19 13:17	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			05/06/19 13:17	1
Chloroethane	ND		0.50	0.20	ug/L			05/06/19 13:17	1
Chloroform	ND		0.50	0.14	ug/L			05/06/19 13:17	1
Chloromethane	ND		0.50	0.17	ug/L			05/06/19 13:17	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			05/06/19 13:17	1
cis-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/06/19 13:17	1
Dibromomethane	ND		0.50	0.17	ug/L			05/06/19 13:17	1
Dichlorodifluoromethane	ND		0.50	0.15	ug/L			05/06/19 13:17	1
Ethyl ether	ND		0.50	0.12	ug/L			05/06/19 13:17	1

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Client Sample ID: SW-01
Lab Sample ID: 480-152856-6
Date Collected: 05/01/19 15:30
Matrix: Water
Date Received: 05/01/19 17:10

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.50	0.11	ug/L			05/06/19 13:17	1
Hexachlorobutadiene	ND		0.50	0.11	ug/L			05/06/19 13:17	1
Iodomethane	ND		0.50	0.15	ug/L			05/06/19 13:17	1
Isopropylbenzene	ND		0.50	0.16	ug/L			05/06/19 13:17	1
Methyl tert-butyl ether	ND		0.50	0.12	ug/L			05/06/19 13:17	1
Methylene Chloride	ND	*	2.5	0.99	ug/L			05/06/19 13:17	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			05/06/19 13:17	1
Naphthalene	ND		0.50	0.15	ug/L			05/06/19 13:17	1
n-Butylbenzene	ND		0.50	0.081	ug/L			05/06/19 13:17	1
N-Propylbenzene	ND		0.50	0.13	ug/L			05/06/19 13:17	1
o-Xylene	ND		0.50	0.12	ug/L			05/06/19 13:17	1
sec-Butylbenzene	ND		0.50	0.068	ug/L			05/06/19 13:17	1
Styrene	ND		0.50	0.13	ug/L			05/06/19 13:17	1
t-Butanol	ND		10	2.5	ug/L			05/06/19 13:17	1
tert-Butylbenzene	ND		0.50	0.060	ug/L			05/06/19 13:17	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/06/19 13:17	1
Toluene	ND		0.50	0.10	ug/L			05/06/19 13:17	1
trans-1,2-Dichloroethene	ND		0.50	0.13	ug/L			05/06/19 13:17	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/06/19 13:17	1
trans-1,4-Dichloro-2-butene	ND		2.5	1.3	ug/L			05/06/19 13:17	1
Trichloroethene	ND		0.50	0.18	ug/L			05/06/19 13:17	1
Trichlorofluoromethane	ND		0.50	0.19	ug/L			05/06/19 13:17	1
Vinyl acetate	ND		2.5	0.45	ug/L			05/06/19 13:17	1
Vinyl chloride	ND		0.50	0.18	ug/L			05/06/19 13:17	1
Xylenes, Total	ND		1.0	0.12	ug/L			05/06/19 13:17	1
Trihalomethanes, Total	ND		2.0	1.0	ug/L			05/06/19 13:17	1
Dichlorofluoromethane	ND		0.50	0.13	ug/L			05/06/19 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*80 - 120*		*05/06/19 13:17*	*1*
1,2-Dichlorobenzene-d4	*106*		*80 - 120*		*05/06/19 13:17*	*1*

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Client Sample ID: BW-01
Lab Sample ID: 480-152856-7
Date Collected: 05/01/19 13:20
Matrix: Water
Date Received: 05/01/19 17:10

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.14	ug/L			05/06/19 13:41	1
1,1,1-Trichloroethane	ND		0.50	0.21	ug/L			05/06/19 13:41	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/06/19 13:41	1
1,1,2-Trichloroethane	ND		0.50	0.17	ug/L			05/06/19 13:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.17	ug/L			05/06/19 13:41	1
1,1-Dichloroethane	ND		0.50	0.18	ug/L			05/06/19 13:41	1
1,1-Dichloroethene	ND		0.50	0.16	ug/L			05/06/19 13:41	1
1,1-Dichloropropene	ND		0.50	0.063	ug/L			05/06/19 13:41	1
1,2,3-Trichlorobenzene	ND		0.50	0.16	ug/L			05/06/19 13:41	1
1,2,3-Trichloropropane	ND		0.50	0.12	ug/L			05/06/19 13:41	1
1,2,4-Trichlorobenzene	ND		0.50	0.13	ug/L			05/06/19 13:41	1
1,2,4-Trimethylbenzene	ND		0.50	0.090	ug/L			05/06/19 13:41	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.21	ug/L			05/06/19 13:41	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			05/06/19 13:41	1
1,2-Dichlorobenzene	ND		0.50	0.16	ug/L			05/06/19 13:41	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			05/06/19 13:41	1
1,2-Dichloropropane	ND		0.50	0.11	ug/L			05/06/19 13:41	1
1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/L			05/06/19 13:41	1
1,3-Dichlorobenzene	ND		0.50	0.13	ug/L			05/06/19 13:41	1
1,3-Dichloropropane	ND		0.50	0.15	ug/L			05/06/19 13:41	1
1,4-Dichlorobenzene	ND		0.50	0.13	ug/L			05/06/19 13:41	1
2,2-Dichloropropane	ND		0.50	0.35	ug/L			05/06/19 13:41	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/06/19 13:41	1
2-Chlorotoluene	ND		0.50	0.12	ug/L			05/06/19 13:41	1
2-Hexanone	ND		5.0	1.0	ug/L			05/06/19 13:41	1
4-Chlorotoluene	ND		0.50	0.15	ug/L			05/06/19 13:41	1
4-Isopropyltoluene	ND		0.50	0.063	ug/L			05/06/19 13:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/06/19 13:41	1
Acetone	**1.1**	**J**	5.0	1.0	ug/L			05/06/19 13:41	1
Acrylonitrile	ND		10	2.2	ug/L			05/06/19 13:41	1
Allyl chloride	ND		0.50	0.22	ug/L			05/06/19 13:41	1
Benzene	ND		0.50	0.13	ug/L			05/06/19 13:41	1
Bromobenzene	ND		0.50	0.13	ug/L			05/06/19 13:41	1
Bromochloromethane	ND		0.50	0.11	ug/L			05/06/19 13:41	1
Dichlorobromomethane	ND		0.50	0.14	ug/L			05/06/19 13:41	1
Bromoform	ND		0.50	0.13	ug/L			05/06/19 13:41	1
Bromomethane	ND		0.50	0.23	ug/L			05/06/19 13:41	1
Carbon disulfide	ND		0.50	0.15	ug/L			05/06/19 13:41	1
Carbon tetrachloride	ND		0.50	0.21	ug/L			05/06/19 13:41	1
Chlorobenzene	ND		0.50	0.12	ug/L			05/06/19 13:41	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			05/06/19 13:41	1
Chloroethane	ND		0.50	0.20	ug/L			05/06/19 13:41	1
Chloroform	ND		0.50	0.14	ug/L			05/06/19 13:41	1
Chloromethane	ND		0.50	0.17	ug/L			05/06/19 13:41	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			05/06/19 13:41	1
cis-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/06/19 13:41	1
Dibromomethane	ND		0.50	0.17	ug/L			05/06/19 13:41	1
Dichlorodifluoromethane	ND		0.50	0.15	ug/L			05/06/19 13:41	1
Ethyl ether	ND		0.50	0.12	ug/L			05/06/19 13:41	1

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Client Sample ID: BW-01
Lab Sample ID: 480-152856-7
Date Collected: 05/01/19 13:20
Matrix: Water
Date Received: 05/01/19 17:10

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.50	0.11	ug/L			05/06/19 13:41	1
Hexachlorobutadiene	ND		0.50	0.11	ug/L			05/06/19 13:41	1
Iodomethane	ND		0.50	0.15	ug/L			05/06/19 13:41	1
Isopropylbenzene	ND		0.50	0.16	ug/L			05/06/19 13:41	1
Methyl tert-butyl ether	ND		0.50	0.12	ug/L			05/06/19 13:41	1
Methylene Chloride	ND	*	2.5	0.99	ug/L			05/06/19 13:41	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			05/06/19 13:41	1
Naphthalene	ND		0.50	0.15	ug/L			05/06/19 13:41	1
n-Butylbenzene	ND		0.50	0.081	ug/L			05/06/19 13:41	1
N-Propylbenzene	ND		0.50	0.13	ug/L			05/06/19 13:41	1
o-Xylene	ND		0.50	0.12	ug/L			05/06/19 13:41	1
sec-Butylbenzene	ND		0.50	0.068	ug/L			05/06/19 13:41	1
Styrene	ND		0.50	0.13	ug/L			05/06/19 13:41	1
t-Butanol	ND		10	2.5	ug/L			05/06/19 13:41	1
tert-Butylbenzene	ND		0.50	0.060	ug/L			05/06/19 13:41	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/06/19 13:41	1
Toluene	ND		0.50	0.10	ug/L			05/06/19 13:41	1
trans-1,2-Dichloroethene	ND		0.50	0.13	ug/L			05/06/19 13:41	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/06/19 13:41	1
trans-1,4-Dichloro-2-butene	ND		2.5	1.3	ug/L			05/06/19 13:41	1
Trichloroethene	ND		0.50	0.18	ug/L			05/06/19 13:41	1
Trichlorofluoromethane	ND		0.50	0.19	ug/L			05/06/19 13:41	1
Vinyl acetate	ND		2.5	0.45	ug/L			05/06/19 13:41	1
Vinyl chloride	ND		0.50	0.18	ug/L			05/06/19 13:41	1
Xylenes, Total	ND		1.0	0.12	ug/L			05/06/19 13:41	1
Trihalomethanes, Total	ND		2.0	1.0	ug/L			05/06/19 13:41	1
Dichlorofluoromethane	ND		0.50	0.13	ug/L			05/06/19 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*80 - 120*		*05/06/19 13:41*	*1*
1,2-Dichlorobenzene-d4	*104*		*80 - 120*		*05/06/19 13:41*	*1*

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-152856-8

Date Collected: 05/01/19 00:00
Matrix: Water
Date Received: 05/01/19 17:10

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.14	ug/L			05/06/19 14:06	1
1,1,1-Trichloroethane	ND		0.50	0.21	ug/L			05/06/19 14:06	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/06/19 14:06	1
1,1,2-Trichloroethane	ND		0.50	0.17	ug/L			05/06/19 14:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.17	ug/L			05/06/19 14:06	1
1,1-Dichloroethane	ND		0.50	0.18	ug/L			05/06/19 14:06	1
1,1-Dichloroethene	ND		0.50	0.16	ug/L			05/06/19 14:06	1
1,1-Dichloropropene	ND		0.50	0.063	ug/L			05/06/19 14:06	1
1,2,3-Trichlorobenzene	ND		0.50	0.16	ug/L			05/06/19 14:06	1
1,2,3-Trichloropropane	ND		0.50	0.12	ug/L			05/06/19 14:06	1
1,2,4-Trichlorobenzene	ND		0.50	0.13	ug/L			05/06/19 14:06	1
1,2,4-Trimethylbenzene	ND		0.50	0.090	ug/L			05/06/19 14:06	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.21	ug/L			05/06/19 14:06	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			05/06/19 14:06	1
1,2-Dichlorobenzene	ND		0.50	0.16	ug/L			05/06/19 14:06	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			05/06/19 14:06	1
1,2-Dichloropropane	ND		0.50	0.11	ug/L			05/06/19 14:06	1
1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/L			05/06/19 14:06	1
1,3-Dichlorobenzene	ND		0.50	0.13	ug/L			05/06/19 14:06	1
1,3-Dichloropropane	ND		0.50	0.15	ug/L			05/06/19 14:06	1
1,4-Dichlorobenzene	ND		0.50	0.13	ug/L			05/06/19 14:06	1
2,2-Dichloropropane	ND		0.50	0.35	ug/L			05/06/19 14:06	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/06/19 14:06	1
2-Chlorotoluene	ND		0.50	0.12	ug/L			05/06/19 14:06	1
2-Hexanone	ND		5.0	1.0	ug/L			05/06/19 14:06	1
4-Chlorotoluene	ND		0.50	0.15	ug/L			05/06/19 14:06	1
4-Isopropyltoluene	ND		0.50	0.063	ug/L			05/06/19 14:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/06/19 14:06	1
Acetone	ND		5.0	1.0	ug/L			05/06/19 14:06	1
Acrylonitrile	ND		10	2.2	ug/L			05/06/19 14:06	1
Allyl chloride	ND		0.50	0.22	ug/L			05/06/19 14:06	1
Benzene	ND		0.50	0.13	ug/L			05/06/19 14:06	1
Bromobenzene	ND		0.50	0.13	ug/L			05/06/19 14:06	1
Bromochloromethane	ND		0.50	0.11	ug/L			05/06/19 14:06	1
Dichlorobromomethane	ND		0.50	0.14	ug/L			05/06/19 14:06	1
Bromoform	ND		0.50	0.13	ug/L			05/06/19 14:06	1
Bromomethane	ND		0.50	0.23	ug/L			05/06/19 14:06	1
Carbon disulfide	ND		0.50	0.15	ug/L			05/06/19 14:06	1
Carbon tetrachloride	ND		0.50	0.21	ug/L			05/06/19 14:06	1
Chlorobenzene	ND		0.50	0.12	ug/L			05/06/19 14:06	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			05/06/19 14:06	1
Chloroethane	ND		0.50	0.20	ug/L			05/06/19 14:06	1
Chloroform	ND		0.50	0.14	ug/L			05/06/19 14:06	1
Chloromethane	ND		0.50	0.17	ug/L			05/06/19 14:06	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			05/06/19 14:06	1
cis-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/06/19 14:06	1
Dibromomethane	ND		0.50	0.17	ug/L			05/06/19 14:06	1
Dichlorodifluoromethane	ND		0.50	0.15	ug/L			05/06/19 14:06	1
Ethyl ether	ND		0.50	0.12	ug/L			05/06/19 14:06	1

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-152856-8
Date Collected: 05/01/19 00:00
Matrix: Water
Date Received: 05/01/19 17:10

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.50	0.11	ug/L			05/06/19 14:06	1
Hexachlorobutadiene	ND		0.50	0.11	ug/L			05/06/19 14:06	1
Iodomethane	ND		0.50	0.15	ug/L			05/06/19 14:06	1
Isopropylbenzene	ND		0.50	0.16	ug/L			05/06/19 14:06	1
Methyl tert-butyl ether	ND		0.50	0.12	ug/L			05/06/19 14:06	1
Methylene Chloride	ND	*	2.5	0.99	ug/L			05/06/19 14:06	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			05/06/19 14:06	1
Naphthalene	ND		0.50	0.15	ug/L			05/06/19 14:06	1
n-Butylbenzene	ND		0.50	0.081	ug/L			05/06/19 14:06	1
N-Propylbenzene	ND		0.50	0.13	ug/L			05/06/19 14:06	1
o-Xylene	ND		0.50	0.12	ug/L			05/06/19 14:06	1
sec-Butylbenzene	ND		0.50	0.068	ug/L			05/06/19 14:06	1
Styrene	ND		0.50	0.13	ug/L			05/06/19 14:06	1
t-Butanol	ND		10	2.5	ug/L			05/06/19 14:06	1
tert-Butylbenzene	ND		0.50	0.060	ug/L			05/06/19 14:06	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/06/19 14:06	1
Toluene	ND		0.50	0.10	ug/L			05/06/19 14:06	1
trans-1,2-Dichloroethene	ND		0.50	0.13	ug/L			05/06/19 14:06	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/06/19 14:06	1
trans-1,4-Dichloro-2-butene	ND		2.5	1.3	ug/L			05/06/19 14:06	1
Trichloroethene	ND		0.50	0.18	ug/L			05/06/19 14:06	1
Trichlorofluoromethane	ND		0.50	0.19	ug/L			05/06/19 14:06	1
Vinyl acetate	ND		2.5	0.45	ug/L			05/06/19 14:06	1
Vinyl chloride	ND		0.50	0.18	ug/L			05/06/19 14:06	1
Xylenes, Total	ND		1.0	0.12	ug/L			05/06/19 14:06	1
Trihalomethanes, Total	ND		2.0	1.0	ug/L			05/06/19 14:06	1
Dichlorofluoromethane	ND		0.50	0.13	ug/L			05/06/19 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*80 - 120*		*05/06/19 14:06*	*1*
1,2-Dichlorobenzene-d4	*104*		*80 - 120*		*05/06/19 14:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/10/19 02:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/10/19 02:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/10/19 02:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/10/19 02:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/10/19 02:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/10/19 02:20	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/10/19 02:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/10/19 02:20	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/10/19 02:20	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/10/19 02:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/10/19 02:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/10/19 02:20	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/10/19 02:20	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/10/19 02:20	1
2-Hexanone	ND		5.0	1.2	ug/L			05/10/19 02:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/10/19 02:20	1

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-152856-8
Date Collected: 05/01/19 00:00
Matrix: Water
Date Received: 05/01/19 17:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/10/19 02:20	1
Acetone	ND		10	3.0	ug/L			05/10/19 02:20	1
Benzene	ND		1.0	0.41	ug/L			05/10/19 02:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/10/19 02:20	1
Bromoform	ND		1.0	0.26	ug/L			05/10/19 02:20	1
Bromomethane	ND		1.0	0.69	ug/L			05/10/19 02:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/10/19 02:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/10/19 02:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/10/19 02:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/10/19 02:20	1
Chloroethane	ND		1.0	0.32	ug/L			05/10/19 02:20	1
Chloroform	ND		1.0	0.34	ug/L			05/10/19 02:20	1
Chloromethane	ND		1.0	0.35	ug/L			05/10/19 02:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/10/19 02:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/10/19 02:20	1
Cyclohexane	ND		1.0	0.18	ug/L			05/10/19 02:20	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/10/19 02:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/10/19 02:20	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/10/19 02:20	1
Methyl acetate	ND		2.5	1.3	ug/L			05/10/19 02:20	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/10/19 02:20	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/10/19 02:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/10/19 02:20	1
Styrene	ND		1.0	0.73	ug/L			05/10/19 02:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/10/19 02:20	1
Toluene	ND		1.0	0.51	ug/L			05/10/19 02:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/10/19 02:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/10/19 02:20	1
Trichloroethene	ND		1.0	0.46	ug/L			05/10/19 02:20	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/10/19 02:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/10/19 02:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/10/19 02:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*05/10/19 02:20*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/10/19 02:20*	*1*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*05/10/19 02:20*	*1*
Dibromofluoromethane (Surr)	*94*		*75 - 123*		*05/10/19 02:20*	*1*

Surrogate Summary

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Method: 524.2 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB	DCZ
Lab Sample ID	Client Sample ID	(80-120)	(80-120)
480-152856-6	SW-01	89	106
480-152856-7	BW-01	87	104
480-152856-8	TRIP BLANK	86	104
LCS 480-471335/6	Lab Control Sample	94	98
LCSD 480-471335/7	Lab Control Sample Dup	97	97
LLCS 480-471335/8	Lab Control Sample	90	100
MB 480-471335/9	Method Blank	88	103

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DCZ = 1,2-Dichlorobenzene-d4

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-152856-1	MW-02	104	89	114	98
480-152856-1 MS	MW-02	109	91	108	103
480-152856-1 MSD	MW-02	104	91	110	98
480-152856-2	MW-07	113	87	115	104
480-152856-3	MW-12	112	88	115	102
480-152856-4	MW-15	115	90	114	102
480-152856-5	SPRING	112	87	116	102
480-152856-8	TRIP BLANK	96	97	89	94
LCS 480-471958/5	Lab Control Sample	106	91	113	101
LCS 480-472158/5	Lab Control Sample	94	102	95	89
LCS 480-472211/9	Lab Control Sample	104	92	151 X	97
MB 480-471958/9	Method Blank	110	89	111	102
MB 480-472158/7	Method Blank	99	97	89	93
MB 480-472211/7	Method Blank	117	92	118	104

Surrogate Legend

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

Method: 524.2 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-471335/9
Matrix: Water
Analysis Batch: 471335

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		0.50	0.14	ug/L			05/06/19 12:31	1
1,1,1-Trichloroethane	ND		0.50	0.21	ug/L			05/06/19 12:31	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.070	ug/L			05/06/19 12:31	1
1,1,2-Trichloroethane	ND		0.50	0.17	ug/L			05/06/19 12:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.17	ug/L			05/06/19 12:31	1
1,1-Dichloroethane	ND		0.50	0.18	ug/L			05/06/19 12:31	1
1,1-Dichloroethene	ND		0.50	0.16	ug/L			05/06/19 12:31	1
1,1-Dichloropropene	ND		0.50	0.063	ug/L			05/06/19 12:31	1
1,2,3-Trichlorobenzene	ND		0.50	0.16	ug/L			05/06/19 12:31	1
1,2,3-Trichloropropane	ND		0.50	0.12	ug/L			05/06/19 12:31	1
1,2,4-Trichlorobenzene	ND		0.50	0.13	ug/L			05/06/19 12:31	1
1,2,4-Trimethylbenzene	ND		0.50	0.090	ug/L			05/06/19 12:31	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.21	ug/L			05/06/19 12:31	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			05/06/19 12:31	1
1,2-Dichlorobenzene	ND		0.50	0.16	ug/L			05/06/19 12:31	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			05/06/19 12:31	1
1,2-Dichloropropane	ND		0.50	0.11	ug/L			05/06/19 12:31	1
1,3,5-Trimethylbenzene	ND		0.50	0.13	ug/L			05/06/19 12:31	1
1,3-Dichlorobenzene	ND		0.50	0.13	ug/L			05/06/19 12:31	1
1,3-Dichloropropane	ND		0.50	0.15	ug/L			05/06/19 12:31	1
1,4-Dichlorobenzene	ND		0.50	0.13	ug/L			05/06/19 12:31	1
2,2-Dichloropropane	ND		0.50	0.35	ug/L			05/06/19 12:31	1
2-Butanone (MEK)	ND		5.0	1.0	ug/L			05/06/19 12:31	1
2-Chlorotoluene	ND		0.50	0.12	ug/L			05/06/19 12:31	1
2-Hexanone	ND		5.0	1.0	ug/L			05/06/19 12:31	1
4-Chlorotoluene	ND		0.50	0.15	ug/L			05/06/19 12:31	1
4-Isopropyltoluene	ND		0.50	0.063	ug/L			05/06/19 12:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	1.0	ug/L			05/06/19 12:31	1
Acetone	ND		5.0	1.0	ug/L			05/06/19 12:31	1
Acrylonitrile	ND		10	2.2	ug/L			05/06/19 12:31	1
Allyl chloride	ND		0.50	0.22	ug/L			05/06/19 12:31	1
Benzene	ND		0.50	0.13	ug/L			05/06/19 12:31	1
Bromobenzene	ND		0.50	0.13	ug/L			05/06/19 12:31	1
Bromochloromethane	ND		0.50	0.11	ug/L			05/06/19 12:31	1
Dichlorobromomethane	ND		0.50	0.14	ug/L			05/06/19 12:31	1
Bromoform	ND		0.50	0.13	ug/L			05/06/19 12:31	1
Bromomethane	ND		0.50	0.23	ug/L			05/06/19 12:31	1
Carbon disulfide	ND		0.50	0.15	ug/L			05/06/19 12:31	1
Carbon tetrachloride	ND		0.50	0.21	ug/L			05/06/19 12:31	1
Chlorobenzene	ND		0.50	0.12	ug/L			05/06/19 12:31	1
Chlorodibromomethane	ND		0.50	0.16	ug/L			05/06/19 12:31	1
Chloroethane	ND		0.50	0.20	ug/L			05/06/19 12:31	1
Chloroform	ND		0.50	0.14	ug/L			05/06/19 12:31	1
Chloromethane	ND		0.50	0.17	ug/L			05/06/19 12:31	1
cis-1,2-Dichloroethene	ND		0.50	0.12	ug/L			05/06/19 12:31	1
cis-1,3-Dichloropropene	ND		0.50	0.080	ug/L			05/06/19 12:31	1
Dibromomethane	ND		0.50	0.17	ug/L			05/06/19 12:31	1
Dichlorodifluoromethane	ND		0.50	0.15	ug/L			05/06/19 12:31	1

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-471335/9
Matrix: Water
Analysis Batch: 471335

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethyl ether	ND		0.50	0.12	ug/L			05/06/19 12:31	1
Ethylbenzene	ND		0.50	0.11	ug/L			05/06/19 12:31	1
Hexachlorobutadiene	ND		0.50	0.11	ug/L			05/06/19 12:31	1
Iodomethane	ND		0.50	0.15	ug/L			05/06/19 12:31	1
Isopropylbenzene	ND		0.50	0.16	ug/L			05/06/19 12:31	1
Methyl tert-butyl ether	ND		0.50	0.12	ug/L			05/06/19 12:31	1
Methylene Chloride	ND		2.5	0.99	ug/L			05/06/19 12:31	1
m-Xylene & p-Xylene	ND		1.0	0.30	ug/L			05/06/19 12:31	1
Naphthalene	ND		0.50	0.15	ug/L			05/06/19 12:31	1
n-Butylbenzene	ND		0.50	0.081	ug/L			05/06/19 12:31	1
N-Propylbenzene	ND		0.50	0.13	ug/L			05/06/19 12:31	1
o-Xylene	ND		0.50	0.12	ug/L			05/06/19 12:31	1
sec-Butylbenzene	ND		0.50	0.068	ug/L			05/06/19 12:31	1
Styrene	ND		0.50	0.13	ug/L			05/06/19 12:31	1
t-Butanol	ND		10	2.5	ug/L			05/06/19 12:31	1
tert-Butylbenzene	ND		0.50	0.060	ug/L			05/06/19 12:31	1
Tetrachloroethene	ND		0.50	0.20	ug/L			05/06/19 12:31	1
Toluene	ND		0.50	0.10	ug/L			05/06/19 12:31	1
trans-1,2-Dichloroethene	ND		0.50	0.13	ug/L			05/06/19 12:31	1
trans-1,3-Dichloropropene	ND		0.50	0.10	ug/L			05/06/19 12:31	1
trans-1,4-Dichloro-2-butene	ND		2.5	1.3	ug/L			05/06/19 12:31	1
Trichloroethene	ND		0.50	0.18	ug/L			05/06/19 12:31	1
Trichlorofluoromethane	ND		0.50	0.19	ug/L			05/06/19 12:31	1
Vinyl acetate	ND		2.5	0.45	ug/L			05/06/19 12:31	1
Vinyl chloride	ND		0.50	0.18	ug/L			05/06/19 12:31	1
Xylenes, Total	ND		1.0	0.12	ug/L			05/06/19 12:31	1
Trihalomethanes, Total	ND		2.0	1.0	ug/L			05/06/19 12:31	1
Dichlorofluoromethane	ND		0.50	0.13	ug/L			05/06/19 12:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*80 - 120*		*05/06/19 12:31*	*1*
1,2-Dichlorobenzene-d4	*103*		*80 - 120*		*05/06/19 12:31*	*1*

Lab Sample ID: LCS 480-471335/6
Matrix: Water
Analysis Batch: 471335

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	4.00	4.41		ug/L		110	70 - 130
1,1,1-Trichloroethane	4.00	4.08		ug/L		102	70 - 130
1,1,2,2-Tetrachloroethane	4.00	3.78		ug/L		95	70 - 130
1,1,2-Trichloroethane	4.00	3.97		ug/L		99	70 - 130
1,1-Dichloroethane	4.00	3.67		ug/L		92	70 - 130
1,1-Dichloroethene	4.00	3.73		ug/L		93	70 - 130
1,1-Dichloropropene	4.00	3.57		ug/L		89	70 - 130
1,2,3-Trichlorobenzene	4.00	3.74		ug/L		93	70 - 130
1,2,3-Trichloropropane	4.00	3.84		ug/L		96	70 - 130
1,2,4-Trichlorobenzene	4.00	3.45		ug/L		86	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-471335/6
Matrix: Water
Analysis Batch: 471335

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	4.00	3.53		ug/L		88	70 - 130
1,2-Dibromo-3-Chloropropane	4.00	4.54		ug/L		114	70 - 130
1,2-Dibromoethane	4.00	3.89		ug/L		97	70 - 130
1,2-Dichlorobenzene	4.00	3.71		ug/L		93	70 - 130
1,2-Dichloroethane	4.00	3.73		ug/L		93	70 - 130
1,2-Dichloropropane	4.00	3.71		ug/L		93	70 - 130
1,3,5-Trimethylbenzene	4.00	3.39		ug/L		85	70 - 130
1,3-Dichlorobenzene	4.00	3.84		ug/L		96	70 - 130
1,3-Dichloropropane	4.00	3.76		ug/L		94	70 - 130
1,4-Dichlorobenzene	4.00	3.81		ug/L		95	70 - 130
2,2-Dichloropropane	4.00	3.65		ug/L		91	70 - 130
2-Butanone (MEK)	20.0	18.6		ug/L		93	70 - 130
2-Chlorotoluene	4.00	3.44		ug/L		86	70 - 130
2-Hexanone	20.0	19.0		ug/L		95	70 - 130
4-Chlorotoluene	4.00	3.47		ug/L		87	70 - 130
4-Isopropyltoluene	4.00	3.41		ug/L		85	70 - 130
4-Methyl-2-pentanone (MIBK)	20.0	17.6		ug/L		88	70 - 130
Acetone	20.0	19.7		ug/L		98	70 - 130
Benzene	4.00	3.66		ug/L		91	70 - 130
Bromobenzene	4.00	3.66		ug/L		91	70 - 130
Bromochloromethane	4.00	3.94		ug/L		98	70 - 130
Dichlorobromomethane	4.00	4.19		ug/L		105	70 - 130
Bromoform	4.00	5.07		ug/L		127	70 - 130
Bromomethane	4.00	3.98		ug/L		100	70 - 130
Carbon disulfide	4.00	3.70		ug/L		92	70 - 130
Carbon tetrachloride	4.00	4.86		ug/L		121	70 - 130
Chlorobenzene	4.00	3.73		ug/L		93	70 - 130
Chlorodibromomethane	4.00	4.72		ug/L		118	70 - 130
Chloroethane	4.00	3.92		ug/L		98	70 - 130
Chloroform	4.00	3.76		ug/L		94	70 - 130
Chloromethane	4.00	3.87		ug/L		97	70 - 130
cis-1,2-Dichloroethene	4.00	3.66		ug/L		91	70 - 130
cis-1,3-Dichloropropene	4.00	3.70		ug/L		92	70 - 130
Dibromomethane	4.00	3.84		ug/L		96	70 - 130
Dichlorodifluoromethane	4.00	3.88		ug/L		97	70 - 130
Ethylbenzene	4.00	3.56		ug/L		89	70 - 130
Hexachlorobutadiene	4.00	3.97		ug/L		99	70 - 130
Isopropylbenzene	4.00	3.58		ug/L		90	70 - 130
Methyl tert-butyl ether	4.00	3.72		ug/L		93	70 - 130
Methylene Chloride	4.00	4.22		ug/L		105	70 - 130
Naphthalene	4.00	3.35		ug/L		84	70 - 130
n-Butylbenzene	4.00	3.33		ug/L		83	70 - 130
N-Propylbenzene	4.00	3.36		ug/L		84	70 - 130
sec-Butylbenzene	4.00	3.36		ug/L		84	70 - 130
Styrene	4.00	3.52		ug/L		88	70 - 130
tert-Butylbenzene	4.00	3.26		ug/L		82	70 - 130
Tetrachloroethene	4.00	3.97		ug/L		99	70 - 130
Toluene	4.00	3.58		ug/L		89	70 - 130
trans-1,2-Dichloroethene	4.00	3.89		ug/L		97	70 - 130

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-471335/6
Matrix: Water
Analysis Batch: 471335

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	4.00	3.54		ug/L		88	70 - 130
Trichloroethene	4.00	3.73		ug/L		93	70 - 130
Trichlorofluoromethane	4.00	4.16		ug/L		104	70 - 130
Vinyl chloride	4.00	3.96		ug/L		99	70 - 130
Xylenes, Total	8.00	6.97		ug/L		87	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*
1,2-Dichlorobenzene-d4	*98*		*80 - 120*

Lab Sample ID: LCSD 480-471335/7
Matrix: Water
Analysis Batch: 471335

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	4.00	4.54		ug/L		113	70 - 130	3	20
1,1,1-Trichloroethane	4.00	4.19		ug/L		105	70 - 130	3	20
1,1,2,2-Tetrachloroethane	4.00	3.80		ug/L		95	70 - 130	1	20
1,1,2-Trichloroethane	4.00	4.00		ug/L		100	70 - 130	1	20
1,1-Dichloroethane	4.00	3.74		ug/L		93	70 - 130	2	20
1,1-Dichloroethene	4.00	3.93		ug/L		98	70 - 130	5	20
1,1-Dichloropropene	4.00	3.62		ug/L		91	70 - 130	2	20
1,2,3-Trichlorobenzene	4.00	3.63		ug/L		91	70 - 130	3	20
1,2,3-Trichloropropane	4.00	3.89		ug/L		97	70 - 130	1	20
1,2,4-Trichlorobenzene	4.00	3.42		ug/L		85	70 - 130	1	20
1,2,4-Trimethylbenzene	4.00	3.50		ug/L		88	70 - 130	1	20
1,2-Dibromo-3-Chloropropane	4.00	4.13		ug/L		103	70 - 130	9	20
1,2-Dibromoethane	4.00	4.02		ug/L		101	70 - 130	3	20
1,2-Dichlorobenzene	4.00	3.73		ug/L		93	70 - 130	0	20
1,2-Dichloroethane	4.00	3.76		ug/L		94	70 - 130	1	20
1,2-Dichloropropane	4.00	3.75		ug/L		94	70 - 130	1	20
1,3,5-Trimethylbenzene	4.00	3.43		ug/L		86	70 - 130	1	20
1,3-Dichlorobenzene	4.00	3.81		ug/L		95	70 - 130	1	20
1,3-Dichloropropane	4.00	3.91		ug/L		98	70 - 130	4	20
1,4-Dichlorobenzene	4.00	3.82		ug/L		95	70 - 130	0	20
2,2-Dichloropropane	4.00	3.86		ug/L		97	70 - 130	6	20
2-Butanone (MEK)	20.0	19.0		ug/L		95	70 - 130	2	20
2-Chlorotoluene	4.00	3.43		ug/L		86	70 - 130	0	20
2-Hexanone	20.0	19.0		ug/L		95	70 - 130	0	20
4-Chlorotoluene	4.00	3.45		ug/L		86	70 - 130	0	20
4-Isopropyltoluene	4.00	3.49		ug/L		87	70 - 130	2	20
4-Methyl-2-pentanone (MIBK)	20.0	17.6		ug/L		88	70 - 130	0	20
Acetone	20.0	19.8		ug/L		99	70 - 130	1	20
Benzene	4.00	3.82		ug/L		95	70 - 130	4	20
Bromobenzene	4.00	3.63		ug/L		91	70 - 130	1	20
Bromochloromethane	4.00	4.00		ug/L		100	70 - 130	2	20
Dichlorobromomethane	4.00	4.25		ug/L		106	70 - 130	1	20
Bromoform	4.00	5.06		ug/L		126	70 - 130	0	20

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-471335/7
Matrix: Water
Analysis Batch: 471335

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromomethane	4.00	4.07		ug/L		102	70 - 130	2	20
Carbon disulfide	4.00	3.77		ug/L		94	70 - 130	2	20
Carbon tetrachloride	4.00	5.04		ug/L		126	70 - 130	4	20
Chlorobenzene	4.00	3.95		ug/L		99	70 - 130	6	20
Chlorodibromomethane	4.00	4.70		ug/L		117	70 - 130	0	20
Chloroethane	4.00	3.94		ug/L		98	70 - 130	1	20
Chloroform	4.00	3.79		ug/L		95	70 - 130	1	20
Chloromethane	4.00	4.04		ug/L		101	70 - 130	4	20
cis-1,2-Dichloroethene	4.00	3.83		ug/L		96	70 - 130	4	20
cis-1,3-Dichloropropene	4.00	3.62		ug/L		91	70 - 130	2	20
Dibromomethane	4.00	3.83		ug/L		96	70 - 130	0	20
Dichlorodifluoromethane	4.00	3.88		ug/L		97	70 - 130	0	20
Ethylbenzene	4.00	3.72		ug/L		93	70 - 130	5	20
Hexachlorobutadiene	4.00	3.92		ug/L		98	70 - 130	1	20
Isopropylbenzene	4.00	3.74		ug/L		93	70 - 130	4	20
Methyl tert-butyl ether	4.00	3.71		ug/L		93	70 - 130	0	20
Methylene Chloride	4.00	4.42		ug/L		111	70 - 130	5	20
Naphthalene	4.00	3.32		ug/L		83	70 - 130	1	20
n-Butylbenzene	4.00	3.30		ug/L		82	70 - 130	1	20
N-Propylbenzene	4.00	3.39		ug/L		85	70 - 130	1	20
sec-Butylbenzene	4.00	3.45		ug/L		86	70 - 130	3	20
Styrene	4.00	3.67		ug/L		92	70 - 130	4	20
tert-Butylbenzene	4.00	3.28		ug/L		82	70 - 130	0	20
Tetrachloroethene	4.00	4.08		ug/L		102	70 - 130	3	20
Toluene	4.00	3.67		ug/L		92	70 - 130	2	20
trans-1,2-Dichloroethene	4.00	3.98		ug/L		100	70 - 130	2	20
trans-1,3-Dichloropropene	4.00	3.49		ug/L		87	70 - 130	1	20
Trichloroethene	4.00	3.77		ug/L		94	70 - 130	1	20
Trichlorofluoromethane	4.00	4.23		ug/L		106	70 - 130	2	20
Vinyl chloride	4.00	3.94		ug/L		99	70 - 130	0	20
Xylenes, Total	8.00	7.39		ug/L		92	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*
1,2-Dichlorobenzene-d4	*97*		*80 - 120*

Lab Sample ID: LLCS 480-471335/8
Matrix: Water
Analysis Batch: 471335

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	0.500	0.599		ug/L		120	50 - 150
1,1,1-Trichloroethane	0.500	0.527		ug/L		105	50 - 150
1,1,2,2-Tetrachloroethane	0.500	0.506		ug/L		101	50 - 150
1,1,2-Trichloroethane	0.500	0.478	J	ug/L		96	50 - 150
1,1-Dichloroethane	0.500	0.490	J	ug/L		98	50 - 150
1,1-Dichloroethene	0.500	0.509		ug/L		102	50 - 150
1,1-Dichloropropene	0.500	0.435	J	ug/L		87	50 - 150

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 480-471335/8
Matrix: Water
Analysis Batch: 471335

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichlorobenzene	0.500	0.464	J	ug/L		93	50 - 150
1,2,3-Trichloropropane	0.500	0.464	J	ug/L		93	50 - 150
1,2,4-Trichlorobenzene	0.500	0.434	J	ug/L		87	50 - 150
1,2,4-Trimethylbenzene	0.500	0.387	J	ug/L		77	50 - 150
1,2-Dibromo-3-Chloropropane	0.500	0.528		ug/L		106	50 - 150
1,2-Dibromoethane	0.500	0.513		ug/L		103	50 - 150
1,2-Dichlorobenzene	0.500	0.492	J	ug/L		98	50 - 150
1,2-Dichloroethane	0.500	0.503		ug/L		101	50 - 150
1,2-Dichloropropane	0.500	0.455	J	ug/L		91	50 - 150
1,3,5-Trimethylbenzene	0.500	0.375	J	ug/L		75	50 - 150
1,3-Dichlorobenzene	0.500	0.465	J	ug/L		93	50 - 150
1,3-Dichloropropane	0.500	0.478	J	ug/L		96	50 - 150
1,4-Dichlorobenzene	0.500	0.473	J	ug/L		95	50 - 150
2,2-Dichloropropane	0.500	0.544		ug/L		109	50 - 150
2-Butanone (MEK)	2.50	2.37	J	ug/L		95	50 - 150
2-Chlorotoluene	0.500	0.422	J	ug/L		84	50 - 150
2-Hexanone	2.50	2.09	J	ug/L		84	50 - 150
4-Chlorotoluene	0.500	0.409	J	ug/L		82	50 - 150
4-Isopropyltoluene	0.500	0.360	J	ug/L		72	50 - 150
4-Methyl-2-pentanone (MIBK)	2.50	2.07	J	ug/L		83	50 - 150
Acetone	2.50	3.59	J	ug/L		144	50 - 150
Benzene	0.500	0.508		ug/L		102	50 - 150
Bromobenzene	0.500	0.450	J	ug/L		90	50 - 150
Bromochloromethane	0.500	0.486	J	ug/L		97	50 - 150
Dichlorobromomethane	0.500	0.554		ug/L		111	50 - 150
Bromoform	0.500	0.630		ug/L		126	50 - 150
Bromomethane	0.500	0.525		ug/L		105	50 - 150
Carbon disulfide	0.500	0.488	J	ug/L		98	50 - 150
Carbon tetrachloride	0.500	0.604		ug/L		121	50 - 150
Chlorobenzene	0.500	0.496	J	ug/L		99	50 - 150
Chlorodibromomethane	0.500	0.558		ug/L		112	50 - 150
Chloroethane	0.500	0.540		ug/L		108	50 - 150
Chloroform	0.500	0.498	J	ug/L		100	50 - 150
Chloromethane	0.500	0.649		ug/L		130	50 - 150
cis-1,2-Dichloroethene	0.500	0.501		ug/L		100	50 - 150
cis-1,3-Dichloropropene	0.500	0.415	J	ug/L		83	50 - 150
Dibromomethane	0.500	0.477	J	ug/L		95	50 - 150
Dichlorodifluoromethane	0.500	0.493	J	ug/L		99	50 - 150
Ethylbenzene	0.500	0.415	J	ug/L		83	50 - 150
Hexachlorobutadiene	0.500	0.516		ug/L		103	50 - 150
Isopropylbenzene	0.500	0.391	J	ug/L		78	50 - 150
Methyl tert-butyl ether	0.500	0.482	J	ug/L		96	50 - 150
Methylene Chloride	0.500	1.05	J *	ug/L		210	50 - 150
Naphthalene	0.500	0.391	J	ug/L		78	50 - 150
n-Butylbenzene	0.500	0.388	J	ug/L		78	50 - 150
N-Propylbenzene	0.500	0.398	J	ug/L		80	50 - 150
sec-Butylbenzene	0.500	0.376	J	ug/L		75	50 - 150
Styrene	0.500	0.387	J	ug/L		77	50 - 150
tert-Butylbenzene	0.500	0.391	J	ug/L		78	50 - 150

Method: 524.2 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LLCS 480-471335/8
Matrix: Water
Analysis Batch: 471335

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

Analyte	Spike Added	LLCS Result	LLCS Qualifier	Unit	D	%Rec	%Rec. Limits
Tetrachloroethene	0.500	0.519		ug/L		104	50 - 150
Toluene	0.500	0.439	J	ug/L		88	50 - 150
trans-1,2-Dichloroethene	0.500	0.514		ug/L		103	50 - 150
trans-1,3-Dichloropropene	0.500	0.399	J	ug/L		80	50 - 150
Trichloroethene	0.500	0.509		ug/L		102	50 - 150
Trichlorofluoromethane	0.500	0.543		ug/L		109	50 - 150
Vinyl chloride	0.500	0.571		ug/L		114	50 - 150
Xylenes, Total	1.00	0.829	J	ug/L		83	50 - 150

Surrogate	*LLCS %Recovery*	*LLCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*80 - 120*
1,2-Dichlorobenzene-d4	*100*		*80 - 120*

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

Lab Sample ID: MB 480-471958/9
Matrix: Water
Analysis Batch: 471958

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/09/19 12:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/09/19 12:10	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/09/19 12:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/09/19 12:10	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/09/19 12:10	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/09/19 12:10	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/09/19 12:10	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/09/19 12:10	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/09/19 12:10	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/09/19 12:10	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/09/19 12:10	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/09/19 12:10	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/09/19 12:10	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/09/19 12:10	1
2-Hexanone	ND		5.0	1.2	ug/L			05/09/19 12:10	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/09/19 12:10	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/09/19 12:10	1
Acetone	ND		10	3.0	ug/L			05/09/19 12:10	1
Benzene	ND		1.0	0.41	ug/L			05/09/19 12:10	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/09/19 12:10	1
Bromoform	ND		1.0	0.26	ug/L			05/09/19 12:10	1
Bromomethane	ND		1.0	0.69	ug/L			05/09/19 12:10	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/09/19 12:10	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/09/19 12:10	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/09/19 12:10	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/09/19 12:10	1
Chloroethane	ND		1.0	0.32	ug/L			05/09/19 12:10	1
Chloroform	ND		1.0	0.34	ug/L			05/09/19 12:10	1
Chloromethane	ND		1.0	0.35	ug/L			05/09/19 12:10	1

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

Lab Sample ID: MB 480-471958/9
Matrix: Water
Analysis Batch: 471958

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/09/19 12:10	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/09/19 12:10	1
Cyclohexane	ND		1.0	0.18	ug/L			05/09/19 12:10	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/09/19 12:10	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/09/19 12:10	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/09/19 12:10	1
Methyl acetate	ND		2.5	1.3	ug/L			05/09/19 12:10	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/09/19 12:10	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/09/19 12:10	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/09/19 12:10	1
Styrene	ND		1.0	0.73	ug/L			05/09/19 12:10	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/09/19 12:10	1
Toluene	ND		1.0	0.51	ug/L			05/09/19 12:10	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/09/19 12:10	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/09/19 12:10	1
Trichloroethene	ND		1.0	0.46	ug/L			05/09/19 12:10	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/09/19 12:10	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/09/19 12:10	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/09/19 12:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*05/09/19 12:10*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*05/09/19 12:10*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*05/09/19 12:10*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*05/09/19 12:10*	*1*

Lab Sample ID: LCS 480-471958/5
Matrix: Water
Analysis Batch: 471958

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	31.2		ug/L		125	73 - 126
1,1,2,2-Tetrachloroethane	25.0	20.0		ug/L		80	76 - 120
1,1,2-Trichloroethane	25.0	21.5		ug/L		86	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	29.0		ug/L		116	61 - 148
1,1-Dichloroethane	25.0	27.0		ug/L		108	77 - 120
1,1-Dichloroethene	25.0	26.6		ug/L		106	66 - 127
1,2,4-Trichlorobenzene	25.0	28.4		ug/L		113	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	26.8		ug/L		107	56 - 134
1,2-Dibromoethane	25.0	23.4		ug/L		93	77 - 120
1,2-Dichlorobenzene	25.0	24.4		ug/L		97	80 - 124
1,2-Dichloroethane	25.0	25.9		ug/L		103	75 - 120
1,2-Dichloropropane	25.0	25.0		ug/L		100	76 - 120
1,3-Dichlorobenzene	25.0	24.6		ug/L		98	77 - 120
1,4-Dichlorobenzene	25.0	24.3		ug/L		97	80 - 120
2-Hexanone	125	111		ug/L		88	65 - 127
2-Butanone (MEK)	125	106		ug/L		85	57 - 140
4-Methyl-2-pentanone (MIBK)	125	119		ug/L		96	71 - 125

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

Lab Sample ID: LCS 480-471958/5
Matrix: Water
Analysis Batch: 471958

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	125	128		ug/L		102	56 - 142
Benzene	25.0	24.3		ug/L		97	71 - 124
Bromodichloromethane	25.0	27.3		ug/L		109	80 - 122
Bromoform	25.0	34.2	*	ug/L		137	61 - 132
Bromomethane	25.0	22.0		ug/L		88	55 - 144
Carbon disulfide	25.0	28.2		ug/L		113	59 - 134
Carbon tetrachloride	25.0	32.0		ug/L		128	72 - 134
Chlorobenzene	25.0	23.0		ug/L		92	80 - 120
Dibromochloromethane	25.0	26.3		ug/L		105	75 - 125
Chloroethane	25.0	25.9		ug/L		104	69 - 136
Chloroform	25.0	25.4		ug/L		102	73 - 127
Chloromethane	25.0	25.7		ug/L		103	68 - 124
cis-1,2-Dichloroethene	25.0	25.3		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	24.9		ug/L		100	74 - 124
Cyclohexane	25.0	29.6		ug/L		119	59 - 135
Dichlorodifluoromethane	25.0	32.2		ug/L		129	59 - 135
Ethylbenzene	25.0	25.1		ug/L		100	77 - 123
Isopropylbenzene	25.0	25.1		ug/L		101	77 - 122
Methyl acetate	50.0	42.6		ug/L		85	74 - 133
Methyl tert-butyl ether	25.0	26.7		ug/L		107	77 - 120
Methylcyclohexane	25.0	26.3		ug/L		105	68 - 134
Methylene Chloride	25.0	25.6		ug/L		102	75 - 124
Styrene	25.0	24.7		ug/L		99	80 - 120
Tetrachloroethene	25.0	26.0		ug/L		104	74 - 122
Toluene	25.0	23.8		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	24.6		ug/L		98	73 - 127
trans-1,3-Dichloropropene	25.0	25.5		ug/L		102	80 - 120
Trichloroethene	25.0	26.0		ug/L		104	74 - 123
Trichlorofluoromethane	25.0	29.4		ug/L		118	62 - 150
Vinyl chloride	25.0	25.7		ug/L		103	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*
Toluene-d8 (Surr)	*91*		*80 - 120*
4-Bromofluorobenzene (Surr)	*113*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

Lab Sample ID: 480-152856-1 MS
Matrix: Water
Analysis Batch: 471958

Client Sample ID: MW-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND	F1	250	318	F1	ug/L		127	73 - 126
1,1,2,2-Tetrachloroethane	ND		250	200		ug/L		80	76 - 120
1,1,2-Trichloroethane	ND		250	212		ug/L		85	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		250	291		ug/L		116	61 - 148
1,1-Dichloroethane	ND		250	260		ug/L		104	77 - 120
1,1-Dichloroethene	ND		250	263		ug/L		105	66 - 127

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

Lab Sample ID: 480-152856-1 MS
Matrix: Water
Analysis Batch: 471958

Client Sample ID: MW-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	ND		250	284		ug/L		113	79 - 122
1,2-Dibromo-3-Chloropropane	ND		250	280		ug/L		112	56 - 134
1,2-Dibromoethane	ND		250	218		ug/L		87	77 - 120
1,2-Dichlorobenzene	ND		250	248		ug/L		99	80 - 124
1,2-Dichloroethane	ND		250	266		ug/L		106	75 - 120
1,2-Dichloropropane	ND		250	243		ug/L		97	76 - 120
1,3-Dichlorobenzene	ND		250	248		ug/L		99	77 - 120
1,4-Dichlorobenzene	ND		250	242		ug/L		97	78 - 124
2-Hexanone	ND		1250	1020		ug/L		82	65 - 127
2-Butanone (MEK)	ND		1250	966		ug/L		77	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		1250	1180		ug/L		95	71 - 125
Acetone	ND		1250	1040		ug/L		84	56 - 142
Benzene	ND		250	241		ug/L		96	71 - 124
Bromodichloromethane	ND		250	270		ug/L		108	80 - 122
Bromoform	ND	*	250	309		ug/L		123	61 - 132
Bromomethane	ND		250	228		ug/L		91	55 - 144
Carbon disulfide	ND		250	255		ug/L		102	59 - 134
Carbon tetrachloride	ND		250	331		ug/L		132	72 - 134
Chlorobenzene	ND		250	226		ug/L		91	80 - 120
Dibromochloromethane	ND		250	243		ug/L		97	75 - 125
Chloroethane	ND		250	259		ug/L		104	69 - 136
Chloroform	ND		250	255		ug/L		102	73 - 127
Chloromethane	ND		250	265		ug/L		106	68 - 124
cis-1,2-Dichloroethene	410	F1	250	624		ug/L		84	74 - 124
cis-1,3-Dichloropropene	ND		250	237		ug/L		95	74 - 124
Cyclohexane	ND		250	295		ug/L		118	59 - 135
Dichlorodifluoromethane	ND	F1	250	352	F1	ug/L		141	59 - 135
Ethylbenzene	ND		250	246		ug/L		98	77 - 123
Isopropylbenzene	ND		250	251		ug/L		101	77 - 122
Methyl acetate	ND		500	422		ug/L		84	74 - 133
Methyl tert-butyl ether	ND		250	256		ug/L		103	77 - 120
Methylcyclohexane	ND		250	258		ug/L		103	68 - 134
Methylene Chloride	ND		250	254		ug/L		102	75 - 124
Styrene	ND		250	241		ug/L		96	80 - 120
Tetrachloroethene	230		250	467		ug/L		95	74 - 122
Toluene	ND		250	239		ug/L		96	80 - 122
trans-1,2-Dichloroethene	ND		250	258		ug/L		103	73 - 127
trans-1,3-Dichloropropene	ND		250	237		ug/L		95	80 - 120
Trichloroethene	360		250	574		ug/L		87	74 - 123
Trichlorofluoromethane	ND		250	333		ug/L		133	62 - 150
Vinyl chloride	ND		250	289		ug/L		116	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*
Toluene-d8 (Surr)	*91*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

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

Lab Sample ID: 480-152856-1 MSD
Matrix: Water
Analysis Batch: 471958

Client Sample ID: MW-02
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND	F1	250	301		ug/L		120	73 - 126	6	15
1,1,2,2-Tetrachloroethane	ND		250	206		ug/L		82	76 - 120	3	15
1,1,2-Trichloroethane	ND		250	218		ug/L		87	76 - 122	3	15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		250	268		ug/L		107	61 - 148	8	20
1,1-Dichloroethane	ND		250	246		ug/L		99	77 - 120	5	20
1,1-Dichloroethene	ND		250	245		ug/L		98	66 - 127	7	16
1,2,4-Trichlorobenzene	ND		250	289		ug/L		115	79 - 122	2	20
1,2-Dibromo-3-Chloropropane	ND		250	272		ug/L		109	56 - 134	3	15
1,2-Dibromoethane	ND		250	227		ug/L		91	77 - 120	4	15
1,2-Dichlorobenzene	ND		250	247		ug/L		99	80 - 124	1	20
1,2-Dichloroethane	ND		250	247		ug/L		99	75 - 120	7	20
1,2-Dichloropropane	ND		250	230		ug/L		92	76 - 120	6	20
1,3-Dichlorobenzene	ND		250	241		ug/L		97	77 - 120	3	20
1,4-Dichlorobenzene	ND		250	242		ug/L		97	78 - 124	0	20
2-Hexanone	ND		1250	1050		ug/L		84	65 - 127	3	15
2-Butanone (MEK)	ND		1250	922		ug/L		74	57 - 140	5	20
4-Methyl-2-pentanone (MIBK)	ND		1250	1180		ug/L		94	71 - 125	0	35
Acetone	ND		1250	999		ug/L		80	56 - 142	4	15
Benzene	ND		250	227		ug/L		91	71 - 124	6	13
Bromodichloromethane	ND		250	254		ug/L		102	80 - 122	6	15
Bromoform	ND	*	250	306		ug/L		122	61 - 132	1	15
Bromomethane	ND		250	211		ug/L		85	55 - 144	8	15
Carbon disulfide	ND		250	232		ug/L		93	59 - 134	9	15
Carbon tetrachloride	ND		250	298		ug/L		119	72 - 134	10	15
Chlorobenzene	ND		250	225		ug/L		90	80 - 120	1	25
Dibromochloromethane	ND		250	249		ug/L		100	75 - 125	3	15
Chloroethane	ND		250	233		ug/L		93	69 - 136	11	15
Chloroform	ND		250	236		ug/L		94	73 - 127	8	20
Chloromethane	ND		250	244		ug/L		98	68 - 124	9	15
cis-1,2-Dichloroethene	410	F1	250	562	F1	ug/L		59	74 - 124	10	15
cis-1,3-Dichloropropene	ND		250	215		ug/L		86	74 - 124	10	15
Cyclohexane	ND		250	268		ug/L		107	59 - 135	9	20
Dichlorodifluoromethane	ND	F1	250	322		ug/L		129	59 - 135	9	20
Ethylbenzene	ND		250	251		ug/L		100	77 - 123	2	15
Isopropylbenzene	ND		250	258		ug/L		103	77 - 122	2	20
Methyl acetate	ND		500	400		ug/L		80	74 - 133	5	20
Methyl tert-butyl ether	ND		250	251		ug/L		100	77 - 120	2	37
Methylcyclohexane	ND		250	242		ug/L		97	68 - 134	7	20
Methylene Chloride	ND		250	240		ug/L		96	75 - 124	6	15
Styrene	ND		250	239		ug/L		96	80 - 120	1	20
Tetrachloroethene	230		250	465		ug/L		94	74 - 122	0	20
Toluene	ND		250	237		ug/L		95	80 - 122	1	15
trans-1,2-Dichloroethene	ND		250	235		ug/L		94	73 - 127	9	20
trans-1,3-Dichloropropene	ND		250	241		ug/L		96	80 - 120	2	15
Trichloroethene	360		250	542		ug/L		75	74 - 123	6	16
Trichlorofluoromethane	ND		250	309		ug/L		123	62 - 150	8	20
Vinyl chloride	ND		250	262		ug/L		105	65 - 133	10	15

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

Lab Sample ID: 480-152856-1 MSD
Matrix: Water
Analysis Batch: 471958

Client Sample ID: MW-02
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
Toluene-d8 (Surr)	*91*		*80 - 120*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

Lab Sample ID: MB 480-472158/7
Matrix: Water
Analysis Batch: 472158

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/09/19 21:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/09/19 21:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/09/19 21:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/09/19 21:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/09/19 21:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/09/19 21:25	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/09/19 21:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/09/19 21:25	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/09/19 21:25	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/09/19 21:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/09/19 21:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/09/19 21:25	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/09/19 21:25	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/09/19 21:25	1
2-Hexanone	ND		5.0	1.2	ug/L			05/09/19 21:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			05/09/19 21:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/09/19 21:25	1
Acetone	ND		10	3.0	ug/L			05/09/19 21:25	1
Benzene	ND		1.0	0.41	ug/L			05/09/19 21:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/09/19 21:25	1
Bromoform	ND		1.0	0.26	ug/L			05/09/19 21:25	1
Bromomethane	ND		1.0	0.69	ug/L			05/09/19 21:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/09/19 21:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/09/19 21:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/09/19 21:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/09/19 21:25	1
Chloroethane	ND		1.0	0.32	ug/L			05/09/19 21:25	1
Chloroform	ND		1.0	0.34	ug/L			05/09/19 21:25	1
Chloromethane	ND		1.0	0.35	ug/L			05/09/19 21:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/09/19 21:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/09/19 21:25	1
Cyclohexane	ND		1.0	0.18	ug/L			05/09/19 21:25	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/09/19 21:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/09/19 21:25	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/09/19 21:25	1
Methyl acetate	ND		2.5	1.3	ug/L			05/09/19 21:25	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/09/19 21:25	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/09/19 21:25	1

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

Lab Sample ID: MB 480-472158/7
Matrix: Water
Analysis Batch: 472158

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.44	ug/L			05/09/19 21:25	1
Styrene	ND		1.0	0.73	ug/L			05/09/19 21:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/09/19 21:25	1
Toluene	ND		1.0	0.51	ug/L			05/09/19 21:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/09/19 21:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/09/19 21:25	1
Trichloroethene	ND		1.0	0.46	ug/L			05/09/19 21:25	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/09/19 21:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/09/19 21:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/09/19 21:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*05/09/19 21:25*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*05/09/19 21:25*	*1*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*05/09/19 21:25*	*1*
Dibromofluoromethane (Surr)	*93*		*75 - 123*		*05/09/19 21:25*	*1*

Lab Sample ID: LCS 480-472158/5
Matrix: Water
Analysis Batch: 472158

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	22.5		ug/L		90	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.2		ug/L		97	76 - 120
1,1,2-Trichloroethane	25.0	25.2		ug/L		101	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	25.1		ug/L		100	61 - 148
1,1-Dichloroethane	25.0	22.5		ug/L		90	77 - 120
1,1-Dichloroethene	25.0	22.5		ug/L		90	66 - 127
1,2,4-Trichlorobenzene	25.0	21.6		ug/L		86	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	22.7		ug/L		91	56 - 134
1,2-Dibromoethane	25.0	23.9		ug/L		95	77 - 120
1,2-Dichlorobenzene	25.0	21.9		ug/L		88	80 - 124
1,2-Dichloroethane	25.0	20.3		ug/L		81	75 - 120
1,2-Dichloropropane	25.0	27.0		ug/L		108	76 - 120
1,3-Dichlorobenzene	25.0	23.2		ug/L		93	77 - 120
1,4-Dichlorobenzene	25.0	22.7		ug/L		91	80 - 120
2-Hexanone	125	139		ug/L		111	65 - 127
2-Butanone (MEK)	125	123		ug/L		98	57 - 140
4-Methyl-2-pentanone (MIBK)	125	117		ug/L		94	71 - 125
Acetone	125	129		ug/L		103	56 - 142
Benzene	25.0	24.4		ug/L		97	71 - 124
Bromodichloromethane	25.0	23.9		ug/L		96	80 - 122
Bromoform	25.0	25.3		ug/L		101	61 - 132
Bromomethane	25.0	22.9		ug/L		92	55 - 144
Carbon disulfide	25.0	23.6		ug/L		94	59 - 134
Carbon tetrachloride	25.0	22.8		ug/L		91	72 - 134
Chlorobenzene	25.0	23.9		ug/L		96	80 - 120
Dibromochloromethane	25.0	25.1		ug/L		100	75 - 125

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

Lab Sample ID: LCS 480-472158/5
Matrix: Water
Analysis Batch: 472158

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	25.0	23.9		ug/L		96	69 - 136
Chloroform	25.0	21.1		ug/L		84	73 - 127
Chloromethane	25.0	24.5		ug/L		98	68 - 124
cis-1,2-Dichloroethene	25.0	21.0		ug/L		84	74 - 124
cis-1,3-Dichloropropene	25.0	25.9		ug/L		104	74 - 124
Cyclohexane	25.0	25.5		ug/L		102	59 - 135
Dichlorodifluoromethane	25.0	26.1		ug/L		104	59 - 135
Ethylbenzene	25.0	23.9		ug/L		96	77 - 123
Isopropylbenzene	25.0	23.0		ug/L		92	77 - 122
Methyl acetate	50.0	42.7		ug/L		85	74 - 133
Methyl tert-butyl ether	25.0	19.8		ug/L		79	77 - 120
Methylcyclohexane	25.0	24.8		ug/L		99	68 - 134
Methylene Chloride	25.0	23.5		ug/L		94	75 - 124
Styrene	25.0	23.8		ug/L		95	80 - 120
Tetrachloroethene	25.0	23.2		ug/L		93	74 - 122
Toluene	25.0	25.2		ug/L		101	80 - 122
trans-1,2-Dichloroethene	25.0	21.9		ug/L		88	73 - 127
trans-1,3-Dichloropropene	25.0	26.5		ug/L		106	80 - 120
Trichloroethene	25.0	23.3		ug/L		93	74 - 123
Trichlorofluoromethane	25.0	24.3		ug/L		97	62 - 150
Vinyl chloride	25.0	26.0		ug/L		104	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*89*		*75 - 123*

Lab Sample ID: MB 480-472211/7
Matrix: Water
Analysis Batch: 472211

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			05/10/19 11:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			05/10/19 11:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			05/10/19 11:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			05/10/19 11:53	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			05/10/19 11:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			05/10/19 11:53	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			05/10/19 11:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			05/10/19 11:53	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			05/10/19 11:53	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			05/10/19 11:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			05/10/19 11:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			05/10/19 11:53	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			05/10/19 11:53	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			05/10/19 11:53	1
2-Hexanone	ND		5.0	1.2	ug/L			05/10/19 11:53	1

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

Lab Sample ID: MB 480-472211/7
Matrix: Water
Analysis Batch: 472211

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		10	1.3	ug/L			05/10/19 11:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			05/10/19 11:53	1
Acetone	ND		10	3.0	ug/L			05/10/19 11:53	1
Benzene	ND		1.0	0.41	ug/L			05/10/19 11:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			05/10/19 11:53	1
Bromoform	ND		1.0	0.26	ug/L			05/10/19 11:53	1
Bromomethane	ND		1.0	0.69	ug/L			05/10/19 11:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			05/10/19 11:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			05/10/19 11:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			05/10/19 11:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			05/10/19 11:53	1
Chloroethane	ND		1.0	0.32	ug/L			05/10/19 11:53	1
Chloroform	ND		1.0	0.34	ug/L			05/10/19 11:53	1
Chloromethane	ND		1.0	0.35	ug/L			05/10/19 11:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			05/10/19 11:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			05/10/19 11:53	1
Cyclohexane	ND		1.0	0.18	ug/L			05/10/19 11:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			05/10/19 11:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			05/10/19 11:53	1
Isopropylbenzene	ND		1.0	0.79	ug/L			05/10/19 11:53	1
Methyl acetate	ND		2.5	1.3	ug/L			05/10/19 11:53	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			05/10/19 11:53	1
Methylcyclohexane	ND		1.0	0.16	ug/L			05/10/19 11:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			05/10/19 11:53	1
Styrene	ND		1.0	0.73	ug/L			05/10/19 11:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			05/10/19 11:53	1
Toluene	ND		1.0	0.51	ug/L			05/10/19 11:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			05/10/19 11:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			05/10/19 11:53	1
Trichloroethene	ND		1.0	0.46	ug/L			05/10/19 11:53	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			05/10/19 11:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			05/10/19 11:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			05/10/19 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*77 - 120*		*05/10/19 11:53*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*05/10/19 11:53*	*1*
4-Bromofluorobenzene (Surr)	*118*		*73 - 120*		*05/10/19 11:53*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*05/10/19 11:53*	*1*

Lab Sample ID: LCS 480-472211/9
Matrix: Water
Analysis Batch: 472211

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	31.0		ug/L		124	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.3		ug/L		89	76 - 120
1,1,2-Trichloroethane	25.0	22.2		ug/L		89	76 - 122

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

Lab Sample ID: LCS 480-472211/9
Matrix: Water
Analysis Batch: 472211

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	29.1		ug/L		116	61 - 148
1,1-Dichloroethane	25.0	25.9		ug/L		104	77 - 120
1,1-Dichloroethene	25.0	26.2		ug/L		105	66 - 127
1,2,4-Trichlorobenzene	25.0	30.2		ug/L		121	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	24.1		ug/L		96	56 - 134
1,2-Dibromoethane	25.0	24.3		ug/L		97	77 - 120
1,2-Dichlorobenzene	25.0	26.8		ug/L		107	80 - 124
1,2-Dichloroethane	25.0	25.4		ug/L		102	75 - 120
1,2-Dichloropropane	25.0	23.7		ug/L		95	76 - 120
1,3-Dichlorobenzene	25.0	26.1		ug/L		104	77 - 120
1,4-Dichlorobenzene	25.0	26.0		ug/L		104	80 - 120
2-Hexanone	125	102		ug/L		82	65 - 127
2-Butanone (MEK)	125	96.5		ug/L		77	57 - 140
4-Methyl-2-pentanone (MIBK)	125	114		ug/L		92	71 - 125
Acetone	125	123		ug/L		98	56 - 142
Benzene	25.0	23.7		ug/L		95	71 - 124
Bromodichloromethane	25.0	27.2		ug/L		109	80 - 122
Bromoform	25.0	41.0	*	ug/L		164	61 - 132
Bromomethane	25.0	23.8		ug/L		95	55 - 144
Carbon disulfide	25.0	26.1		ug/L		104	59 - 134
Carbon tetrachloride	25.0	31.2		ug/L		125	72 - 134
Chlorobenzene	25.0	24.1		ug/L		96	80 - 120
Dibromochloromethane	25.0	28.5		ug/L		114	75 - 125
Chloroethane	25.0	26.8		ug/L		107	69 - 136
Chloroform	25.0	24.6		ug/L		98	73 - 127
Chloromethane	25.0	26.5		ug/L		106	68 - 124
cis-1,2-Dichloroethene	25.0	23.7		ug/L		95	74 - 124
cis-1,3-Dichloropropene	25.0	24.3		ug/L		97	74 - 124
Cyclohexane	25.0	28.1		ug/L		112	59 - 135
Dichlorodifluoromethane	25.0	40.7	*	ug/L		163	59 - 135
Ethylbenzene	25.0	26.4		ug/L		106	77 - 123
Isopropylbenzene	25.0	27.5		ug/L		110	77 - 122
Methyl acetate	50.0	38.0		ug/L		76	74 - 133
Methyl tert-butyl ether	25.0	25.1		ug/L		101	77 - 120
Methylcyclohexane	25.0	25.3		ug/L		101	68 - 134
Methylene Chloride	25.0	24.0		ug/L		96	75 - 124
Styrene	25.0	31.3	*	ug/L		125	80 - 120
Tetrachloroethene	25.0	27.4		ug/L		109	74 - 122
Toluene	25.0	24.9		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	24.5		ug/L		98	73 - 127
trans-1,3-Dichloropropene	25.0	26.2		ug/L		105	80 - 120
Trichloroethene	25.0	25.7		ug/L		103	74 - 123
Trichlorofluoromethane	25.0	34.8		ug/L		139	62 - 150
Vinyl chloride	25.0	28.9		ug/L		116	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*

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

Lab Sample ID: LCS 480-472211/9
Matrix: Water
Analysis Batch: 472211

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	92		80 - 120
4-Bromofluorobenzene (Surr)	151	X	73 - 120
Dibromofluoromethane (Surr)	97		75 - 123

QC Association Summary

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

GC/MS VOA

Analysis Batch: 471335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152856-6	SW-01	Total/NA	Water	524.2	
480-152856-7	BW-01	Total/NA	Water	524.2	
480-152856-8	TRIP BLANK	Total/NA	Water	524.2	
MB 480-471335/9	Method Blank	Total/NA	Water	524.2	
LCS 480-471335/6	Lab Control Sample	Total/NA	Water	524.2	
LCSD 480-471335/7	Lab Control Sample Dup	Total/NA	Water	524.2	
LLCS 480-471335/8	Lab Control Sample	Total/NA	Water	524.2	

Analysis Batch: 471958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152856-1	MW-02	Total/NA	Water	8260C	
480-152856-3	MW-12	Total/NA	Water	8260C	
480-152856-4	MW-15	Total/NA	Water	8260C	
480-152856-5	SPRING	Total/NA	Water	8260C	
MB 480-471958/9	Method Blank	Total/NA	Water	8260C	
LCS 480-471958/5	Lab Control Sample	Total/NA	Water	8260C	
480-152856-1 MS	MW-02	Total/NA	Water	8260C	
480-152856-1 MSD	MW-02	Total/NA	Water	8260C	

Analysis Batch: 472158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152856-8	TRIP BLANK	Total/NA	Water	8260C	
MB 480-472158/7	Method Blank	Total/NA	Water	8260C	
LCS 480-472158/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 472211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-152856-2	MW-07	Total/NA	Water	8260C	
MB 480-472211/7	Method Blank	Total/NA	Water	8260C	
LCS 480-472211/9	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Client Sample ID: MW-02
Lab Sample ID: 480-152856-1
Date Collected: 05/01/19 11:05
Matrix: Water
Date Received: 05/01/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	471958	05/09/19 13:12	RJF	TAL BUF

Client Sample ID: MW-07
Lab Sample ID: 480-152856-2
Date Collected: 05/01/19 12:05
Matrix: Water
Date Received: 05/01/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	472211	05/10/19 12:31	AEM	TAL BUF

Client Sample ID: MW-12
Lab Sample ID: 480-152856-3
Date Collected: 05/01/19 13:20
Matrix: Water
Date Received: 05/01/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	471958	05/09/19 14:00	RJF	TAL BUF

Client Sample ID: MW-15
Lab Sample ID: 480-152856-4
Date Collected: 05/01/19 14:20
Matrix: Water
Date Received: 05/01/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	471958	05/09/19 14:25	RJF	TAL BUF

Client Sample ID: SPRING
Lab Sample ID: 480-152856-5
Date Collected: 05/01/19 14:55
Matrix: Water
Date Received: 05/01/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	471958	05/09/19 14:49	RJF	TAL BUF

Client Sample ID: SW-01
Lab Sample ID: 480-152856-6
Date Collected: 05/01/19 15:30
Matrix: Water
Date Received: 05/01/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	471335	05/06/19 13:17	CDC	TAL BUF

Client Sample ID: BW-01
Lab Sample ID: 480-152856-7
Date Collected: 05/01/19 13:20
Matrix: Water
Date Received: 05/01/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	471335	05/06/19 13:41	CDC	TAL BUF

Lab Chronicle

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Client Sample ID: TRIP BLANK
Lab Sample ID: 480-152856-8
Date Collected: 05/01/19 00:00
Matrix: Water
Date Received: 05/01/19 17:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	524.2		1	471335	05/06/19 14:06	CDC	TAL BUF
Total/NA	Analysis	8260C		1	472158	05/10/19 02:20	S1V	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
524.2		Water	1,1,2-Trichloro-1,2,2-trifluoroethane
524.2		Water	1,2-Dibromo-3-Chloropropane
524.2		Water	1,2-Dibromoethane
524.2		Water	2-Butanone (MEK)
524.2		Water	2-Hexanone
524.2		Water	Acrylonitrile
524.2		Water	Allyl chloride
524.2		Water	Carbon disulfide
524.2		Water	Dichlorofluoromethane
524.2		Water	Ethyl ether
524.2		Water	m-Xylene & p-Xylene
524.2		Water	o-Xylene
524.2		Water	t-Butanol
524.2		Water	trans-1,4-Dichloro-2-butene
524.2		Water	Vinyl acetate

Method Summary

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Method	Method Description	Protocol	Laboratory
524.2	Volatile Organic Compounds (GC/MS)	EPA-DW	TAL BUF
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

EPA-DW = "Methods For The Determination Of Organic Compounds In Drinking Water", EPA/600/4-88/039, December 1988 And Its Supplements.
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: AECOM
Job ID: 480-152856-1
Project/Site: 60583042 - Wyoming County FTC

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-152856-1	MW-02	Water	05/01/19 11:05	05/01/19 17:10
480-152856-2	MW-07	Water	05/01/19 12:05	05/01/19 17:10
480-152856-3	MW-12	Water	05/01/19 13:20	05/01/19 17:10
480-152856-4	MW-15	Water	05/01/19 14:20	05/01/19 17:10
480-152856-5	SPRING	Water	05/01/19 14:55	05/01/19 17:10
480-152856-6	SW-01	Water	05/01/19 15:30	05/01/19 17:10
480-152856-7	BW-01	Water	05/01/19 13:20	05/01/19 17:10
480-152856-8	TRIP BLANK	Water	05/01/19 00:00	05/01/19 17:10

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler:	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-129822-29294.1
Client Contact: John Boyd	Phone:	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 1
Company: AECOM				Job #:
Address: 257 West Genesee Street Suite 400	Due Date Requested:			
City: Buffalo	TAT Requested (days):			
State, Zip: NY, 14202-2657				
Phone:	PO #: 60411027			
Email: john.boyd@aecom.com	WO #: 11172991/colin.wasteneys@aecom.com.			
Project Name: 11172991	Project #: 48005402			
Site: Wyoming FTC	SSOW#:			

480-152856 Chain of Custody

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)	524.2_Preserved - Standard Analyte list	8260C - TCL VOCs	524.2_Preserved - Standard Analyte list	8260C - TCL VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A	N	N		
~~SW-01~~ MW-02	5/1/19	1105	G	Water				3			3	
~~BW-01~~ MW-02 MS	5/1/19	1105	G	Water				3			3	
MW-02 MSD	5/1/19	1105	G	Water				3			3	
MW-07	5/1/19	1205	G	Water				3			3	
MW-12	5/1/19	1320	G	Water				3			3	
MW-15	5/1/19	1420	G	Water				3			3	
Spring	5/1/19	1455	G	Water				3			3	
SW-01	5/1/19	1535	G	Water			3				3	
BW-01	5/1/19	1320	G	Water			3				3	
Trip blank	5/1/19	—		Water					1	1	2	
				Water								

J - DI Water; K - EDTA; L - EDA; V - MCAA; W - pH 4-5; Z - other (specify); Other:

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: AECOM	Date/Time: 5-1-19 1710	Company: AECOM	Received by: Christopher Cikolo	Date/Time: 05/01/19 1710	Company: TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.2 #1 ICE

Ver: 01/16/2019

5/13/2019

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

Client Information

Client Contact: ~~John Boyd~~ Colin.Wasteneys
Company: AECOM
Address: 257 West Genesee Street Suite 400
City: Buffalo
State, Zip: NY, 14202-2657
Phone: 716-923-1164
Email: ~~john.boyd@aecom.com~~ colin.wasteneys@aecom.com
Project Name: ~~11172001~~ Wyoming County FTC
Site: Wyoming FTC

Sampler: M. Sheehan/E. Thalhamer
Phone: 716-923-1164

Lab PM: Deyo, Melissa L
E-Mail: melissa.deyo@testamericainc.com

Carrier Tracking No(s):

Due Date Requested:
TAT Requested (days):

PO #: ~~60411827~~ 60583042
WO #: ~~11172001~~/colin.wasteneys@aecom.com
Project #: 48005402
SSOW#:

Analysis Requested

480-15285

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)	624.2_Preserved - Standard Analyte list	8260C - TCL VOCs	624.2_Preserved - Standard Analyte list	8260C - TCL VOCs
Preservation Code:							A	A	N	N
~~SW-01~~ MW-02	5/1/19	1105	G	Water				3		
~~BW-01~~ MW-02 MS	5/1/19	1105	G	Water				3		
MW-02 MSD	5/1/19	1105	G	Water				3		
MW-07	5/1/19	1205	G	Water				3		
MW-12	5/1/19	1320	G	Water				3		
MW-15	5/1/19	1420	G	Water				3		
Spring	5/1/19	1455	G	Water				3		
SW-01	5/1/19	1536	G	Water			3			
BW-01	5/1/19	1320	G	Water			3			
Trip blank	5/1/19	—		Water					1	1
				Water						

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

Sample Disposal (A fee may be assessed if samples are re
☐ Return To Client ☐ Disposal By Lab ☐

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by: AECOM Date/Time: 5-1-19 Company: AECOM Received by: Date/Time: 5/1/19 15:45

Relinquished by: Date/Time: Company: Received by: Date/Time:

Attention: Accounts Payable-ACM
PO BOX 5604
Glen Allen, VA 23058-5604

Login 480-152856

Sample Receipt: 5/1/2019 5:10:00 PM
Method of Delivery: FedEx Priority Overnight

Number of Coolers: 1
Cooler Temperature(s) (C°): 3.2;

Lab Sample # / Method	Client Sample ID / Method Description / Work Location	Date Sampled	Matrix	Rpt Basis	Dry / Wet **
480-152856-1	**MW-02**	**5/1/2019 11:05:00 AM**	**Water**		
8260C	TCL list OLM04.2 / In-Lab			Total	Wet
480-152856-1 MS	**MW-02**	**5/1/2019 11:05:00 AM**	**Water**		
8260C	TCL list OLM04.2 / In-Lab			Total	Wet
480-152856-1 MSD	**MW-02**	**5/1/2019 11:05:00 AM**	**Water**		
8260C	TCL list OLM04.2 / In-Lab			Total	Wet
480-152856-2	**MW-07**	**5/1/2019 12:05:00 PM**	**Water**		
8260C	TCL list OLM04.2 / In-Lab			Total	Wet
480-152856-3	**MW-12**	**5/1/2019 1:20:00 PM**	**Water**		
8260C	TCL list OLM04.2 / In-Lab			Total	Wet
480-152856-4	**MW-15**	**5/1/2019 2:20:00 PM**	**Water**		
8260C	TCL list OLM04.2 / In-Lab			Total	Wet
480-152856-5	**SPRING**	**5/1/2019 2:55:00 PM**	**Water**		
8260C	TCL list OLM04.2 / In-Lab			Total	Wet
480-152856-6	**SW-01**	**5/1/2019 3:30:00 PM**	**Water**		
524.2_Preserved	Standard Analyte list / In-Lab			Total	Wet
480-152856-7	**BW-01**	**5/1/2019 1:20:00 PM**	**Water**		
524.2_Preserved	Standard Analyte list / In-Lab			Total	Wet
480-152856-8	**TRIP BLANK**	**5/1/2019 12:00:00 AM**	**Water**		
524.2_Preserved	Standard Analyte list / In-Lab			Total	Wet
8260C	TCL list OLM04.2 / In-Lab			Total	Wet

* Method on-hold

** Wet/Dry indicates whether the reported results will be corrected for moisture content, and based on sample Wet weight or Dry weight.

Login Sample Receipt Checklist

Client: AECOM

Job Number: 480-152856-1

Login Number: 152856
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	False	checked by the lab