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Town of DeWitt Landfill Annual Engineer's Report

DeWitt, New York

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2018 Annual Post-Closure Monitoring Report
Town of Dewitt Landfill

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1. INTRODUCTION

Miller Engineers has been retained by the Town of Dewitt to observe, assist and document post-closure monitoring activities at the Town of Dewitt Landfill in East Syracuse, New York. This report summarizes post-closure monitoring activities conducted in 2018 and provides the laboratory results of surface water, groundwater and landfill gas samples collected during the year.

2. BACKGROUND

The former Town of Dewitt Landfill is located between Butternut Drive and Burdick Street in East Syracuse, New York and is approximately 57 acres in size. Access to the site is from Fisher Road and is limited by a chain link fence and a locked gate. The site is surrounded by light industrial properties to the north and west and residential properties to the east. The Erie Canal, to the south, has been developed as a recreational area with multi-use trail, boating access and a picnic area.

The site is an inactive municipal landfill that previously accepted residential and industrial waste. The landfill was closed by the Town of Dewitt under the New York State Department of Environmental Conservation (NYSEC) state Superfund Program (site code 734012). Investigation and remediation efforts included a Remedial Investigation/Feasibility Study in 1992, an Interim Remedial Measure (IRM) completed in 1994 (Part 360 landfill cap) and a Record of Decision (ROD) in March 1994. This site was included on the NYSDEC's list of Legacy sites based on the potential for soil vapor intrusion. Based upon additional evaluation by the New York State Department of Health (NYSDOH), the site was removed from the list in April 2009. Currently the site is being monitored under the Monitoring and Maintenance Operations Manual (MMOM) prepared in December 1994 by O'Brien and Gere Engineers, Inc. for the Town of Dewitt.

3. LANDFILL RECONNAISSANCE

Site visits were performed during March, May, August, and October 2018 to assess general site conditions at the landfill and to collect environmental samples. Landfill reconnaissance included observations and assessments of the final cover and vegetation, landfill gas venting system, storm water management system and access road and perimeter fence conditions. A summary of the observations is provided below. Appendix A presents the Inspection and Maintenance checklist completed during the May 25 and October 31, 2018 site visits. Appendix B provides a photographic log of typical conditions observed at the landfill during 2018.

3.1 Final Cover and Vegetation

The May and October site visits revealed healthy growth of grasses across the landfill. The grass cover appeared uniform and healthy over most of the landfill. A few woody bushes were

observed near the gas vents, where mowing could not reach (see Appendix B, Photos 3 and 9. These woody plants have potentially deep roots and should be removed.

Based on these observations, it appears that the cover layer and cap material are in good repair and that no deep-rooted plants are compromising the low-permeability cap layer or allowing precipitation to infiltrate the waste layer.

3.2 Landfill Gas System

There are a total of 24 gas vents that comprise the passive gas venting system at the landfill. All gas vents were observed to be in good repair and operable during the December 2018 visit. All vent screens were free of debris and blockages and appeared to be operating as designed.

Previous monitoring reports indicate that the most prolific gas producing vents are located along the east-west trending ridge at the top of the landfill (see Figure 1). Qualitative observations, gas flow measurements and gas sampling were conducted on May 25, 2018. Results of gas vent observations and sampling are discussed in Section 4.3.

3.3 Storm-water Management and Drainage

A series of radial drainage ditches lined with rip-rap overlying perforated drain pipe are spaced around the landfill to facilitate storm water run-off and to minimize ponding and infiltration into the waste mass. During each of the 2018 site visits the ditches were observed to be in good repair with no signs of erosion, fine sediment accumulation or ponding. There were no small trees or tall woody plants observed in the down chutes and the ditches appeared to drain efficiently. At this time the drainage system appears to be functioning as designed.

3.4 Access Road and Fencing

A crushed stone access road surrounds the landfill and is located on the lower side slope. Vehicle traffic accesses the road through a locked chain link fence gate located on the north side of the landfill at the southerly-most portion of Fisher Road (see Figure 1). In May and October, the access road was observed to be in good repair with no washouts and no impassable dips or ruts. The road was passable by two-wheel drive pickup truck during the March, May, August and October 2018 site visits.

The landfill is bounded on the south by an eight-foot tall chain link fence that separates the Erie Canal towpath from the landfill. The fence was observed to be in good repair with no openings or breaks in the fence and no damaged posts or rails. A short section of fence is also located at the access gate at Fisher Road and spans the northern landfill boundary between a stand of mature trees and a wetland. The fence and gate adequately prevent automobile and truck traffic from

unauthorized entry to the landfill. However, a hole in the gate fencing is large enough to allow a small person to crawl through. Additionally, recreational ATV traffic and snowmobile tracks have been observed, at various times of the year, circumventing the fence and accessing the landfill.

In general, the access road and fencing appear to be functioning as designed.

3.5 Monitoring Wells

There are a total of 18 monitoring at the site. The wells are located outside the perimeter of the landfill. Well MW-1S and MW-11S are upgradient and located south of the Erie Canal. Well couplets MW-4S,D, MW-5S,D and well MW-6S are downgradient and located on the north side of the landfill. The remaining monitoring wells are side-gradient. The wells were all observed to be in good repair and suitable for representative groundwater sampling. Table 1 lists the specifications of the wells.

4. POST-CLOSURE SAMPLING

The Monitoring and Maintenance Operations Manual (MMOM) calls for surface water, groundwater and landfill gas monitoring. The sections below describe locations, frequency, methods and results for surface water, groundwater and gas vent sampling. Figure 1 shows the sampling locations. Sample results were tabulated and compared to standards, criteria and guidance (SCG) appropriate for each sampling media and described below.

4.1 Surface Water Sampling

The MMOM requires that surface water samples be collected once every calendar quarter at three designated locations. Surface sample locations SW-1, SW-2 and SW-3 are located at the toe of the landfill slope and on the edge of the surrounding wetland. Surface water samples were collected on March 28, May 25, August 23 and October 2018.

Surface water samples were collected by digging a shallow hole in the wetland and allowing the hole to fill with water. Sample containers were filled by submerging them in the standing water. The samples were preserved on ice and shipped directly to the laboratory by the sampling crew. The samples were analyzed for Priority Pollutant Metals, volatile organic compounds (VOCs) using USEPA Method 624 and total dissolved solids (TDS).

Surface water sampling results we compared to SCGs defined in NYSDEC "*Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998*" and subsequent addendums.

The results of the surface water sampling events indicate that there were no exceedances of SCGs for any parameter at locations SW-1 and SW-3 in any of the four sampling rounds.

Vinyl chloride (5.4 µg/l) at SW-2 exceeded the 2 µg/l SCG in the August 2018 sampling round. There were no other SCG exceedances at SW-2 in any of the other sampling events.

The full list of analytes and results for each surface water location and each sampling event are presented in Tables 2a, 2b and 2c. The full laboratory reports including field observations and laboratory quality assurance/quality control data are presented Appendix C.

4.2 Groundwater Sampling

The MMOM requires groundwater samples to be collected once every calendar year at each of the 18 monitoring wells (see Figure 1). Groundwater samples were collected on November 28 and 29, 2018.

The samples were collected using dedicated bailers to purge each of the wells of three volumes of water prior to sample collection. After purging, field parameters including temperature, pH, turbidity, conductance, oxidation-reduction potential, and dissolved oxygen were measured and recorded on field data sheets. The field data sheets are presented in the laboratory report in Appendix C. The sample containers were filled using bailers and then preserved with ice and shipped directly to the laboratory by the sampling crew. The samples were analyzed for Priority Pollutant Metals, VOCs using USEPA Method 624 and total dissolved solids (TDS).

Groundwater sampling results were compared to SCGs defined in NYSEDC "*TOGS 1.1.1 Ambient Water Quality* Standards *and Guidance Values and Groundwater Effluent Limitations, June 1998*" and subsequent addendums.

The results of the groundwater sampling are presented in Tables 3a and 3b. The results indicate metals exceedances in some deep wells and none of the shallow wells. The SCG for arsenic was exceeded at side-gradient wells MW-9M, MW-9D and upgradient well MW-11D. Chromium and nickel exceeded SCGs in MW-9D and MW-11D. Lead exceeded the SCG at MW-5D. Cadmium exceeded the SCG in MW-11D. No other metals exceeded SCGs at any other wells.

The VOC 1,2-dichloroethene exceeded SCGs at MW-4D, MW-4S and MW-5S. Vinyl chloride exceeded SCGs at MW-4D, MW-8S and MW-9M.

Trichloroethene exceeded SCGs at MW-4D. Also, methylene chloride exceeded SCGs at MW-9D. No other VOCs exceeded SCGs at any other wells.

The full laboratory report including field observations and quality assurance/quality control data is presented Appendix C.

4.3 Gas Vent Sampling

The OMMP requires that specific gas vents be monitored once per year with the three vents exhibiting the most prolific gas flows being sampled for laboratory analysis. Gas vents V-3, V-9, V-10, V-11, V-12, and V-18 (see Figure 1) were screened in the field on May 25, 2018 using a GEM 2000 air analyzer for methane, lower explosive limit, carbon dioxide, oxygen, hydrogen sulfide, carbon monoxide and exit velocity. The gas vent field measurements were recorded on field logs and are presented with the laboratory report in Appendix C. The field results indicated that gas vents V-11, V-12 and V-18 exhibited the highest gas velocities and gas samples were collected from those locations for laboratory analysis of VOCs using EPA Method TO-15.

Soil vent gas sampling results we compared to SCGs established in NYSDEC "*Division of Air Resources (DAR-1) Guidelines for the Control of Toxic Ambient Air Contaminants, 1997.*"

The results indicate the SCG for benzene was exceeded in sample V-11. The SCG for n-hexane was exceeded in V-11 and V-18. The SCG for vinyl chloride was exceeded in sample V-18.

The laboratory results of the gas vent sampling are presented in Table 4. The full laboratory report including field observations and quality assurance/quality control data is presented Appendix C.

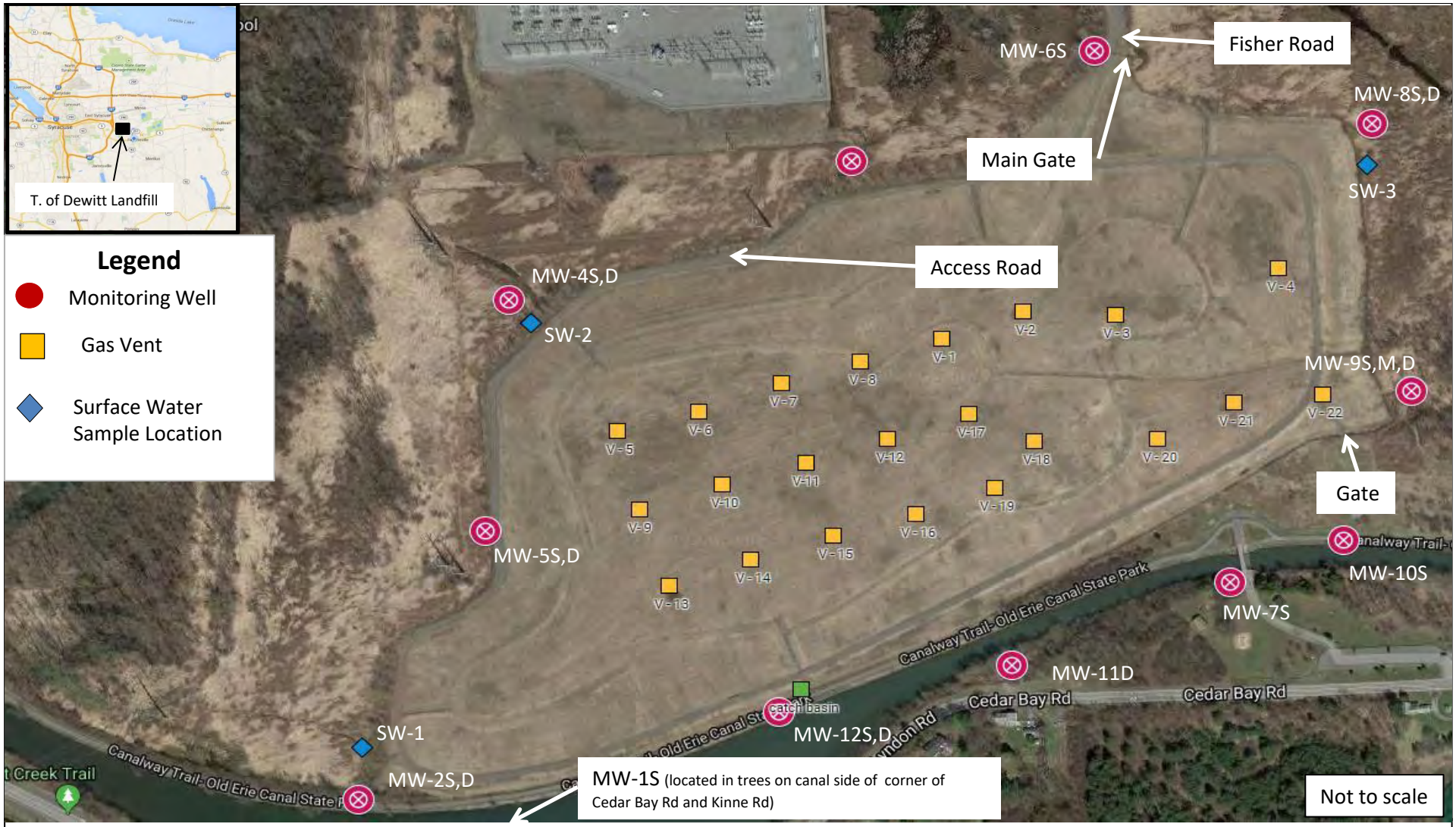
5. CONCLUSION

Based on site visits and the analyses of surface water, groundwater and gas vent samples, the general condition of the landfill is good and all systems appear to be operating as designed. A few exceedances of environmental sampling SCGs have been noted, however these are comparable to previous years' results and, due to relatively low concentrations, isolated occurrences and lack of significant exposure risks, do not pose a significant threat to human health or the environment.

6. RECOMMENDATIONS

- Continue road maintenance and grass mowing as specified in the Monitoring and Maintenance Operations Manual (MMOM).
- Continue surface water, groundwater and vent gas monitoring as specified in the MMOM.
- Hand cut woody shrubs that grow adjacent to gas vents and are inaccessible by mower.

FIGURES



Town of Dewitt Landfill
Fisher Road
East Syracuse, New York

Site Map

FIGURE
1

TABLES

Table 1.
Monitoring Well Specifications
Town Of Dewitt Landfill

ID	Well Diameter (inches)	Depth to Bottom (feet below ground surface)	Depth to Bottom (feet below top of casing)	Approximate Depth to Water from Top of Casing (feet)
MW-1S	2	20	21	13
MW-2S	2	37	35.5	12
MW-2D	2	52	52	12
MW-3S	2	36	35.6	3
MW-4S	2	17	20	2
MW-4D	2	33	35.3	1
MW-5S	2	24	26.6	2
MW-5D	2	43	45	2
MW-6S	2	22	21.7	4
MW-7S	2	24	22.4	14
MW-8S	2	26	29.2	0*
MW-8D	2	58	61.3	1
MW-9S	2	10	12.4	1
MW-9M	2	36	38	2
MW-9D	2	52	55	51**
MW-10S	2	20	20.6	11
MW-11S	2	36	39	28
MW-12S	2	21	23	9

* this well flows at times
** this well dry at times

Table 2a.
Surface Water Sampling Results
SW-1
Town of Dewitt Landfill
2018

Analyte	Unit	SCG*	3/28/2018 SW-1	5/25/2018 SW-1	8/23/2018 SW-1	11/28/2018 SW-1
Mercury	mg/L	0.0007	ND	ND	ND	ND
Antimony	mg/L	0.003	ND	ND	ND	ND
Arsenic	mg/L	0.025	ND	ND	ND	ND
Beryllium	mg/L	0.003	ND	ND	ND	ND
Cadmium	mg/L	0.005	ND	ND	ND	ND
Chromium	mg/L	0.05	ND	0.0018 J	ND	0.024
Copper	mg/L	0.2	ND	ND	ND	0.0025 J
Lead	mg/L	0.025	ND	ND	ND	ND
Nickel	mg/L	0.1	ND	ND	0.0014 J	0.014
Selenium	mg/L	0.01	ND	ND	ND	ND
Silver	mg/L	0.05	ND	ND	ND	ND
Thallium	mg/L	0.0005	ND	ND	ND	ND
Zinc	mg/L	2	0.0069 J	ND	0.027	0.015 B
Total Dissolved Solids	mg/L	---	192	483	1390	1210
1,1,1-Trichloroethane	ug/L	5	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	5	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	1	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	5	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	5	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	3	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	0.6	ND	ND	ND	ND
1,2-Dichloroethene, Total	ug/L	5	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND
1,3-Dichlorobenzene	ug/L	3	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	3	ND	ND	ND	ND
2-Chloroethyl vinyl ether	ug/L	---	ND	ND	ND	ND
Acrolein	ug/L	5	ND	ND	ND	ND
Acrylonitrile	ug/L	5	ND	ND	ND	ND
Benzene	ug/L	1	ND	ND	ND	ND
Bromoform	ug/L	50	ND	ND	ND	ND
Bromomethane	ug/L	5	ND	ND	ND	ND
Carbon tetrachloride	ug/L	5	ND	ND	ND	ND
Chlorobenzene	ug/L	5	ND	ND	**1.0 J**	ND
Chlorodibromomethane	ug/L	50	ND	ND	ND	ND
Chloroethane	ug/L	5	ND	ND	**1.6 J**	ND
Chloroform	ug/L	7	ND	ND	ND	ND
Chloromethane	ug/L	5	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	---	ND	ND	ND	ND
Dichlorobromomethane	ug/L	50	ND	ND	ND	ND
Ethylbenzene	ug/L	5	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND
Toluene	ug/L	5	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	5	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	---	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND
Vinyl chloride	ug/L	2	ND	ND	ND	ND

* Standard, Criteria or guideline - NYSDEC TOGS 1.1.1 - Ambient Water Quality Standards and Guidance Values, June 2004

--- no standard

- Concentration exceeds standard

ND - non-detect

J - value is estimated

B - Compound was found in blank

Table 2b.
Surface Water Sampling Results
SW-2
Town of Dewitt Landfill
2018

Analyte	Unit	SCG*	3/28/2018 SW-2	5/25/2018 SW-2	8/23/2018 SW-2	11/28/2018 SW-2
Mercury	mg/L	0.0007	ND	ND	ND	ND
Antimony	mg/L	0.003	ND	ND	ND	ND
Arsenic	mg/L	0.025	ND	ND	0.0081 J	ND
Beryllium	mg/L	0.003	ND	ND	0.00034 J	ND
Cadmium	mg/L	0.005	ND	ND	ND	ND
Chromium	mg/L	0.05	ND	ND	0.0065	0.0025 J
Copper	mg/L	0.2	ND	ND	0.0027 J	ND
Lead	mg/L	0.025	ND	ND	0.0056 J	ND
Nickel	mg/L	0.1	ND	ND	0.018	0.0017 J
Selenium	mg/L	0.01	ND	ND	ND	ND
Silver	mg/L	0.05	ND	ND	ND	ND
Thallium	mg/L	0.0005	ND	ND	ND	ND
Zinc	mg/L	2	0.0056 J	0.0057 J	0.082	0.0052 J B
Total Dissolved Solids	mg/L	---	103	823 B	1390	77.0
1,1,1-Trichloroethane	ug/L	5	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	5	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	1	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	5	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	5	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	3	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	0.6	ND	ND	ND	ND
1,2-Dichloroethene, Total	ug/L	5	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND
1,3-Dichlorobenzene	ug/L	3	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	3	ND	ND	ND	ND
2-Chloroethyl vinyl ether	ug/L	---	ND	ND	ND	ND
Acrolein	ug/L	5	ND	ND	ND	ND
Acrylonitrile	ug/L	5	ND	ND	ND	ND
Benzene	ug/L	1	ND	ND	ND	ND
Bromoform	ug/L	50	ND	ND	ND	ND
Bromomethane	ug/L	5	ND	ND	ND	ND
Carbon tetrachloride	ug/L	5	ND	ND	ND	ND
Chlorobenzene	ug/L	5	ND	ND	ND	ND
Chlorodibromomethane	ug/L	50	ND	ND	ND	ND
Chloroethane	ug/L	5	ND	**0.95 J**	ND	ND
Chloroform	ug/L	7	ND	ND	ND	ND
Chloromethane	ug/L	5	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	---	ND	ND	ND	ND
Dichlorobromomethane	ug/L	50	ND	ND	ND	ND
Ethylbenzene	ug/L	5	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND
Toluene	ug/L	5	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	5	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	---	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND
Vinyl chloride	ug/L	2	ND	ND	**5.4**	ND

* Standard, Criteria or guideline - NYSDEC TOGS 1.1.1 - Ambient Water Quality Standards and Guidance Values, June 2004

--- no standard

- Concentration exceeds standard

ND - non-detect

J - value is estimated

B - Compound was found in blank

Table 2c.
Surface Water Sampling Results
SW-3
Town of Dewitt Landfill
2018

Analyte	Unit	SCG*	3/28/2018 SW-3	5/25/2018 SW-3	8/23/2018 SW-3	11/28/2018 SW-3
Mercury	mg/L	0.0007	ND	ND	ND	ND
Antimony	mg/L	0.003	ND	ND	ND	ND
Arsenic	mg/L	0.025	ND	ND	ND	ND
Beryllium	mg/L	0.003	ND	ND	ND	ND
Cadmium	mg/L	0.005	ND	ND	ND	ND
Chromium	mg/L	0.05	ND	0.0018 J	ND	ND
Copper	mg/L	0.2	ND	0.0020 J	ND	0.0020 J
Lead	mg/L	0.025	ND	ND	ND	ND
Nickel	mg/L	0.1	ND	0.0045 J	0.0021 J	0.0013 J
Selenium	mg/L	0.01	ND	ND	ND	ND
Silver	mg/L	0.05	ND	ND	ND	ND
Thallium	mg/L	0.0005	ND	ND	ND	ND
Zinc	mg/L	2	0.0020 J	0.0063 J	0.086	0.0099 J B
Total Dissolved Solids	mg/L	---	300	552 B	539	468
1,1,1-Trichloroethane	ug/L	5	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	5	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	1	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	5	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	5	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	3	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	0.6	ND	ND	ND	ND
1,2-Dichloroethene, Total	ug/L	5	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND
1,3-Dichlorobenzene	ug/L	3	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	3	ND	ND	ND	ND
2-Chloroethyl vinyl ether	ug/L	---	ND	ND	ND	ND
Acrolein	ug/L	5	ND	ND	ND	ND
Acrylonitrile	ug/L	5	ND	ND	ND	ND
Benzene	ug/L	1	ND	ND	ND	ND
Bromoform	ug/L	50	ND	ND	ND	ND
Bromomethane	ug/L	5	ND	ND	ND	ND
Carbon tetrachloride	ug/L	5	ND	ND	ND	ND
Chlorobenzene	ug/L	5	ND	ND	ND	ND
Chlorodibromomethane	ug/L	50	ND	ND	ND	ND
Chloroethane	ug/L	5	ND	ND	ND	ND
Chloroform	ug/L	7	ND	ND	ND	ND
Chloromethane	ug/L	5	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	---	ND	ND	ND	ND
Dichlorobromomethane	ug/L	50	ND	ND	ND	ND
Ethylbenzene	ug/L	5	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	**2.5 J**	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND
Toluene	ug/L	5	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	5	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	---	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND
Vinyl chloride	ug/L	2	ND	ND	ND	ND

* Standard, Criteria or guideline - NYSDEC TOGS 1.1.1 - Ambient Water Quality Standards and Guidance Values, June 2004

--- no standard

- Concentration exceeds standard

ND - non-detect

J - value is estimated

B - Compound was found in blank

Table 3a.
Groundwater Sampling Results
Shallow Monitoring Wells
Town of Dewitt Landfill
November 2018

Analyte	Unit	SCG*	11/29/18 MW-1S	11/29/18 MW-2S	11/29/18 MW-3S	11/29/18 MW-4S	12/12/17 MW-5S	11/29/18 MW-6S	11/29/18 MW-7S	11/29/18 MW-8S	11/29/18 MW-9S	11/29/18 MW-10S	11/29/18 MW-12S
Mercury	mg/L	0.0007	ND	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	ND	**ND**	**ND**	**ND**
Antimony	mg/L	0.003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	mg/L	0.025	ND	ND	**0.0098 J**	ND	0.0077 J	**0.013 J**	ND	0.0063 J	**0.0062 J**	ND	ND
Beryllium	mg/L	0.003	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	mg/L	0.005	ND	ND	ND	ND	0.00066 J	ND	0.00052 J	ND	ND	ND	ND
Chromium	mg/L	0.05	**ND**	ND	**0.0047**	0.0083	0.033	**ND**	**0.018**	0.044	ND	**0.011**	ND
Copper	mg/L	0.2	**ND**	ND	ND	0.0033 J	0.0019 J B	ND	**0.011 B**	0.011	ND	**0.0028 J**	ND
Lead	mg/L	0.025	ND	**ND**	**ND**	**0.0035 J**	0.0050 J	0.0031 J	0.0076 J	0.0042 J	ND	0.0032 J	ND
Nickel	mg/L	0.1	**0.0022 J**	ND	**0.0066 J**	0.0046 J	0.017	**0.0025 J**	0.0069 J	0.029	**0.0015 J**	**0.0033 J**	ND
Selenium	mg/L	0.01	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	mg/L	0.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	mg/L	0.0005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Zinc	mg/L	2	**ND**	ND	**0.0024 J**	**0.0093 J**	**0.018**	**ND**	0.018	0.022	ND	**0.042**	0.019
Total Dissolved Solids	mg/L	---	**1370**	1660	**1570**	**2800**	**3160**	**1300**	949	1120	1190	**1170**	1020
1,1,1-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene, Total	ug/L	5	ND	ND	ND	**62**	**8.3 J**	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ug/L	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	ug/L	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrolein	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	ug/L	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorobromomethane	ug/L	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	---	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	ND	ND	ND	0.80 J	ND	ND	ND	ND	**1.3 J**	ND
Vinyl chloride	ug/L	2	ND	ND	ND	ND	ND	ND	ND	**57**	**0.87 J**	ND	ND

* Standard, Criteria or guideline - NYSDEC TOGS 1.1.1 - Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (PDF), June 2004

--- no standard

ND - non-detect

J - estimated

- Concentration exceeds Standard

Table 3b.
Groundwater Sampling Results
Deep Monitoring Wells
Town of Dewitt Landfill
November 2018

Analyte	Unit	SCG*	11/29/2018 MW-2D	11/29/2018 MW-4D	11/29/2018 MW-5D	11/29/2018 MW-8D	11/29/2018 MW-9M	11/29/2018 MW-9D	11/29/2018 MW-11D
Mercury	mg/L	0.0007	ND	ND	ND	ND	ND	ND	0.00030
Antimony	mg/L	0.003	ND	ND	ND	ND	ND	ND	ND
Arsenic	mg/L	0.025	ND	ND	ND	0.0099 J	0.030	0.058 J	0.068 J
Beryllium	mg/L	0.003	ND	ND	ND	ND	ND	ND	0.0042
Cadmium	mg/L	0.005	ND	ND	ND	ND	ND	0.0045 J	0.0022
Chromium	mg/L	0.05	0.0075	0.020	ND	ND	0.0057	5.9	14.6
Copper	mg/L	0.2	ND	0.0030 J	ND	ND	ND	0.10	0.32
Lead	mg/L	0.025	ND	ND	ND	ND	ND	ND	0.16
Nickel	mg/L	0.1	0.0016 J	0.010	ND	ND	0.0085 J	2.9	2.7
Selenium	mg/L	0.01	ND	ND	ND	ND	ND	ND	ND
Silver	mg/L	0.05	ND	ND	ND	ND	ND	ND	ND
Thallium	mg/L	0.0005	ND	ND	ND	ND	ND	ND	ND
Zinc	mg/L	2	ND	0.013	0.0017 J	0.0044 J	0.0040 J	0.20	0.60
Total Dissolved Solids	mg/L	---	2070	2870	2340	2270	1150	264000 E	916
1,1,1-Trichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	ug/L	1	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	3	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ug/L	0.6	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethene, Total	ug/L	5	ND	**150**	ND	ND	ND	ND	ND
1,2-Dichloropropane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ug/L	3	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ug/L	3	ND	ND	ND	ND	ND	ND	ND
2-Chloroethyl vinyl ether	ug/L	---	ND	ND	ND	ND	ND	ND	ND
Acrolein	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Acrylonitrile	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Benzene	ug/L	1	ND	ND	ND	ND	ND	ND	ND
Bromoform	ug/L	50	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Chlorodibromomethane	ug/L	50	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	7	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	5	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	ug/L	---	ND	ND	ND	ND	ND	ND	ND
Dichlorobromomethane	ug/L	50	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	ug/L	5	ND	ND	ND	ND	ND	**5.7 J**	ND
Tetrachloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND
Toluene	ug/L	5	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ug/L	5	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	ug/L	---	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	5	ND	**28**	ND	ND	ND	ND	ND
Vinyl chloride	ug/L	2	ND	**6.6**	ND	ND	**58**	ND	ND

* Standard, Criteria or guideline - NYSDEC TOGS 1.1.1 - Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (PDF), June 2004

** Not sampled. Well covered by blacktop.

--- no standard

- Concentration exceeds Standard

J - Result is less than the RL but >= MDL and the concentration is an approximate value.

E - calibration range exceeded

Table 4.
Gas Vent Sampling Results
Town of Dewitt Landfill
May 25, 2018

Analyte	Unit	Standard*		Sample ID		
		SGC[1]	AGC[2]	V-11	V-12	V-18
1,1,1-Trichloroethane	ppb v/v	3,000	0.13	ND	ND	ND
1,1,2,2-Tetrachloroethane	ppb v/v	---	16	ND	ND	ND
1,1,2-Trichloroethane	ppb v/v	---	1.4	ND	ND	ND
1,1-Dichloroethane	ppb v/v	---	1.4	ND	ND	ND
1,1-Dichloroethene	ppb v/v	---	1.4	ND	ND	ND
1,2,4-Trichlorobenzene	ppb v/v	---	---	ND	ND	ND
1,2,4-Trimethylbenzene	ppb v/v	---	290	ND	ND	ND
1,2-Dibromoethane	ppb v/v	---	0.0017	ND	ND	ND
1,2-Dichlorobenzene	ppb v/v	30,000	360	ND	ND	ND
1,2-Dichloroethane	ppb v/v	30,000	360	ND	ND	ND
1,2-Dichloroethene, Total	ppb v/v	---	63	ND	ND	ND
1,2-Dichloropropane	ppb v/v	30,000	360	ND	ND	ND
1,2-Dichlorotetrafluoroethane	ppb v/v	---	17000	**55**	ND	**45**
1,3,5-Trimethylbenzene	ppb v/v	---	290	ND	ND	ND
1,3-Butadiene	ppb v/v	---	290	ND	ND	ND
1,3-Dichlorobenzene	ppb v/v	30,000	360	ND	ND	ND
1,4-Dichlorobenzene	ppb v/v	---	0.09	ND	ND	ND
1,4-Dioxane	ppb v/v	---	0.09	ND	ND	ND
2,2,4-Trimethylpentane	ppb v/v	---	3,300	**390**	**240**	**320**
2-Chlorotoluene	ppb v/v	---	620	ND	ND	ND
3-Chloropropene	ppb v/v	---	0.25	ND	ND	ND
4-Ethyltoluene	ppb v/v	---	---	ND	ND	ND
4-Isopropyltoluene	ppb v/v	---	---	ND	ND	ND
Acetone	ppb v/v	180,000	28,000	ND	ND	ND
Benzene	ppb v/v	1300	0.13	**41**	ND	ND
Benzyl chloride	ppb v/v	1,300	0.13	ND	ND	ND
Bromodichloromethane	ppb v/v	240	0.02	ND	ND	ND
Bromoethene(Vinyl Bromide)	ppb v/v	---	3.00	ND	ND	ND
Bromoform	ppb v/v	---	0.91	ND	ND	ND
Bromomethane	ppb v/v	3,900	5	ND	ND	ND
Carbon disulfide	ppb v/v	6,200	700	ND	ND	ND
Carbon tetrachloride	ppb v/v	1,900	0.067	ND	ND	ND
Chlorobenzene	ppb v/v	---	110	ND	ND	ND
Chloroethane	ppb v/v	---	10,000	ND	ND	ND
Chloroform	ppb v/v	150	0.043	ND	ND	ND
Chloromethane	ppb v/v	22,000	90	ND	ND	ND
cis-1,2-Dichloroethene	ppb v/v	---	63	ND	ND	ND
cis-1,3-Dichloropropene	ppb v/v	---	0.25	ND	ND	ND
Cumene	ppb v/v	---	400	ND	ND	ND
Cyclohexane	ppb v/v	---	6,000	**250**	**240**	**300**
Dibromochloromethane	ppb v/v	14,000	2.1	ND	ND	ND
Dichlorodifluoromethane	ppb v/v	---	12,000	ND	ND	470
Ethylbenzene	ppb v/v	54,000	1,000	**100**	ND	ND
Freon 22	ppb v/v	---	---	**1600**	**2000**	**2600**
Freon TF	ppb v/v	---	---	ND	ND	ND
Hexachlorobutadiene	ppb v/v	---	0.045	ND	ND	ND
Isopropyl alcohol	ppb v/v	98,000	7,000	ND	ND	ND
m,p-Xylene	ppb v/v	4,300	100	ND	ND	ND
Methyl Butyl Ketone (2-Hexanone)	ppb v/v	4,000	48	ND	ND	ND
Methyl Ethyl Ketone	ppb v/v	13,000	5,000	ND	ND	ND
methyl isobutyl ketone	ppb v/v	31,000	3,000	ND	ND	ND
Methyl methacrylate	ppb v/v	41,000	700	ND	ND	ND
Methyl tert-butyl ether	ppb v/v	---	3,000	ND	ND	ND
Methylene Chloride	ppb v/v	14,000	2.1	ND	ND	ND
Naphthalene	ppb v/v	7,900	3	ND	ND	ND
n-Butane	ppb v/v	238,000	---	**4700**	**4000**	**5100**
n-Butylbenzene	ppb v/v	---	---	ND	ND	ND
n-Heptane	ppb v/v	21000	3,900	**410**	**210**	**350**
n-Hexane	ppb v/v	---	700	**1200**	**690**	**1100**
n-Propylbenzene	ppb v/v	54000	1000	ND	ND	ND
sec-Butylbenzene	ppb v/v	---	---	ND	ND	ND
Styrene	ppb v/v	17,000	1,000	ND	ND	ND
tert-Butyl alcohol	ppb v/v	---	720	ND	ND	ND
tert-Butylbenzene	ppb v/v	---	---	ND	ND	ND
Tetrachloroethene	ppb v/v	1,000	1	ND	ND	ND
Tetrahydrofuran	ppb v/v	30,000	350	ND	ND	ND
Toluene	ppb v/v	37,000	5,000	ND	ND	48
trans-1,2-Dichloroethene	ppb v/v	---	63	ND	ND	ND
trans-1,3-Dichloropropene	ppb v/v	---	0.250	ND	ND	ND
Trichloroethene	ppb v/v	---	0.25	ND	ND	ND
Trichlorofluoromethane	ppb v/v	9000	5000	**77**	**110**	ND
Vinyl chloride	ppb v/v	180,000	0.11	ND	ND	**51**
Xylene (total)	ppb v/v	22000	100	ND	ND	ND
Xylene, o-	ppb v/v	4,300	100	ND	ND	ND

* New York State Department of Envrionmental Conservation Division of Air resources (DAR-1) Guidelines for the Control of Toxic Ambient Air Contaminants, 1997.

[1]SGC - Short-term Guideline Concentration

[2]AGC - Annual Guideline Concentration

- Concentration exceeds standard

APPENDICES

Appendix A
Inspection and Maintenance Checklist

Town of Dewitt Landfill
Inspection and Maintenance Checklist

Date: 5/25/18

Inspector(s): Gerry Gould

Weather: Sunny, 78°F, Green grass wind W at 10mph

Landfill Component	Photos	Observations/Comments
A. Security and Access		
1. Gate(s) secure and locked	yes ✓	
2. Fencing in good repair (no burrows, holes, or bent posts and rails).	yes	several shrubs growing in fence on canal side
B. Access Road(s)		
1. Crushed stone or blacktop in tact	yes	
2. No ruts or washouts	yes	
C. Landfill Cap		
1. Mowing status		not mowed yet this season
2. Erosion observations	none	—
3. Settling, flat spots or depressions	none	
4. Stressed vegetation, bare spots	none	
5. Deep rooted, woody growth	yes	some woody shrubs near some gas vents
D. Gas venting and/or collection		
1. Vents upright and undamaged	yes	
2. Unobstructed openings	yes	
3. Settlement and/or boot integrity	none	

Town of Dewitt Landfill
Inspection and Maintenance Checklist

E. Surface Water Control		
1. Swales, ditches and down chutes unobstructed	yes	
2. Culverts open and clear	yes	
3. Catch basins and manholes	n/a	
F. Monitoring Locations		
1. Monitoring Wells locked, labeled and in tact	yes	
2. Surface water and/or leachate locations identifiable and accessible.	yes	

General Observations:

Overall, maintenance is adequate and cap integrity good. Drainage is working as designed.

Signed: [illegible]

Corrective Actions

Inspection Area No.	Solution	Person responsible

Town of Dewitt Landfill
Inspection and Maintenance Checklist

Date: 10/31/18

Inspector(s): Gerry Gould

Weather: p. cloudy 39° F, wind ENE 0-5 mph

Landfill Component	Photos	Observations/Comments
A. Security and Access		
1. Gate(s) secure and locked	✓	gates are closed & locked N gate is bent, hole in fencing
2. Fencing in good repair (no burrows, holes, or bent posts and rails).	✓	fencing looks good
B. Access Road(s)		
1. Crushed stone or blacktop in tact	✓	some grass on roads, crushed stone is firm & in good repair
2. No ruts or washouts	✓	none
C. Landfill Cap		
1. Mowing status	✓	recently mowed, healthy grass
2. Erosion observations	✓	none
3. Settling, flat spots or depressions	✓	depression at Gas Vent on SW side of L.F.
4. Stressed vegetation, bare spots	✓	occassional bare spots near gas vents
5. Deep rooted, woody growth	✓	some shrubs near gas vents most vents are shrub free
D. Gas venting and/or collection		
1. Vents upright and undamaged	✓	all vents upright and undamaged
2. Unobstructed openings	✓	vented caps are open and allow free flow of air
3. Settlement and/or boot integrity	✓	good

Town of Dewitt Landfill
Inspection and Maintenance Checklist

E. Surface Water Control		
1. Swales, ditches and down chutes unobstructed	✓	Chutes are clear. rip rap in place some ponded water due to recent rain
2. Culverts open and clear	✓	yes
3. Catch basins and manholes	✓	grates are clear on 2 catch basins, flow is good
F. Monitoring Locations		
1. Monitoring Wells locked, labeled and in tact	✓	yes
2. Surface water and/or leachate locations identifiable and accessible.	✓	yes

General Observations:

Overall conditions are good. Mowing has kept grass at a good height. Some woody shrubs near gas vents were removed today. Recent rain has left some wet spots on flat surfaces, but overall drainage is effective with flow going to downchutes & catch basins. Roads are in good shape and fencing is undamaged. Some tracks from ATVs and motorcycles are visible on landfill and near gates.

Signed: Gerald Gale 10/31/18

Corrective Actions

Inspection Area No.	Solution	Person responsible
C.5	Cut shrubs should be removed from landfill prior to next mowing	T. of Dewitt

Appendix B
Photographic Log

Photographic Log

Photo 1. Fisher Road access gate facing south – October 2018.

Photo 2. Drainage down chute in good condition without woody plants – May 2018.

Photo 3. Woody shrub growing next to gas vent - October 2018.

Photo 4. Down chute with small trees removed since 2016. – May 2018.

Photo 5. Perimeter access road viewing east near Erie Canal. – May 2018.

Photo 6. Healthy grass cover viewing north from south flank of landfill. – May 2018.

Photo 7. Viewing east along southern boundary with Erie Canal. – October 2018.

Photo 8. Access gate at SE corner of landfill near canal barn at Cedar Bay. – October 2018.

Photo 9. Woody brush in need of removal. – October 2018.

Photo 10. Dual storm water culverts under access road. -- May 2018.

Appendix C
Laboratory Reports

- March 2018 - Surface water sampling - Test America Analytical Report Job ID: 480-133285-1.
- May 2018 - Surface water sampling - Test America Analytical Report Job ID: 480-136629-1.
- May 2018 – Gas Vent sampling - Test America Analytical Report Job ID: 200-43643-1
- August 2018 - Surface water sampling - Test America Analytical Report Job ID: 480-140813-1.
- November 2018 – Groundwater and Surface Water Sampling – Test America Report Job ID: 480-145852-1 and 480-146019-1.

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: 480-133285-1
Client Project/Site: Town of Dewitt
Sampling Event: Surfacewater - Quarterly (3,6,9,12)

For:
Town of Dewitt
5400 Butternut Drive
East Syracuse, New York 13057

Attn: Michael Moracco

Authorized for release by:
4/4/2018 11:57:40 AM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

Table of Contents

Definitions/Glossary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-133285-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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: 480-133285-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-133285-1

Comments
No additional comments.

Receipt
The samples were received on 3/29/2018 1:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.3º C.

GC/MS VOA
Method(s) 624: The preservative used in the sample containers provided is not compatible with the Method 624 analytes requested. The following samples were received preserved with hydrochloric acid: SW-1 (480-133285-1), SW-2 (480-133285-2), SW-3 (480-133285-3), TRIP BLANK (480-133285-4), (480-133288-A-2 MS) and (480-133288-A-2 MSD). The requested target analyte list contains 2-Chloroethyl vinyl ether, Acrylonitrile and Acrolein, which are acid-labile compounds that degrade in an acidic medium.

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

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

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

Detection Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-133285-1

Client Sample ID: SW-1 — Lab Sample ID: 480-133285-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.0069	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Total Dissolved Solids	192		10.0	4.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: SW-2 — Lab Sample ID: 480-133285-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.0056	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Total Dissolved Solids	103		10.0	4.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: SW-3 — Lab Sample ID: 480-133285-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.0020	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Total Dissolved Solids	300		10.0	4.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-133285-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-133285-1

Client Sample ID: SW-1

Date Collected: 03/28/18 16:45
Date Received: 03/29/18 01:30

Lab Sample ID: 480-133285-1

Matrix: Surface Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			03/29/18 21:15	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			03/29/18 21:15	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			03/29/18 21:15	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			03/29/18 21:15	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			03/29/18 21:15	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			03/29/18 21:15	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			03/29/18 21:15	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			03/29/18 21:15	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			03/29/18 21:15	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			03/29/18 21:15	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			03/29/18 21:15	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			03/29/18 21:15	1
Acrolein	ND		100	17	ug/L			03/29/18 21:15	1
Acrylonitrile	ND		50	1.9	ug/L			03/29/18 21:15	1
Benzene	ND		5.0	0.60	ug/L			03/29/18 21:15	1
Bromoform	ND		5.0	0.47	ug/L			03/29/18 21:15	1
Bromomethane	ND		5.0	1.2	ug/L			03/29/18 21:15	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			03/29/18 21:15	1
Chlorobenzene	ND		5.0	0.48	ug/L			03/29/18 21:15	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			03/29/18 21:15	1
Chloroethane	ND		5.0	0.87	ug/L			03/29/18 21:15	1
Chloroform	ND		5.0	0.54	ug/L			03/29/18 21:15	1
Chloromethane	ND		5.0	0.64	ug/L			03/29/18 21:15	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			03/29/18 21:15	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			03/29/18 21:15	1
Ethylbenzene	ND		5.0	0.46	ug/L			03/29/18 21:15	1
Methylene Chloride	ND		5.0	0.81	ug/L			03/29/18 21:15	1
Tetrachloroethene	ND		5.0	0.34	ug/L			03/29/18 21:15	1
Toluene	ND		5.0	0.45	ug/L			03/29/18 21:15	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			03/29/18 21:15	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			03/29/18 21:15	1
Trichloroethene	ND		5.0	0.60	ug/L			03/29/18 21:15	1
Vinyl chloride	ND		5.0	0.75	ug/L			03/29/18 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*68 - 130*		*03/29/18 21:15*	*1*
4-Bromofluorobenzene (Surr)	*102*		*76 - 123*		*03/29/18 21:15*	*1*
Toluene-d8 (Surr)	*98*		*77 - 120*		*03/29/18 21:15*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		03/29/18 09:13	03/30/18 10:31	1
Arsenic	ND		0.015	0.0056	mg/L		03/29/18 09:13	03/30/18 10:31	1
Beryllium	ND		0.0020	0.00030	mg/L		03/29/18 09:13	03/30/18 10:31	1
Cadmium	ND		0.0020	0.00050	mg/L		03/29/18 09:13	03/30/18 10:31	1
Chromium	ND		0.0040	0.0010	mg/L		03/29/18 09:13	03/30/18 10:31	1
Copper	ND		0.010	0.0016	mg/L		03/29/18 09:13	03/30/18 10:31	1
Lead	ND		0.010	0.0030	mg/L		03/29/18 09:13	03/30/18 10:31	1
Nickel	ND		0.010	0.0013	mg/L		03/29/18 09:13	03/30/18 10:31	1
Selenium	ND		0.025	0.0087	mg/L		03/29/18 09:13	03/30/18 10:31	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-133285-1

Client Sample ID: SW-1

Date Collected: 03/28/18 16:45
Date Received: 03/29/18 01:30

Lab Sample ID: 480-133285-1

Matrix: Surface Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		03/29/18 09:13	03/30/18 10:31	1
Thallium	ND		0.020	0.010	mg/L		03/29/18 09:13	03/30/18 10:31	1
Zinc	**0.0069**	**J**	0.010	0.0015	mg/L		03/29/18 09:13	03/30/18 10:31	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/29/18 13:05	03/29/18 17:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**192**		10.0	4.0	mg/L			03/30/18 02:23	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-133285-1

Client Sample ID: SW-2

Date Collected: 03/28/18 16:30
Date Received: 03/29/18 01:30

Lab Sample ID: 480-133285-2

Matrix: Surface Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			03/29/18 21:39	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			03/29/18 21:39	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			03/29/18 21:39	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			03/29/18 21:39	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			03/29/18 21:39	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			03/29/18 21:39	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			03/29/18 21:39	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			03/29/18 21:39	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			03/29/18 21:39	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			03/29/18 21:39	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			03/29/18 21:39	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			03/29/18 21:39	1
Acrolein	ND		100	17	ug/L			03/29/18 21:39	1
Acrylonitrile	ND		50	1.9	ug/L			03/29/18 21:39	1
Benzene	ND		5.0	0.60	ug/L			03/29/18 21:39	1
Bromoform	ND		5.0	0.47	ug/L			03/29/18 21:39	1
Bromomethane	ND		5.0	1.2	ug/L			03/29/18 21:39	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			03/29/18 21:39	1
Chlorobenzene	ND		5.0	0.48	ug/L			03/29/18 21:39	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			03/29/18 21:39	1
Chloroethane	ND		5.0	0.87	ug/L			03/29/18 21:39	1
Chloroform	ND		5.0	0.54	ug/L			03/29/18 21:39	1
Chloromethane	ND		5.0	0.64	ug/L			03/29/18 21:39	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			03/29/18 21:39	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			03/29/18 21:39	1
Ethylbenzene	ND		5.0	0.46	ug/L			03/29/18 21:39	1
Methylene Chloride	ND		5.0	0.81	ug/L			03/29/18 21:39	1
Tetrachloroethene	ND		5.0	0.34	ug/L			03/29/18 21:39	1
Toluene	ND		5.0	0.45	ug/L			03/29/18 21:39	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			03/29/18 21:39	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			03/29/18 21:39	1
Trichloroethene	ND		5.0	0.60	ug/L			03/29/18 21:39	1
Vinyl chloride	ND		5.0	0.75	ug/L			03/29/18 21:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*68 - 130*		*03/29/18 21:39*	*1*
4-Bromofluorobenzene (Surr)	*103*		*76 - 123*		*03/29/18 21:39*	*1*
Toluene-d8 (Surr)	*96*		*77 - 120*		*03/29/18 21:39*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		03/29/18 09:13	03/30/18 10:34	1
Arsenic	ND		0.015	0.0056	mg/L		03/29/18 09:13	03/30/18 10:34	1
Beryllium	ND		0.0020	0.00030	mg/L		03/29/18 09:13	03/30/18 10:34	1
Cadmium	ND		0.0020	0.00050	mg/L		03/29/18 09:13	03/30/18 10:34	1
Chromium	ND		0.0040	0.0010	mg/L		03/29/18 09:13	03/30/18 10:34	1
Copper	ND		0.010	0.0016	mg/L		03/29/18 09:13	03/30/18 10:34	1
Lead	ND		0.010	0.0030	mg/L		03/29/18 09:13	03/30/18 10:34	1
Nickel	ND		0.010	0.0013	mg/L		03/29/18 09:13	03/30/18 10:34	1
Selenium	ND		0.025	0.0087	mg/L		03/29/18 09:13	03/30/18 10:34	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-133285-1

Client Sample ID: SW-2

Date Collected: 03/28/18 16:30
Date Received: 03/29/18 01:30

Lab Sample ID: 480-133285-2

Matrix: Surface Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		03/29/18 09:13	03/30/18 10:34	1
Thallium	ND		0.020	0.010	mg/L		03/29/18 09:13	03/30/18 10:34	1
Zinc	**0.0056**	**J**	0.010	0.0015	mg/L		03/29/18 09:13	03/30/18 10:34	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/29/18 13:05	03/29/18 17:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**103**		10.0	4.0	mg/L			03/30/18 02:23	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-133285-1

Client Sample ID: SW-3

Date Collected: 03/28/18 15:10
Date Received: 03/29/18 01:30

Lab Sample ID: 480-133285-3

Matrix: Surface Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			03/29/18 22:03	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			03/29/18 22:03	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			03/29/18 22:03	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			03/29/18 22:03	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			03/29/18 22:03	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			03/29/18 22:03	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			03/29/18 22:03	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			03/29/18 22:03	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			03/29/18 22:03	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			03/29/18 22:03	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			03/29/18 22:03	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			03/29/18 22:03	1
Acrolein	ND		100	17	ug/L			03/29/18 22:03	1
Acrylonitrile	ND		50	1.9	ug/L			03/29/18 22:03	1
Benzene	ND		5.0	0.60	ug/L			03/29/18 22:03	1
Bromoform	ND		5.0	0.47	ug/L			03/29/18 22:03	1
Bromomethane	ND		5.0	1.2	ug/L			03/29/18 22:03	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			03/29/18 22:03	1
Chlorobenzene	ND		5.0	0.48	ug/L			03/29/18 22:03	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			03/29/18 22:03	1
Chloroethane	ND		5.0	0.87	ug/L			03/29/18 22:03	1
Chloroform	ND		5.0	0.54	ug/L			03/29/18 22:03	1
Chloromethane	ND		5.0	0.64	ug/L			03/29/18 22:03	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			03/29/18 22:03	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			03/29/18 22:03	1
Ethylbenzene	ND		5.0	0.46	ug/L			03/29/18 22:03	1
Methylene Chloride	ND		5.0	0.81	ug/L			03/29/18 22:03	1
Tetrachloroethene	ND		5.0	0.34	ug/L			03/29/18 22:03	1
Toluene	ND		5.0	0.45	ug/L			03/29/18 22:03	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			03/29/18 22:03	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			03/29/18 22:03	1
Trichloroethene	ND		5.0	0.60	ug/L			03/29/18 22:03	1
Vinyl chloride	ND		5.0	0.75	ug/L			03/29/18 22:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*68 - 130*		*03/29/18 22:03*	*1*
4-Bromofluorobenzene (Surr)	*102*		*76 - 123*		*03/29/18 22:03*	*1*
Toluene-d8 (Surr)	*96*		*77 - 120*		*03/29/18 22:03*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		03/29/18 09:13	03/30/18 10:38	1
Arsenic	ND		0.015	0.0056	mg/L		03/29/18 09:13	03/30/18 10:38	1
Beryllium	ND		0.0020	0.00030	mg/L		03/29/18 09:13	03/30/18 10:38	1
Cadmium	ND		0.0020	0.00050	mg/L		03/29/18 09:13	03/30/18 10:38	1
Chromium	ND		0.0040	0.0010	mg/L		03/29/18 09:13	03/30/18 10:38	1
Copper	ND		0.010	0.0016	mg/L		03/29/18 09:13	03/30/18 10:38	1
Lead	ND		0.010	0.0030	mg/L		03/29/18 09:13	03/30/18 10:38	1
Nickel	ND		0.010	0.0013	mg/L		03/29/18 09:13	03/30/18 10:38	1
Selenium	ND		0.025	0.0087	mg/L		03/29/18 09:13	03/30/18 10:38	1

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-133285-1

Client Sample ID: SW-3

Date Collected: 03/28/18 15:10
Date Received: 03/29/18 01:30

Lab Sample ID: 480-133285-3

Matrix: Surface Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		03/29/18 09:13	03/30/18 10:38	1
Thallium	ND		0.020	0.010	mg/L		03/29/18 09:13	03/30/18 10:38	1
Zinc	**0.0020**	**J**	0.010	0.0015	mg/L		03/29/18 09:13	03/30/18 10:38	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/29/18 13:05	03/29/18 17:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**300**		10.0	4.0	mg/L			03/30/18 02:23	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-133285-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-133285-4

Date Collected: 03/28/18 00:00
Matrix: Water
Date Received: 03/29/18 01:30

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			03/29/18 22:27	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			03/29/18 22:27	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			03/29/18 22:27	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			03/29/18 22:27	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			03/29/18 22:27	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			03/29/18 22:27	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			03/29/18 22:27	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			03/29/18 22:27	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			03/29/18 22:27	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			03/29/18 22:27	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			03/29/18 22:27	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			03/29/18 22:27	1
Acrolein	ND		100	17	ug/L			03/29/18 22:27	1
Acrylonitrile	ND		50	1.9	ug/L			03/29/18 22:27	1
Benzene	ND		5.0	0.60	ug/L			03/29/18 22:27	1
Bromoform	ND		5.0	0.47	ug/L			03/29/18 22:27	1
Bromomethane	ND		5.0	1.2	ug/L			03/29/18 22:27	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			03/29/18 22:27	1
Chlorobenzene	ND		5.0	0.48	ug/L			03/29/18 22:27	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			03/29/18 22:27	1
Chloroethane	ND		5.0	0.87	ug/L			03/29/18 22:27	1
Chloroform	ND		5.0	0.54	ug/L			03/29/18 22:27	1
Chloromethane	ND		5.0	0.64	ug/L			03/29/18 22:27	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			03/29/18 22:27	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			03/29/18 22:27	1
Ethylbenzene	ND		5.0	0.46	ug/L			03/29/18 22:27	1
Methylene Chloride	ND		5.0	0.81	ug/L			03/29/18 22:27	1
Tetrachloroethene	ND		5.0	0.34	ug/L			03/29/18 22:27	1
Toluene	ND		5.0	0.45	ug/L			03/29/18 22:27	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			03/29/18 22:27	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			03/29/18 22:27	1
Trichloroethene	ND		5.0	0.60	ug/L			03/29/18 22:27	1
Vinyl chloride	ND		5.0	0.75	ug/L			03/29/18 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*68 - 130*		*03/29/18 22:27*	*1*
4-Bromofluorobenzene (Surr)	*103*		*76 - 123*		*03/29/18 22:27*	*1*
Toluene-d8 (Surr)	*98*		*77 - 120*		*03/29/18 22:27*	*1*

Surrogate Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-133285-1

Method: 624 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(77-120)
480-133285-1	SW-1	99	102	98
480-133285-2	SW-2	99	103	96
480-133285-3	SW-3	99	102	96

Surrogate Legend

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

Method: 624 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(77-120)
480-133285-4	TRIP BLANK	99	103	98
LCS 480-406465/6	Lab Control Sample	96	103	99
MB 480-406465/8	Method Blank	98	105	97

Surrogate Legend

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

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-406465/8
Matrix: Water
Analysis Batch: 406465

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		5.0	0.39	ug/L			03/29/18 19:46	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			03/29/18 19:46	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			03/29/18 19:46	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			03/29/18 19:46	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			03/29/18 19:46	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			03/29/18 19:46	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			03/29/18 19:46	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			03/29/18 19:46	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			03/29/18 19:46	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			03/29/18 19:46	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			03/29/18 19:46	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			03/29/18 19:46	1
Acrolein	ND		100	17	ug/L			03/29/18 19:46	1
Acrylonitrile	ND		50	1.9	ug/L			03/29/18 19:46	1
Benzene	ND		5.0	0.60	ug/L			03/29/18 19:46	1
Bromoform	ND		5.0	0.47	ug/L			03/29/18 19:46	1
Bromomethane	ND		5.0	1.2	ug/L			03/29/18 19:46	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			03/29/18 19:46	1
Chlorobenzene	ND		5.0	0.48	ug/L			03/29/18 19:46	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			03/29/18 19:46	1
Chloroethane	ND		5.0	0.87	ug/L			03/29/18 19:46	1
Chloroform	ND		5.0	0.54	ug/L			03/29/18 19:46	1
Chloromethane	ND		5.0	0.64	ug/L			03/29/18 19:46	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			03/29/18 19:46	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			03/29/18 19:46	1
Ethylbenzene	ND		5.0	0.46	ug/L			03/29/18 19:46	1
Methylene Chloride	ND		5.0	0.81	ug/L			03/29/18 19:46	1
Tetrachloroethene	ND		5.0	0.34	ug/L			03/29/18 19:46	1
Toluene	ND		5.0	0.45	ug/L			03/29/18 19:46	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			03/29/18 19:46	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			03/29/18 19:46	1
Trichloroethene	ND		5.0	0.60	ug/L			03/29/18 19:46	1
Vinyl chloride	ND		5.0	0.75	ug/L			03/29/18 19:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*68 - 130*		*03/29/18 19:46*	*1*
4-Bromofluorobenzene (Surr)	*105*		*76 - 123*		*03/29/18 19:46*	*1*
Toluene-d8 (Surr)	*97*		*77 - 120*		*03/29/18 19:46*	*1*

Lab Sample ID: LCS 480-406465/6
Matrix: Water
Analysis Batch: 406465

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	20.0	19.5		ug/L		97	52 - 162
1,1,2,2-Tetrachloroethane	20.0	19.7		ug/L		99	46 - 157
1,1,2-Trichloroethane	20.0	20.1		ug/L		100	52 - 150
1,1-Dichloroethane	20.0	20.0		ug/L		100	59 - 155

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-406465/6
Matrix: Water
Analysis Batch: 406465

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	20.0	19.2		ug/L		96	1 - 234
1,2-Dichlorobenzene	20.0	20.2		ug/L		101	18 - 190
1,2-Dichloroethane	20.0	20.0		ug/L		100	49 - 155
1,2-Dichloropropane	20.0	19.9		ug/L		99	1 - 210
1,3-Dichlorobenzene	20.0	19.4		ug/L		97	59 - 156
1,4-Dichlorobenzene	20.0	20.0		ug/L		100	18 - 190
2-Chloroethyl vinyl ether	20.0	19.4	J	ug/L		97	1 - 305
Benzene	20.0	20.2		ug/L		101	37 - 151
Bromoform	20.0	17.2		ug/L		86	45 - 169
Bromomethane	20.0	19.9		ug/L		100	1 - 242
Carbon tetrachloride	20.0	17.9		ug/L		90	70 - 140
Chlorobenzene	20.0	20.0		ug/L		100	37 - 160
Chlorodibromomethane	20.0	18.8		ug/L		94	53 - 149
Chloroethane	20.0	20.2		ug/L		101	14 - 230
Chloroform	20.0	20.4		ug/L		102	51 - 138
Chloromethane	20.0	18.5		ug/L		93	1 - 273
cis-1,3-Dichloropropene	20.0	20.1		ug/L		101	1 - 227
Dichlorobromomethane	20.0	19.4		ug/L		97	35 - 155
Ethylbenzene	20.0	20.6		ug/L		103	37 - 162
Methylene Chloride	20.0	19.5		ug/L		98	1 - 221
Tetrachloroethene	20.0	18.7		ug/L		93	64 - 148
Toluene	20.0	19.8		ug/L		99	47 - 150
trans-1,2-Dichloroethene	20.0	20.5		ug/L		102	54 - 156
trans-1,3-Dichloropropene	20.0	19.1		ug/L		95	17 - 183
Trichloroethene	20.0	19.1		ug/L		96	71 - 157
Vinyl chloride	20.0	17.1		ug/L		86	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*68 - 130*
4-Bromofluorobenzene (Surr)	*103*		*76 - 123*
Toluene-d8 (Surr)	*99*		*77 - 120*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-406328/1-A
Matrix: Water
Analysis Batch: 406773

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 406328

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		03/29/18 09:13	03/30/18 09:32	1
Arsenic	ND		0.015	0.0056	mg/L		03/29/18 09:13	03/30/18 09:32	1
Beryllium	ND		0.0020	0.00030	mg/L		03/29/18 09:13	03/30/18 09:32	1
Cadmium	ND		0.0020	0.00050	mg/L		03/29/18 09:13	03/30/18 09:32	1
Chromium	ND		0.0040	0.0010	mg/L		03/29/18 09:13	03/30/18 09:32	1
Copper	ND		0.010	0.0016	mg/L		03/29/18 09:13	03/30/18 09:32	1
Lead	ND		0.010	0.0030	mg/L		03/29/18 09:13	03/30/18 09:32	1
Nickel	ND		0.010	0.0013	mg/L		03/29/18 09:13	03/30/18 09:32	1
Selenium	ND		0.025	0.0087	mg/L		03/29/18 09:13	03/30/18 09:32	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-406328/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 406773 — **Prep Batch: 406328**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		03/29/18 09:13	03/30/18 09:32	1
Thallium	ND		0.020	0.010	mg/L		03/29/18 09:13	03/30/18 09:32	1
Zinc	ND		0.010	0.0015	mg/L		03/29/18 09:13	03/30/18 09:32	1

Lab Sample ID: LCS 480-406328/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 406773 — **Prep Batch: 406328**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.200	0.199		mg/L		99	80 - 120
Arsenic	0.200	0.203		mg/L		102	80 - 120
Beryllium	0.200	0.196		mg/L		98	80 - 120
Cadmium	0.200	0.203		mg/L		102	80 - 120
Chromium	0.200	0.205		mg/L		102	80 - 120
Copper	0.200	0.199		mg/L		100	80 - 120
Lead	0.200	0.200		mg/L		100	80 - 120
Nickel	0.200	0.191		mg/L		95	80 - 120
Selenium	0.200	0.198		mg/L		99	80 - 120
Silver	0.0500	0.0537		mg/L		107	80 - 120
Thallium	0.200	0.201		mg/L		100	80 - 120
Zinc	0.200	0.201		mg/L		100	80 - 120

Lab Sample ID: LCSD 480-406328/18-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 406773 — **Prep Batch: 406328**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.200	0.192		mg/L		96	80 - 120	3	20
Arsenic	0.200	0.196		mg/L		98	80 - 120	4	20
Beryllium	0.200	0.190		mg/L		95	80 - 120	3	20
Cadmium	0.200	0.196		mg/L		98	80 - 120	3	20
Chromium	0.200	0.198		mg/L		99	80 - 120	3	20
Copper	0.200	0.192		mg/L		96	80 - 120	4	20
Lead	0.200	0.193		mg/L		97	80 - 120	3	20
Nickel	0.200	0.185		mg/L		93	80 - 120	3	20
Selenium	0.200	0.191		mg/L		96	80 - 120	4	20
Silver	0.0500	0.0515		mg/L		103	80 - 120	4	20
Thallium	0.200	0.193		mg/L		97	80 - 120	4	20
Zinc	0.200	0.194		mg/L		97	80 - 120	3	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-406399/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 406474 — **Prep Batch: 406399**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		03/29/18 13:05	03/29/18 16:34	1

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

Lab Sample ID: LCS 480-406399/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 406474 — **Prep Batch: 406399**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00705		mg/L		106	80 - 120

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 480-406498/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 406498

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			03/30/18 02:23	1

Lab Sample ID: LCS 480-406498/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 406498

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	506	517.0		mg/L		102	85 - 115

QC Association Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-133285-1

GC/MS VOA

Analysis Batch: 406465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-133285-1	SW-1	Total/NA	Surface Water	624	
480-133285-2	SW-2	Total/NA	Surface Water	624	
480-133285-3	SW-3	Total/NA	Surface Water	624	
480-133285-4	TRIP BLANK	Total/NA	Water	624	
MB 480-406465/8	Method Blank	Total/NA	Water	624	
LCS 480-406465/6	Lab Control Sample	Total/NA	Water	624	

Metals

Prep Batch: 406328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-133285-1	SW-1	Total/NA	Surface Water	3005A	
480-133285-2	SW-2	Total/NA	Surface Water	3005A	
480-133285-3	SW-3	Total/NA	Surface Water	3005A	
MB 480-406328/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-406328/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 480-406328/18-A	Lab Control Sample Dup	Total/NA	Water	3005A	

Prep Batch: 406399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-133285-1	SW-1	Total/NA	Surface Water	7470A	
480-133285-2	SW-2	Total/NA	Surface Water	7470A	
480-133285-3	SW-3	Total/NA	Surface Water	7470A	
MB 480-406399/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-406399/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 406474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-133285-1	SW-1	Total/NA	Surface Water	7470A	406399
480-133285-2	SW-2	Total/NA	Surface Water	7470A	406399
480-133285-3	SW-3	Total/NA	Surface Water	7470A	406399
MB 480-406399/1-A	Method Blank	Total/NA	Water	7470A	406399
LCS 480-406399/2-A	Lab Control Sample	Total/NA	Water	7470A	406399

Analysis Batch: 406773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-133285-1	SW-1	Total/NA	Surface Water	6010C	406328
480-133285-2	SW-2	Total/NA	Surface Water	6010C	406328
480-133285-3	SW-3	Total/NA	Surface Water	6010C	406328
MB 480-406328/1-A	Method Blank	Total/NA	Water	6010C	406328
LCS 480-406328/2-A	Lab Control Sample	Total/NA	Water	6010C	406328
LCSD 480-406328/18-A	Lab Control Sample Dup	Total/NA	Water	6010C	406328

General Chemistry

Analysis Batch: 406498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-133285-1	SW-1	Total/NA	Surface Water	SM 2540C	
480-133285-2	SW-2	Total/NA	Surface Water	SM 2540C	
480-133285-3	SW-3	Total/NA	Surface Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 406498 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-406498/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 480-406498/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-133285-1

Client Sample ID: SW-1 — Lab Sample ID: 480-133285-1

Date Collected: 03/28/18 16:45 — **Matrix: Surface Water**
Date Received: 03/29/18 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	406465	03/29/18 21:15	LCH	TAL BUF
Total/NA	Prep	3005A			406328	03/29/18 09:13	SMF	TAL BUF
Total/NA	Analysis	6010C		1	406773	03/30/18 10:31	LMH	TAL BUF
Total/NA	Prep	7470A			406399	03/29/18 13:05	SMF	TAL BUF
Total/NA	Analysis	7470A		1	406474	03/29/18 17:03	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	406498	03/30/18 02:23	KMB	TAL BUF

Client Sample ID: SW-2 — Lab Sample ID: 480-133285-2

Date Collected: 03/28/18 16:30 — **Matrix: Surface Water**
Date Received: 03/29/18 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	406465	03/29/18 21:39	LCH	TAL BUF
Total/NA	Prep	3005A			406328	03/29/18 09:13	SMF	TAL BUF
Total/NA	Analysis	6010C		1	406773	03/30/18 10:34	LMH	TAL BUF
Total/NA	Prep	7470A			406399	03/29/18 13:05	SMF	TAL BUF
Total/NA	Analysis	7470A		1	406474	03/29/18 17:05	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	406498	03/30/18 02:23	KMB	TAL BUF

Client Sample ID: SW-3 — Lab Sample ID: 480-133285-3

Date Collected: 03/28/18 15:10 — **Matrix: Surface Water**
Date Received: 03/29/18 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	406465	03/29/18 22:03	LCH	TAL BUF
Total/NA	Prep	3005A			406328	03/29/18 09:13	SMF	TAL BUF
Total/NA	Analysis	6010C		1	406773	03/30/18 10:38	LMH	TAL BUF
Total/NA	Prep	7470A			406399	03/29/18 13:05	SMF	TAL BUF
Total/NA	Analysis	7470A		1	406474	03/29/18 17:11	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	406498	03/30/18 02:23	KMB	TAL BUF

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-133285-4

Date Collected: 03/28/18 00:00 — **Matrix: Water**
Date Received: 03/29/18 01:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	406465	03/29/18 22:27	LCH	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-133285-1

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-133285-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL BUF

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
SM = "Standard Methods For The Examination Of Water And Wastewater",
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-133285-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-133285-1	SW-1	Surface Water	03/28/18 16:45	03/29/18 01:30
480-133285-2	SW-2	Surface Water	03/28/18 16:30	03/29/18 01:30
480-133285-3	SW-3	Surface Water	03/28/18 15:10	03/29/18 01:30
480-133285-4	TRIP BLANK	Water	03/28/18 00:00	03/29/18 01:30

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Tim Knoller	Lab PM: Johnson, Orlette S	Carrier Track:	COC No: 80-54671-14484.1
Client Contact: Michael Moracco	Phone: 413-230-8415	E-Mail: orlette.johnson@testamericainc.com		Page: Page 1 of 1
Company: Town of Dewitt				Job #:
Address: 5400 Butternut Drive	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13057				
Phone: 315-446-3428(Tel)	PO #: Purchase Order not required			
Email: mmoracco@townofdewitt.com	WO #:			
Project Name: Town of Dewitt/ Event Desc: Surfacewater - Quarterly (3,6,9,12)	Project #: 48009871			
Site: New York	SSOW#:			

480-133285 COC

Analysis Requested

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)	6010C - Priority Pollutant Metals - Filtered	6010C, 7470A	624_5ml - Priority Pollutant List - VOA - 624	2540C_Calcd - Total Dissolved Solids	7470A - Mercury - Filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D	A	N	N		
SW-1	3-28-18	1645	G	Water				X	X	X			
SW-2	3-28-18	1630	G	Water				X	X	X			
SW-3	3-28-18	1510	G	Water				X	X	X			
Trip Blank			G	Water					X				

MK
3-28-18

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Tim Knollmyer	3-28-18 1900	TA	[signature]	3-29-18 0930	TAB

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.3 #1

Ver: 08/04/2016

FIELD OBSERVATIONS

Facility: Town of Dewitt LF **Sample Point ID:** SW-1

Field Personnel: TDK **Sample Matrix:** SW

SAMPLING INFORMATION:

Date/Time 3-28-18 / 1645

Method of Sampling: **Bailer** Grab **Dedicated:** YES

Diameter of Well NA
Well Depth (from top of PVC)
Water Depth (from top of PVC)
Length of water Column
Puge Volume: LWC x 0.17 x 3= **Volume Purged** —

Methane Reading

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1645	0.59	7.30	387	2.99	141.6	14.24

INSTRUMENT CHECK DATA:

See Page 1

Turbidity 0.0 Serial #:
Turbidity 1.0 Serial #:
Turbidity 10.0 Serial #:

pH 4.0 Serial #:
pH 7.0 Serial #:
pH 10.0 Serial #:

Cond Serial #: umhos/cm@25 C

ORP Serial # **Mv**

DO Calibrated to **@**

Weather conditions @ time of sampling: Cloudy 45°

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 3/28/18 **By:** TDK **Company:** TA

2

FIELD OBSERVATIONS

Facility: Town of Dewitt LF **Sample Point ID:** SW-2

Field Personnel: TDK **Sample Matrix:** SW

SAMPLING INFORMATION:

Date/Time 3-28-18, 1630

Method of Sampling: Bailer NA **Dedicated:** YES

Diameter of Well
Well Depth (from top of PVC)
Water Depth (from top of PVC)
Length of water Column
Puge Volume: LWC x 0.17 x 3=

Volume Purged —

Methane Reading

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1630	0.96	6.85	284	5.86	167.9	15.84

INSTRUMENT CHECK DATA: Lamotte 2020 Turb meter

Turbidity 0.0 Serial #: C801968 - Exp 6/19
Turbidity 1.0 Serial #: C801306 - Exp 8/19
Turbidity 10.0 Serial #: C663330 - Exp 4/19

pH 4.0 Serial #: 66 1281 Exp 9-18
pH 7.0 Serial #: 66 1910 Exp 9-18
pH 10.0 Serial #: 66 F797 Exp 6-18

Cond Serial #: 76L100 1.413 umhos/cm@25 C Exp 12-18

ORP Serial # ~~5100~~ 6448 240 Mv 7/18

DO Calibrated to 98.8% @ 1450'

Weather conditions @ time of sampling: Cloudy 45°

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 3/28/18 **By:** TDK **Company:** TA

FIELD OBSERVATIONS

Facility: Town of Dewitt LF **Sample Point ID:** SW-3

Field Personnel: TDK **Sample Matrix:** SW

SAMPLING INFORMATION:

Date/Time 3-28-18/ 1510

Method of Sampling: **Bailer** Grab **Dedicated:** YES

Diameter of Well NA
Well Depth (from top of PVC) ✓
Water Depth (from top of PVC) ✓
Length of water Column ✓
Puge Volume: LWC x 0.17 x 3= ✓ **Volume Purged** ✓

Methane Reading ✓

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1510	0.32	7.66	573	5.71	89.5	10.61

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #: _____
Turbidity 1.0 Serial #: _____
Turbidity 10.0 Serial #: _____

See page 1

pH 4.0 Serial #: _____
pH 7.0 Serial #: _____
pH 10.0 Serial #: _____

Cond Serial #: _____ _____ umhos/cm@25 C

ORP Serial # _____ _____ **Mv**

DO Calibrated to _____ **@** _____

Weather conditions @ time of sampling: Cloudy 45°

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 3/28/18 **By:** TDK **Company:** TA

Login Sample Receipt Checklist

Client: Town of Dewitt

Job Number: 480-133285-1

Login Number: 133285

List Number: 1

Creator: Williams, Christopher S

List Source: 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	TAL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	False	LAB TO CHECK RC

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
Tel: (802)660-1990

TestAmerica Job ID: 200-43643-1
Client Project/Site: Town of Dewitt

For:
Town of Dewitt
5400 Butternut Drive
East Syracuse, New York 13057

Attn: Michael Moracco

Joseph V. Giacomazza

Authorized for release by:
6/13/2018 12:33:18 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

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

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

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

Table of Contents

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: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 200-43643-1

Job ID: 200-43643-1

Laboratory: TestAmerica Burlington

Narrative

Job Narrative
200-43643-1

Comments
No additional comments.

Receipt
The samples were received on 5/31/2018 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice.

Receipt Exceptions
Canister id not written on COC. Id used for canisters is found on canisters matching the client's sample identifications.
V-18 (200-43643-1), V-12 (200-43643-2) and V-11 (200-43643-3)

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

Detection Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 200-43643-1

Client Sample ID: V-18 — Lab Sample ID: 200-43643-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorotetrafluoroethane	45		41	41	ppb v/v	207		TO-15	Total/NA
2,2,4-Trimethylpentane	320		41	41	ppb v/v	207		TO-15	Total/NA
Cyclohexane	300		41	41	ppb v/v	207		TO-15	Total/NA
Dichlorodifluoromethane	470		100	100	ppb v/v	207		TO-15	Total/NA
Freon 22	2600		100	100	ppb v/v	207		TO-15	Total/NA
n-Butane	5100		100	100	ppb v/v	207		TO-15	Total/NA
n-Heptane	350		41	41	ppb v/v	207		TO-15	Total/NA
n-Hexane	1100		41	41	ppb v/v	207		TO-15	Total/NA
Toluene	48		41	41	ppb v/v	207		TO-15	Total/NA
Vinyl chloride	51		41	41	ppb v/v	207		TO-15	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorotetrafluoroethane	310		290	290	ug/m3	207		TO-15	Total/NA
2,2,4-Trimethylpentane	1500		190	190	ug/m3	207		TO-15	Total/NA
Cyclohexane	1000		140	140	ug/m3	207		TO-15	Total/NA
Dichlorodifluoromethane	2300		510	510	ug/m3	207		TO-15	Total/NA
Freon 22	9200		370	370	ug/m3	207		TO-15	Total/NA
n-Butane	12000		250	250	ug/m3	207		TO-15	Total/NA
n-Heptane	1400		170	170	ug/m3	207		TO-15	Total/NA
n-Hexane	3900		150	150	ug/m3	207		TO-15	Total/NA
Toluene	180		160	160	ug/m3	207		TO-15	Total/NA
Vinyl chloride	130		110	110	ug/m3	207		TO-15	Total/NA

Client Sample ID: V-12 — Lab Sample ID: 200-43643-2

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
2,2,4-Trimethylpentane	240		40	40	ppb v/v	197.7		TO-15	Total/NA
Cyclohexane	240		40	40	ppb v/v	197.7		TO-15	Total/NA
Freon 22	2000		99	99	ppb v/v	197.7		TO-15	Total/NA
n-Butane	4000		99	99	ppb v/v	197.7		TO-15	Total/NA
n-Heptane	210		40	40	ppb v/v	197.7		TO-15	Total/NA
n-Hexane	690		40	40	ppb v/v	197.7		TO-15	Total/NA
Trichlorofluoromethane	110		40	40	ppb v/v	197.7		TO-15	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
2,2,4-Trimethylpentane	1100		180	180	ug/m3	197.7		TO-15	Total/NA
Cyclohexane	820		140	140	ug/m3	197.7		TO-15	Total/NA
Freon 22	6900		350	350	ug/m3	197.7		TO-15	Total/NA
n-Butane	9600		230	230	ug/m3	197.7		TO-15	Total/NA
n-Heptane	840		160	160	ug/m3	197.7		TO-15	Total/NA
n-Hexane	2400		140	140	ug/m3	197.7		TO-15	Total/NA
Trichlorofluoromethane	630		220	220	ug/m3	197.7		TO-15	Total/NA

Client Sample ID: V-11 — Lab Sample ID: 200-43643-3

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorotetrafluoroethane	55		40	40	ppb v/v	198		TO-15	Total/NA
2,2,4-Trimethylpentane	390		40	40	ppb v/v	198		TO-15	Total/NA
Benzene	41		40	40	ppb v/v	198		TO-15	Total/NA
Cyclohexane	250		40	40	ppb v/v	198		TO-15	Total/NA
Ethylbenzene	100		40	40	ppb v/v	198		TO-15	Total/NA
Freon 22	1600		99	99	ppb v/v	198		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: V-11 (Continued) — Lab Sample ID: 200-43643-3

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	4700		99	99	ppb v/v	198		TO-15	Total/NA
n-Heptane	410		40	40	ppb v/v	198		TO-15	Total/NA
n-Hexane	1200		40	40	ppb v/v	198		TO-15	Total/NA
Trichlorofluoromethane	77		40	40	ppb v/v	198		TO-15	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorotetrafluoroethane	380		280	280	ug/m3	198		TO-15	Total/NA
2,2,4-Trimethylpentane	1800		190	190	ug/m3	198		TO-15	Total/NA
Benzene	130		130	130	ug/m3	198		TO-15	Total/NA
Cyclohexane	860		140	140	ug/m3	198		TO-15	Total/NA
Ethylbenzene	430		170	170	ug/m3	198		TO-15	Total/NA
Freon 22	5500		350	350	ug/m3	198		TO-15	Total/NA
n-Butane	11000		240	240	ug/m3	198		TO-15	Total/NA
n-Heptane	1700		160	160	ug/m3	198		TO-15	Total/NA
n-Hexane	4400		140	140	ug/m3	198		TO-15	Total/NA
Trichlorofluoromethane	440		220	220	ug/m3	198		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 200-43643-1

Client Sample ID: V-18

Lab Sample ID: 200-43643-1

Date Collected: 05/25/18 12:50
Matrix: Air
Date Received: 05/31/18 09:40
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		41	41	ppb v/v			06/01/18 17:18	207
1,1,2,2-Tetrachloroethane	ND		41	41	ppb v/v			06/01/18 17:18	207
1,1,2-Trichloroethane	ND		41	41	ppb v/v			06/01/18 17:18	207
1,1-Dichloroethane	ND		41	41	ppb v/v			06/01/18 17:18	207
1,1-Dichloroethene	ND		41	41	ppb v/v			06/01/18 17:18	207
1,2,4-Trichlorobenzene	ND		100	100	ppb v/v			06/01/18 17:18	207
1,2,4-Trimethylbenzene	ND		41	41	ppb v/v			06/01/18 17:18	207
1,2-Dibromoethane	ND		41	41	ppb v/v			06/01/18 17:18	207
1,2-Dichlorobenzene	ND		41	41	ppb v/v			06/01/18 17:18	207
1,2-Dichloroethane	ND		41	41	ppb v/v			06/01/18 17:18	207
1,2-Dichloroethene, Total	ND		83	83	ppb v/v			06/01/18 17:18	207
1,2-Dichloropropane	ND		41	41	ppb v/v			06/01/18 17:18	207
1,2-Dichlorotetrafluoroethane	**45**		41	41	ppb v/v			06/01/18 17:18	207
1,3,5-Trimethylbenzene	ND		41	41	ppb v/v			06/01/18 17:18	207
1,3-Butadiene	ND		41	41	ppb v/v			06/01/18 17:18	207
1,3-Dichlorobenzene	ND		41	41	ppb v/v			06/01/18 17:18	207
1,4-Dichlorobenzene	ND		41	41	ppb v/v			06/01/18 17:18	207
1,4-Dioxane	ND		1000	1000	ppb v/v			06/01/18 17:18	207
2,2,4-Trimethylpentane	**320**		41	41	ppb v/v			06/01/18 17:18	207
2-Chlorotoluene	ND		41	41	ppb v/v			06/01/18 17:18	207
3-Chloropropene	ND		100	100	ppb v/v			06/01/18 17:18	207
4-Ethyltoluene	ND		41	41	ppb v/v			06/01/18 17:18	207
4-Isopropyltoluene	ND		41	41	ppb v/v			06/01/18 17:18	207
Acetone	ND		1000	1000	ppb v/v			06/01/18 17:18	207
Benzene	ND		41	41	ppb v/v			06/01/18 17:18	207
Benzyl chloride	ND		41	41	ppb v/v			06/01/18 17:18	207
Bromodichloromethane	ND		41	41	ppb v/v			06/01/18 17:18	207
Bromoethene(Vinyl Bromide)	ND		41	41	ppb v/v			06/01/18 17:18	207
Bromoform	ND		41	41	ppb v/v			06/01/18 17:18	207
Bromomethane	ND		41	41	ppb v/v			06/01/18 17:18	207
Carbon disulfide	ND		100	100	ppb v/v			06/01/18 17:18	207
Carbon tetrachloride	ND		41	41	ppb v/v			06/01/18 17:18	207
Chlorobenzene	ND		41	41	ppb v/v			06/01/18 17:18	207
Chloroethane	ND		100	100	ppb v/v			06/01/18 17:18	207
Chloroform	ND		41	41	ppb v/v			06/01/18 17:18	207
Chloromethane	ND		100	100	ppb v/v			06/01/18 17:18	207
cis-1,2-Dichloroethene	ND		41	41	ppb v/v			06/01/18 17:18	207
cis-1,3-Dichloropropene	ND		41	41	ppb v/v			06/01/18 17:18	207
Cumene	ND		41	41	ppb v/v			06/01/18 17:18	207
Cyclohexane	**300**		41	41	ppb v/v			06/01/18 17:18	207
Dibromochloromethane	ND		41	41	ppb v/v			06/01/18 17:18	207
Dichlorodifluoromethane	**470**		100	100	ppb v/v			06/01/18 17:18	207
Ethylbenzene	ND		41	41	ppb v/v			06/01/18 17:18	207
Freon 22	**2600**		100	100	ppb v/v			06/01/18 17:18	207
Freon TF	ND		41	41	ppb v/v			06/01/18 17:18	207
Hexachlorobutadiene	ND		41	41	ppb v/v			06/01/18 17:18	207
Isopropyl alcohol	ND		1000	1000	ppb v/v			06/01/18 17:18	207
m,p-Xylene	ND		100	100	ppb v/v			06/01/18 17:18	207

Client Sample ID: V-18

Lab Sample ID: 200-43643-1

Date Collected: 05/25/18 12:50
Matrix: Air
Date Received: 05/31/18 09:40
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	ND		100	100	ppb v/v			06/01/18 17:18	207
Methyl Ethyl Ketone	ND		100	100	ppb v/v			06/01/18 17:18	207
methyl isobutyl ketone	ND		100	100	ppb v/v			06/01/18 17:18	207
Methyl methacrylate	ND		100	100	ppb v/v			06/01/18 17:18	207
Methyl tert-butyl ether	ND		41	41	ppb v/v			06/01/18 17:18	207
Methylene Chloride	ND		100	100	ppb v/v			06/01/18 17:18	207
Naphthalene	ND		100	100	ppb v/v			06/01/18 17:18	207
n-Butane	**5100**		100	100	ppb v/v			06/01/18 17:18	207
n-Butylbenzene	ND		41	41	ppb v/v			06/01/18 17:18	207
n-Heptane	**350**		41	41	ppb v/v			06/01/18 17:18	207
n-Hexane	**1100**		41	41	ppb v/v			06/01/18 17:18	207
n-Propylbenzene	ND		41	41	ppb v/v			06/01/18 17:18	207
sec-Butylbenzene	ND		41	41	ppb v/v			06/01/18 17:18	207
Styrene	ND		41	41	ppb v/v			06/01/18 17:18	207
tert-Butyl alcohol	ND		1000	1000	ppb v/v			06/01/18 17:18	207
tert-Butylbenzene	ND		41	41	ppb v/v			06/01/18 17:18	207
Tetrachloroethene	ND		41	41	ppb v/v			06/01/18 17:18	207
Tetrahydrofuran	ND		1000	1000	ppb v/v			06/01/18 17:18	207
Toluene	**48**		41	41	ppb v/v			06/01/18 17:18	207
trans-1,2-Dichloroethene	ND		41	41	ppb v/v			06/01/18 17:18	207
trans-1,3-Dichloropropene	ND		41	41	ppb v/v			06/01/18 17:18	207
Trichloroethene	ND		41	41	ppb v/v			06/01/18 17:18	207
Trichlorofluoromethane	ND		41	41	ppb v/v			06/01/18 17:18	207
Vinyl chloride	**51**		41	41	ppb v/v			06/01/18 17:18	207
Xylene (total)	ND		140	140	ppb v/v			06/01/18 17:18	207
Xylene, o-	ND		41	41	ppb v/v			06/01/18 17:18	207

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		230	230	ug/m3			06/01/18 17:18	207
1,1,2,2-Tetrachloroethane	ND		280	280	ug/m3			06/01/18 17:18	207
1,1,2-Trichloroethane	ND		230	230	ug/m3			06/01/18 17:18	207
1,1-Dichloroethane	ND		170	170	ug/m3			06/01/18 17:18	207
1,1-Dichloroethene	ND		160	160	ug/m3			06/01/18 17:18	207
1,2,4-Trichlorobenzene	ND		770	770	ug/m3			06/01/18 17:18	207
1,2,4-Trimethylbenzene	ND		200	200	ug/m3			06/01/18 17:18	207
1,2-Dibromoethane	ND		320	320	ug/m3			06/01/18 17:18	207
1,2-Dichlorobenzene	ND		250	250	ug/m3			06/01/18 17:18	207
1,2-Dichloroethane	ND		170	170	ug/m3			06/01/18 17:18	207
1,2-Dichloroethene, Total	ND		330	330	ug/m3			06/01/18 17:18	207
1,2-Dichloropropane	ND		190	190	ug/m3			06/01/18 17:18	207
1,2-Dichlorotetrafluoroethane	**310**		290	290	ug/m3			06/01/18 17:18	207
1,3,5-Trimethylbenzene	ND		200	200	ug/m3			06/01/18 17:18	207
1,3-Butadiene	ND		92	92	ug/m3			06/01/18 17:18	207
1,3-Dichlorobenzene	ND		250	250	ug/m3			06/01/18 17:18	207
1,4-Dichlorobenzene	ND		250	250	ug/m3			06/01/18 17:18	207
1,4-Dioxane	ND		3700	3700	ug/m3			06/01/18 17:18	207
2,2,4-Trimethylpentane	**1500**		190	190	ug/m3			06/01/18 17:18	207
2-Chlorotoluene	ND		210	210	ug/m3			06/01/18 17:18	207
3-Chloropropene	ND		320	320	ug/m3			06/01/18 17:18	207

Client Sample ID: V-18

Lab Sample ID: 200-43643-1

Date Collected: 05/25/18 12:50
Matrix: Air
Date Received: 05/31/18 09:40
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Ethyltoluene	ND		200	200	ug/m3			06/01/18 17:18	207
4-Isopropyltoluene	ND		230	230	ug/m3			06/01/18 17:18	207
Acetone	ND		2500	2500	ug/m3			06/01/18 17:18	207
Benzene	ND		130	130	ug/m3			06/01/18 17:18	207
Benzyl chloride	ND		210	210	ug/m3			06/01/18 17:18	207
Bromodichloromethane	ND		280	280	ug/m3			06/01/18 17:18	207
Bromoethene(Vinyl Bromide)	ND		180	180	ug/m3			06/01/18 17:18	207
Bromoform	ND		430	430	ug/m3			06/01/18 17:18	207
Bromomethane	ND		160	160	ug/m3			06/01/18 17:18	207
Carbon disulfide	ND		320	320	ug/m3			06/01/18 17:18	207
Carbon tetrachloride	ND		260	260	ug/m3			06/01/18 17:18	207
Chlorobenzene	ND		190	190	ug/m3			06/01/18 17:18	207
Chloroethane	ND		270	270	ug/m3			06/01/18 17:18	207
Chloroform	ND		200	200	ug/m3			06/01/18 17:18	207
Chloromethane	ND		210	210	ug/m3			06/01/18 17:18	207
cis-1,2-Dichloroethene	ND		160	160	ug/m3			06/01/18 17:18	207
cis-1,3-Dichloropropene	ND		190	190	ug/m3			06/01/18 17:18	207
Cumene	ND		200	200	ug/m3			06/01/18 17:18	207
Cyclohexane	**1000**		140	140	ug/m3			06/01/18 17:18	207
Dibromochloromethane	ND		350	350	ug/m3			06/01/18 17:18	207
Dichlorodifluoromethane	**2300**		510	510	ug/m3			06/01/18 17:18	207
Ethylbenzene	ND		180	180	ug/m3			06/01/18 17:18	207
Freon 22	**9200**		370	370	ug/m3			06/01/18 17:18	207
Freon TF	ND		320	320	ug/m3			06/01/18 17:18	207
Hexachlorobutadiene	ND		440	440	ug/m3			06/01/18 17:18	207
Isopropyl alcohol	ND		2500	2500	ug/m3			06/01/18 17:18	207
m,p-Xylene	ND		450	450	ug/m3			06/01/18 17:18	207
Methyl Butyl Ketone (2-Hexanone)	ND		420	420	ug/m3			06/01/18 17:18	207
Methyl Ethyl Ketone	ND		310	310	ug/m3			06/01/18 17:18	207
methyl isobutyl ketone	ND		420	420	ug/m3			06/01/18 17:18	207
Methyl methacrylate	ND		420	420	ug/m3			06/01/18 17:18	207
Methyl tert-butyl ether	ND		150	150	ug/m3			06/01/18 17:18	207
Methylene Chloride	ND		360	360	ug/m3			06/01/18 17:18	207
Naphthalene	ND		540	540	ug/m3			06/01/18 17:18	207
n-Butane	**12000**		250	250	ug/m3			06/01/18 17:18	207
n-Butylbenzene	ND		230	230	ug/m3			06/01/18 17:18	207
n-Heptane	**1400**		170	170	ug/m3			06/01/18 17:18	207
n-Hexane	**3900**		150	150	ug/m3			06/01/18 17:18	207
n-Propylbenzene	ND		200	200	ug/m3			06/01/18 17:18	207
sec-Butylbenzene	ND		230	230	ug/m3			06/01/18 17:18	207
Styrene	ND		180	180	ug/m3			06/01/18 17:18	207
tert-Butyl alcohol	ND		3100	3100	ug/m3			06/01/18 17:18	207
tert-Butylbenzene	ND		230	230	ug/m3			06/01/18 17:18	207
Tetrachloroethene	ND		280	280	ug/m3			06/01/18 17:18	207
Tetrahydrofuran	ND		3100	3100	ug/m3			06/01/18 17:18	207
Toluene	**180**		160	160	ug/m3			06/01/18 17:18	207
trans-1,2-Dichloroethene	ND		160	160	ug/m3			06/01/18 17:18	207
trans-1,3-Dichloropropene	ND		190	190	ug/m3			06/01/18 17:18	207

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 200-43643-1

Client Sample ID: V-18

Lab Sample ID: 200-43643-1

Date Collected: 05/25/18 12:50
Matrix: Air
Date Received: 05/31/18 09:40
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		220	220	ug/m3			06/01/18 17:18	207
Trichlorofluoromethane	ND		230	230	ug/m3			06/01/18 17:18	207
Vinyl chloride	**130**		110	110	ug/m3			06/01/18 17:18	207
Xylene (total)	ND		630	630	ug/m3			06/01/18 17:18	207
Xylene, o-	ND		180	180	ug/m3			06/01/18 17:18	207

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 200-43643-1

Client Sample ID: V-12

Lab Sample ID: 200-43643-2

Date Collected: 05/25/18 13:00
Matrix: Air
Date Received: 05/31/18 09:40
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	40	ppb v/v			06/01/18 18:09	197.7
1,1,2,2-Tetrachloroethane	ND		40	40	ppb v/v			06/01/18 18:09	197.7
1,1,2-Trichloroethane	ND		40	40	ppb v/v			06/01/18 18:09	197.7
1,1-Dichloroethane	ND		40	40	ppb v/v			06/01/18 18:09	197.7
1,1-Dichloroethene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
1,2,4-Trichlorobenzene	ND		99	99	ppb v/v			06/01/18 18:09	197.7
1,2,4-Trimethylbenzene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
1,2-Dibromoethane	ND		40	40	ppb v/v			06/01/18 18:09	197.7
1,2-Dichlorobenzene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
1,2-Dichloroethane	ND		40	40	ppb v/v			06/01/18 18:09	197.7
1,2-Dichloroethene, Total	ND		79	79	ppb v/v			06/01/18 18:09	197.7
1,2-Dichloropropane	ND		40	40	ppb v/v			06/01/18 18:09	197.7
1,2-Dichlorotetrafluoroethane	ND		40	40	ppb v/v			06/01/18 18:09	197.7
1,3,5-Trimethylbenzene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
1,3-Butadiene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
1,3-Dichlorobenzene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
1,4-Dichlorobenzene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
1,4-Dioxane	ND		990	990	ppb v/v			06/01/18 18:09	197.7
2,2,4-Trimethylpentane	**240**		40	40	ppb v/v			06/01/18 18:09	197.7
2-Chlorotoluene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
3-Chloropropene	ND		99	99	ppb v/v			06/01/18 18:09	197.7
4-Ethyltoluene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
4-Isopropyltoluene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Acetone	ND		990	990	ppb v/v			06/01/18 18:09	197.7
Benzene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Benzyl chloride	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Bromodichloromethane	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Bromoethene(Vinyl Bromide)	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Bromoform	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Bromomethane	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Carbon disulfide	ND		99	99	ppb v/v			06/01/18 18:09	197.7
Carbon tetrachloride	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Chlorobenzene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Chloroethane	ND		99	99	ppb v/v			06/01/18 18:09	197.7
Chloroform	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Chloromethane	ND		99	99	ppb v/v			06/01/18 18:09	197.7
cis-1,2-Dichloroethene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
cis-1,3-Dichloropropene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Cumene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Cyclohexane	**240**		40	40	ppb v/v			06/01/18 18:09	197.7
Dibromochloromethane	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Dichlorodifluoromethane	ND		99	99	ppb v/v			06/01/18 18:09	197.7
Ethylbenzene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Freon 22	**2000**		99	99	ppb v/v			06/01/18 18:09	197.7
Freon TF	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Hexachlorobutadiene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Isopropyl alcohol	ND		990	990	ppb v/v			06/01/18 18:09	197.7
m,p-Xylene	ND		99	99	ppb v/v			06/01/18 18:09	197.7

Client Sample ID: V-12

Lab Sample ID: 200-43643-2

Date Collected: 05/25/18 13:00
Matrix: Air
Date Received: 05/31/18 09:40
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	ND		99	99	ppb v/v			06/01/18 18:09	197.7
Methyl Ethyl Ketone	ND		99	99	ppb v/v			06/01/18 18:09	197.7
methyl isobutyl ketone	ND		99	99	ppb v/v			06/01/18 18:09	197.7
Methyl methacrylate	ND		99	99	ppb v/v			06/01/18 18:09	197.7
Methyl tert-butyl ether	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Methylene Chloride	ND		99	99	ppb v/v			06/01/18 18:09	197.7
Naphthalene	ND		99	99	ppb v/v			06/01/18 18:09	197.7
n-Butane	**4000**		99	99	ppb v/v			06/01/18 18:09	197.7
n-Butylbenzene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
n-Heptane	**210**		40	40	ppb v/v			06/01/18 18:09	197.7
n-Hexane	**690**		40	40	ppb v/v			06/01/18 18:09	197.7
n-Propylbenzene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
sec-Butylbenzene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Styrene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
tert-Butyl alcohol	ND		990	990	ppb v/v			06/01/18 18:09	197.7
tert-Butylbenzene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Tetrachloroethene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Tetrahydrofuran	ND		990	990	ppb v/v			06/01/18 18:09	197.7
Toluene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
trans-1,2-Dichloroethene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
trans-1,3-Dichloropropene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Trichloroethene	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Trichlorofluoromethane	**110**		40	40	ppb v/v			06/01/18 18:09	197.7
Vinyl chloride	ND		40	40	ppb v/v			06/01/18 18:09	197.7
Xylene (total)	ND		140	140	ppb v/v			06/01/18 18:09	197.7
Xylene, o-	ND		40	40	ppb v/v			06/01/18 18:09	197.7

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		220	220	ug/m3			06/01/18 18:09	197.7
1,1,2,2-Tetrachloroethane	ND		270	270	ug/m3			06/01/18 18:09	197.7
1,1,2-Trichloroethane	ND		220	220	ug/m3			06/01/18 18:09	197.7
1,1-Dichloroethane	ND		160	160	ug/m3			06/01/18 18:09	197.7
1,1-Dichloroethene	ND		160	160	ug/m3			06/01/18 18:09	197.7
1,2,4-Trichlorobenzene	ND		730	730	ug/m3			06/01/18 18:09	197.7
1,2,4-Trimethylbenzene	ND		190	190	ug/m3			06/01/18 18:09	197.7
1,2-Dibromoethane	ND		300	300	ug/m3			06/01/18 18:09	197.7
1,2-Dichlorobenzene	ND		240	240	ug/m3			06/01/18 18:09	197.7
1,2-Dichloroethane	ND		160	160	ug/m3			06/01/18 18:09	197.7
1,2-Dichloroethene, Total	ND		310	310	ug/m3			06/01/18 18:09	197.7
1,2-Dichloropropane	ND		180	180	ug/m3			06/01/18 18:09	197.7
1,2-Dichlorotetrafluoroethane	ND		280	280	ug/m3			06/01/18 18:09	197.7
1,3,5-Trimethylbenzene	ND		190	190	ug/m3			06/01/18 18:09	197.7
1,3-Butadiene	ND		87	87	ug/m3			06/01/18 18:09	197.7
1,3-Dichlorobenzene	ND		240	240	ug/m3			06/01/18 18:09	197.7
1,4-Dichlorobenzene	ND		240	240	ug/m3			06/01/18 18:09	197.7
1,4-Dioxane	ND		3600	3600	ug/m3			06/01/18 18:09	197.7
2,2,4-Trimethylpentane	**1100**		180	180	ug/m3			06/01/18 18:09	197.7
2-Chlorotoluene	ND		200	200	ug/m3			06/01/18 18:09	197.7
3-Chloropropene	ND		310	310	ug/m3			06/01/18 18:09	197.7

Client Sample ID: V-12

Lab Sample ID: 200-43643-2

Date Collected: 05/25/18 13:00
Matrix: Air
Date Received: 05/31/18 09:40
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Ethyltoluene	ND		190	190	ug/m3			06/01/18 18:09	197.7
4-Isopropyltoluene	ND		220	220	ug/m3			06/01/18 18:09	197.7
Acetone	ND		2300	2300	ug/m3			06/01/18 18:09	197.7
Benzene	ND		130	130	ug/m3			06/01/18 18:09	197.7
Benzyl chloride	ND		200	200	ug/m3			06/01/18 18:09	197.7
Bromodichloromethane	ND		260	260	ug/m3			06/01/18 18:09	197.7
Bromoethene(Vinyl Bromide)	ND		170	170	ug/m3			06/01/18 18:09	197.7
Bromoform	ND		410	410	ug/m3			06/01/18 18:09	197.7
Bromomethane	ND		150	150	ug/m3			06/01/18 18:09	197.7
Carbon disulfide	ND		310	310	ug/m3			06/01/18 18:09	197.7
Carbon tetrachloride	ND		250	250	ug/m3			06/01/18 18:09	197.7
Chlorobenzene	ND		180	180	ug/m3			06/01/18 18:09	197.7
Chloroethane	ND		260	260	ug/m3			06/01/18 18:09	197.7
Chloroform	ND		190	190	ug/m3			06/01/18 18:09	197.7
Chloromethane	ND		200	200	ug/m3			06/01/18 18:09	197.7
cis-1,2-Dichloroethene	ND		160	160	ug/m3			06/01/18 18:09	197.7
cis-1,3-Dichloropropene	ND		180	180	ug/m3			06/01/18 18:09	197.7
Cumene	ND		190	190	ug/m3			06/01/18 18:09	197.7
Cyclohexane	**820**		140	140	ug/m3			06/01/18 18:09	197.7
Dibromochloromethane	ND		340	340	ug/m3			06/01/18 18:09	197.7
Dichlorodifluoromethane	ND		490	490	ug/m3			06/01/18 18:09	197.7
Ethylbenzene	ND		170	170	ug/m3			06/01/18 18:09	197.7
Freon 22	**6900**		350	350	ug/m3			06/01/18 18:09	197.7
Freon TF	ND		300	300	ug/m3			06/01/18 18:09	197.7
Hexachlorobutadiene	ND		420	420	ug/m3			06/01/18 18:09	197.7
Isopropyl alcohol	ND		2400	2400	ug/m3			06/01/18 18:09	197.7
m,p-Xylene	ND		430	430	ug/m3			06/01/18 18:09	197.7
Methyl Butyl Ketone (2-Hexanone)	ND		410	410	ug/m3			06/01/18 18:09	197.7
Methyl Ethyl Ketone	ND		290	290	ug/m3			06/01/18 18:09	197.7
methyl isobutyl ketone	ND		400	400	ug/m3			06/01/18 18:09	197.7
Methyl methacrylate	ND		400	400	ug/m3			06/01/18 18:09	197.7
Methyl tert-butyl ether	ND		140	140	ug/m3			06/01/18 18:09	197.7
Methylene Chloride	ND		340	340	ug/m3			06/01/18 18:09	197.7
Naphthalene	ND		520	520	ug/m3			06/01/18 18:09	197.7
n-Butane	**9600**		230	230	ug/m3			06/01/18 18:09	197.7
n-Butylbenzene	ND		220	220	ug/m3			06/01/18 18:09	197.7
n-Heptane	**840**		160	160	ug/m3			06/01/18 18:09	197.7
n-Hexane	**2400**		140	140	ug/m3			06/01/18 18:09	197.7
n-Propylbenzene	ND		190	190	ug/m3			06/01/18 18:09	197.7
sec-Butylbenzene	ND		220	220	ug/m3			06/01/18 18:09	197.7
Styrene	ND		170	170	ug/m3			06/01/18 18:09	197.7
tert-Butyl alcohol	ND		3000	3000	ug/m3			06/01/18 18:09	197.7
tert-Butylbenzene	ND		220	220	ug/m3			06/01/18 18:09	197.7
Tetrachloroethene	ND		270	270	ug/m3			06/01/18 18:09	197.7
Tetrahydrofuran	ND		2900	2900	ug/m3			06/01/18 18:09	197.7
Toluene	ND		150	150	ug/m3			06/01/18 18:09	197.7
trans-1,2-Dichloroethene	ND		160	160	ug/m3			06/01/18 18:09	197.7
trans-1,3-Dichloropropene	ND		180	180	ug/m3			06/01/18 18:09	197.7

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 200-43643-1

Client Sample ID: V-12

Lab Sample ID: 200-43643-2

Date Collected: 05/25/18 13:00
Matrix: Air
Date Received: 05/31/18 09:40
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		210	210	ug/m3			06/01/18 18:09	197.7
Trichlorofluoromethane	**630**		220	220	ug/m3			06/01/18 18:09	197.7
Vinyl chloride	ND		100	100	ug/m3			06/01/18 18:09	197.7
Xylene (total)	ND		600	600	ug/m3			06/01/18 18:09	197.7
Xylene, o-	ND		170	170	ug/m3			06/01/18 18:09	197.7

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 200-43643-1

Client Sample ID: V-11

Lab Sample ID: 200-43643-3

Date Collected: 05/25/18 13:10
Date Received: 05/31/18 09:40
Sample Container: Summa Canister 6L

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		40	40	ppb v/v			06/01/18 19:00	198
1,1,2,2-Tetrachloroethane	ND		40	40	ppb v/v			06/01/18 19:00	198
1,1,2-Trichloroethane	ND		40	40	ppb v/v			06/01/18 19:00	198
1,1-Dichloroethane	ND		40	40	ppb v/v			06/01/18 19:00	198
1,1-Dichloroethene	ND		40	40	ppb v/v			06/01/18 19:00	198
1,2,4-Trichlorobenzene	ND		99	99	ppb v/v			06/01/18 19:00	198
1,2,4-Trimethylbenzene	ND		40	40	ppb v/v			06/01/18 19:00	198
1,2-Dibromoethane	ND		40	40	ppb v/v			06/01/18 19:00	198
1,2-Dichlorobenzene	ND		40	40	ppb v/v			06/01/18 19:00	198
1,2-Dichloroethane	ND		40	40	ppb v/v			06/01/18 19:00	198
1,2-Dichloroethene, Total	ND		79	79	ppb v/v			06/01/18 19:00	198
1,2-Dichloropropane	ND		40	40	ppb v/v			06/01/18 19:00	198
1,2-Dichlorotetrafluoroethane	**55**		40	40	ppb v/v			06/01/18 19:00	198
1,3,5-Trimethylbenzene	ND		40	40	ppb v/v			06/01/18 19:00	198
1,3-Butadiene	ND		40	40	ppb v/v			06/01/18 19:00	198
1,3-Dichlorobenzene	ND		40	40	ppb v/v			06/01/18 19:00	198
1,4-Dichlorobenzene	ND		40	40	ppb v/v			06/01/18 19:00	198
1,4-Dioxane	ND		990	990	ppb v/v			06/01/18 19:00	198
2,2,4-Trimethylpentane	**390**		40	40	ppb v/v			06/01/18 19:00	198
2-Chlorotoluene	ND		40	40	ppb v/v			06/01/18 19:00	198
3-Chloropropene	ND		99	99	ppb v/v			06/01/18 19:00	198
4-Ethyltoluene	ND		40	40	ppb v/v			06/01/18 19:00	198
4-Isopropyltoluene	ND		40	40	ppb v/v			06/01/18 19:00	198
Acetone	ND		990	990	ppb v/v			06/01/18 19:00	198
Benzene	**41**		40	40	ppb v/v			06/01/18 19:00	198
Benzyl chloride	ND		40	40	ppb v/v			06/01/18 19:00	198
Bromodichloromethane	ND		40	40	ppb v/v			06/01/18 19:00	198
Bromoethene(Vinyl Bromide)	ND		40	40	ppb v/v			06/01/18 19:00	198
Bromoform	ND		40	40	ppb v/v			06/01/18 19:00	198
Bromomethane	ND		40	40	ppb v/v			06/01/18 19:00	198
Carbon disulfide	ND		99	99	ppb v/v			06/01/18 19:00	198
Carbon tetrachloride	ND		40	40	ppb v/v			06/01/18 19:00	198
Chlorobenzene	ND		40	40	ppb v/v			06/01/18 19:00	198
Chloroethane	ND		99	99	ppb v/v			06/01/18 19:00	198
Chloroform	ND		40	40	ppb v/v			06/01/18 19:00	198
Chloromethane	ND		99	99	ppb v/v			06/01/18 19:00	198
cis-1,2-Dichloroethene	ND		40	40	ppb v/v			06/01/18 19:00	198
cis-1,3-Dichloropropene	ND		40	40	ppb v/v			06/01/18 19:00	198
Cumene	ND		40	40	ppb v/v			06/01/18 19:00	198
Cyclohexane	**250**		40	40	ppb v/v			06/01/18 19:00	198
Dibromochloromethane	ND		40	40	ppb v/v			06/01/18 19:00	198
Dichlorodifluoromethane	ND		99	99	ppb v/v			06/01/18 19:00	198
Ethylbenzene	**100**		40	40	ppb v/v			06/01/18 19:00	198
Freon 22	**1600**		99	99	ppb v/v			06/01/18 19:00	198
Freon TF	ND		40	40	ppb v/v			06/01/18 19:00	198
Hexachlorobutadiene	ND		40	40	ppb v/v			06/01/18 19:00	198
Isopropyl alcohol	ND		990	990	ppb v/v			06/01/18 19:00	198
m,p-Xylene	ND		99	99	ppb v/v			06/01/18 19:00	198

Client Sample ID: V-11

Lab Sample ID: 200-43643-3

Date Collected: 05/25/18 13:10
Matrix: Air
Date Received: 05/31/18 09:40
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	ND		99	99	ppb v/v			06/01/18 19:00	198
Methyl Ethyl Ketone	ND		99	99	ppb v/v			06/01/18 19:00	198
methyl isobutyl ketone	ND		99	99	ppb v/v			06/01/18 19:00	198
Methyl methacrylate	ND		99	99	ppb v/v			06/01/18 19:00	198
Methyl tert-butyl ether	ND		40	40	ppb v/v			06/01/18 19:00	198
Methylene Chloride	ND		99	99	ppb v/v			06/01/18 19:00	198
Naphthalene	ND		99	99	ppb v/v			06/01/18 19:00	198
n-Butane	**4700**		99	99	ppb v/v			06/01/18 19:00	198
n-Butylbenzene	ND		40	40	ppb v/v			06/01/18 19:00	198
n-Heptane	**410**		40	40	ppb v/v			06/01/18 19:00	198
n-Hexane	**1200**		40	40	ppb v/v			06/01/18 19:00	198
n-Propylbenzene	ND		40	40	ppb v/v			06/01/18 19:00	198
sec-Butylbenzene	ND		40	40	ppb v/v			06/01/18 19:00	198
Styrene	ND		40	40	ppb v/v			06/01/18 19:00	198
tert-Butyl alcohol	ND		990	990	ppb v/v			06/01/18 19:00	198
tert-Butylbenzene	ND		40	40	ppb v/v			06/01/18 19:00	198
Tetrachloroethene	ND		40	40	ppb v/v			06/01/18 19:00	198
Tetrahydrofuran	ND		990	990	ppb v/v			06/01/18 19:00	198
Toluene	ND		40	40	ppb v/v			06/01/18 19:00	198
trans-1,2-Dichloroethene	ND		40	40	ppb v/v			06/01/18 19:00	198
trans-1,3-Dichloropropene	ND		40	40	ppb v/v			06/01/18 19:00	198
Trichloroethene	ND		40	40	ppb v/v			06/01/18 19:00	198
Trichlorofluoromethane	**77**		40	40	ppb v/v			06/01/18 19:00	198
Vinyl chloride	ND		40	40	ppb v/v			06/01/18 19:00	198
Xylene (total)	ND		140	140	ppb v/v			06/01/18 19:00	198
Xylene, o-	ND		40	40	ppb v/v			06/01/18 19:00	198

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		220	220	ug/m3			06/01/18 19:00	198
1,1,2,2-Tetrachloroethane	ND		270	270	ug/m3			06/01/18 19:00	198
1,1,2-Trichloroethane	ND		220	220	ug/m3			06/01/18 19:00	198
1,1-Dichloroethane	ND		160	160	ug/m3			06/01/18 19:00	198
1,1-Dichloroethene	ND		160	160	ug/m3			06/01/18 19:00	198
1,2,4-Trichlorobenzene	ND		730	730	ug/m3			06/01/18 19:00	198
1,2,4-Trimethylbenzene	ND		190	190	ug/m3			06/01/18 19:00	198
1,2-Dibromoethane	ND		300	300	ug/m3			06/01/18 19:00	198
1,2-Dichlorobenzene	ND		240	240	ug/m3			06/01/18 19:00	198
1,2-Dichloroethane	ND		160	160	ug/m3			06/01/18 19:00	198
1,2-Dichloroethene, Total	ND		310	310	ug/m3			06/01/18 19:00	198
1,2-Dichloropropane	ND		180	180	ug/m3			06/01/18 19:00	198
1,2-Dichlorotetrafluoroethane	**380**		280	280	ug/m3			06/01/18 19:00	198
1,3,5-Trimethylbenzene	ND		190	190	ug/m3			06/01/18 19:00	198
1,3-Butadiene	ND		88	88	ug/m3			06/01/18 19:00	198
1,3-Dichlorobenzene	ND		240	240	ug/m3			06/01/18 19:00	198
1,4-Dichlorobenzene	ND		240	240	ug/m3			06/01/18 19:00	198
1,4-Dioxane	ND		3600	3600	ug/m3			06/01/18 19:00	198
2,2,4-Trimethylpentane	**1800**		190	190	ug/m3			06/01/18 19:00	198
2-Chlorotoluene	ND		210	210	ug/m3			06/01/18 19:00	198
3-Chloropropene	ND		310	310	ug/m3			06/01/18 19:00	198

Client Sample ID: V-11

Lab Sample ID: 200-43643-3

Date Collected: 05/25/18 13:10
Matrix: Air
Date Received: 05/31/18 09:40
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
4-Ethyltoluene	ND		190	190	ug/m3			06/01/18 19:00	198
4-Isopropyltoluene	ND		220	220	ug/m3			06/01/18 19:00	198
Acetone	ND		2400	2400	ug/m3			06/01/18 19:00	198
Benzene	**130**		130	130	ug/m3			06/01/18 19:00	198
Benzyl chloride	ND		210	210	ug/m3			06/01/18 19:00	198
Bromodichloromethane	ND		270	270	ug/m3			06/01/18 19:00	198
Bromoethene(Vinyl Bromide)	ND		170	170	ug/m3			06/01/18 19:00	198
Bromoform	ND		410	410	ug/m3			06/01/18 19:00	198
Bromomethane	ND		150	150	ug/m3			06/01/18 19:00	198
Carbon disulfide	ND		310	310	ug/m3			06/01/18 19:00	198
Carbon tetrachloride	ND		250	250	ug/m3			06/01/18 19:00	198
Chlorobenzene	ND		180	180	ug/m3			06/01/18 19:00	198
Chloroethane	ND		260	260	ug/m3			06/01/18 19:00	198
Chloroform	ND		190	190	ug/m3			06/01/18 19:00	198
Chloromethane	ND		200	200	ug/m3			06/01/18 19:00	198
cis-1,2-Dichloroethene	ND		160	160	ug/m3			06/01/18 19:00	198
cis-1,3-Dichloropropene	ND		180	180	ug/m3			06/01/18 19:00	198
Cumene	ND		190	190	ug/m3			06/01/18 19:00	198
Cyclohexane	**860**		140	140	ug/m3			06/01/18 19:00	198
Dibromochloromethane	ND		340	340	ug/m3			06/01/18 19:00	198
Dichlorodifluoromethane	ND		490	490	ug/m3			06/01/18 19:00	198
Ethylbenzene	**430**		170	170	ug/m3			06/01/18 19:00	198
Freon 22	**5500**		350	350	ug/m3			06/01/18 19:00	198
Freon TF	ND		300	300	ug/m3			06/01/18 19:00	198
Hexachlorobutadiene	ND		420	420	ug/m3			06/01/18 19:00	198
Isopropyl alcohol	ND		2400	2400	ug/m3			06/01/18 19:00	198
m,p-Xylene	ND		430	430	ug/m3			06/01/18 19:00	198
Methyl Butyl Ketone (2-Hexanone)	ND		410	410	ug/m3			06/01/18 19:00	198
Methyl Ethyl Ketone	ND		290	290	ug/m3			06/01/18 19:00	198
methyl isobutyl ketone	ND		410	410	ug/m3			06/01/18 19:00	198
Methyl methacrylate	ND		410	410	ug/m3			06/01/18 19:00	198
Methyl tert-butyl ether	ND		140	140	ug/m3			06/01/18 19:00	198
Methylene Chloride	ND		340	340	ug/m3			06/01/18 19:00	198
Naphthalene	ND		520	520	ug/m3			06/01/18 19:00	198
n-Butane	**11000**		240	240	ug/m3			06/01/18 19:00	198
n-Butylbenzene	ND		220	220	ug/m3			06/01/18 19:00	198
n-Heptane	**1700**		160	160	ug/m3			06/01/18 19:00	198
n-Hexane	**4400**		140	140	ug/m3			06/01/18 19:00	198
n-Propylbenzene	ND		190	190	ug/m3			06/01/18 19:00	198
sec-Butylbenzene	ND		220	220	ug/m3			06/01/18 19:00	198
Styrene	ND		170	170	ug/m3			06/01/18 19:00	198
tert-Butyl alcohol	ND		3000	3000	ug/m3			06/01/18 19:00	198
tert-Butylbenzene	ND		220	220	ug/m3			06/01/18 19:00	198
Tetrachloroethene	ND		270	270	ug/m3			06/01/18 19:00	198
Tetrahydrofuran	ND		2900	2900	ug/m3			06/01/18 19:00	198
Toluene	ND		150	150	ug/m3			06/01/18 19:00	198
trans-1,2-Dichloroethene	ND		160	160	ug/m3			06/01/18 19:00	198
trans-1,3-Dichloropropene	ND		180	180	ug/m3			06/01/18 19:00	198

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 200-43643-1

Client Sample ID: V-11

Lab Sample ID: 200-43643-3

Date Collected: 05/25/18 13:10
Matrix: Air
Date Received: 05/31/18 09:40
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		210	210	ug/m3			06/01/18 19:00	198
Trichlorofluoromethane	**440**		220	220	ug/m3			06/01/18 19:00	198
Vinyl chloride	ND		100	100	ug/m3			06/01/18 19:00	198
Xylene (total)	ND		600	600	ug/m3			06/01/18 19:00	198
Xylene, o-	ND		170	170	ug/m3			06/01/18 19:00	198

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-130156/6
Matrix: Air
Analysis Batch: 130156

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
1,1,2-Trichloroethane	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
1,1-Dichloroethane	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
1,1-Dichloroethene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
1,2,4-Trichlorobenzene	ND		0.50	0.50	ppb v/v			06/01/18 13:19	1
1,2,4-Trimethylbenzene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
1,2-Dibromoethane	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
1,2-Dichlorobenzene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
1,2-Dichloroethane	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
1,2-Dichloroethene, Total	ND		0.40	0.40	ppb v/v			06/01/18 13:19	1
1,2-Dichloropropane	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
1,2-Dichlorotetrafluoroethane	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
1,3,5-Trimethylbenzene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
1,3-Butadiene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
1,3-Dichlorobenzene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
1,4-Dichlorobenzene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
1,4-Dioxane	ND		5.0	5.0	ppb v/v			06/01/18 13:19	1
2,2,4-Trimethylpentane	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
2-Chlorotoluene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
3-Chloropropene	ND		0.50	0.50	ppb v/v			06/01/18 13:19	1
4-Ethyltoluene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
4-Isopropyltoluene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Acetone	ND		5.0	5.0	ppb v/v			06/01/18 13:19	1
Benzene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Benzyl chloride	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Bromodichloromethane	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Bromoethene(Vinyl Bromide)	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Bromoform	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Bromomethane	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Carbon disulfide	ND		0.50	0.50	ppb v/v			06/01/18 13:19	1
Carbon tetrachloride	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Chlorobenzene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Chloroethane	ND		0.50	0.50	ppb v/v			06/01/18 13:19	1
Chloroform	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Chloromethane	ND		0.50	0.50	ppb v/v			06/01/18 13:19	1
cis-1,2-Dichloroethene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
cis-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Cumene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Cyclohexane	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Dibromochloromethane	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Dichlorodifluoromethane	ND		0.50	0.50	ppb v/v			06/01/18 13:19	1
Ethylbenzene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Freon 22	ND		0.50	0.50	ppb v/v			06/01/18 13:19	1
Freon TF	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Hexachlorobutadiene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Isopropyl alcohol	ND		5.0	5.0	ppb v/v			06/01/18 13:19	1
m,p-Xylene	ND		0.50	0.50	ppb v/v			06/01/18 13:19	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-130156/6
Matrix: Air
Analysis Batch: 130156

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	ND		0.50	0.50	ppb v/v			06/01/18 13:19	1
Methyl Ethyl Ketone	ND		0.50	0.50	ppb v/v			06/01/18 13:19	1
methyl isobutyl ketone	ND		0.50	0.50	ppb v/v			06/01/18 13:19	1
Methyl methacrylate	ND		0.50	0.50	ppb v/v			06/01/18 13:19	1
Methyl tert-butyl ether	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Methylene Chloride	ND		0.50	0.50	ppb v/v			06/01/18 13:19	1
Naphthalene	ND		0.50	0.50	ppb v/v			06/01/18 13:19	1
n-Butane	ND		0.50	0.50	ppb v/v			06/01/18 13:19	1
n-Butylbenzene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
n-Heptane	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
n-Hexane	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
n-Propylbenzene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
sec-Butylbenzene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Styrene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
tert-Butyl alcohol	ND		5.0	5.0	ppb v/v			06/01/18 13:19	1
tert-Butylbenzene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Tetrachloroethene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Tetrahydrofuran	ND		5.0	5.0	ppb v/v			06/01/18 13:19	1
Toluene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
trans-1,2-Dichloroethene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
trans-1,3-Dichloropropene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Trichloroethene	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Trichlorofluoromethane	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Vinyl chloride	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1
Xylene (total)	ND		0.70	0.70	ppb v/v			06/01/18 13:19	1
Xylene, o-	ND		0.20	0.20	ppb v/v			06/01/18 13:19	1

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.1	1.1	ug/m3			06/01/18 13:19	1
1,1,2,2-Tetrachloroethane	ND		1.4	1.4	ug/m3			06/01/18 13:19	1
1,1,2-Trichloroethane	ND		1.1	1.1	ug/m3			06/01/18 13:19	1
1,1-Dichloroethane	ND		0.81	0.81	ug/m3			06/01/18 13:19	1
1,1-Dichloroethene	ND		0.79	0.79	ug/m3			06/01/18 13:19	1
1,2,4-Trichlorobenzene	ND		3.7	3.7	ug/m3			06/01/18 13:19	1
1,2,4-Trimethylbenzene	ND		0.98	0.98	ug/m3			06/01/18 13:19	1
1,2-Dibromoethane	ND		1.5	1.5	ug/m3			06/01/18 13:19	1
1,2-Dichlorobenzene	ND		1.2	1.2	ug/m3			06/01/18 13:19	1
1,2-Dichloroethane	ND		0.81	0.81	ug/m3			06/01/18 13:19	1
1,2-Dichloroethene, Total	ND		1.6	1.6	ug/m3			06/01/18 13:19	1
1,2-Dichloropropane	ND		0.92	0.92	ug/m3			06/01/18 13:19	1
1,2-Dichlorotetrafluoroethane	ND		1.4	1.4	ug/m3			06/01/18 13:19	1
1,3,5-Trimethylbenzene	ND		0.98	0.98	ug/m3			06/01/18 13:19	1
1,3-Butadiene	ND		0.44	0.44	ug/m3			06/01/18 13:19	1
1,3-Dichlorobenzene	ND		1.2	1.2	ug/m3			06/01/18 13:19	1
1,4-Dichlorobenzene	ND		1.2	1.2	ug/m3			06/01/18 13:19	1
1,4-Dioxane	ND		18	18	ug/m3			06/01/18 13:19	1
2,2,4-Trimethylpentane	ND		0.93	0.93	ug/m3			06/01/18 13:19	1
2-Chlorotoluene	ND		1.0	1.0	ug/m3			06/01/18 13:19	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-130156/6
Matrix: Air
Analysis Batch: 130156

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
3-Chloropropene	ND		1.6	1.6	ug/m3			06/01/18 13:19	1
4-Ethyltoluene	ND		0.98	0.98	ug/m3			06/01/18 13:19	1
4-Isopropyltoluene	ND		1.1	1.1	ug/m3			06/01/18 13:19	1
Acetone	ND		12	12	ug/m3			06/01/18 13:19	1
Benzene	ND		0.64	0.64	ug/m3			06/01/18 13:19	1
Benzyl chloride	ND		1.0	1.0	ug/m3			06/01/18 13:19	1
Bromodichloromethane	ND		1.3	1.3	ug/m3			06/01/18 13:19	1
Bromoethene(Vinyl Bromide)	ND		0.87	0.87	ug/m3			06/01/18 13:19	1
Bromoform	ND		2.1	2.1	ug/m3			06/01/18 13:19	1
Bromomethane	ND		0.78	0.78	ug/m3			06/01/18 13:19	1
Carbon disulfide	ND		1.6	1.6	ug/m3			06/01/18 13:19	1
Carbon tetrachloride	ND		1.3	1.3	ug/m3			06/01/18 13:19	1
Chlorobenzene	ND		0.92	0.92	ug/m3			06/01/18 13:19	1
Chloroethane	ND		1.3	1.3	ug/m3			06/01/18 13:19	1
Chloroform	ND		0.98	0.98	ug/m3			06/01/18 13:19	1
Chloromethane	ND		1.0	1.0	ug/m3			06/01/18 13:19	1
cis-1,2-Dichloroethene	ND		0.79	0.79	ug/m3			06/01/18 13:19	1
cis-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			06/01/18 13:19	1
Cumene	ND		0.98	0.98	ug/m3			06/01/18 13:19	1
Cyclohexane	ND		0.69	0.69	ug/m3			06/01/18 13:19	1
Dibromochloromethane	ND		1.7	1.7	ug/m3			06/01/18 13:19	1
Dichlorodifluoromethane	ND		2.5	2.5	ug/m3			06/01/18 13:19	1
Ethylbenzene	ND		0.87	0.87	ug/m3			06/01/18 13:19	1
Freon 22	ND		1.8	1.8	ug/m3			06/01/18 13:19	1
Freon TF	ND		1.5	1.5	ug/m3			06/01/18 13:19	1
Hexachlorobutadiene	ND		2.1	2.1	ug/m3			06/01/18 13:19	1
Isopropyl alcohol	ND		12	12	ug/m3			06/01/18 13:19	1
m,p-Xylene	ND		2.2	2.2	ug/m3			06/01/18 13:19	1
Methyl Butyl Ketone (2-Hexanone)	ND		2.0	2.0	ug/m3			06/01/18 13:19	1
Methyl Ethyl Ketone	ND		1.5	1.5	ug/m3			06/01/18 13:19	1
methyl isobutyl ketone	ND		2.0	2.0	ug/m3			06/01/18 13:19	1
Methyl methacrylate	ND		2.0	2.0	ug/m3			06/01/18 13:19	1
Methyl tert-butyl ether	ND		0.72	0.72	ug/m3			06/01/18 13:19	1
Methylene Chloride	ND		1.7	1.7	ug/m3			06/01/18 13:19	1
Naphthalene	ND		2.6	2.6	ug/m3			06/01/18 13:19	1
n-Butane	ND		1.2	1.2	ug/m3			06/01/18 13:19	1
n-Butylbenzene	ND		1.1	1.1	ug/m3			06/01/18 13:19	1
n-Heptane	ND		0.82	0.82	ug/m3			06/01/18 13:19	1
n-Hexane	ND		0.70	0.70	ug/m3			06/01/18 13:19	1
n-Propylbenzene	ND		0.98	0.98	ug/m3			06/01/18 13:19	1
sec-Butylbenzene	ND		1.1	1.1	ug/m3			06/01/18 13:19	1
Styrene	ND		0.85	0.85	ug/m3			06/01/18 13:19	1
tert-Butyl alcohol	ND		15	15	ug/m3			06/01/18 13:19	1
tert-Butylbenzene	ND		1.1	1.1	ug/m3			06/01/18 13:19	1
Tetrachloroethene	ND		1.4	1.4	ug/m3			06/01/18 13:19	1
Tetrahydrofuran	ND		15	15	ug/m3			06/01/18 13:19	1
Toluene	ND		0.75	0.75	ug/m3			06/01/18 13:19	1
trans-1,2-Dichloroethene	ND		0.79	0.79	ug/m3			06/01/18 13:19	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-130156/6
Matrix: Air
Analysis Batch: 130156

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

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		0.91	0.91	ug/m3			06/01/18 13:19	1
Trichloroethene	ND		1.1	1.1	ug/m3			06/01/18 13:19	1
Trichlorofluoromethane	ND		1.1	1.1	ug/m3			06/01/18 13:19	1
Vinyl chloride	ND		0.51	0.51	ug/m3			06/01/18 13:19	1
Xylene (total)	ND		3.0	3.0	ug/m3			06/01/18 13:19	1
Xylene, o-	ND		0.87	0.87	ug/m3			06/01/18 13:19	1

Lab Sample ID: LCS 200-130156/3
Matrix: Air
Analysis Batch: 130156

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	10.0	10.5		ppb v/v		105	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.4		ppb v/v		104	69 - 129
1,1,2-Trichloroethane	10.0	9.87		ppb v/v		99	69 - 129
1,1-Dichloroethane	10.0	9.47		ppb v/v		95	66 - 126
1,1-Dichloroethene	10.0	9.54		ppb v/v		95	67 - 127
1,2,4-Trichlorobenzene	10.0	10.1		ppb v/v		101	59 - 126
1,2,4-Trimethylbenzene	10.0	10.3		ppb v/v		103	65 - 125
1,2-Dibromoethane	10.0	9.86		ppb v/v		99	70 - 130
1,2-Dichlorobenzene	10.0	10.4		ppb v/v		104	67 - 127
1,2-Dichloroethane	10.0	10.9		ppb v/v		109	67 - 132
1,2-Dichloropropane	10.0	9.47		ppb v/v		95	67 - 127
1,2-Dichlorotetrafluoroethane	10.0	10.3		ppb v/v		103	78 - 138
1,3,5-Trimethylbenzene	10.0	10.2		ppb v/v		102	65 - 125
1,3-Butadiene	10.0	9.72		ppb v/v		97	59 - 125
1,3-Dichlorobenzene	10.0	10.5		ppb v/v		105	67 - 127
1,4-Dichlorobenzene	10.0	10.3		ppb v/v		103	66 - 126
1,4-Dioxane	10.0	11.8		ppb v/v		118	66 - 132
2,2,4-Trimethylpentane	10.0	9.78		ppb v/v		98	67 - 127
2-Chlorotoluene	10.0	10.4		ppb v/v		104	67 - 127
3-Chloropropene	10.0	9.64		ppb v/v		96	53 - 133
4-Ethyltoluene	10.0	10.5		ppb v/v		105	69 - 129
4-Isopropyltoluene	10.0	10.6		ppb v/v		106	67 - 129
Acetone	10.0	10.2		ppb v/v		102	64 - 136
Benzene	10.0	9.50		ppb v/v		95	67 - 127
Benzyl chloride	10.0	11.1		ppb v/v		111	54 - 135
Bromodichloromethane	10.0	10.7		ppb v/v		107	69 - 129
Bromoethene(Vinyl Bromide)	10.0	9.83		ppb v/v		98	67 - 127
Bromoform	10.0	13.0		ppb v/v		130	34 - 170
Bromomethane	10.0	9.88		ppb v/v		99	68 - 128
Carbon disulfide	10.0	9.77		ppb v/v		98	81 - 141
Carbon tetrachloride	10.0	11.1		ppb v/v		111	62 - 143
Chlorobenzene	10.0	9.15		ppb v/v		92	68 - 128
Chloroethane	10.0	9.62		ppb v/v		96	65 - 125
Chloroform	10.0	9.70		ppb v/v		97	69 - 129
Chloromethane	10.0	9.80		ppb v/v		98	57 - 126
cis-1,2-Dichloroethene	10.0	9.29		ppb v/v		93	67 - 127

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-130156/3
Matrix: Air
Analysis Batch: 130156

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	10.0	9.84		ppb v/v		98	70 - 130
Cumene	10.0	10.1		ppb v/v		101	67 - 127
Cyclohexane	10.0	9.73		ppb v/v		97	69 - 129
Dibromochloromethane	10.0	10.9		ppb v/v		109	66 - 130
Dichlorodifluoromethane	10.0	11.1		ppb v/v		111	68 - 128
Ethylbenzene	10.0	9.96		ppb v/v		100	68 - 128
Freon 22	10.0	11.0		ppb v/v		110	64 - 128
Freon TF	10.0	9.76		ppb v/v		98	68 - 128
Hexachlorobutadiene	10.0	10.3		ppb v/v		103	62 - 130
Isopropyl alcohol	10.0	11.3		ppb v/v		113	55 - 124
m,p-Xylene	20.0	19.4		ppb v/v		97	68 - 128
Methyl Butyl Ketone (2-Hexanone)	10.0	11.3		ppb v/v		113	61 - 127
Methyl Ethyl Ketone	10.0	9.82		ppb v/v		98	62 - 122
methyl isobutyl ketone	10.0	11.5		ppb v/v		115	62 - 130
Methyl methacrylate	10.0	10.5		ppb v/v		105	70 - 130
Methyl tert-butyl ether	10.0	9.92		ppb v/v		99	67 - 127
Methylene Chloride	10.0	10.0		ppb v/v		100	62 - 122
Naphthalene	10.0	8.67		ppb v/v		87	50 - 121
n-Butane	10.0	10.1		ppb v/v		101	56 - 130
n-Butylbenzene	10.0	11.1		ppb v/v		111	67 - 127
n-Heptane	10.0	9.90		ppb v/v		99	62 - 130
n-Hexane	10.0	9.48		ppb v/v		95	71 - 131
n-Propylbenzene	10.0	10.3		ppb v/v		103	67 - 127
sec-Butylbenzene	10.0	10.3		ppb v/v		103	66 - 126
Styrene	10.0	10.4		ppb v/v		104	68 - 128
tert-Butyl alcohol	10.0	11.2		ppb v/v		112	64 - 124
tert-Butylbenzene	10.0	10.1		ppb v/v		101	63 - 125
Tetrachloroethene	10.0	9.26		ppb v/v		93	70 - 130
Tetrahydrofuran	10.0	10.7		ppb v/v		107	61 - 136
Toluene	10.0	9.38		ppb v/v		94	67 - 127
trans-1,2-Dichloroethene	10.0	9.87		ppb v/v		99	72 - 132
trans-1,3-Dichloropropene	10.0	10.2		ppb v/v		102	69 - 129
Trichloroethene	10.0	9.53		ppb v/v		95	68 - 128
Trichlorofluoromethane	10.0	10.1		ppb v/v		101	67 - 127
Vinyl chloride	10.0	10.1		ppb v/v		101	62 - 125
Xylene, o-	10.0	9.83		ppb v/v		98	67 - 127

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	55	57.1		ug/m3		105	70 - 130
1,1,2,2-Tetrachloroethane	69	71.3		ug/m3		104	69 - 129
1,1,2-Trichloroethane	55	53.9		ug/m3		99	69 - 129
1,1-Dichloroethane	40	38.3		ug/m3		95	66 - 126
1,1-Dichloroethene	40	37.8		ug/m3		95	67 - 127
1,2,4-Trichlorobenzene	74	75.2		ug/m3		101	59 - 126
1,2,4-Trimethylbenzene	49	50.7		ug/m3		103	65 - 125
1,2-Dibromoethane	77	75.8		ug/m3		99	70 - 130
1,2-Dichlorobenzene	60	62.5		ug/m3		104	67 - 127

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-130156/3
Matrix: Air
Analysis Batch: 130156

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	40	44.2		ug/m3		109	67 - 132
1,2-Dichloropropane	46	43.8		ug/m3		95	67 - 127
1,2-Dichlorotetrafluoroethane	70	72.3		ug/m3		103	78 - 138
1,3,5-Trimethylbenzene	49	50.0		ug/m3		102	65 - 125
1,3-Butadiene	22	21.5		ug/m3		97	59 - 125
1,3-Dichlorobenzene	60	63.2		ug/m3		105	67 - 127
1,4-Dichlorobenzene	60	62.2		ug/m3		103	66 - 126
1,4-Dioxane	36	42.6		ug/m3		118	66 - 132
2,2,4-Trimethylpentane	47	45.7		ug/m3		98	67 - 127
2-Chlorotoluene	52	53.6		ug/m3		104	67 - 127
3-Chloropropene	31	30.2		ug/m3		96	53 - 133
4-Ethyltoluene	49	51.4		ug/m3		105	69 - 129
4-Isopropyltoluene	55	58.1		ug/m3		106	67 - 129
Acetone	24	24.3		ug/m3		102	64 - 136
Benzene	32	30.4		ug/m3		95	67 - 127
Benzyl chloride	52	57.3		ug/m3		111	54 - 135
Bromodichloromethane	67	72.0		ug/m3		107	69 - 129
Bromoethene(Vinyl Bromide)	44	43.0		ug/m3		98	67 - 127
Bromoform	100	134		ug/m3		130	34 - 170
Bromomethane	39	38.4		ug/m3		99	68 - 128
Carbon disulfide	31	30.4		ug/m3		98	81 - 141
Carbon tetrachloride	63	69.9		ug/m3		111	62 - 143
Chlorobenzene	46	42.1		ug/m3		92	68 - 128
Chloroethane	26	25.4		ug/m3		96	65 - 125
Chloroform	49	47.3		ug/m3		97	69 - 129
Chloromethane	21	20.2		ug/m3		98	57 - 126
cis-1,2-Dichloroethene	40	36.8		ug/m3		93	67 - 127
cis-1,3-Dichloropropene	45	44.7		ug/m3		98	70 - 130
Cumene	49	49.4		ug/m3		101	67 - 127
Cyclohexane	34	33.5		ug/m3		97	69 - 129
Dibromochloromethane	85	92.6		ug/m3		109	66 - 130
Dichlorodifluoromethane	49	54.7		ug/m3		111	68 - 128
Ethylbenzene	43	43.2		ug/m3		100	68 - 128
Freon 22	35	39.0		ug/m3		110	64 - 128
Freon TF	77	74.8		ug/m3		98	68 - 128
Hexachlorobutadiene	110	110		ug/m3		103	62 - 130
Isopropyl alcohol	25	27.9		ug/m3		113	55 - 124
m,p-Xylene	87	84.4		ug/m3		97	68 - 128
Methyl Butyl Ketone (2-Hexanone)	41	46.3		ug/m3		113	61 - 127
Methyl Ethyl Ketone	29	28.9		ug/m3		98	62 - 122
methyl isobutyl ketone	41	47.0		ug/m3		115	62 - 130
Methyl methacrylate	41	42.9		ug/m3		105	70 - 130
Methyl tert-butyl ether	36	35.8		ug/m3		99	67 - 127
Methylene Chloride	35	34.9		ug/m3		100	62 - 122
Naphthalene	52	45.5		ug/m3		87	50 - 121
n-Butane	24	24.0		ug/m3		101	56 - 130
n-Butylbenzene	55	60.9		ug/m3		111	67 - 127

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-130156/3
Matrix: Air
Analysis Batch: 130156

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
n-Heptane	41	40.6		ug/m3		99	62 - 130
n-Hexane	35	33.4		ug/m3		95	71 - 131
n-Propylbenzene	49	50.7		ug/m3		103	67 - 127
sec-Butylbenzene	55	56.7		ug/m3		103	66 - 126
Styrene	43	44.1		ug/m3		104	68 - 128
tert-Butyl alcohol	30	34.0		ug/m3		112	64 - 124
tert-Butylbenzene	55	55.3		ug/m3		101	63 - 125
Tetrachloroethene	68	62.8		ug/m3		93	70 - 130
Tetrahydrofuran	29	31.6		ug/m3		107	61 - 136
Toluene	38	35.3		ug/m3		94	67 - 127
trans-1,2-Dichloroethene	40	39.1		ug/m3		99	72 - 132
trans-1,3-Dichloropropene	45	46.1		ug/m3		102	69 - 129
Trichloroethene	54	51.2		ug/m3		95	68 - 128
Trichlorofluoromethane	56	56.6		ug/m3		101	67 - 127
Vinyl chloride	26	25.7		ug/m3		101	62 - 125
Xylene, o-	43	42.7		ug/m3		98	67 - 127

QC Association Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 200-43643-1

Air - GC/MS VOA

Analysis Batch: 130156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-43643-1	V-18	Total/NA	Air	TO-15	
200-43643-2	V-12	Total/NA	Air	TO-15	
200-43643-3	V-11	Total/NA	Air	TO-15	
MB 200-130156/6	Method Blank	Total/NA	Air	TO-15	
LCS 200-130156/3	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 200-43643-1

Client Sample ID: V-18 — Lab Sample ID: 200-43643-1

Date Collected: 05/25/18 12:50 — **Matrix: Air**
Date Received: 05/31/18 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		207	130156	06/01/18 17:18	A1B	TAL BUR

Client Sample ID: V-12 — Lab Sample ID: 200-43643-2

Date Collected: 05/25/18 13:00 — **Matrix: Air**
Date Received: 05/31/18 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		197.7	130156	06/01/18 18:09	A1B	TAL BUR

Client Sample ID: V-11 — Lab Sample ID: 200-43643-3

Date Collected: 05/25/18 13:10 — **Matrix: Air**
Date Received: 05/31/18 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		198	130156	06/01/18 19:00	A1B	TAL BUR

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 200-43643-1

Laboratory: TestAmerica Burlington

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

Authority	Program	EPA Region	Identification Number	Expiration Date
ANAB	DoD ELAP		L2336	02-25-20
Connecticut	State Program	1	PH-0751	09-30-19
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-01-19
Florida	NELAP	4	E87467	06-30-18 *
Maine	State Program	1	VT00008	04-17-19
Minnesota	NELAP	5	050-999-436	12-31-18
New Jersey	NELAP	2	VT972	06-30-18 *
New York	NELAP	2	10391	04-01-19
Pennsylvania	NELAP	3	68-00489	04-30-19
Rhode Island	State Program	1	LAO00298	12-30-18
US Fish & Wildlife	Federal		LE-058448-0	07-31-18
USDA	Federal		P330-11-00093	07-24-20
Vermont	State Program	1	VT-4000	12-31-18
Virginia	NELAP	3	460209	12-14-18

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 200-43643-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 200-43643-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-43643-1	V-18	Air	05/25/18 12:50	05/31/18 09:40
200-43643-2	V-12	Air	05/25/18 13:00	05/31/18 09:40
200-43643-3	V-11	Air	05/25/18 13:10	05/31/18 09:40

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802.660.1990 fax 802.660.1919

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact Information	**Client Project Manager:** 1	**Samples Collected By:** Tim Knollmeyer	COC No: 1 of 1 COCs
Company Name: Town of Dewitt	Phone:		
Address:	Email:		
City/State/Zip			
Phone:	Site Contact:		For Lab Use Only:
FAX:	Tel/Fax		Walk-in Client:
Project Name: Dewitt LF	Anaylsis Turnaround Time		Lab Sampling:
Site/Location:	Standard (Specific):		Job / SDG No.:
P O #	Rush (Specifiy):		(See below for Add'l Items)

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, 'Hg (Start)'	Canister Vacuum in Field, 'Hg (Stop)'	Flow Controller ID	Canister ID	TO-14/15 (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes sectio	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
V-18	5.25.18	1250						X														
V-12	5.25.18	1300						X														
V-11	5.25.18	1310						X														
						TDLC																
						5-25-18																

200-43643 Chain of Custody

Temperature (Fahrenheit)			
Start	Interior	Ambient	
Stop			

Pressure (inches of Hg)			
Start	Interior	Ambient	
Stop			

Special Instructions/QC Requirements & Comments:

Samples Shipped by: Tim Knollmeyer	Date / Time: 5.29.18 1600	Samples Received by: JABL 5/31/18 0940
Samples Relinquished by:	Date / Time:	Received by:
Relinquished by:	Date / Time:	Received by:
Lab Use Only: Shipper Name:	Opened by:	Condition:

Form No. CA-C-WI-003, Rev. 2.5, dated 9/22/2017

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

159469-434 RIT2 EXP 02/19

FROM: (518) 438-8140
TIM KNOLLMEYER
TESTAMERICA LAB INC
25 KRAFT AVE

ALBANY NY 12205
US

SHIP DATE: 29MAY18
ACTWGT: 23.00 LB
CAD: 0439821/CAFE3111

BILL 3rd PARTY

546C2/7828/53C1

TO SAMPLE RECEIVING/ CALLAHAN
TESTAMERICA – BURLINGTON
30 COMMUNITY DRIVE, SUITE 11

BURLINGTON VT 05403 (US)
(802) 660-1990
REF: DEWITT LF

FedEx Ground

J17010161020001v

TRK# 4300 6536 9193

05403

9622 0417 3 (000 000 0000) 0 00 4300 6536 9193

Part # 156148-434 RIT2 04/13

Login Sample Receipt Checklist

Client: Town of Dewitt

Job Number: 200-43643-1

Login Number: 43643
List Number: 1
Creator: Mohn, Taylor J

List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	NA: Lab does not accept radioactive samples
The cooler's custody seal, if present, is intact.	True	No: Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	No: Thermal preservation not required
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	No: Thermal preservation not required
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.	N/A	
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.	True	
Chlorine Residual checked.	N/A	

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Date	Technician	Canister Size		Certification Type:	
Top Rack	1	20	3/29/2018	EJE	1L	6L	Individual	Batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Initial Reading Date:	Initial Reading Time:	Initial Reading Tech:	Initial Reading Temp:	Final Reading Gauge:	Final Reading Date:	Final Reading Time:	Final Reading Tech:	Final Reading Temp:
1	3285	.04	.04	Ø	-29.6	G25	3.30.18	9:04	EE	22	G25	4.19.18	9:24	EE	23
2	3219		.18	.14		G25					G25				
3	5968		.04	Ø		G25					G25				
4	3028	.04	.04	Ø	-29.4	G25	4.16.18	11:06	EE	22	G25	4.17.18	12:14	EE	23
5	4115	.04	.04	Ø	-29.6	G25	3.30.18	9:04	EE	22	G25	4.19.18	9:24	EE	23
6	3410		.06	.02		G25					G25				
7	5965		.04	Ø		G25					G25				
8	4071		.15	.11		G25					G25				
9	3526		.04	Ø		G25					G25				
10	2670		.07	.03		G25					G25				
11	2972		.08	.04		G25					G25				
12	4291		.04	Ø		G25					G25				

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ≤ TO15 Routine ≤ TO15 LL ≤ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Reviewer
3028	04/13/18	30010	AB		XXXX				04/13/18	PAD

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level 4: Individual or Batch Certification (TO15LLNJ 0.08 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Comments:

Form ID: FAI023:11
Revision Date: 11-15-2017

TestAmerica Burlington

200-42856-A-4
3028
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 3/29/2018 12:00 AM 200-1137225

Loc: 200
42856
#4
A

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Date	Technician	Canister Size		Certification Type:	
Top Rack	20	20	4/3/2018	EJE	1L	6L	Individual	Batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Initial Reading Date:	Initial Reading Time:	Initial Reading Tech:	Initial Reading Temp:	Final Reading Gauge:	Final Reading Date:	Final Reading Time:	Final Reading Tech:	Final Reading Temp:
1	4554	.04	.04	Ø	-30.0	G25	4.5.18	8:46	EE	25	G25	4.24.18	15:03	EE	22
2	4427	↓	.07	.03	↓	G25	↓	↓	↓	↓	G25	↓	↓	↓	↓
3	2919	.04	.05	.01	-30.0	G25	4.23.18	14:21	EE	23	G25	4.24.18	15:13	EE	22
4	5617	.04	.04	Ø	-30.0	G25	4.5.18	8:46	EE	25	G25	4.24.18	15:03	EE	22
5	5983	↓	.16	.12	↓	G25	↓	↓	↓	↓	G25	↓	↓	↓	↓
6	4081	↓	.04	Ø	↓	G25	↓	↓	↓	↓	G25	↓	↓	↓	↓
7	3293	↓	.04	Ø	↓	G25	↓	↓	↓	↓	G25	↓	↓	↓	↓
8	5116	↓	.04	Ø	↓	G25	↓	↓	↓	↓	G25	↓	↓	↓	↓
9	3205	↓	.04	Ø	↓	G25	↓	↓	↓	↓	G25	↓	↓	↓	↓
10	5962	↓	.07	.03	↓	G25	↓	↓	↓	↓	G25	↓	↓	↓	↓
11	5053	↓	.04	Ø	↓	G25	↓	↓	↓	↓	G25	↓	↓	↓	↓
12	5456	↓	.04	Ø	↓	G25	↓	↓	↓	↓	G25	↓	↓	↓	↓

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ≤ TO15 Routine ≤ TO15 LL ≤ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Reviewer
2919	4/9/18	29956	KDI		XXXX				4/9/18	MP

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level 4: Individual or Batch Certification (TO15LLNJ 0.08 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Comments:

Form ID: FAI023:11
Revision Date: 11-15-2017

TestAmerica Burlington

200-42931-A-3
2919
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 4/3/2018 12:00 AM 200-1138856

Loc: 200
42931
#3
A

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Date	Technician	Canister Size		Certification Type:	
Top Rack		25	5/11/2018	EJE	1L	6L	Individual	Batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Initial Reading Date:	Initial Reading Time:	Initial Reading Tech:	Initial Reading Temp:	Final Reading Gauge:	Final Reading Date:	Final Reading Time:	Final Reading Tech:	Final Reading Temp:
1	2601	.05	.06	.01	-30.3	G25	5.14.18	12:48	CE	25	G25	5.18.18	12:26	CE	22
2	3502		.05	Ø		G25					G25				
3	2885		.05	Ø		G25					G25				
4	5463		.09	.04		G25					G25				
5	4123		.06	.01		G25					G25				
6	3554	.01	.01	Ø	-30.0	G25	5.18.18	12:29	CE	22	G25	5.21.18	13:27	CE	22
7	2538	.05	.06	Ø	-30.3	G25	5.14.18	12:48	CE	25	G25	5.18.18	12:26	CE	22
8	5898		.05	Ø		G25					G25				
9	5024		.05	Ø		G25					G25				
10	3507		.05	Ø		G25					G25				
11	3642		.09	.04		G25					G25				
12	3374		.05	Ø		G25					G25				

CE 5.18

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ≤ TO15 Routine ≤ TO15 LL ≤ NJDEP-LL TO15

Can ID	Date	Sequence	Analyst	Inventory Level 1	Inventory Level 2	Inventory Level 3	Inventory Level 4	Secondary Review: Limited	Secondary Review: Review Date	Secondary Review: Reviewer
3554	5/18/18	30545	ABI		XXXX				5/18/18	VTP

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level 4: Individual or Batch Certification (TO15LLNJ 0.08 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Comments:

Form ID: FAI023:11
Revision Date: 11-15-2017

TestAmerica Burlington

200-43421-A-6
3554
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 5/11/2018 12:00 AM 200-1149810

Loc: 200
43421
#6
A

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-42856-1
SDG No.:
Client Sample ID: 3028
Lab Sample ID: 200-42856-4
Matrix: Air
Lab File ID: 30010_13.D
Analysis Method: TO-15
Date Collected: 03/29/2018 00:00
Sample wt/vol: 1000(mL)
Date Analyzed: 04/09/2018 22:59
Soil Aliquot Vol:
Dilution Factor: 0.2
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 128260
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-42856-1
SDG No.:
Client Sample ID: 3028
Lab Sample ID: 200-42856-4
Matrix: Air
Lab File ID: 30010_13.D
Analysis Method: TO-15
Date Collected: 03/29/2018 00:00
Sample wt/vol: 1000(mL)
Date Analyzed: 04/09/2018 22:59
Soil Aliquot Vol:
Dilution Factor: 0.2
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 128260
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-42856-1

SDG No.:

Client Sample ID: 3028 Lab Sample ID: 200-42856-4

Matrix: Air Lab File ID: 30010_13.D

Analysis Method: TO-15 Date Collected: 03/29/2018 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 04/09/2018 22:59

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128260 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHX.i\20180409-30010.b\30010_13.D
Lims ID: 200-42856-A-4
Client ID: 3028
Sample Type: Client
Inject. Date: 09-Apr-2018 22:59:30 ALS Bottle#: 12 Worklist Smp#: 14
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0030010-013
Operator ID: pad Instrument ID: CHX.i

Method: \\ChromNA\Burlington\ChromData\CHX.i\20180409-30010.b\TO15_MasterMethod_X.m.m
Limit Group: AI_TO15_ICAL
Last Update: 13-Apr-2018 13:11:14 Calib Date: 22-Feb-2018 02:49:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHX.i\20180221-29291.b\200-0029291-014.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK030

First Level Reviewer: daiglep Date: 13-Apr-2018 13:11:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.044				ND	
2 Dichlorodifluoromethane	85		3.108				ND	
3 Chlorodifluoromethane	51		3.156				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.354				ND	
5 Chloromethane	50		3.488				ND	
6 Butane	43		3.664				ND	
7 Vinyl chloride	62		3.707				ND	
8 Butadiene	54		3.777				ND	
10 Bromomethane	94		4.413				ND	
11 Chloroethane	64		4.633				ND	
13 Vinyl bromide	106		5.002				ND	
14 Trichlorofluoromethane	101		5.087				ND	
17 Ethanol	45	5.676	5.638	0.038	98	3140	0.2411	
20 1,1,2-Trichloro-1,2,2-trif	101		6.109				ND	
21 1,1-Dichloroethene	96		6.157				ND	
22 Acetone	43		6.403				ND	
23 Carbon disulfide	76	6.543	6.548	-0.005	99	2025	0.0368	
24 Isopropyl alcohol	45		6.682				ND	
25 3-Chloro-1-propene	41		6.933				ND	
27 Methylene Chloride	49		7.222				ND	
28 2-Methyl-2-propanol	59		7.452				ND	
29 Methyl tert-butyl ether	73		7.623				ND	
31 trans-1,2-Dichloroethene	61		7.655				ND	
33 Hexane	57		8.030				ND	
34 1,1-Dichloroethane	63		8.543				ND	
35 Vinyl acetate	43		8.618				ND	
S 30 1,2-Dichloroethene, Total	61		9.665				ND	
37 cis-1,2-Dichloroethene	96		9.677				ND	
38 2-Butanone (MEK)	72		9.742				ND	
39 Ethyl acetate	88		9.774				ND	
* 40 Chlorobromomethane	128	10.159	10.159	0.000	85	147467	10.0	
41 Tetrahydrofuran	42		10.170				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 Chloroform	83		10.298				ND	
43 Cyclohexane	84		10.539				ND	
44 1,1,1-Trichloroethane	97		10.576				ND	
45 Carbon tetrachloride	117		10.833				ND	
46 Isooctane	57		11.288				ND	
47 Benzene	78		11.336				ND	
48 1,2-Dichloroethane	62		11.539				ND	
49 n-Heptane	43		11.700				ND	
* 50 1,4-Difluorobenzene	114	12.235	12.240	-0.005	98	901281	10.0	
53 Trichloroethene	95		12.732				ND	
54 1,2-Dichloropropane	63		13.331				ND	
55 Methyl methacrylate	69		13.508				ND	
56 1,4-Dioxane	88		13.577				ND	
57 Dibromomethane	174		13.599				ND	
58 Dichlorobromomethane	83		13.909				ND	
60 cis-1,3-Dichloropropene	75		14.893				ND	
61 4-Methyl-2-pentanone (MIBK	43		15.204				ND	
65 Toluene	92		15.498				ND	
66 trans-1,3-Dichloropropene	75		16.145				ND	
67 1,1,2-Trichloroethane	83		16.541				ND	
68 Tetrachloroethene	166		16.627				ND	
69 2-Hexanone	43		17.022				ND	
71 Chlorodibromomethane	129		17.338				ND	
72 Ethylene Dibromide	107		17.616				ND	
* 74 Chlorobenzene-d5	117	18.569	18.569	0.000	98	909344	10.0	
75 Chlorobenzene	112		18.627				ND	
76 Ethylbenzene	91		18.793				ND	U
78 m-Xylene & p-Xylene	106		19.061				ND	
S 73 Xylenes, Total	106		19.600				ND	
79 o-Xylene	106		19.954				ND	
80 Styrene	104		20.013				ND	
81 Bromoform	173		20.484				ND	
82 Isopropylbenzene	105		20.714				ND	
84 1,1,2,2-Tetrachloroethane	83		21.441				ND	
85 N-Propylbenzene	91		21.500				ND	
88 4-Ethyltoluene	105		21.709				ND	
89 2-Chlorotoluene	91		21.714				ND	
90 1,3,5-Trimethylbenzene	105		21.821				ND	
92 tert-Butylbenzene	119		22.345				ND	
93 1,2,4-Trimethylbenzene	105		22.447				ND	
94 sec-Butylbenzene	105		22.688				ND	
95 4-Isopropyltoluene	119		22.902				ND	
96 1,3-Dichlorobenzene	146		22.929				ND	
97 1,4-Dichlorobenzene	146		23.073				ND	
98 Benzyl chloride	91		23.282				ND	
100 n-Butylbenzene	91		23.496				ND	
101 1,2-Dichlorobenzene	146		23.624				ND	
103 1,2,4-Trichlorobenzene	180		26.187				ND	
104 Hexachlorobutadiene	225		26.374				ND	
105 Naphthalene	128		26.679				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

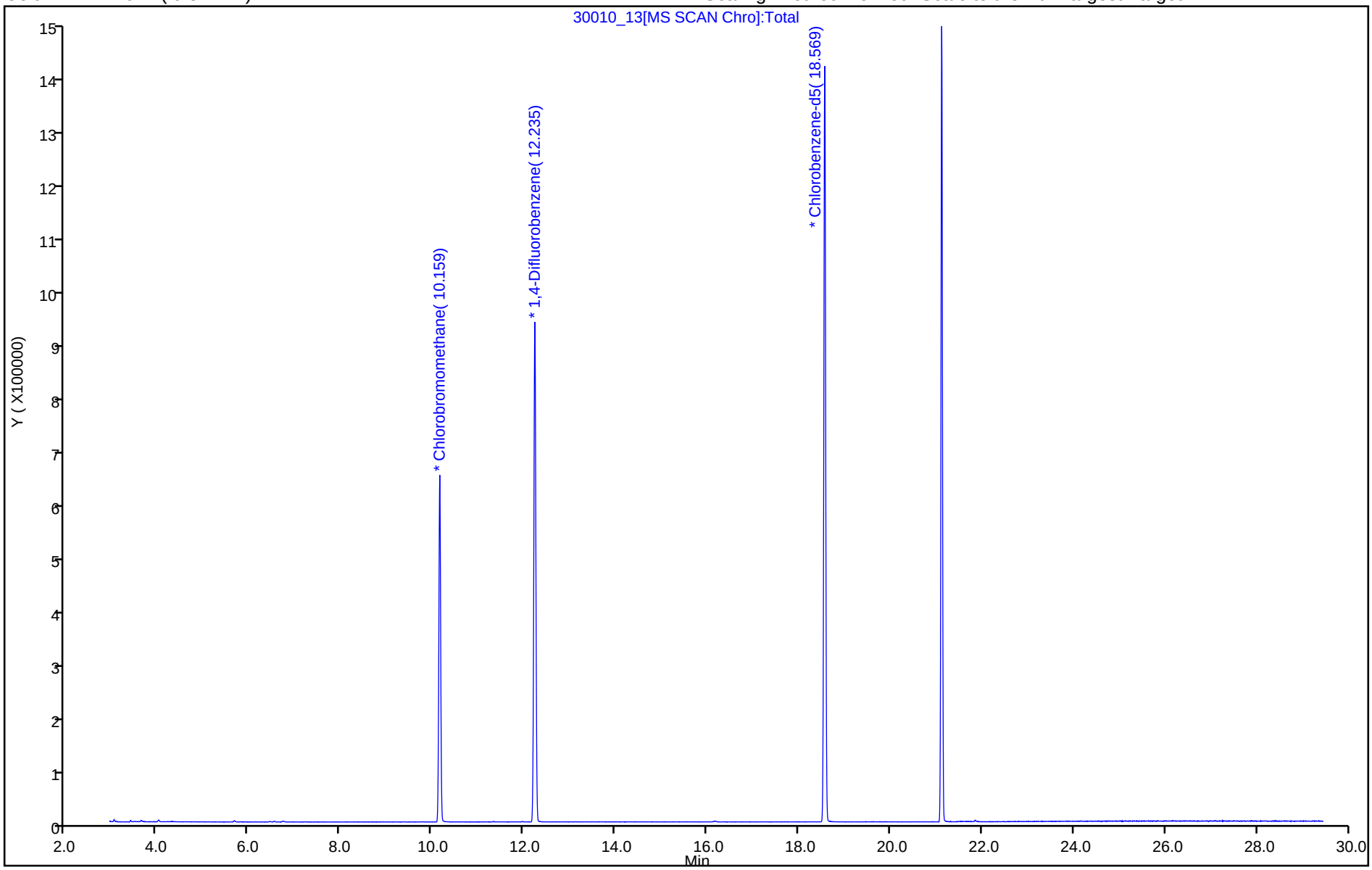
ATTO15XISs_00002	Amount Added: 20.00	Units: mL	Run Reagent

Report Date: 13-Apr-2018 13:11:27 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180409-30010.b\30010_13.D				
Injection Date:	09-Apr-2018 22:59:30	Instrument ID:	CHX.i	Operator ID:	pad
Lims ID:	200-42856-A-4	Lab Sample ID:	200-42856-4	Worklist Smp#:	14
Client ID:	3028				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	12
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



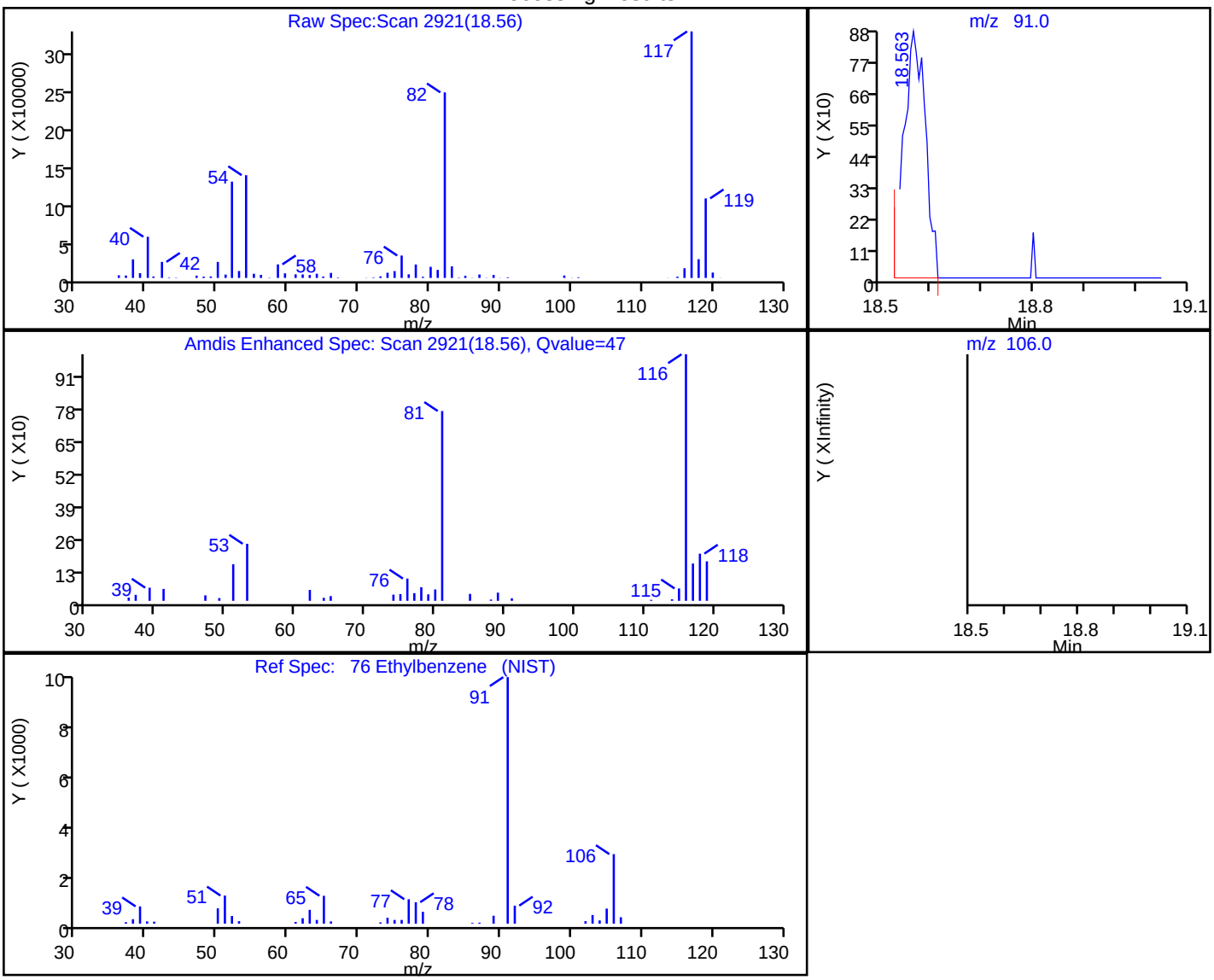
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHX.i\20180409-30010.b\30010_13.D				
Injection Date:	09-Apr-2018 22:59:30	Instrument ID:	CHX.i		
Lims ID:	200-42856-A-4	Lab Sample ID:	200-42856-4		
Client ID:	3028				
Operator ID:	pad	ALS Bottle#:	12	Worklist Smp#:	14
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_X.m	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

76 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
18.56	91.00	2528	0.017952
18.79	106.00	0	

Reviewer: daiglep, 13-Apr-2018 13:11:14

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-42931-1
SDG No.:
Client Sample ID: 2919
Lab Sample ID: 200-42931-3
Matrix: Air
Lab File ID: 29956_21.D
Analysis Method: TO-15
Date Collected: 04/03/2018 00:00
Sample wt/vol: 1000(mL)
Date Analyzed: 04/06/2018 05:23
Soil Aliquot Vol:
Dilution Factor: 0.2
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 128162
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I TO-15

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-42931-1
SDG No.:
Client Sample ID: 2919
Lab Sample ID: 200-42931-3
Matrix: Air
Lab File ID: 29956_21.D
Analysis Method: TO-15
Date Collected: 04/03/2018 00:00
Sample wt/vol: 1000(mL)
Date Analyzed: 04/06/2018 05:23
Soil Aliquot Vol:
Dilution Factor: 0.2
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 128162
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-42931-1

SDG No.:

Client Sample ID: 2919 Lab Sample ID: 200-42931-3

Matrix: Air Lab File ID: 29956_21.D

Analysis Method: TO-15 Date Collected: 04/03/2018 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 04/06/2018 05:23

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 128162 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHC.i\20180405-29956.b\29956_21.D
Lims ID: 200-42931-A-3
Client ID: 2919
Sample Type: Client
Inject. Date: 06-Apr-2018 05:23:30 ALS Bottle#: 21 Worklist Smp#: 21
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0029956-021
Operator ID: vtp Instrument ID: CHC.i

Method: \\ChromNA\Burlington\ChromData\CHC.i\20180405-29956.b\TO15_MasterMethod_(v1)_CHC.i.m
Limit Group: AI_TO15_ICAL
Last Update: 09-Apr-2018 13:45:34 Calib Date: 05-Apr-2018 02:22:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHC.i\20180404-29943.b\29943_12.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK014

First Level Reviewer: puangmaleek Date: 09-Apr-2018 13:41:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.967				ND	
2 Dichlorodifluoromethane	85		3.037				ND	
3 Chlorodifluoromethane	51		3.085				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.298				ND	
5 Chloromethane	50	3.426	3.433	0.000	92	634	0.0342	
6 Butane	43		3.629				ND	
7 Vinyl chloride	62		3.666				ND	
8 Butadiene	54		3.741				ND	
10 Bromomethane	94		4.414				ND	
11 Chloroethane	64		4.654				ND	
13 Vinyl bromide	106		5.043				ND	
14 Trichlorofluoromethane	101		5.150				ND	
17 Ethanol	45		5.732				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		6.249				ND	
21 1,1-Dichloroethene	96		6.276				ND	
22 Acetone	43		6.500				ND	
23 Carbon disulfide	76	6.650	6.655	-0.005	94	874	0.0259	
24 Isopropyl alcohol	45		6.821				ND	
25 3-Chloro-1-propene	41		7.066				ND	
27 Methylene Chloride	49		7.365				ND	
28 2-Methyl-2-propanol	59		7.600				ND	
29 Methyl tert-butyl ether	73		7.776				ND	
31 trans-1,2-Dichloroethene	61		7.819				ND	
33 Hexane	57		8.224				ND	
34 1,1-Dichloroethane	63		8.688				ND	
35 Vinyl acetate	43		8.774				ND	
37 cis-1,2-Dichloroethene	96		9.809				ND	
38 2-Butanone (MEK)	72		9.847				ND	
39 Ethyl acetate	88		9.911				ND	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
* 40 Chlorobromomethane	128	10.263	10.268	-0.005	89	167806	10.0	
41 Tetrahydrofuran	42		10.268				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
42 Chloroform	83		10.418				ND	
43 Cyclohexane	84		10.658				ND	
44 1,1,1-Trichloroethane	97		10.679				ND	
45 Carbon tetrachloride	117		10.935				ND	
46 Isooctane	57		11.394				ND	
47 Benzene	78		11.394				ND	
48 1,2-Dichloroethane	62		11.576				ND	
49 n-Heptane	43		11.795				ND	
* 50 1,4-Difluorobenzene	114	12.254	12.259	-0.005	98	897354	10.0	
53 Trichloroethene	95		12.723				ND	
54 1,2-Dichloropropane	63		13.273				ND	
55 Methyl methacrylate	69		13.465				ND	
56 1,4-Dioxane	88		13.502				ND	
57 Dibromomethane	174		13.534				ND	
58 Dichlorobromomethane	83		13.849				ND	
60 cis-1,3-Dichloropropene	75		14.799				ND	
61 4-Methyl-2-pentanone (MIBK	43		15.077				ND	
65 Toluene	92		15.392				ND	
66 trans-1,3-Dichloropropene	75		16.000				ND	
67 1,1,2-Trichloroethane	83		16.368				ND	
68 Tetrachloroethene	166		16.486				ND	
69 2-Hexanone	43		16.811				ND	
71 Chlorodibromomethane	129		17.131				ND	
72 Ethylene Dibromide	107		17.393				ND	
* 74 Chlorobenzene-d5	117	18.295	18.295	0.000	98	892920	10.0	
75 Chlorobenzene	112		18.354				ND	
76 Ethylbenzene	91		18.514				ND	U
78 m-Xylene & p-Xylene	106		18.765				ND	
79 o-Xylene	106		19.597				ND	
80 Styrene	104		19.650				ND	
81 Bromoform	173		20.088				ND	
S 73 Xylenes, Total	106		20.100				ND	
82 Isopropylbenzene	105		20.307				ND	
84 1,1,2,2-Tetrachloroethane	83		20.974				ND	
85 N-Propylbenzene	91		21.049				ND	
88 4-Ethyltoluene	105		21.241				ND	
89 2-Chlorotoluene	91		21.246				ND	
90 1,3,5-Trimethylbenzene	105		21.353				ND	
92 tert-Butylbenzene	119		21.844				ND	
93 1,2,4-Trimethylbenzene	105		21.945				ND	
94 sec-Butylbenzene	105		22.175				ND	
95 4-Isopropyltoluene	119		22.383				ND	
96 1,3-Dichlorobenzene	146		22.410				ND	
97 1,4-Dichlorobenzene	146		22.543				ND	
98 Benzyl chloride	91		22.735				ND	
100 n-Butylbenzene	91		22.949				ND	
101 1,2-Dichlorobenzene	146		23.066				ND	
103 1,2,4-Trichlorobenzene	180		25.489				ND	
104 Hexachlorobutadiene	225		25.676				ND	
105 Naphthalene	128		25.943				ND	

QC Flag Legend

Review Flags

U - Marked Undetected

Reagents:

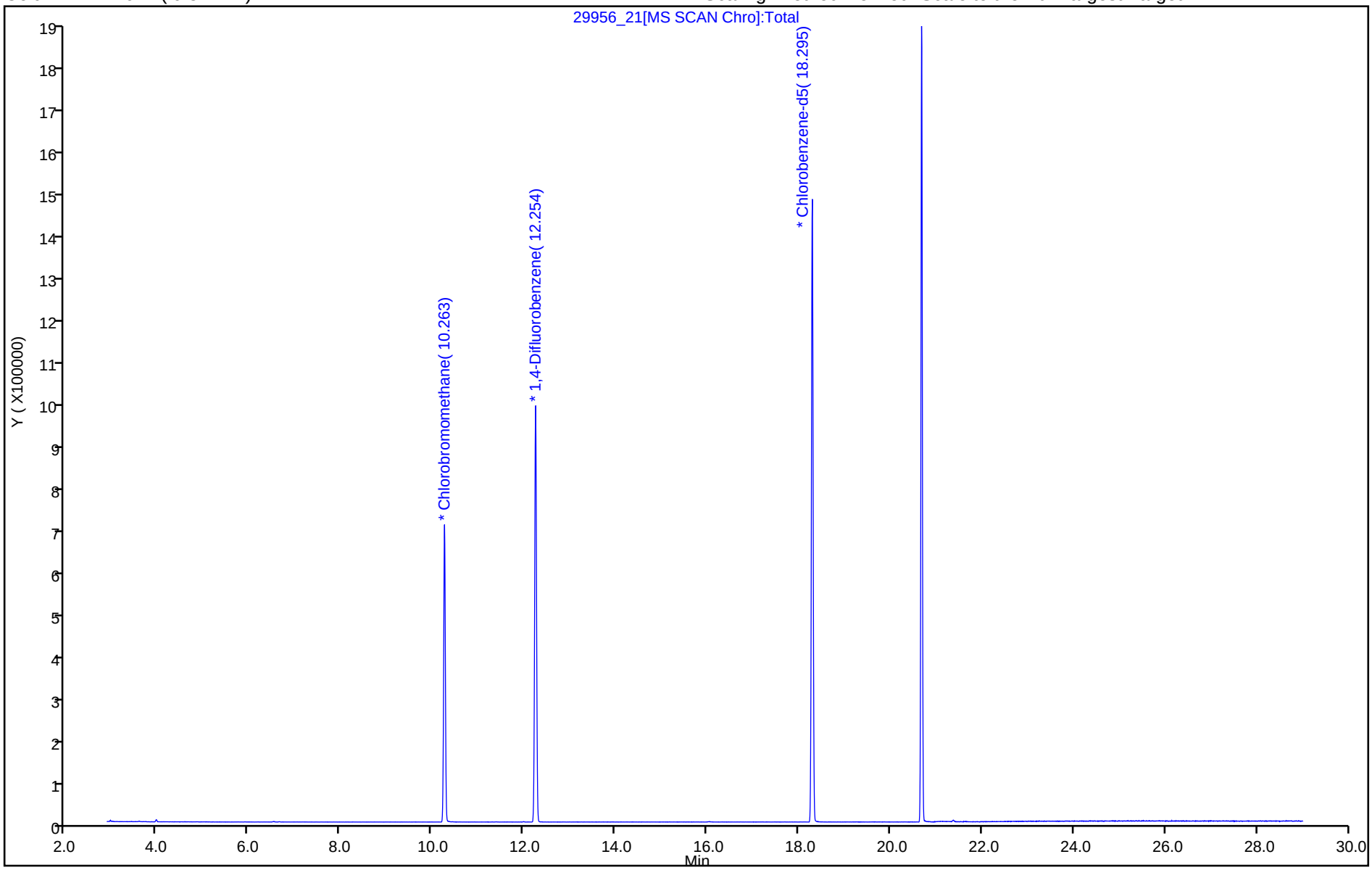
ATTO15CISs_00010	Amount Added: 20.00	Units: mL	Run Reagent

Report Date: 09-Apr-2018 12:04:58 Chrom Revision: 2.2 13-Mar-2018 08:45:20

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHC.i\20180405-29956.b\29956_21.D				
Injection Date:	06-Apr-2018 05:23:30	Instrument ID:	CHC.i	Operator ID:	vtp
Lims ID:	200-42931-A-3	Lab Sample ID:	200-42931-3	Worklist Smp#:	21
Client ID:	2919				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	21
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



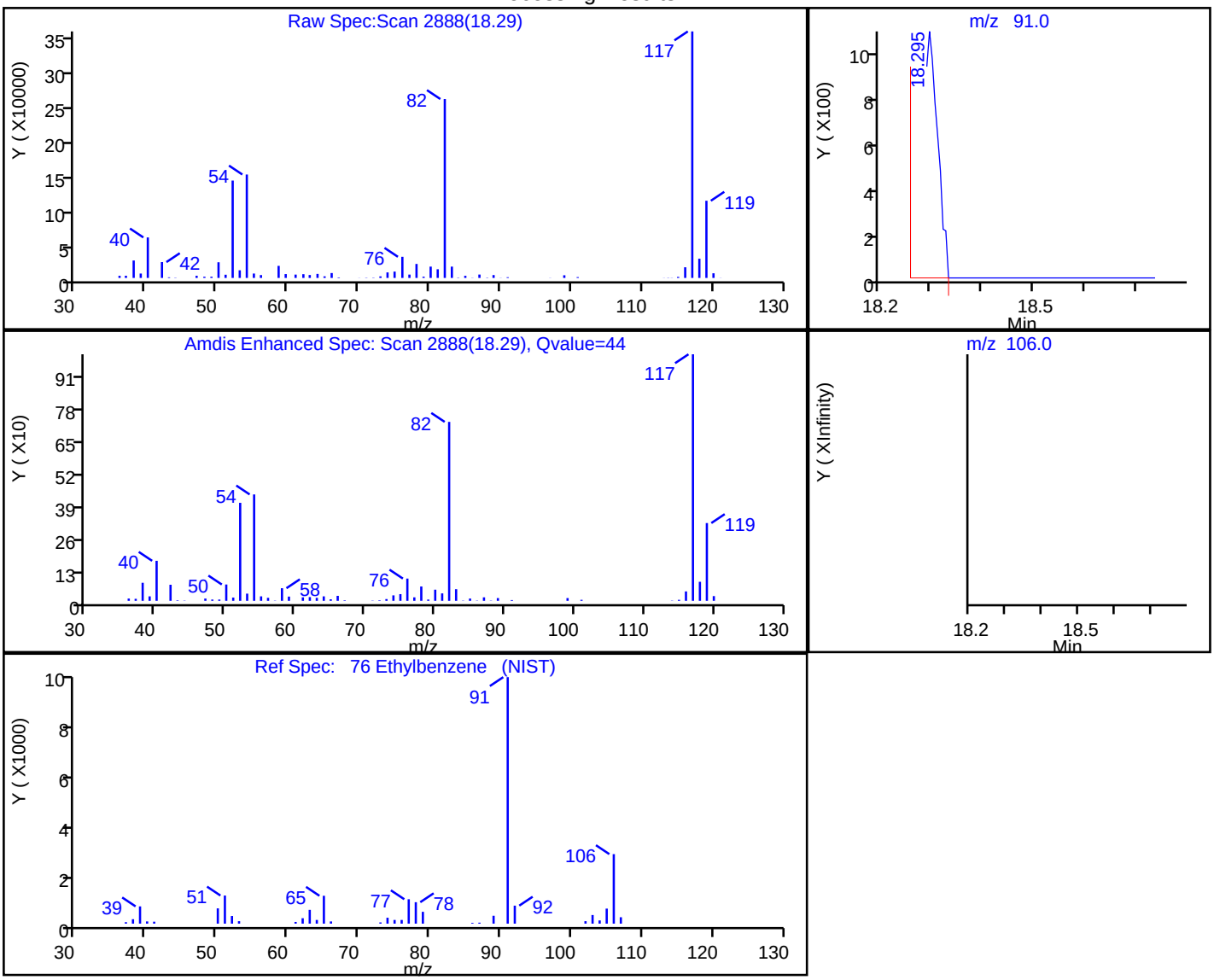
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHC.i\20180405-29956.b\29956_21.D				
Injection Date:	06-Apr-2018 05:23:30	Instrument ID:	CHC.i		
Lims ID:	200-42931-A-3	Lab Sample ID:	200-42931-3		
Client ID:	2919				
Operator ID:	vtp	ALS Bottle#:	21	Worklist Smp#:	21
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_MasterMethod_(v1)_CHC.i	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

76 Ethylbenzene, CAS: 100-41-4

Processing Results



RT	Mass	Response	Amount
18.29	91.00	2334	0.030423
18.51	106.00	0	

Reviewer: puangmaleek, 09-Apr-2018 13:41:40

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-43421-1
SDG No.:
Client Sample ID: 3554
Lab Sample ID: 200-43421-6
Matrix: Air
Lab File ID: 30545-17.D
Analysis Method: TO-15
Date Collected: 05/11/2018 00:00
Sample wt/vol: 1000(mL)
Date Analyzed: 05/18/2018 02:07
Soil Aliquot Vol:
Dilution Factor: 0.2
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 129577
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington
Job No.: 200-43421-1
SDG No.:
Client Sample ID: 3554
Lab Sample ID: 200-43421-6
Matrix: Air
Lab File ID: 30545-17.D
Analysis Method: TO-15
Date Collected: 05/11/2018 00:00
Sample wt/vol: 1000(mL)
Date Analyzed: 05/18/2018 02:07
Soil Aliquot Vol:
Dilution Factor: 0.2
Soil Extract Vol.:
GC Column: RTX-624 ID: 0.32(mm)
% Moisture:
Level: (low/med) Low
Analysis Batch No.: 129577
Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-43421-1

SDG No.:

Client Sample ID: 3554 Lab Sample ID: 200-43421-6

Matrix: Air Lab File ID: 30545-17.D

Analysis Method: TO-15 Date Collected: 05/11/2018 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 05/18/2018 02:07

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 129577 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20180517-30545.b\30545-17.D
Lims ID: 200-43421-A-6
Client ID: 3554
Sample Type: Client
Inject. Date: 18-May-2018 02:07:30 ALS Bottle#: 16 Worklist Smp#: 17
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0030545-017
Operator ID: vtp Instrument ID: CHB.i

Method: \\ChromNA\Burlington\ChromData\CHB.i\20180517-30545.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 18-May-2018 14:06:03 Calib Date: 06-Apr-2018 10:05:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20180405-29969.b\29969-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: XAWRK018

First Level Reviewer: bunmaa Date: 18-May-2018 14:06:03

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.135				ND	Ua
2 Dichlorodifluoromethane	85		3.193				ND	
3 Chlorodifluoromethane	51		3.225				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.412				ND	
5 Chloromethane	50		3.535				ND	
6 Butane	43		3.711				ND	MUa
7 Vinyl chloride	62		3.743				ND	
8 Butadiene	54		3.812				ND	
10 Bromomethane	94		4.474				ND	
11 Chloroethane	64		4.698				ND	
13 Vinyl bromide	106		5.109				ND	
14 Trichlorofluoromethane	101		5.211				ND	
16 Ethanol	45		5.664				ND	
19 1,1,2-Trichloro-1,2,2-trif	101		6.235				ND	
20 1,1-Dichloroethene	96		6.305				ND	
21 Acetone	43		6.454				ND	Ua
22 Isopropyl alcohol	45		6.673				ND	
23 Carbon disulfide	76		6.737				ND	MUa
24 3-Chloro-1-propene	41		7.004				ND	
27 Methylene Chloride	49		7.260				ND	Ua
28 2-Methyl-2-propanol	59		7.372				ND	
29 Methyl tert-butyl ether	73		7.612				ND	
30 trans-1,2-Dichloroethene	61		7.671				ND	
32 Hexane	57	7.996	7.997	-0.006	93	6439	0.0927	
33 1,1-Dichloroethane	63		8.413				ND	
34 Vinyl acetate	43		8.418				ND	
36 2-Butanone (MEK)	72		9.299				ND	
37 cis-1,2-Dichloroethene	96		9.315				ND	
35 Ethyl acetate	88		9.315				ND	
* 39 Chlorobromomethane	128	9.677	9.683	-0.006	89	380739	10.0	
38 Tetrahydrofuran	42		9.694				ND	
40 Chloroform	83		9.758				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
S 41 1,2-Dichloroethene, Total	61		10.000				ND	
42 1,1,1-Trichloroethane	97		10.019				ND	
43 Cyclohexane	84		10.035				ND	
44 Carbon tetrachloride	117		10.222				ND	
45 Isooctane	57		10.510				ND	
46 Benzene	78	10.537	10.537	-0.011	93	3292	0.0231	7a
47 1,2-Dichloroethane	62		10.644				ND	
48 n-Heptane	43		10.761				ND	
* 50 1,4-Difluorobenzene	114	11.081	11.087	-0.006	94	1738898	10.0	
53 Trichloroethene	95		11.460				ND	
54 1,2-Dichloropropane	63		11.828				ND	
55 Methyl methacrylate	69		11.866				ND	
56 1,4-Dioxane	88		11.951				ND	
57 Dibromomethane	174		12.015				ND	Ua
58 Dichlorobromomethane	83		12.186				ND	
60 cis-1,3-Dichloropropene	75		12.810				ND	
61 4-Methyl-2-pentanone (MIBK	43		12.960				ND	
64 Toluene	92	13.237	13.237	-0.006	89	2129	0.0209	7Ma
66 trans-1,3-Dichloropropene	75		13.606				ND	
67 1,1,2-Trichloroethane	83		13.872				ND	
68 Tetrachloroethene	166		14.017				ND	
69 2-Hexanone	43		14.134				ND	
70 Chlorodibromomethane	129		14.427				ND	
71 Ethylene Dibromide	107		14.630				ND	
* 72 Chlorobenzene-d5	117	15.190	15.196	-0.006	85	1489845	10.0	
73 Chlorobenzene	112		15.233				ND	
74 Ethylbenzene	91	15.308	15.308	0.005	95	5500	0.0260	7a
76 m-Xylene & p-Xylene	106		15.452				ND	
78 o-Xylene	106	15.970	15.970	0.006	96	1792	0.0207	7a
79 Styrene	104		15.986				ND	
S 77 Xylenes, Total	106				0		0.0207	7
80 Bromoform	173		16.279				ND	
81 Isopropylbenzene	105		16.375				ND	
83 1,1,2,2-Tetrachloroethane	83		16.781				ND	
84 N-Propylbenzene	91		16.856				ND	
87 4-Ethyltoluene	105		16.979				ND	
88 2-Chlorotoluene	91		17.021				ND	
89 1,3,5-Trimethylbenzene	105		17.048				ND	
91 tert-Butylbenzene	119		17.421				ND	
92 1,2,4-Trimethylbenzene	105		17.491				ND	
93 sec-Butylbenzene	105		17.678				ND	
94 4-Isopropyltoluene	119		17.832				ND	
95 1,3-Dichlorobenzene	146		17.907				ND	
96 1,4-Dichlorobenzene	146		18.019				ND	
97 Benzyl chloride	91		18.169				ND	
99 n-Butylbenzene	91		18.334				ND	
100 1,2-Dichlorobenzene	146		18.505				ND	
103 1,2,4-Trichlorobenzene	180		20.858				ND	
104 Hexachlorobutadiene	225		21.024				ND	
105 Naphthalene	128		21.333				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Review Flags

M - Manually Integrated

U - Marked Undetected

a - User Assigned ID

Reagents:

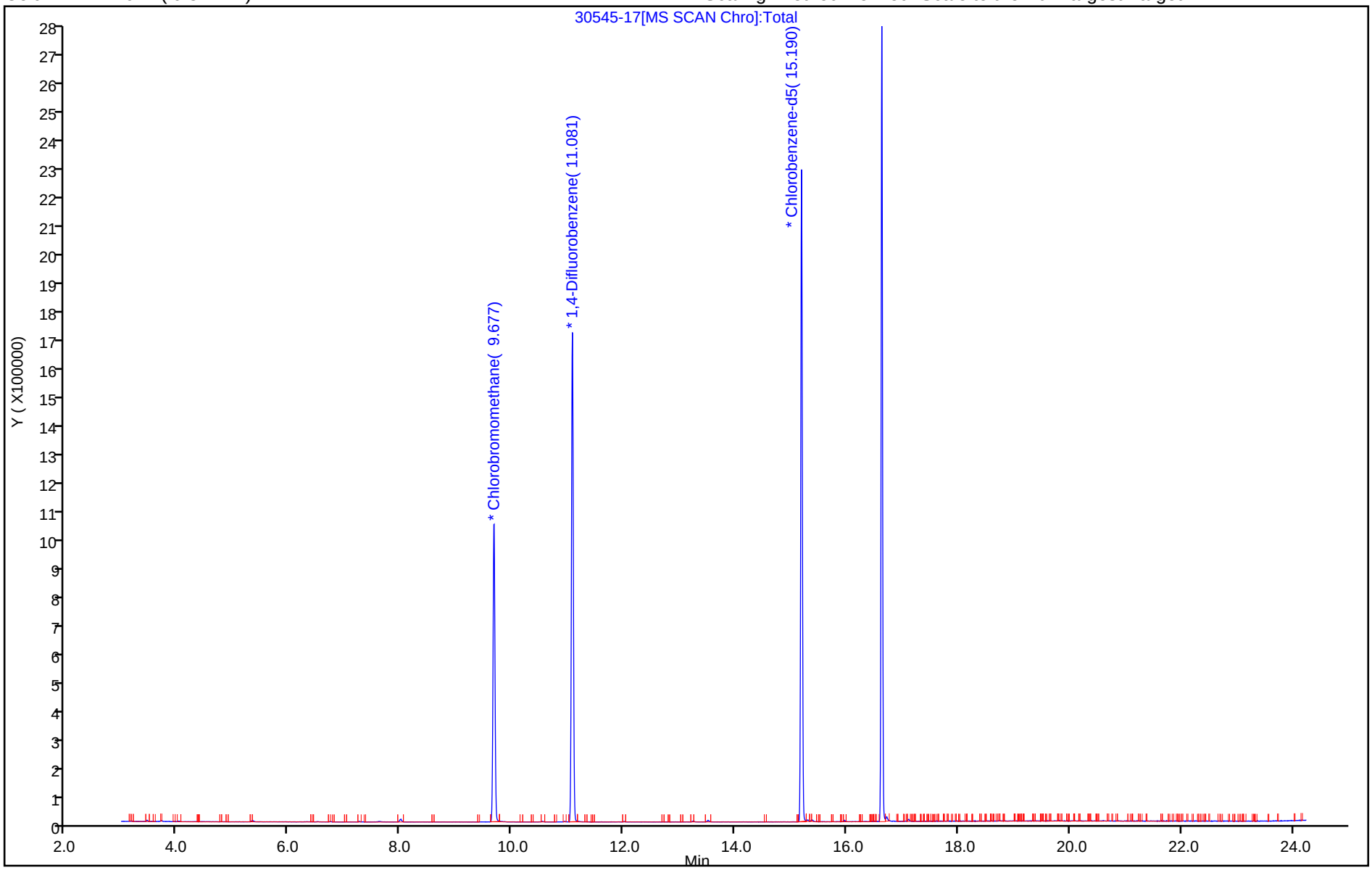
ATTO15BISs_00006	Amount Added: 20.00	Units: mL	Run Reagent

Report Date: 18-May-2018 14:06:04 Chrom Revision: 2.2 11-May-2018 08:54:46

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180517-30545.b\30545-17.D				
Injection Date:	18-May-2018 02:07:30	Instrument ID:	CHB.i	Operator ID:	vtp
Lims ID:	200-43421-A-6	Lab Sample ID:	200-43421-6	Worklist Smp#:	17
Client ID:	3554				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	16
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



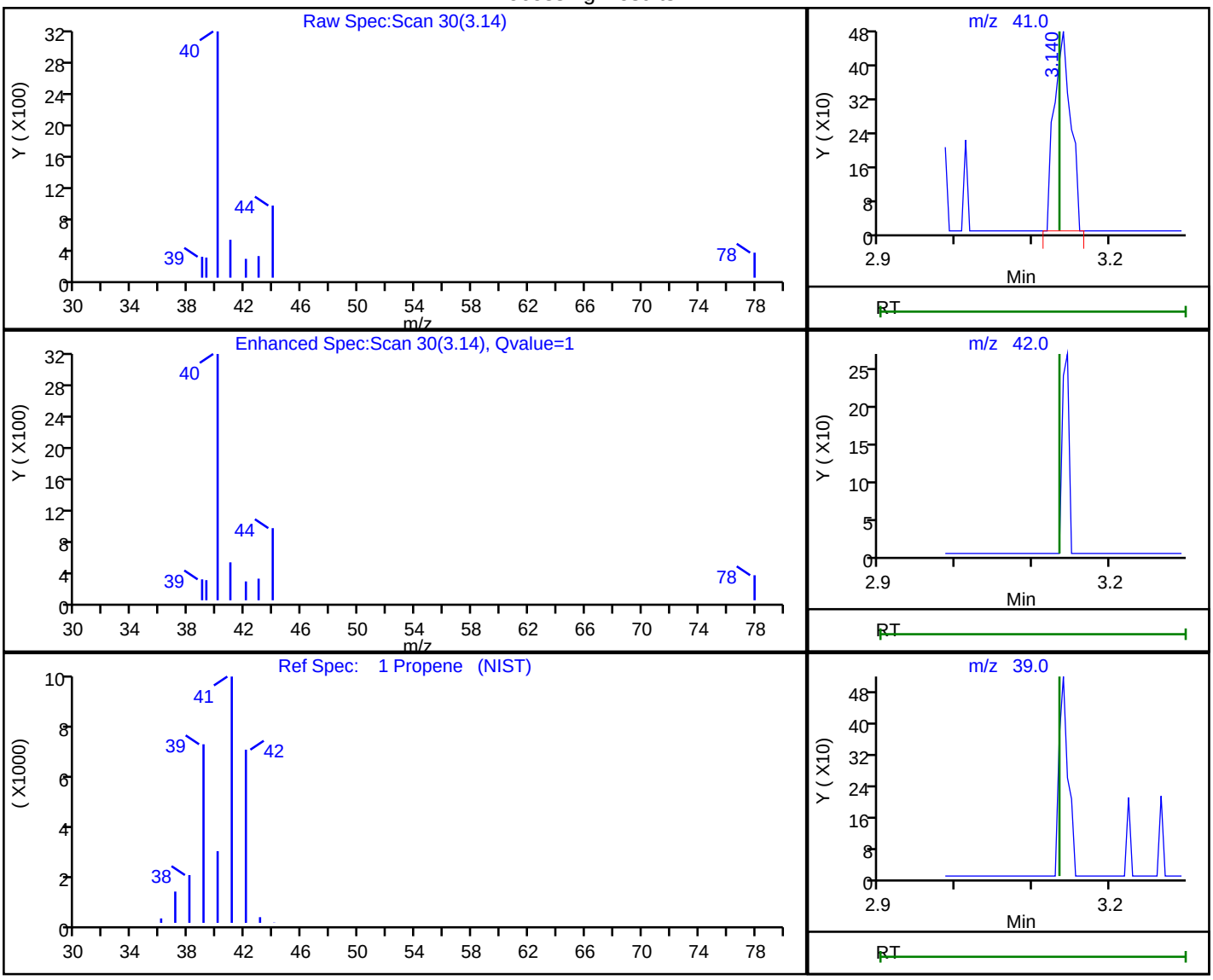
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180517-30545.b\30545-17.D				
Injection Date:	18-May-2018 02:07:30	Instrument ID:	CHB.i		
Lims ID:	200-43421-A-6	Lab Sample ID:	200-43421-6		
Client ID:	3554				
Operator ID:	vtp	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

1 Propene, CAS: 115-07-1

Processing Results



RT	Mass	Response	Amount
3.14	41.00	717	0.040877
3.14	42.00	0	
3.14	39.00	0	

Reviewer: bunmaa, 18-May-2018 14:02:11

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

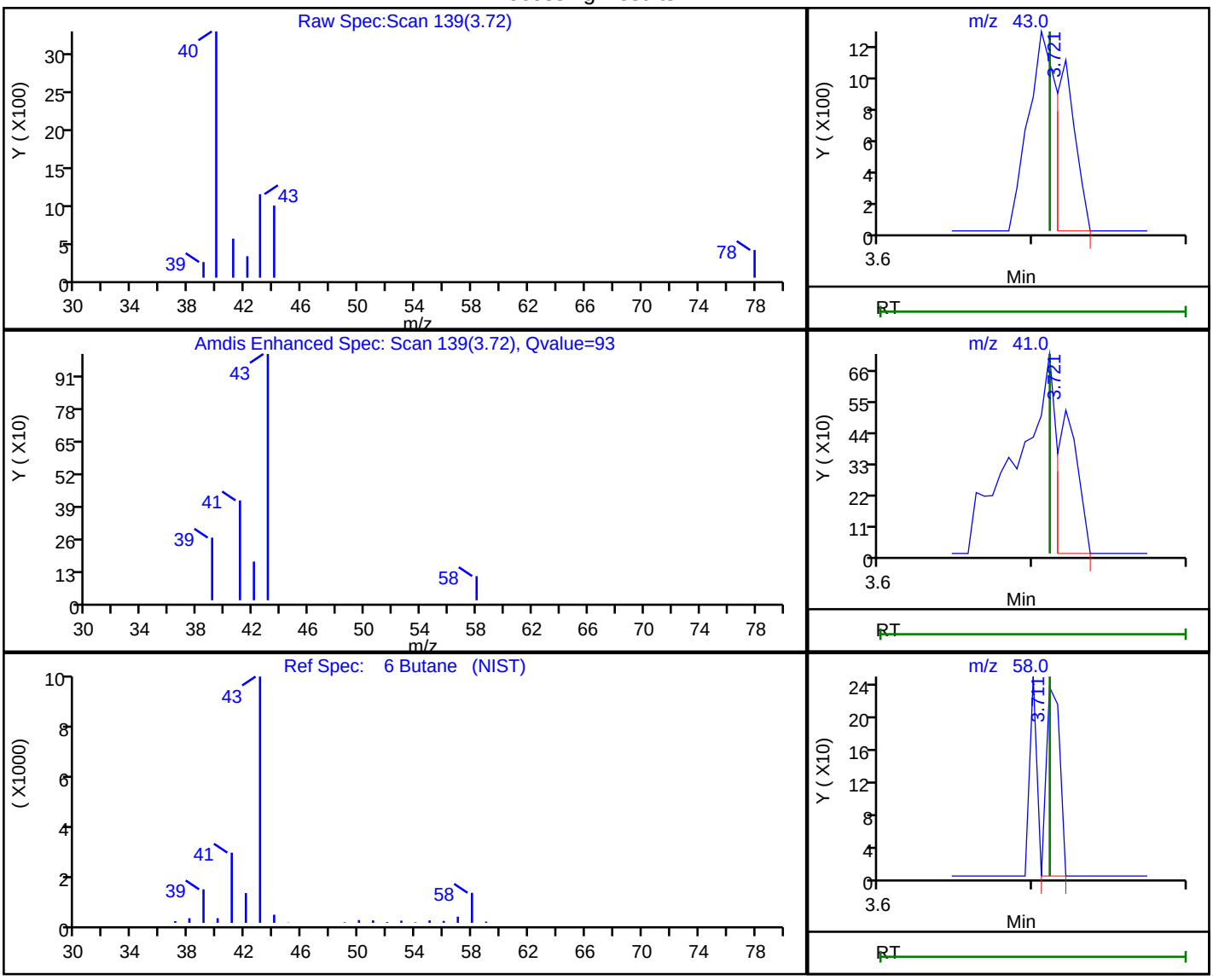
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180517-30545.b\30545-17.D				
Injection Date:	18-May-2018 02:07:30	Instrument ID:	CHB.i		
Lims ID:	200-43421-A-6	Lab Sample ID:	200-43421-6		
Client ID:	3554				
Operator ID:	vtp	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

6 Butane, CAS: 106-97-8

Processing Results



RT	Mass	Response	Amount
3.72	43.00	945	0.021760
3.72	41.00	475	
3.71	58.00	141	

Reviewer: bunmaa, 18-May-2018 14:02:33

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

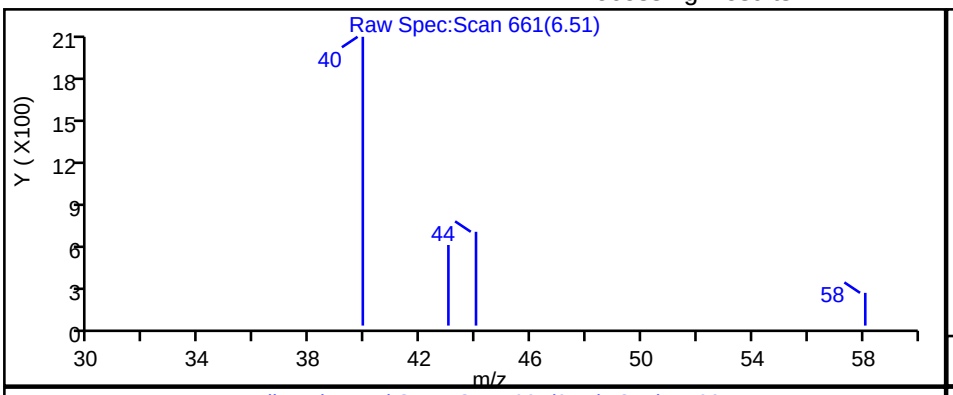
User Disabled Compound Report

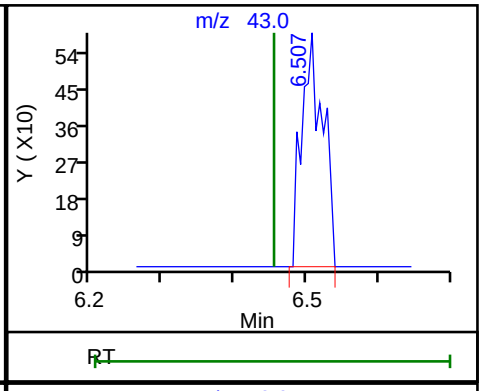
TestAmerica Burlington

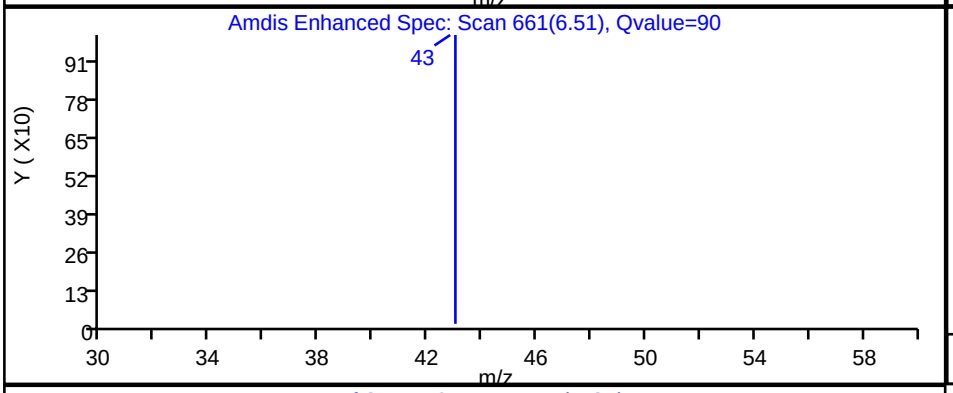
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180517-30545.b\30545-17.D				
Injection Date:	18-May-2018 02:07:30	Instrument ID:	CHB.i		
Lims ID:	200-43421-A-6	Lab Sample ID:	200-43421-6		
Client ID:	3554				
Operator ID:	vtp	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

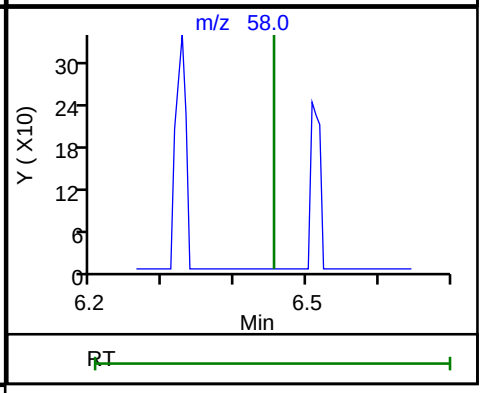
21 Acetone, CAS: 67-64-1

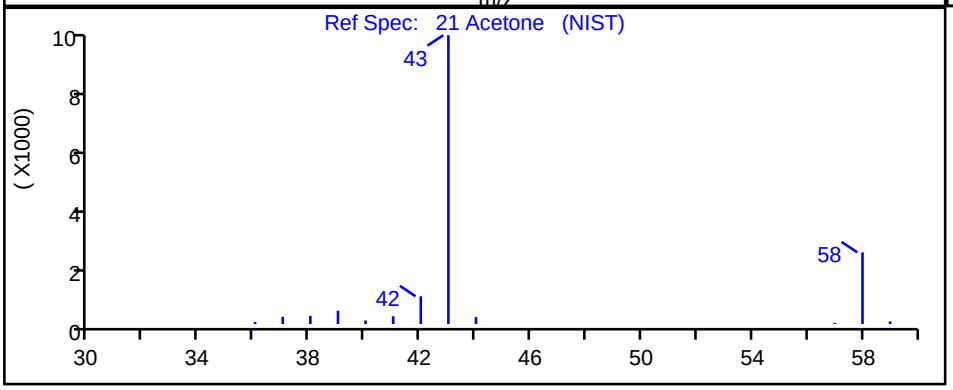
Processing Results











RT	Mass	Response	Amount
6.51	43.00	1208	0.026470
6.51	58.00	0	

Reviewer: bunmaa, 18-May-2018 14:02:51

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

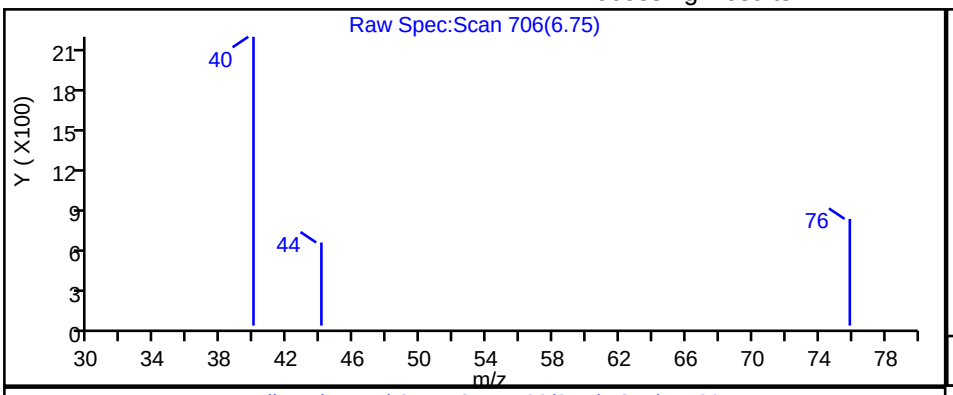
User Disabled Compound Report

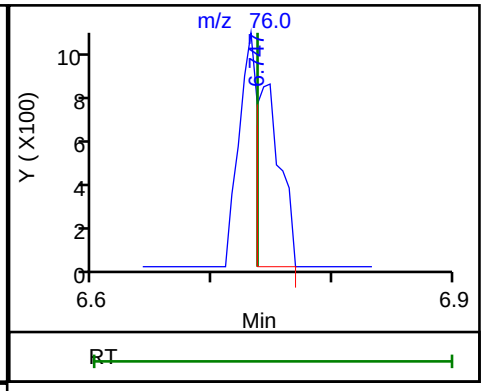
TestAmerica Burlington

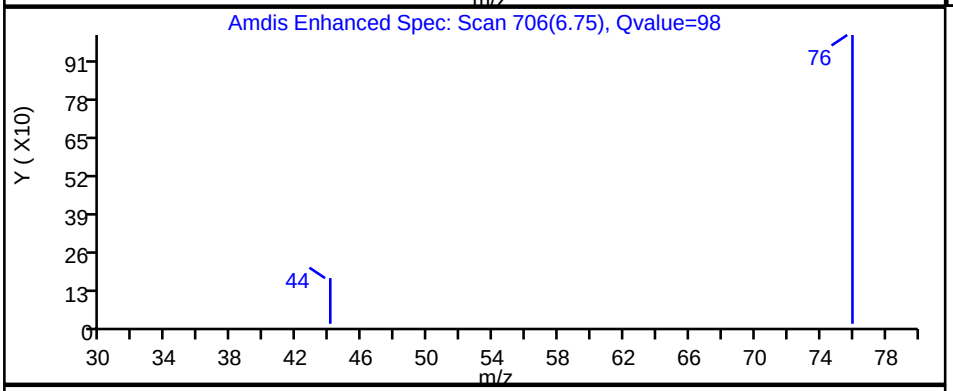
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180517-30545.b\30545-17.D				
Injection Date:	18-May-2018 02:07:30	Instrument ID:	CHB.i		
Lims ID:	200-43421-A-6	Lab Sample ID:	200-43421-6		
Client ID:	3554				
Operator ID:	vtp	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

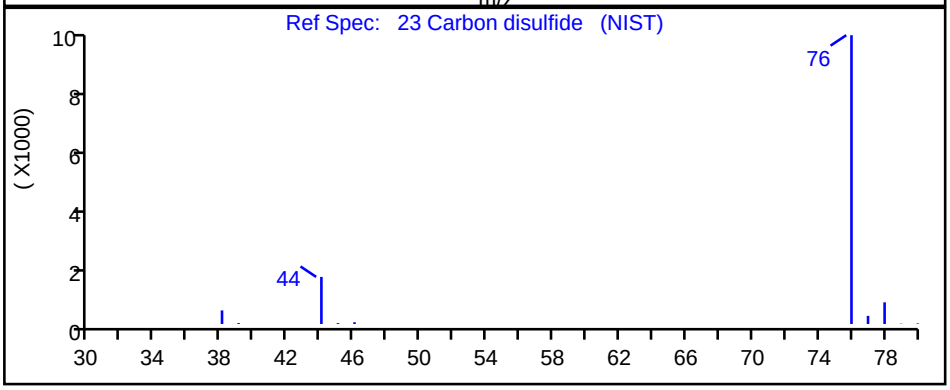
23 Carbon disulfide, CAS: 75-15-0

Processing Results









RT	Mass	Response	Amount
6.75	76.00	1111	0.010635

Reviewer: bunmaa, 18-May-2018 14:03:21

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

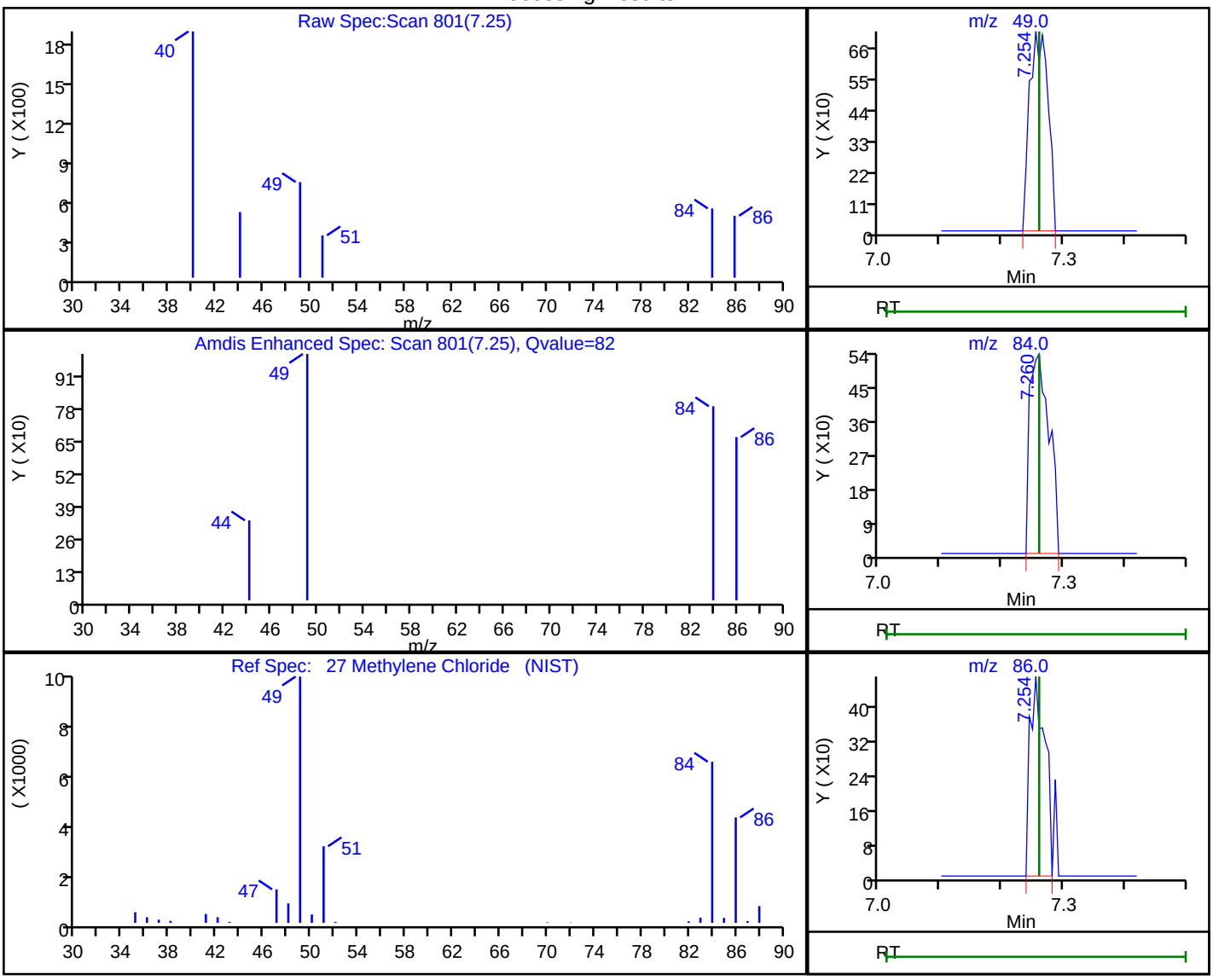
User Disabled Compound Report

TestAmerica Burlington

Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180517-30545.b\30545-17.D				
Injection Date:	18-May-2018 02:07:30	Instrument ID:	CHB.i		
Lims ID:	200-43421-A-6	Lab Sample ID:	200-43421-6		
Client ID:	3554				
Operator ID:	vtp	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

27 Methylene Chloride, CAS: 75-09-2

Processing Results



RT	Mass	Response	Amount
7.25	49.00	1490	0.035702
7.26	84.00	1175	
7.25	86.00	785	

Reviewer: bunmaa, 18-May-2018 14:03:33

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

TestAmerica Burlington

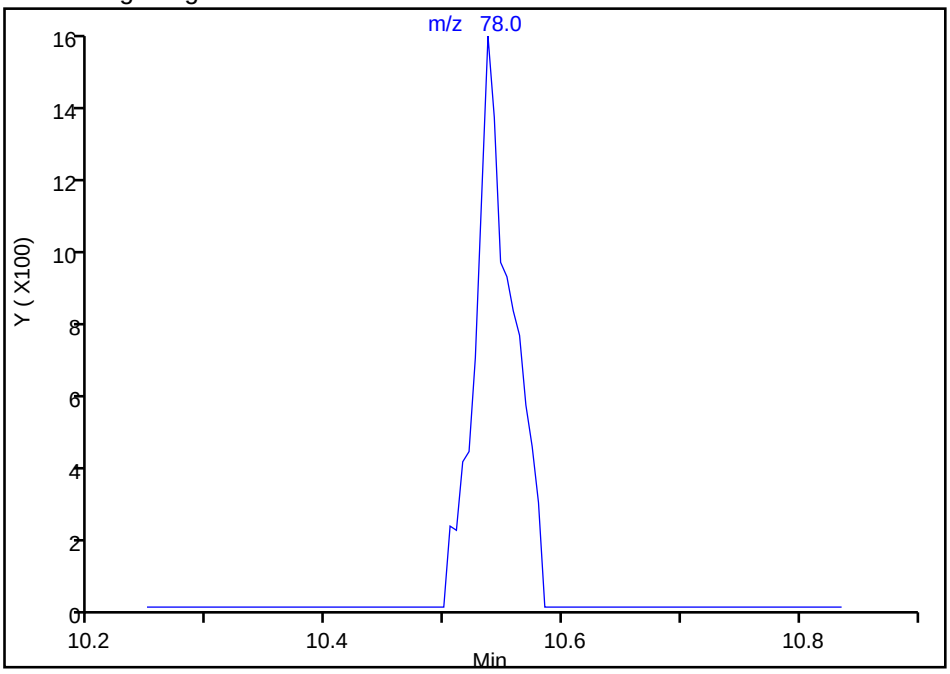
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180517-30545.b\30545-17.D				
Injection Date:	18-May-2018 02:07:30	Instrument ID:	CHB.i		
Lims ID:	200-43421-A-6	Lab Sample ID:	200-43421-6		
Client ID:	3554				
Operator ID:	vtp	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

46 Benzene, CAS: 71-43-2

Signal: 1

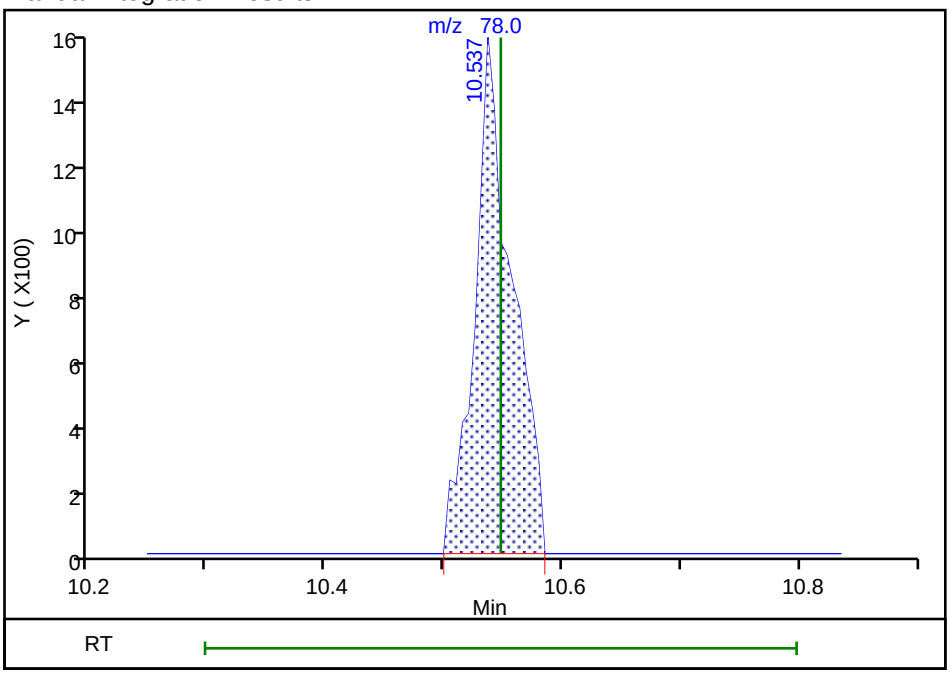
Not Detected
Expected RT: 10.55

Processing Integration Results



Manual Integration Results

RT: 10.54
Area: 3292
Amount: 0.023117
Amount Units: ppb v/v



Reviewer: bunmaa, 18-May-2018 14:04:00
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Burlington

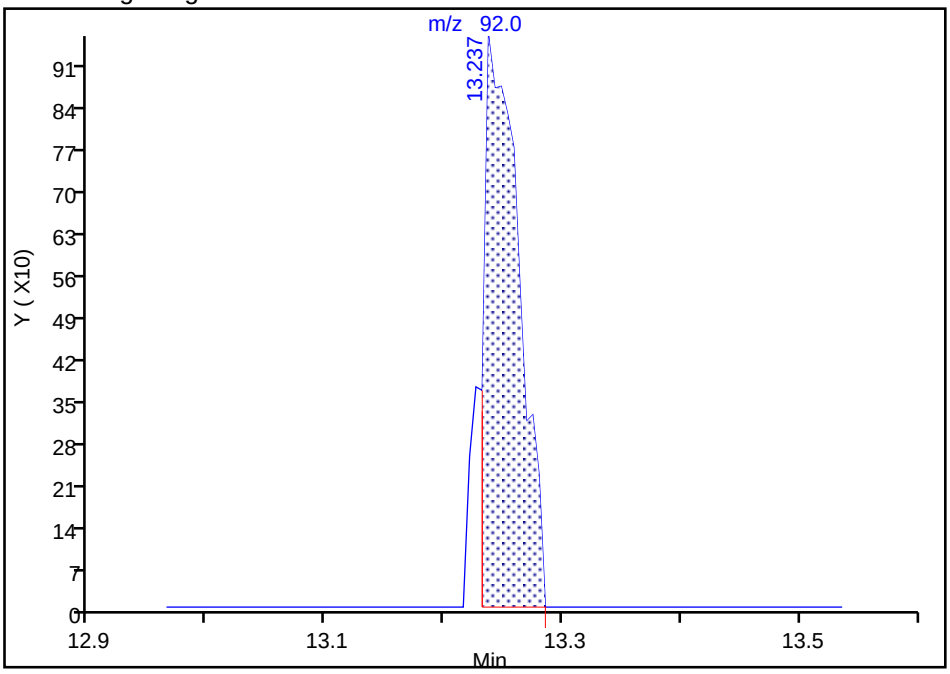
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180517-30545.b\30545-17.D				
Injection Date:	18-May-2018 02:07:30	Instrument ID:	CHB.i		
Lims ID:	200-43421-A-6	Lab Sample ID:	200-43421-6		
Client ID:	3554				
Operator ID:	vtp	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

64 Toluene, CAS: 108-88-3

Signal: 1

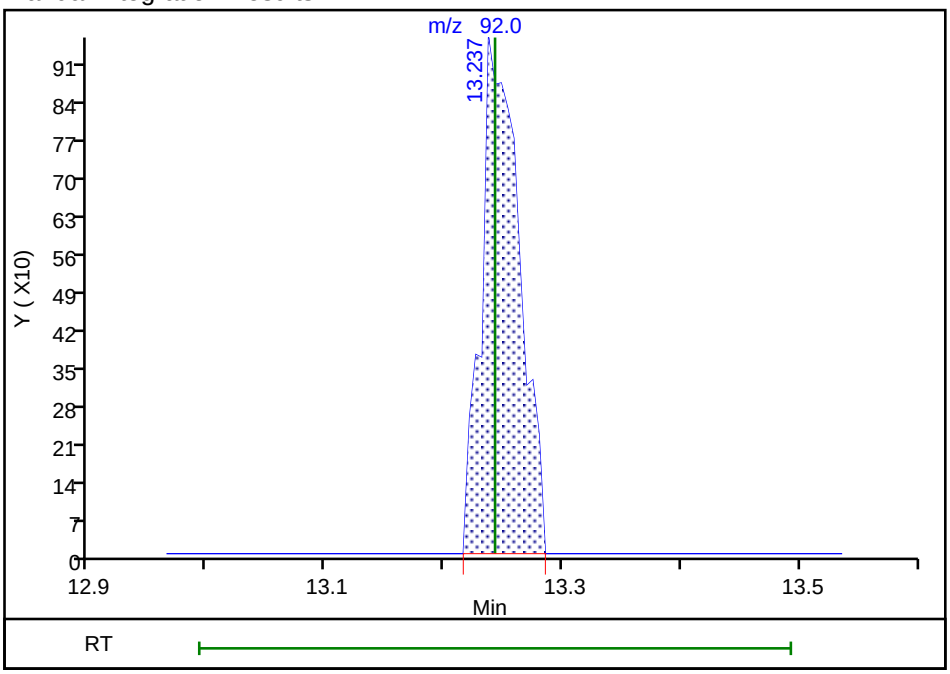
Processing Integration Results

RT: 13.24
Area: 1930
Amount: 0.018952
Amount Units: ppb v/v



Manual Integration Results

RT: 13.24
Area: 2129
Amount: 0.020906
Amount Units: ppb v/v



Reviewer: bunmaa, 18-May-2018 14:04:39

Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Burlington

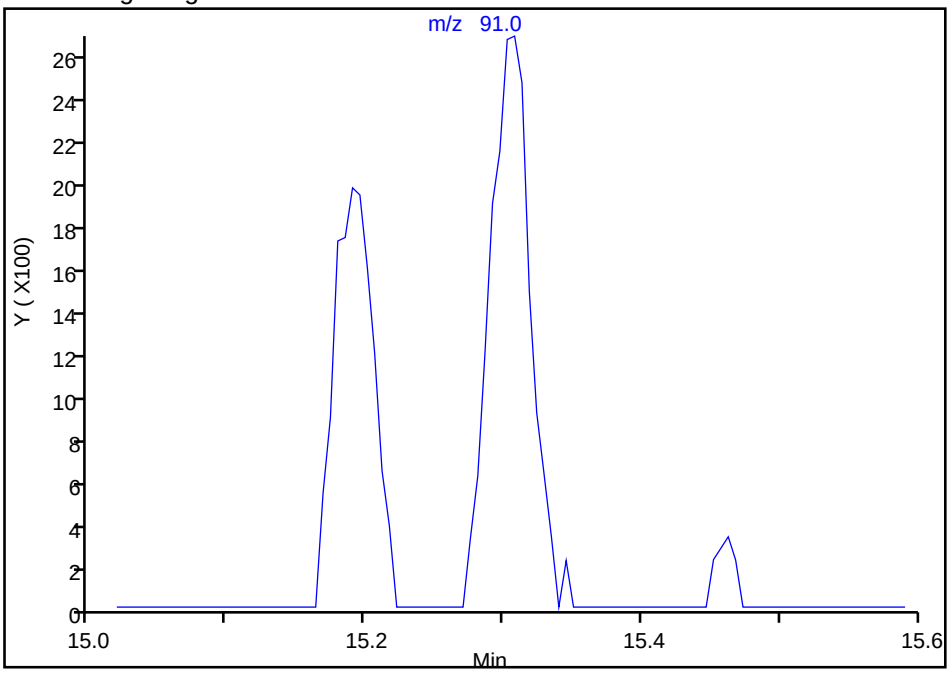
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180517-30545.b\30545-17.D				
Injection Date:	18-May-2018 02:07:30	Instrument ID:	CHB.i		
Lims ID:	200-43421-A-6	Lab Sample ID:	200-43421-6		
Client ID:	3554				
Operator ID:	vtp	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

74 Ethylbenzene, CAS: 100-41-4

Signal: 1

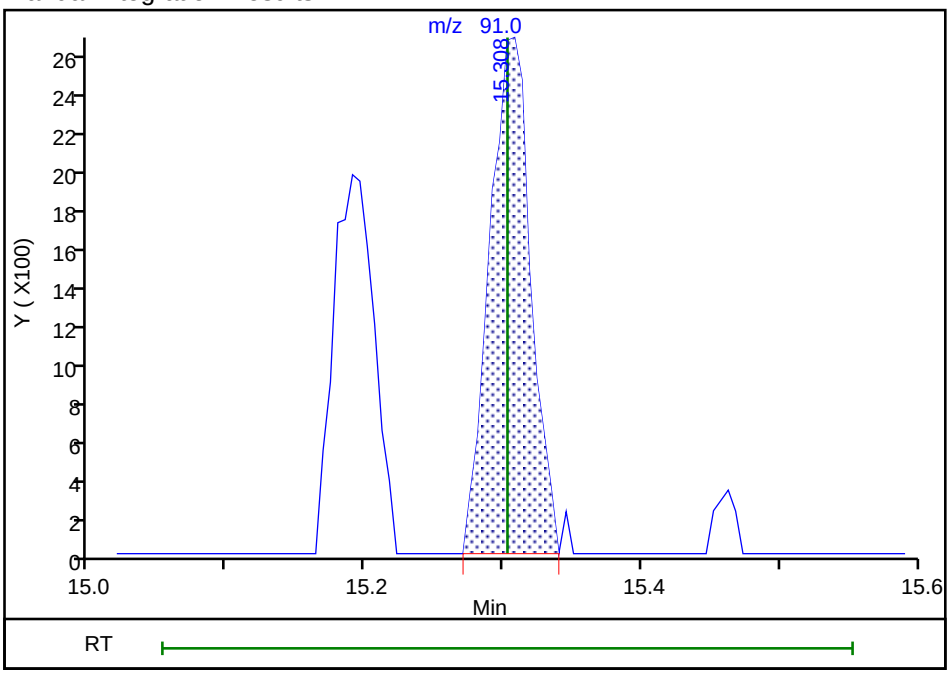
Not Detected
Expected RT: 15.30

Processing Integration Results



RT: 15.31
Area: 5500
Amount: 0.026008
Amount Units: ppb v/v

Manual Integration Results



Reviewer: bunmaa, 18-May-2018 14:05:02
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

TestAmerica Burlington

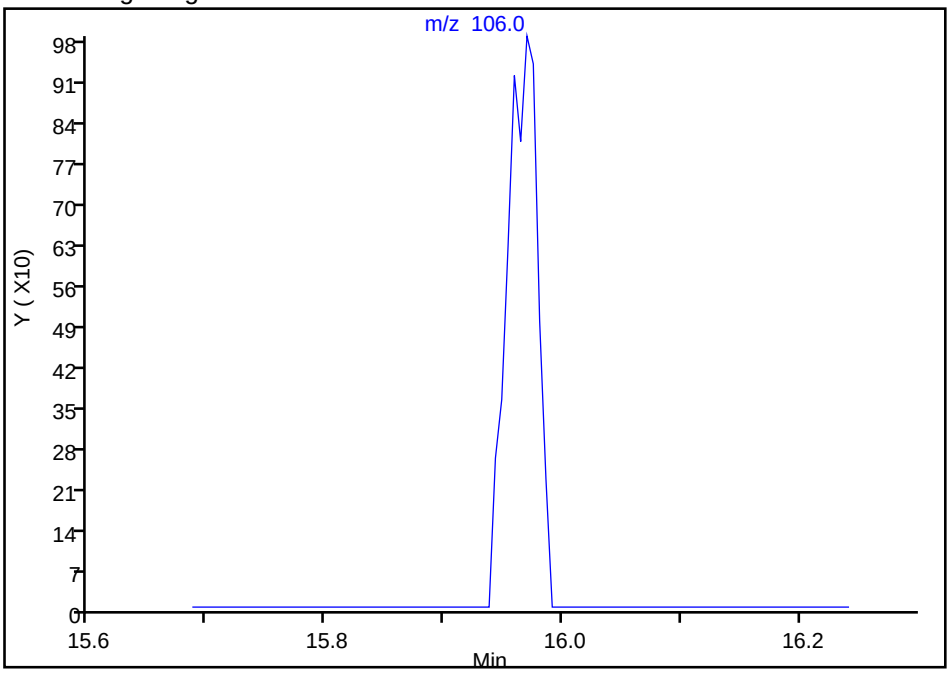
Data File:	\\ChromNA\Burlington\ChromData\CHB.i\20180517-30545.b\30545-17.D				
Injection Date:	18-May-2018 02:07:30	Instrument ID:	CHB.i		
Lims ID:	200-43421-A-6	Lab Sample ID:	200-43421-6		
Client ID:	3554				
Operator ID:	vtp	ALS Bottle#:	16	Worklist Smp#:	17
Purge Vol:	200.000 mL	Dil. Factor:	0.2000		
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		
Column:	RTX-624 (0.32 mm)	Detector	MS SCAN		

78 o-Xylene, CAS: 95-47-6

Signal: 1

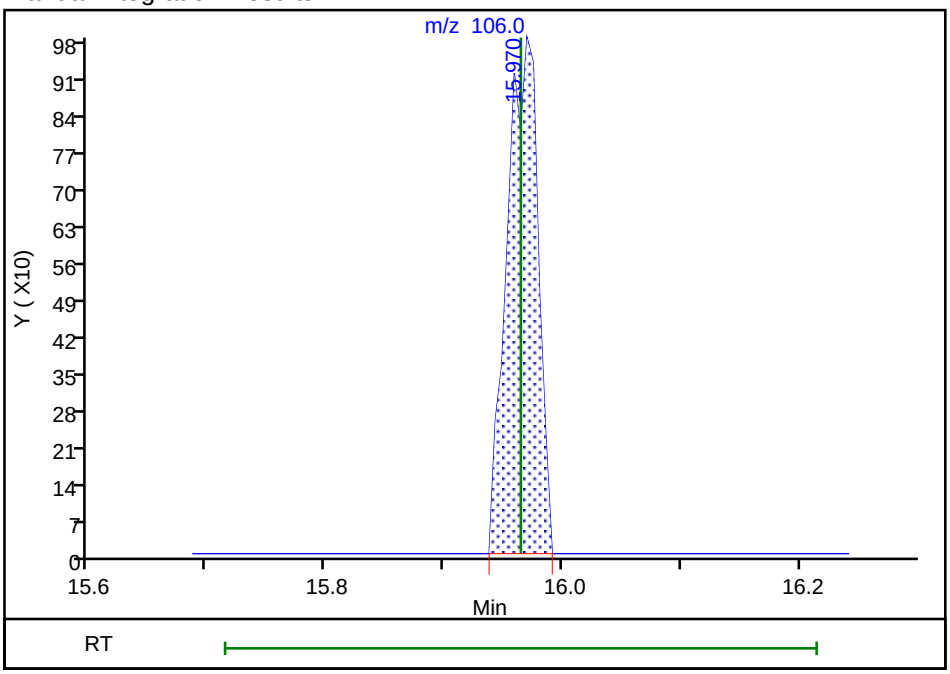
Processing Integration Results

Not Detected
Expected RT: 15.96



Manual Integration Results

RT: 15.97
Area: 1792
Amount: 0.020685
Amount Units: ppb v/v



Reviewer: bunmaa, 18-May-2018 14:05:14
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

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: 480-136629-1
Client Project/Site: Town of Dewitt
Sampling Event: Surfacewater - Quarterly (3,6,9,12)

For:
Town of Dewitt
5400 Butternut Drive
East Syracuse, New York 13057

Attn: Michael Moracco

Authorized for release by:
6/15/2018 12:23:13 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@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.

Metals

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.
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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: 480-136629-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-136629-1

Comments
No additional comments.

Receipt
The samples were received on 5/30/2018 1:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.8º C.

GC/MS VOA
Method(s) 624: The preservative used in the sample containers provided is not compatible with the Method 624 analytes requested. The following samples were received preserved with hydrochloric acid: SW-1 (480-136629-1), SW-3 (480-136629-3) and TRIP BLANK (480-136629-4). The requested target analyte list contains 2-Chloroethyl vinyl ether, Acrylonitrile and Acrolein, which are acid-labile compounds that degrade in an acidic medium.

Method(s) 624: The following sample was collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: SW-2 (480-136629-2). The sample was analyzed within 7 days per EPA recommendation.

Method(s) 624: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: SW-3 (480-136629-3). Elevated reporting limits (RLs) are provided.

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

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

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

Detection Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-136629-1

Client Sample ID: SW-1 — Lab Sample ID: 480-136629-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.0018	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Total Dissolved Solids	483		10.0	4.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: SW-2 — Lab Sample ID: 480-136629-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	0.95	J	5.0	0.87	ug/L	1		624	Total/NA
Zinc	0.0057	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Total Dissolved Solids	823	B	10.0	4.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: SW-3 — Lab Sample ID: 480-136629-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.5	J	10	1.6	ug/L	2		624	Total/NA
Chromium	0.0018	J	0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0020	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Nickel	0.0045	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Zinc	0.0063	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Nickel	0.0033	J	0.010	0.0013	mg/L	1		6010C	Dissolved
Zinc	0.015	B	0.010	0.0015	mg/L	1		6010C	Dissolved
Total Dissolved Solids	552	B	10.0	4.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-136629-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-136629-1

Client Sample ID: SW-1

Date Collected: 05/25/18 14:15
Date Received: 05/30/18 01:15

Lab Sample ID: 480-136629-1

Matrix: Surface Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			05/30/18 20:51	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			05/30/18 20:51	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/30/18 20:51	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			05/30/18 20:51	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			05/30/18 20:51	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			05/30/18 20:51	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/30/18 20:51	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/30/18 20:51	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			05/30/18 20:51	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			05/30/18 20:51	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			05/30/18 20:51	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			05/30/18 20:51	1
Acrolein	ND		100	17	ug/L			05/30/18 20:51	1
Acrylonitrile	ND		50	1.9	ug/L			05/30/18 20:51	1
Benzene	ND		5.0	0.60	ug/L			05/30/18 20:51	1
Bromoform	ND		5.0	0.47	ug/L			05/30/18 20:51	1
Bromomethane	ND		5.0	1.2	ug/L			05/30/18 20:51	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/30/18 20:51	1
Chlorobenzene	ND		5.0	0.48	ug/L			05/30/18 20:51	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			05/30/18 20:51	1
Chloroethane	ND		5.0	0.87	ug/L			05/30/18 20:51	1
Chloroform	ND		5.0	0.54	ug/L			05/30/18 20:51	1
Chloromethane	ND		5.0	0.64	ug/L			05/30/18 20:51	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			05/30/18 20:51	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			05/30/18 20:51	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/30/18 20:51	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/30/18 20:51	1
Tetrachloroethene	ND		5.0	0.34	ug/L			05/30/18 20:51	1
Toluene	ND		5.0	0.45	ug/L			05/30/18 20:51	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			05/30/18 20:51	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			05/30/18 20:51	1
Trichloroethene	ND		5.0	0.60	ug/L			05/30/18 20:51	1
Vinyl chloride	ND		5.0	0.75	ug/L			05/30/18 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 130*		*05/30/18 20:51*	*1*
4-Bromofluorobenzene (Surr)	*95*		*76 - 123*		*05/30/18 20:51*	*1*
Toluene-d8 (Surr)	*91*		*77 - 120*		*05/30/18 20:51*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/31/18 09:45	06/01/18 20:15	1
Arsenic	ND		0.015	0.0056	mg/L		05/31/18 09:45	06/01/18 20:15	1
Beryllium	ND		0.0020	0.00030	mg/L		05/31/18 09:45	06/01/18 20:15	1
Cadmium	ND		0.0020	0.00050	mg/L		05/31/18 09:45	06/01/18 20:15	1
Chromium	**0.0018**	**J**	0.0040	0.0010	mg/L		05/31/18 09:45	06/01/18 20:15	1
Copper	ND		0.010	0.0016	mg/L		05/31/18 09:45	06/01/18 20:15	1
Lead	ND		0.010	0.0030	mg/L		05/31/18 09:45	06/01/18 20:15	1
Nickel	ND		0.010	0.0013	mg/L		05/31/18 09:45	06/01/18 20:15	1
Selenium	ND		0.025	0.0087	mg/L		05/31/18 09:45	06/01/18 20:15	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-136629-1

Client Sample ID: SW-1

Date Collected: 05/25/18 14:15
Date Received: 05/30/18 01:15

Lab Sample ID: 480-136629-1

Matrix: Surface Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		05/31/18 09:45	06/01/18 20:15	1
Thallium	ND		0.020	0.010	mg/L		05/31/18 09:45	06/01/18 20:15	1
Zinc	ND		0.010	0.0015	mg/L		05/31/18 09:45	06/01/18 20:15	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/07/18 12:50	06/07/18 18:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**483**		10.0	4.0	mg/L			05/31/18 18:41	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-136629-1

Client Sample ID: SW-2

Date Collected: 05/25/18 13:45
Date Received: 05/30/18 01:15

Lab Sample ID: 480-136629-2

Matrix: Surface Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			05/30/18 21:15	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			05/30/18 21:15	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/30/18 21:15	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			05/30/18 21:15	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			05/30/18 21:15	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			05/30/18 21:15	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/30/18 21:15	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/30/18 21:15	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			05/30/18 21:15	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			05/30/18 21:15	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			05/30/18 21:15	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			05/30/18 21:15	1
Acrolein	ND		100	17	ug/L			05/30/18 21:15	1
Acrylonitrile	ND		50	1.9	ug/L			05/30/18 21:15	1
Benzene	ND		5.0	0.60	ug/L			05/30/18 21:15	1
Bromoform	ND		5.0	0.47	ug/L			05/30/18 21:15	1
Bromomethane	ND		5.0	1.2	ug/L			05/30/18 21:15	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/30/18 21:15	1
Chlorobenzene	ND		5.0	0.48	ug/L			05/30/18 21:15	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			05/30/18 21:15	1
Chloroethane	**0.95**	**J**	5.0	0.87	ug/L			05/30/18 21:15	1
Chloroform	ND		5.0	0.54	ug/L			05/30/18 21:15	1
Chloromethane	ND		5.0	0.64	ug/L			05/30/18 21:15	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			05/30/18 21:15	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			05/30/18 21:15	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/30/18 21:15	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/30/18 21:15	1
Tetrachloroethene	ND		5.0	0.34	ug/L			05/30/18 21:15	1
Toluene	ND		5.0	0.45	ug/L			05/30/18 21:15	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			05/30/18 21:15	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			05/30/18 21:15	1
Trichloroethene	ND		5.0	0.60	ug/L			05/30/18 21:15	1
Vinyl chloride	ND		5.0	0.75	ug/L			05/30/18 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 130*		*05/30/18 21:15*	*1*
4-Bromofluorobenzene (Surr)	*94*		*76 - 123*		*05/30/18 21:15*	*1*
Toluene-d8 (Surr)	*91*		*77 - 120*		*05/30/18 21:15*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/31/18 09:45	06/01/18 20:18	1
Arsenic	ND		0.015	0.0056	mg/L		05/31/18 09:45	06/01/18 20:18	1
Beryllium	ND		0.0020	0.00030	mg/L		05/31/18 09:45	06/01/18 20:18	1
Cadmium	ND		0.0020	0.00050	mg/L		05/31/18 09:45	06/01/18 20:18	1
Chromium	ND		0.0040	0.0010	mg/L		05/31/18 09:45	06/01/18 20:18	1
Copper	ND		0.010	0.0016	mg/L		05/31/18 09:45	06/01/18 20:18	1
Lead	ND		0.010	0.0030	mg/L		05/31/18 09:45	06/01/18 20:18	1
Nickel	ND		0.010	0.0013	mg/L		05/31/18 09:45	06/01/18 20:18	1
Selenium	ND		0.025	0.0087	mg/L		05/31/18 09:45	06/01/18 20:18	1

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-136629-1

Client Sample ID: SW-2

Date Collected: 05/25/18 13:45
Date Received: 05/30/18 01:15

Lab Sample ID: 480-136629-2

Matrix: Surface Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		05/31/18 09:45	06/01/18 20:18	1
Thallium	ND		0.020	0.010	mg/L		05/31/18 09:45	06/01/18 20:18	1
Zinc	**0.0057**	**J**	0.010	0.0015	mg/L		05/31/18 09:45	06/01/18 20:18	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/07/18 12:50	06/07/18 19:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**823**	**B**	10.0	4.0	mg/L			06/01/18 14:49	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-136629-1

Client Sample ID: SW-3

Date Collected: 05/25/18 13:25
Date Received: 05/30/18 01:15

Lab Sample ID: 480-136629-3

Matrix: Surface Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	0.77	ug/L			05/30/18 21:39	2
1,1,2,2-Tetrachloroethane	ND		10	0.52	ug/L			05/30/18 21:39	2
1,1,2-Trichloroethane	ND		10	0.96	ug/L			05/30/18 21:39	2
1,1-Dichloroethane	ND		10	1.2	ug/L			05/30/18 21:39	2
1,1-Dichloroethene	ND		10	1.7	ug/L			05/30/18 21:39	2
1,2-Dichlorobenzene	ND		10	0.89	ug/L			05/30/18 21:39	2
1,2-Dichloroethane	ND		10	1.2	ug/L			05/30/18 21:39	2
1,2-Dichloroethene, Total	ND		20	6.4	ug/L			05/30/18 21:39	2
1,2-Dichloropropane	ND		10	1.2	ug/L			05/30/18 21:39	2
1,3-Dichlorobenzene	ND		10	1.1	ug/L			05/30/18 21:39	2
1,4-Dichlorobenzene	ND		10	1.0	ug/L			05/30/18 21:39	2
2-Chloroethyl vinyl ether	ND		50	3.7	ug/L			05/30/18 21:39	2
Acrolein	ND		200	35	ug/L			05/30/18 21:39	2
Acrylonitrile	ND		100	3.8	ug/L			05/30/18 21:39	2
Benzene	ND		10	1.2	ug/L			05/30/18 21:39	2
Bromoform	ND		10	0.94	ug/L			05/30/18 21:39	2
Bromomethane	ND		10	2.4	ug/L			05/30/18 21:39	2
Carbon tetrachloride	ND		10	1.0	ug/L			05/30/18 21:39	2
Chlorobenzene	ND		10	0.95	ug/L			05/30/18 21:39	2
Chlorodibromomethane	ND		10	0.83	ug/L			05/30/18 21:39	2
Chloroethane	ND		10	1.7	ug/L			05/30/18 21:39	2
Chloroform	ND		10	1.1	ug/L			05/30/18 21:39	2
Chloromethane	ND		10	1.3	ug/L			05/30/18 21:39	2
cis-1,3-Dichloropropene	ND		10	0.66	ug/L			05/30/18 21:39	2
Dichlorobromomethane	ND		10	1.1	ug/L			05/30/18 21:39	2
Ethylbenzene	ND		10	0.93	ug/L			05/30/18 21:39	2
Methylene Chloride	**2.5**	**J**	10	1.6	ug/L			05/30/18 21:39	2
Tetrachloroethene	ND		10	0.68	ug/L			05/30/18 21:39	2
Toluene	ND		10	0.91	ug/L			05/30/18 21:39	2
trans-1,2-Dichloroethene	ND		10	1.2	ug/L			05/30/18 21:39	2
trans-1,3-Dichloropropene	ND		10	0.88	ug/L			05/30/18 21:39	2
Trichloroethene	ND		10	1.2	ug/L			05/30/18 21:39	2
Vinyl chloride	ND		10	1.5	ug/L			05/30/18 21:39	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 130*		*05/30/18 21:39*	*2*
4-Bromofluorobenzene (Surr)	*95*		*76 - 123*		*05/30/18 21:39*	*2*
Toluene-d8 (Surr)	*92*		*77 - 120*		*05/30/18 21:39*	*2*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/31/18 09:45	06/01/18 20:22	1
Arsenic	ND		0.015	0.0056	mg/L		05/31/18 09:45	06/01/18 20:22	1
Beryllium	ND		0.0020	0.00030	mg/L		05/31/18 09:45	06/01/18 20:22	1
Cadmium	ND		0.0020	0.00050	mg/L		05/31/18 09:45	06/01/18 20:22	1
Chromium	**0.0018**	**J**	0.0040	0.0010	mg/L		05/31/18 09:45	06/01/18 20:22	1
Copper	**0.0020**	**J**	0.010	0.0016	mg/L		05/31/18 09:45	06/01/18 20:22	1
Lead	ND		0.010	0.0030	mg/L		05/31/18 09:45	06/01/18 20:22	1
Nickel	**0.0045**	**J**	0.010	0.0013	mg/L		05/31/18 09:45	06/01/18 20:22	1
Selenium	ND		0.025	0.0087	mg/L		05/31/18 09:45	06/01/18 20:22	1

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-136629-1

Client Sample ID: SW-3

Date Collected: 05/25/18 13:25
Date Received: 05/30/18 01:15

Lab Sample ID: 480-136629-3

Matrix: Surface Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		05/31/18 09:45	06/01/18 20:22	1
Thallium	ND		0.020	0.010	mg/L		05/31/18 09:45	06/01/18 20:22	1
Zinc	**0.0063**	**J**	0.010	0.0015	mg/L		05/31/18 09:45	06/01/18 20:22	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		06/05/18 09:14	06/07/18 01:51	1
Arsenic	ND		0.015	0.0056	mg/L		06/05/18 09:14	06/07/18 01:51	1
Beryllium	ND		0.0020	0.00030	mg/L		06/05/18 09:14	06/07/18 01:51	1
Cadmium	ND		0.0020	0.00050	mg/L		06/05/18 09:14	06/07/18 01:51	1
Chromium	ND		0.0040	0.0010	mg/L		06/05/18 09:14	06/07/18 01:51	1
Copper	ND		0.010	0.0016	mg/L		06/05/18 09:14	06/07/18 01:51	1
Lead	ND		0.010	0.0030	mg/L		06/05/18 09:14	06/07/18 01:51	1
Nickel	**0.0033**	**J**	0.010	0.0013	mg/L		06/05/18 09:14	06/07/18 01:51	1
Selenium	ND		0.025	0.0087	mg/L		06/05/18 09:14	06/07/18 01:51	1
Silver	ND		0.0060	0.0017	mg/L		06/05/18 09:14	06/07/18 01:51	1
Thallium	ND		0.020	0.010	mg/L		06/05/18 09:14	06/07/18 01:51	1
Zinc	**0.015**	**B**	0.010	0.0015	mg/L		06/05/18 09:14	06/07/18 01:51	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/07/18 12:50	06/07/18 19:33	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/14/18 10:50	06/14/18 16:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**552**	**B**	10.0	4.0	mg/L			06/01/18 14:49	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-136629-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-136629-4

Date Collected: 05/25/18 00:00
Date Received: 05/30/18 01:15

Matrix: Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			05/30/18 22:03	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			05/30/18 22:03	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/30/18 22:03	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			05/30/18 22:03	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			05/30/18 22:03	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			05/30/18 22:03	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/30/18 22:03	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/30/18 22:03	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			05/30/18 22:03	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			05/30/18 22:03	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			05/30/18 22:03	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			05/30/18 22:03	1
Acrolein	ND		100	17	ug/L			05/30/18 22:03	1
Acrylonitrile	ND		50	1.9	ug/L			05/30/18 22:03	1
Benzene	ND		5.0	0.60	ug/L			05/30/18 22:03	1
Bromoform	ND		5.0	0.47	ug/L			05/30/18 22:03	1
Bromomethane	ND		5.0	1.2	ug/L			05/30/18 22:03	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/30/18 22:03	1
Chlorobenzene	ND		5.0	0.48	ug/L			05/30/18 22:03	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			05/30/18 22:03	1
Chloroethane	ND		5.0	0.87	ug/L			05/30/18 22:03	1
Chloroform	ND		5.0	0.54	ug/L			05/30/18 22:03	1
Chloromethane	ND		5.0	0.64	ug/L			05/30/18 22:03	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			05/30/18 22:03	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			05/30/18 22:03	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/30/18 22:03	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/30/18 22:03	1
Tetrachloroethene	ND		5.0	0.34	ug/L			05/30/18 22:03	1
Toluene	ND		5.0	0.45	ug/L			05/30/18 22:03	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			05/30/18 22:03	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			05/30/18 22:03	1
Trichloroethene	ND		5.0	0.60	ug/L			05/30/18 22:03	1
Vinyl chloride	ND		5.0	0.75	ug/L			05/30/18 22:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 130*		*05/30/18 22:03*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 123*		*05/30/18 22:03*	*1*
Toluene-d8 (Surr)	*91*		*77 - 120*		*05/30/18 22:03*	*1*

Surrogate Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-136629-1

Method: 624 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(77-120)
480-136629-1	SW-1	104	95	91
480-136629-2	SW-2	102	94	91
480-136629-3	SW-3	102	95	92

Surrogate Legend

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

Method: 624 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(77-120)
480-136629-4	TRIP BLANK	104	97	91
LCS 480-417100/6	Lab Control Sample	100	95	90
MB 480-417100/8	Method Blank	102	94	92

Surrogate Legend

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

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-417100/8
Matrix: Water
Analysis Batch: 417100

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		5.0	0.39	ug/L			05/30/18 19:33	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			05/30/18 19:33	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/30/18 19:33	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			05/30/18 19:33	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			05/30/18 19:33	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			05/30/18 19:33	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/30/18 19:33	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/30/18 19:33	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			05/30/18 19:33	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			05/30/18 19:33	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			05/30/18 19:33	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			05/30/18 19:33	1
Acrolein	ND		100	17	ug/L			05/30/18 19:33	1
Acrylonitrile	ND		50	1.9	ug/L			05/30/18 19:33	1
Benzene	ND		5.0	0.60	ug/L			05/30/18 19:33	1
Bromoform	ND		5.0	0.47	ug/L			05/30/18 19:33	1
Bromomethane	ND		5.0	1.2	ug/L			05/30/18 19:33	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/30/18 19:33	1
Chlorobenzene	ND		5.0	0.48	ug/L			05/30/18 19:33	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			05/30/18 19:33	1
Chloroethane	ND		5.0	0.87	ug/L			05/30/18 19:33	1
Chloroform	ND		5.0	0.54	ug/L			05/30/18 19:33	1
Chloromethane	ND		5.0	0.64	ug/L			05/30/18 19:33	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			05/30/18 19:33	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			05/30/18 19:33	1
Ethylbenzene	ND		5.0	0.46	ug/L			05/30/18 19:33	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/30/18 19:33	1
Tetrachloroethene	ND		5.0	0.34	ug/L			05/30/18 19:33	1
Toluene	ND		5.0	0.45	ug/L			05/30/18 19:33	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			05/30/18 19:33	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			05/30/18 19:33	1
Trichloroethene	ND		5.0	0.60	ug/L			05/30/18 19:33	1
Vinyl chloride	ND		5.0	0.75	ug/L			05/30/18 19:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 130*		*05/30/18 19:33*	*1*
4-Bromofluorobenzene (Surr)	*94*		*76 - 123*		*05/30/18 19:33*	*1*
Toluene-d8 (Surr)	*92*		*77 - 120*		*05/30/18 19:33*	*1*

Lab Sample ID: LCS 480-417100/6
Matrix: Water
Analysis Batch: 417100

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	20.0	18.8		ug/L		94	52 - 162
1,1,2,2-Tetrachloroethane	20.0	18.3		ug/L		91	46 - 157
1,1,2-Trichloroethane	20.0	18.5		ug/L		92	52 - 150
1,1-Dichloroethane	20.0	19.0		ug/L		95	59 - 155

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-417100/6
Matrix: Water
Analysis Batch: 417100

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	20.0	19.4		ug/L		97	1 - 234
1,2-Dichlorobenzene	20.0	17.5		ug/L		87	18 - 190
1,2-Dichloroethane	20.0	19.7		ug/L		99	49 - 155
1,2-Dichloropropane	20.0	19.0		ug/L		95	1 - 210
1,3-Dichlorobenzene	20.0	16.9		ug/L		85	59 - 156
1,4-Dichlorobenzene	20.0	17.1		ug/L		85	18 - 190
2-Chloroethyl vinyl ether	20.0	21.8	J	ug/L		109	1 - 305
Benzene	20.0	18.9		ug/L		95	37 - 151
Bromoform	20.0	18.8		ug/L		94	45 - 169
Bromomethane	20.0	18.9		ug/L		95	1 - 242
Carbon tetrachloride	20.0	18.9		ug/L		94	70 - 140
Chlorobenzene	20.0	17.7		ug/L		88	37 - 160
Chlorodibromomethane	20.0	18.4		ug/L		92	53 - 149
Chloroethane	20.0	18.6		ug/L		93	14 - 230
Chloroform	20.0	18.4		ug/L		92	51 - 138
Chloromethane	20.0	17.8		ug/L		89	1 - 273
cis-1,3-Dichloropropene	20.0	18.8		ug/L		94	1 - 227
Dichlorobromomethane	20.0	19.0		ug/L		95	35 - 155
Ethylbenzene	20.0	17.6		ug/L		88	37 - 162
Methylene Chloride	20.0	18.2		ug/L		91	1 - 221
Tetrachloroethene	20.0	17.2		ug/L		86	64 - 148
Toluene	20.0	16.8		ug/L		84	47 - 150
trans-1,2-Dichloroethene	20.0	18.3		ug/L		92	54 - 156
trans-1,3-Dichloropropene	20.0	17.5		ug/L		87	17 - 183
Trichloroethene	20.0	18.9		ug/L		95	71 - 157
Vinyl chloride	20.0	18.2		ug/L		91	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*68 - 130*
4-Bromofluorobenzene (Surr)	*95*		*76 - 123*
Toluene-d8 (Surr)	*90*		*77 - 120*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-417193/1-A
Matrix: Water
Analysis Batch: 417690

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 417193

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		05/31/18 09:45	06/01/18 18:37	1
Arsenic	ND		0.015	0.0056	mg/L		05/31/18 09:45	06/01/18 18:37	1
Beryllium	ND		0.0020	0.00030	mg/L		05/31/18 09:45	06/01/18 18:37	1
Cadmium	ND		0.0020	0.00050	mg/L		05/31/18 09:45	06/01/18 18:37	1
Chromium	ND		0.0040	0.0010	mg/L		05/31/18 09:45	06/01/18 18:37	1
Copper	ND		0.010	0.0016	mg/L		05/31/18 09:45	06/01/18 18:37	1
Lead	ND		0.010	0.0030	mg/L		05/31/18 09:45	06/01/18 18:37	1
Nickel	ND		0.010	0.0013	mg/L		05/31/18 09:45	06/01/18 18:37	1
Selenium	ND		0.025	0.0087	mg/L		05/31/18 09:45	06/01/18 18:37	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-417193/1-A
Matrix: Water
Analysis Batch: 417690

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 417193

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		05/31/18 09:45	06/01/18 18:37	1
Thallium	ND		0.020	0.010	mg/L		05/31/18 09:45	06/01/18 18:37	1
Zinc	ND		0.010	0.0015	mg/L		05/31/18 09:45	06/01/18 18:37	1

Lab Sample ID: LCS 480-417193/2-A
Matrix: Water
Analysis Batch: 417690

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 417193

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.200	0.197		mg/L		98	80 - 120
Arsenic	0.200	0.201		mg/L		100	80 - 120
Beryllium	0.200	0.199		mg/L		99	80 - 120
Cadmium	0.200	0.204		mg/L		102	80 - 120
Chromium	0.200	0.199		mg/L		100	80 - 120
Copper	0.200	0.199		mg/L		100	80 - 120
Lead	0.200	0.201		mg/L		101	80 - 120
Nickel	0.200	0.197		mg/L		98	80 - 120
Selenium	0.200	0.199		mg/L		99	80 - 120
Silver	0.0500	0.0514		mg/L		103	80 - 120
Thallium	0.200	0.200		mg/L		100	80 - 120
Zinc	0.200	0.205		mg/L		102	80 - 120

Lab Sample ID: MB 480-417021/1-B
Matrix: Water
Analysis Batch: 418428

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 417367

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		06/05/18 09:14	06/07/18 01:09	1
Arsenic	ND		0.015	0.0056	mg/L		06/05/18 09:14	06/07/18 01:09	1
Beryllium	ND		0.0020	0.00030	mg/L		06/05/18 09:14	06/07/18 01:09	1
Cadmium	ND		0.0020	0.00050	mg/L		06/05/18 09:14	06/07/18 01:09	1
Chromium	ND		0.0040	0.0010	mg/L		06/05/18 09:14	06/07/18 01:09	1
Copper	ND		0.010	0.0016	mg/L		06/05/18 09:14	06/07/18 01:09	1
Lead	ND		0.010	0.0030	mg/L		06/05/18 09:14	06/07/18 01:09	1
Nickel	ND		0.010	0.0013	mg/L		06/05/18 09:14	06/07/18 01:09	1
Selenium	ND		0.025	0.0087	mg/L		06/05/18 09:14	06/07/18 01:09	1
Silver	ND		0.0060	0.0017	mg/L		06/05/18 09:14	06/07/18 01:09	1
Thallium	ND		0.020	0.010	mg/L		06/05/18 09:14	06/07/18 01:09	1
Zinc	0.00790	J	0.010	0.0015	mg/L		06/05/18 09:14	06/07/18 01:09	1

Lab Sample ID: LCS 480-417021/2-B
Matrix: Water
Analysis Batch: 418428

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 417367

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.200	0.194		mg/L		97	80 - 120
Arsenic	0.200	0.204		mg/L		102	80 - 120
Beryllium	0.200	0.201		mg/L		100	80 - 120
Cadmium	0.200	0.198		mg/L		99	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-417021/2-B — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 418428 — **Prep Batch: 417367**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.200	0.201		mg/L		100	80 - 120
Copper	0.200	0.203		mg/L		101	80 - 120
Lead	0.200	0.199		mg/L		99	80 - 120
Nickel	0.200	0.203		mg/L		101	80 - 120
Selenium	0.200	0.195		mg/L		98	80 - 120
Silver	0.0500	0.0504		mg/L		101	80 - 120
Thallium	0.200	0.202		mg/L		101	80 - 120
Zinc	0.200	0.208		mg/L		104	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-418411/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 418553 — **Prep Batch: 418411**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/07/18 12:50	06/07/18 17:44	1

Lab Sample ID: LCS 480-418411/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 418553 — **Prep Batch: 418411**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00572		mg/L		86	80 - 120

Lab Sample ID: MB 480-418412/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 418553 — **Prep Batch: 418412**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/07/18 12:50	06/07/18 18:50	1

Lab Sample ID: LCS 480-418412/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 418553 — **Prep Batch: 418412**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00677		mg/L		101	80 - 120

Lab Sample ID: MB 480-417021/1-C — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 419684 — **Prep Batch: 419481**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		06/14/18 10:50	06/14/18 16:43	1

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

Lab Sample ID: LCS 480-417021/2-C — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 419684 — **Prep Batch: 419481**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00627		mg/L		94	80 - 120

Lab Sample ID: LCSD 480-417021/3-B — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 419684 — **Prep Batch: 419481**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00667	0.00637		mg/L		95	80 - 120	2	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 480-417371/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 417371

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			05/31/18 18:41	1

Lab Sample ID: LCS 480-417371/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 417371

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	516	504.0		mg/L		98	85 - 115

Lab Sample ID: MB 480-417548/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 417548

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.00	J	10.0	4.0	mg/L			06/01/18 14:49	1

Lab Sample ID: LCS 480-417548/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 417548

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	516	494.0		mg/L		96	85 - 115

QC Association Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-136629-1

GC/MS VOA

Analysis Batch: 417100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-136629-1	SW-1	Total/NA	Surface Water	624	
480-136629-2	SW-2	Total/NA	Surface Water	624	
480-136629-3	SW-3	Total/NA	Surface Water	624	
480-136629-4	TRIP BLANK	Total/NA	Water	624	
MB 480-417100/8	Method Blank	Total/NA	Water	624	
LCS 480-417100/6	Lab Control Sample	Total/NA	Water	624	

Metals

Filtration Batch: 417021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-136629-3	SW-3	Dissolved	Surface Water	FILTRATION	
MB 480-417021/1-B	Method Blank	Dissolved	Water	FILTRATION	
MB 480-417021/1-C	Method Blank	Dissolved	Water	FILTRATION	
LCS 480-417021/2-B	Lab Control Sample	Dissolved	Water	FILTRATION	
LCS 480-417021/2-C	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 480-417021/3-B	Lab Control Sample Dup	Dissolved	Water	FILTRATION	

Prep Batch: 417193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-136629-1	SW-1	Total/NA	Surface Water	3005A	
480-136629-2	SW-2	Total/NA	Surface Water	3005A	
480-136629-3	SW-3	Total/NA	Surface Water	3005A	
MB 480-417193/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-417193/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 417367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-136629-3	SW-3	Dissolved	Surface Water	3005A	417021
MB 480-417021/1-B	Method Blank	Dissolved	Water	3005A	417021
LCS 480-417021/2-B	Lab Control Sample	Dissolved	Water	3005A	417021

Analysis Batch: 417690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-136629-1	SW-1	Total/NA	Surface Water	6010C	417193
480-136629-2	SW-2	Total/NA	Surface Water	6010C	417193
480-136629-3	SW-3	Total/NA	Surface Water	6010C	417193
MB 480-417193/1-A	Method Blank	Total/NA	Water	6010C	417193
LCS 480-417193/2-A	Lab Control Sample	Total/NA	Water	6010C	417193

Prep Batch: 418411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-136629-1	SW-1	Total/NA	Surface Water	7470A	
MB 480-418411/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-418411/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 418412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-136629-2	SW-2	Total/NA	Surface Water	7470A	
480-136629-3	SW-3	Total/NA	Surface Water	7470A	

Metals (Continued)

Prep Batch: 418412 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-418412/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-418412/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 418428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-136629-3	SW-3	Dissolved	Surface Water	6010C	417367
MB 480-417021/1-B	Method Blank	Dissolved	Water	6010C	417367
LCS 480-417021/2-B	Lab Control Sample	Dissolved	Water	6010C	417367

Analysis Batch: 418553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-136629-1	SW-1	Total/NA	Surface Water	7470A	418411
480-136629-2	SW-2	Total/NA	Surface Water	7470A	418412
480-136629-3	SW-3	Total/NA	Surface Water	7470A	418412
MB 480-418411/1-A	Method Blank	Total/NA	Water	7470A	418411
MB 480-418412/1-A	Method Blank	Total/NA	Water	7470A	418412
LCS 480-418411/2-A	Lab Control Sample	Total/NA	Water	7470A	418411
LCS 480-418412/2-A	Lab Control Sample	Total/NA	Water	7470A	418412

Prep Batch: 419481

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-136629-3	SW-3	Dissolved	Surface Water	7470A	417021
MB 480-417021/1-C	Method Blank	Dissolved	Water	7470A	417021
LCS 480-417021/2-C	Lab Control Sample	Dissolved	Water	7470A	417021
LCSD 480-417021/3-B	Lab Control Sample Dup	Dissolved	Water	7470A	417021

Analysis Batch: 419684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-136629-3	SW-3	Dissolved	Surface Water	7470A	419481
MB 480-417021/1-C	Method Blank	Dissolved	Water	7470A	419481
LCS 480-417021/2-C	Lab Control Sample	Dissolved	Water	7470A	419481
LCSD 480-417021/3-B	Lab Control Sample Dup	Dissolved	Water	7470A	419481

General Chemistry

Analysis Batch: 417371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-136629-1	SW-1	Total/NA	Surface Water	SM 2540C	
MB 480-417371/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 480-417371/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 417548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-136629-2	SW-2	Total/NA	Surface Water	SM 2540C	
480-136629-3	SW-3	Total/NA	Surface Water	SM 2540C	
MB 480-417548/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 480-417548/2	Lab Control Sample	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-136629-1

Client Sample ID: SW-1

Lab Sample ID: 480-136629-1

Date Collected: 05/25/18 14:15

Matrix: Surface Water

Date Received: 05/30/18 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	417100	05/30/18 20:51	RLB	TAL BUF
Total/NA	Prep	3005A			417193	05/31/18 09:45	SMF	TAL BUF
Total/NA	Analysis	6010C		1	417690	06/01/18 20:15	AMH	TAL BUF
Total/NA	Prep	7470A			418411	06/07/18 12:50	BMB	TAL BUF
Total/NA	Analysis	7470A		1	418553	06/07/18 18:15	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	417371	05/31/18 18:41	MAB	TAL BUF

Client Sample ID: SW-2

Lab Sample ID: 480-136629-2

Date Collected: 05/25/18 13:45

Matrix: Surface Water

Date Received: 05/30/18 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	417100	05/30/18 21:15	RLB	TAL BUF
Total/NA	Prep	3005A			417193	05/31/18 09:45	SMF	TAL BUF
Total/NA	Analysis	6010C		1	417690	06/01/18 20:18	AMH	TAL BUF
Total/NA	Prep	7470A			418412	06/07/18 12:50	BMB	TAL BUF
Total/NA	Analysis	7470A		1	418553	06/07/18 19:30	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	417548	06/01/18 14:49	MAB	TAL BUF

Client Sample ID: SW-3

Lab Sample ID: 480-136629-3

Date Collected: 05/25/18 13:25

Matrix: Surface Water

Date Received: 05/30/18 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		2	417100	05/30/18 21:39	RLB	TAL BUF
Dissolved	Filtration	FILTRATION			417021	05/30/18 11:21	JAK	TAL BUF
Dissolved	Prep	3005A			417367	06/05/18 09:14	SMF	TAL BUF
Dissolved	Analysis	6010C		1	418428	06/07/18 01:51	LMH	TAL BUF
Total/NA	Prep	3005A			417193	05/31/18 09:45	SMF	TAL BUF
Total/NA	Analysis	6010C		1	417690	06/01/18 20:22	AMH	TAL BUF
Dissolved	Filtration	FILTRATION			417021	05/30/18 11:21	JAK	TAL BUF
Dissolved	Prep	7470A			419481	06/14/18 10:50	BMB	TAL BUF
Dissolved	Analysis	7470A		1	419684	06/14/18 16:48	BMB	TAL BUF
Total/NA	Prep	7470A			418412	06/07/18 12:50	BMB	TAL BUF
Total/NA	Analysis	7470A		1	418553	06/07/18 19:33	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	417548	06/01/18 14:49	MAB	TAL BUF

Lab Chronicle

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-136629-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-136629-4

Date Collected: 05/25/18 00:00

Matrix: Water

Date Received: 05/30/18 01:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	417100	05/30/18 22:03	RLB	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-136629-1

Laboratory: TestAmerica Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-136629-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
FILTRATION	Sample Filtration	None	TAL BUF

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

Sample Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-136629-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-136629-1	SW-1	Surface Water	05/25/18 14:15	05/30/18 01:15
480-136629-2	SW-2	Surface Water	05/25/18 13:45	05/30/18 01:15
480-136629-3	SW-3	Surface Water	05/25/18 13:25	05/30/18 01:15
480-136629-4	TRIP BLANK	Water	05/25/18 00:00	05/30/18 01:15

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

480501-Albany

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information

Client Contact: Michael Moracco
Company: Town of Dewitt
Address: 5400 Butternut Drive
City: East Syracuse
State, Zip: NY, 13057
Phone: 315-446-3428(Tel)
Email: mmoracco@townofdewitt.com
Project Name: Town of Dewitt/ Event Desc: Surfacewater - Quarterly (3,6,9,12)
Site: New York

Sampler: Tim Knollmeyer
Phone: 413-230-8415
Due Date Requested:
TAT Requested (days):
PO #: Purchase Order not required
WO #:
Project #: 48009871
SSOW#:

Lab PM: Johnson, Orlette S
E-Mail: orlette.johnson@testamericainc.com

COC No: 480-59389-14484.1
Page: Page 1 of 1
Job #:

Analysis Reque 480-136629 COC

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C - Priority Pollutant Metals - Filtered	6010C, 7470A	624_6ml - Priority Pollutant List - VOA - 624	2540C_Calcd - Total Dissolved Solids	7470A - Mercury - Filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	D	A	N	N	X	
SW-1	5-25-18	1415	G	Water				X	X	X			
SW-2	5-25-18	1345	G	Water				X	X	X			
SW-3	5-25-18	1325	G	Water			X	X	X	X	X		
Trip Blank			G	Water					X				

DIC
5-25-18

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Tim Knollmeyer	5-25-18 1800	TA Alby	[illegible]	5-30-18 0115	TAB

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 0.8 #1

Ver. 08/04/2016

FIELD OBSERVATIONS

Facility: Dewitt LF

Sample Point ID: SW-1

Field Personnel: TDK

Sample Matrix: SW

SAMPLING INFORMATION:

Date/Time 5-25-18, 1415

Method of Sampling: Bailer Grab

Dedicated: YES

Diameter of Well

Well Depth (from top of PVC)

Water Depth (from top of PVC)

Length of water Column

Puge Volume: LWC x 0.17 x 3=

Volume Purged

Methane Reading

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1415	13.27	7.52	948	12.6	-150.1	2.47

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #:
Turbidity 1.0 Serial #:
Turbidity 10.0 Serial #:

See page 1

pH 4.0 Serial #:
pH 7.0 Serial #:
pH 10.0 Serial #:

Cond Serial #: _____ umhos/cm@25 C

ORP Serial # _____ Mv

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: Sunny 70's

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 5/25/18 By: TDK Company: TA

FIELD OBSERVATIONS

Facility: Dewitt LF **Sample Point ID:** SW-2

Field Personnel: TDK **Sample Matrix:** SW

SAMPLING INFORMATION:

Date/Time 5-25-18 1345

Method of Sampling: **Bailer** Grab **Dedicated:** **YES**

Diameter of Well _____

Well Depth (from top of PVC) _____

Water Depth (from top of PVC) _____

Length of water Column _____

Puge Volume: LWC x 0.17 x 3= _____ **Volume Purged** _____

Methane Reading _____

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1345	15.41	7.00	1542	7.94	-50.3	4.42

INSTRUMENT CHECK DATA:

See Page 1

Turbidity 0.0 Serial #: _____

Turbidity 1.0 Serial #: _____

Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____

pH 7.0 Serial #: _____

pH 10.0 Serial #: _____

Cond Serial #: _____ _____ umhos/cm@25 C

ORP Serial # _____ _____ **Mv**

DO Calibrated to _____ **@** _____.

Weather conditions @ time of sampling: SUNNY 70's

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 5 25 18 **By:** TDK **Company:** TA

FIELD OBSERVATIONS

Facility: Dewitt LF **Sample Point ID:** SW-3

Field Personnel: TDK **Sample Matrix:** SW

SAMPLING INFORMATION:

Date/Time 5-25-18, 1325

Method of Sampling: **Bailer** Grab **Dedicated:** **YES**

Diameter of Well
Well Depth (from top of PVC)
Water Depth (from top of PVC)
Length of water Column
Puge Volume: LWC x 0.17 x 3= **Volume Purged** —

Methane Reading

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
1325	25.52	7.97	778	46.8*	195.6	10.10

INSTRUMENT CHECK DATA: Lamotte 2020 Turbidity meter

Turbidity 0.0 Serial #: C801968 Exp – 6-19
Turbidity 1.0 Serial #: C801306 Exp – 8-19
Turbidity 10.0 Serial #: C693336 Exp – 4-19

pH 4.0 Serial #: 6G 1281 Exp – 9-18
pH 7.0 Serial #: 6G 1910 Exp – 9-18
pH 10.0 Serial #: 6G 1797 Exp – 6-18

Cond Serial #: 76L100 1.413 umhos/cm@25 C Exp 12-18

ORP Serial # 6448 240 **Mv** Exp 7-18

DO Calibrated to 98.8% **@** .

Weather conditions @ time of sampling: Sunny 70's

COMMENTS AND OBSERVATIONS: * Submitting aliquot for Diss metals.

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 5/25/18 **By:** TDK **Company:** TA

Login Sample Receipt Checklist

Client: Town of Dewitt

Job Number: 480-136629-1

Login Number: 136629

List Number: 1

Creator: Williams, Christopher S

List Source: 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	TAL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	False	LAB TO CHECK RC

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ANALYTICAL REPORT

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

TestAmerica Job ID: 480-140813-1
Client Project/Site: Town of Dewitt
Sampling Event: Surfacewater - Quarterly (3,6,9,12)

For:
Town of Manlius
301 Brooklea Drive
Fayetteville, New York 13066

Attn: Douglas Miller

Authorized for release by:
9/11/2018 10:59:32 AM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

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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.

Metals

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.
B	Compound was found in the blank and sample.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
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: 480-140813-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-140813-1

Comments
No additional comments.

Receipt
The samples were received on 8/24/2018 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.1º C.

GC/MS VOA
Method(s) 624: The preservative used in the sample containers provided is not compatible with the Method 624 analytes requested. The following samples were received preserved with hydrochloric acid: SW-1 (480-140813-1), SW-2 (480-140813-2), SW-3 (480-140813-3) and TRIP BLANK (480-140813-4). The requested target analyte list contains 2-Chloroethyl vinyl ether and/or Acrolein, which are acid-labile compounds that degrade in an acidic medium.

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

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

General Chemistry
Method(s) SM 2540C: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: SW-1 (480-140813-1) and SW-2 (480-140813-2). The reporting limits (RLs) have been adjusted proportionately.

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

Detection Summary

Client: Town of Manlius
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-140813-1

Client Sample ID: SW-1 — Lab Sample ID: 480-140813-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	1.0	J	5.0	0.48	ug/L	1		624	Total/NA
Chloroethane	1.6	J	5.0	0.87	ug/L	1		624	Total/NA
Nickel	0.0014	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Zinc	0.027		0.010	0.0015	mg/L	1		6010C	Total/NA
Total Dissolved Solids	1390		20.0	8.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: SW-2 — Lab Sample ID: 480-140813-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	5.4		5.0	0.75	ug/L	1		624	Total/NA
Arsenic	0.0081	J	0.015	0.0056	mg/L	1		6010C	Total/NA
Beryllium	0.00034	J	0.0020	0.00030	mg/L	1		6010C	Total/NA
Chromium	0.0065		0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0027	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Lead	0.0056	J	0.010	0.0030	mg/L	1		6010C	Total/NA
Nickel	0.018		0.010	0.0013	mg/L	1		6010C	Total/NA
Zinc	0.082		0.010	0.0015	mg/L	1		6010C	Total/NA
Nickel	0.011		0.010	0.0013	mg/L	1		6010C	Dissolved
Zinc	0.025	B	0.010	0.0015	mg/L	1		6010C	Dissolved
Total Dissolved Solids	1390		20.0	8.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: SW-3 — Lab Sample ID: 480-140813-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	0.0021	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Zinc	0.086		0.010	0.0015	mg/L	1		6010C	Total/NA
Total Dissolved Solids	539		10.0	4.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 480-140813-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Town of Manlius
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-140813-1

Client Sample ID: SW-1

Date Collected: 08/23/18 07:45
Date Received: 08/24/18 01:00

Lab Sample ID: 480-140813-1

Matrix: Surface Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			08/24/18 13:35	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			08/24/18 13:35	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			08/24/18 13:35	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			08/24/18 13:35	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			08/24/18 13:35	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			08/24/18 13:35	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			08/24/18 13:35	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			08/24/18 13:35	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			08/24/18 13:35	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			08/24/18 13:35	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			08/24/18 13:35	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			08/24/18 13:35	1
Acrolein	ND		100	17	ug/L			08/24/18 13:35	1
Acrylonitrile	ND		50	1.9	ug/L			08/24/18 13:35	1
Benzene	ND		5.0	0.60	ug/L			08/24/18 13:35	1
Bromoform	ND		5.0	0.47	ug/L			08/24/18 13:35	1
Bromomethane	ND		5.0	1.2	ug/L			08/24/18 13:35	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			08/24/18 13:35	1
Chlorobenzene	**1.0**	**J**	5.0	0.48	ug/L			08/24/18 13:35	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			08/24/18 13:35	1
Chloroethane	**1.6**	**J**	5.0	0.87	ug/L			08/24/18 13:35	1
Chloroform	ND		5.0	0.54	ug/L			08/24/18 13:35	1
Chloromethane	ND		5.0	0.64	ug/L			08/24/18 13:35	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			08/24/18 13:35	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			08/24/18 13:35	1
Ethylbenzene	ND		5.0	0.46	ug/L			08/24/18 13:35	1
Methylene Chloride	ND		5.0	0.81	ug/L			08/24/18 13:35	1
Tetrachloroethene	ND		5.0	0.34	ug/L			08/24/18 13:35	1
Toluene	ND		5.0	0.45	ug/L			08/24/18 13:35	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			08/24/18 13:35	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			08/24/18 13:35	1
Trichloroethene	ND		5.0	0.60	ug/L			08/24/18 13:35	1
Vinyl chloride	ND		5.0	0.75	ug/L			08/24/18 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 130*		*08/24/18 13:35*	*1*
4-Bromofluorobenzene (Surr)	*102*		*76 - 123*		*08/24/18 13:35*	*1*
Toluene-d8 (Surr)	*94*		*77 - 120*		*08/24/18 13:35*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		08/28/18 08:54	08/28/18 18:07	1
Arsenic	ND		0.015	0.0056	mg/L		08/28/18 08:54	08/28/18 18:07	1
Beryllium	ND		0.0020	0.00030	mg/L		08/28/18 08:54	08/28/18 18:07	1
Cadmium	ND		0.0020	0.00050	mg/L		08/28/18 08:54	08/28/18 18:07	1
Chromium	ND		0.0040	0.0010	mg/L		08/28/18 08:54	08/28/18 18:07	1
Copper	ND		0.010	0.0016	mg/L		08/28/18 08:54	08/28/18 18:07	1
Lead	ND		0.010	0.0030	mg/L		08/28/18 08:54	08/28/18 18:07	1
Nickel	**0.0014**	**J**	0.010	0.0013	mg/L		08/28/18 08:54	08/28/18 18:07	1
Selenium	ND		0.025	0.0087	mg/L		08/28/18 08:54	08/28/18 18:07	1

Client Sample Results

Client: Town of Manlius
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-140813-1

Client Sample ID: SW-1

Date Collected: 08/23/18 07:45
Date Received: 08/24/18 01:00

Lab Sample ID: 480-140813-1

Matrix: Surface Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		08/28/18 08:54	08/28/18 18:07	1
Thallium	ND		0.020	0.010	mg/L		08/28/18 08:54	08/28/18 18:07	1
Zinc	**0.027**		0.010	0.0015	mg/L		08/28/18 08:54	08/28/18 18:07	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/07/18 12:45	09/07/18 17:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1390**		20.0	8.0	mg/L			08/27/18 09:30	1

Client Sample Results

Client: Town of Manlius
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-140813-1

Client Sample ID: SW-2

Date Collected: 08/23/18 07:30
Date Received: 08/24/18 01:00

Lab Sample ID: 480-140813-2

Matrix: Surface Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			08/24/18 13:59	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			08/24/18 13:59	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			08/24/18 13:59	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			08/24/18 13:59	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			08/24/18 13:59	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			08/24/18 13:59	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			08/24/18 13:59	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			08/24/18 13:59	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			08/24/18 13:59	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			08/24/18 13:59	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			08/24/18 13:59	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			08/24/18 13:59	1
Acrolein	ND		100	17	ug/L			08/24/18 13:59	1
Acrylonitrile	ND		50	1.9	ug/L			08/24/18 13:59	1
Benzene	ND		5.0	0.60	ug/L			08/24/18 13:59	1
Bromoform	ND		5.0	0.47	ug/L			08/24/18 13:59	1
Bromomethane	ND		5.0	1.2	ug/L			08/24/18 13:59	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			08/24/18 13:59	1
Chlorobenzene	ND		5.0	0.48	ug/L			08/24/18 13:59	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			08/24/18 13:59	1
Chloroethane	ND		5.0	0.87	ug/L			08/24/18 13:59	1
Chloroform	ND		5.0	0.54	ug/L			08/24/18 13:59	1
Chloromethane	ND		5.0	0.64	ug/L			08/24/18 13:59	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			08/24/18 13:59	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			08/24/18 13:59	1
Ethylbenzene	ND		5.0	0.46	ug/L			08/24/18 13:59	1
Methylene Chloride	ND		5.0	0.81	ug/L			08/24/18 13:59	1
Tetrachloroethene	ND		5.0	0.34	ug/L			08/24/18 13:59	1
Toluene	ND		5.0	0.45	ug/L			08/24/18 13:59	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			08/24/18 13:59	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			08/24/18 13:59	1
Trichloroethene	ND		5.0	0.60	ug/L			08/24/18 13:59	1
Vinyl chloride	**5.4**		5.0	0.75	ug/L			08/24/18 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 130*		*08/24/18 13:59*	*1*
4-Bromofluorobenzene (Surr)	*103*		*76 - 123*		*08/24/18 13:59*	*1*
Toluene-d8 (Surr)	*95*		*77 - 120*		*08/24/18 13:59*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		08/28/18 08:54	08/28/18 18:11	1
Arsenic	**0.0081**	**J**	0.015	0.0056	mg/L		08/28/18 08:54	08/28/18 18:11	1
Beryllium	**0.00034**	**J**	0.0020	0.00030	mg/L		08/28/18 08:54	08/28/18 18:11	1
Cadmium	ND		0.0020	0.00050	mg/L		08/28/18 08:54	08/28/18 18:11	1
Chromium	**0.0065**		0.0040	0.0010	mg/L		08/28/18 08:54	08/28/18 18:11	1
Copper	**0.0027**	**J**	0.010	0.0016	mg/L		08/28/18 08:54	08/28/18 18:11	1
Lead	**0.0056**	**J**	0.010	0.0030	mg/L		08/28/18 08:54	08/28/18 18:11	1
Nickel	**0.018**		0.010	0.0013	mg/L		08/28/18 08:54	08/28/18 18:11	1
Selenium	ND		0.025	0.0087	mg/L		08/28/18 08:54	08/28/18 18:11	1

Client Sample Results

Client: Town of Manlius
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-140813-1

Client Sample ID: SW-2

Date Collected: 08/23/18 07:30
Date Received: 08/24/18 01:00

Lab Sample ID: 480-140813-2

Matrix: Surface Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		08/28/18 08:54	08/28/18 18:11	1
Thallium	ND		0.020	0.010	mg/L		08/28/18 08:54	08/28/18 18:11	1
Zinc	**0.082**		0.010	0.0015	mg/L		08/28/18 08:54	08/28/18 18:11	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		09/06/18 11:50	09/06/18 17:29	1
Arsenic	ND		0.015	0.0056	mg/L		09/06/18 11:50	09/06/18 17:29	1
Beryllium	ND		0.0020	0.00030	mg/L		09/06/18 11:50	09/06/18 17:29	1
Cadmium	ND		0.0020	0.00050	mg/L		09/06/18 11:50	09/06/18 17:29	1
Chromium	ND		0.0040	0.0010	mg/L		09/06/18 11:50	09/06/18 17:29	1
Copper	ND		0.010	0.0016	mg/L		09/06/18 11:50	09/06/18 17:29	1
Lead	ND		0.010	0.0030	mg/L		09/06/18 11:50	09/06/18 17:29	1
Nickel	**0.011**		0.010	0.0013	mg/L		09/06/18 11:50	09/06/18 17:29	1
Selenium	ND		0.025	0.0087	mg/L		09/06/18 11:50	09/06/18 17:29	1
Silver	ND		0.0060	0.0017	mg/L		09/06/18 11:50	09/06/18 17:29	1
Thallium	ND		0.020	0.010	mg/L		09/06/18 11:50	09/06/18 17:29	1
Zinc	**0.025**	**B**	0.010	0.0015	mg/L		09/06/18 11:50	09/06/18 17:29	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/07/18 12:45	09/07/18 17:03	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/10/18 15:30	09/10/18 19:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1390**		20.0	8.0	mg/L			08/27/18 09:30	1

Client Sample Results

Client: Town of Manlius
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-140813-1

Client Sample ID: SW-3

Date Collected: 08/23/18 08:15
Date Received: 08/24/18 01:00

Lab Sample ID: 480-140813-3

Matrix: Surface Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			08/24/18 14:23	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			08/24/18 14:23	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			08/24/18 14:23	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			08/24/18 14:23	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			08/24/18 14:23	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			08/24/18 14:23	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			08/24/18 14:23	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			08/24/18 14:23	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			08/24/18 14:23	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			08/24/18 14:23	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			08/24/18 14:23	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			08/24/18 14:23	1
Acrolein	ND		100	17	ug/L			08/24/18 14:23	1
Acrylonitrile	ND		50	1.9	ug/L			08/24/18 14:23	1
Benzene	ND		5.0	0.60	ug/L			08/24/18 14:23	1
Bromoform	ND		5.0	0.47	ug/L			08/24/18 14:23	1
Bromomethane	ND		5.0	1.2	ug/L			08/24/18 14:23	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			08/24/18 14:23	1
Chlorobenzene	ND		5.0	0.48	ug/L			08/24/18 14:23	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			08/24/18 14:23	1
Chloroethane	ND		5.0	0.87	ug/L			08/24/18 14:23	1
Chloroform	ND		5.0	0.54	ug/L			08/24/18 14:23	1
Chloromethane	ND		5.0	0.64	ug/L			08/24/18 14:23	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			08/24/18 14:23	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			08/24/18 14:23	1
Ethylbenzene	ND		5.0	0.46	ug/L			08/24/18 14:23	1
Methylene Chloride	ND		5.0	0.81	ug/L			08/24/18 14:23	1
Tetrachloroethene	ND		5.0	0.34	ug/L			08/24/18 14:23	1
Toluene	ND		5.0	0.45	ug/L			08/24/18 14:23	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			08/24/18 14:23	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			08/24/18 14:23	1
Trichloroethene	ND		5.0	0.60	ug/L			08/24/18 14:23	1
Vinyl chloride	ND		5.0	0.75	ug/L			08/24/18 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*68 - 130*		*08/24/18 14:23*	*1*
4-Bromofluorobenzene (Surr)	*104*		*76 - 123*		*08/24/18 14:23*	*1*
Toluene-d8 (Surr)	*95*		*77 - 120*		*08/24/18 14:23*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		08/28/18 08:54	08/28/18 18:26	1
Arsenic	ND		0.015	0.0056	mg/L		08/28/18 08:54	08/28/18 18:26	1
Beryllium	ND		0.0020	0.00030	mg/L		08/28/18 08:54	08/28/18 18:26	1
Cadmium	ND		0.0020	0.00050	mg/L		08/28/18 08:54	08/28/18 18:26	1
Chromium	ND		0.0040	0.0010	mg/L		08/28/18 08:54	08/28/18 18:26	1
Copper	ND		0.010	0.0016	mg/L		08/28/18 08:54	08/28/18 18:26	1
Lead	ND		0.010	0.0030	mg/L		08/28/18 08:54	08/28/18 18:26	1
Nickel	**0.0021**	**J**	0.010	0.0013	mg/L		08/28/18 08:54	08/28/18 18:26	1
Selenium	ND		0.025	0.0087	mg/L		08/28/18 08:54	08/28/18 18:26	1

Client Sample Results

Client: Town of Manlius
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-140813-1

Client Sample ID: SW-3

Lab Sample ID: 480-140813-3

Date Collected: 08/23/18 08:15

Matrix: Surface Water

Date Received: 08/24/18 01:00

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		08/28/18 08:54	08/28/18 18:26	1
Thallium	ND		0.020	0.010	mg/L		08/28/18 08:54	08/28/18 18:26	1
Zinc	**0.086**		0.010	0.0015	mg/L		08/28/18 08:54	08/28/18 18:26	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/07/18 12:45	09/07/18 17:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**539**		10.0	4.0	mg/L			08/27/18 09:30	1

Client Sample Results

Client: Town of Manlius
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-140813-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-140813-4

Date Collected: 08/23/18 00:00
Matrix: Water
Date Received: 08/24/18 01:00

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			08/24/18 14:47	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			08/24/18 14:47	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			08/24/18 14:47	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			08/24/18 14:47	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			08/24/18 14:47	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			08/24/18 14:47	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			08/24/18 14:47	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			08/24/18 14:47	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			08/24/18 14:47	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			08/24/18 14:47	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			08/24/18 14:47	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			08/24/18 14:47	1
Acrolein	ND		100	17	ug/L			08/24/18 14:47	1
Acrylonitrile	ND		50	1.9	ug/L			08/24/18 14:47	1
Benzene	ND		5.0	0.60	ug/L			08/24/18 14:47	1
Bromoform	ND		5.0	0.47	ug/L			08/24/18 14:47	1
Bromomethane	ND		5.0	1.2	ug/L			08/24/18 14:47	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			08/24/18 14:47	1
Chlorobenzene	ND		5.0	0.48	ug/L			08/24/18 14:47	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			08/24/18 14:47	1
Chloroethane	ND		5.0	0.87	ug/L			08/24/18 14:47	1
Chloroform	ND		5.0	0.54	ug/L			08/24/18 14:47	1
Chloromethane	ND		5.0	0.64	ug/L			08/24/18 14:47	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			08/24/18 14:47	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			08/24/18 14:47	1
Ethylbenzene	ND		5.0	0.46	ug/L			08/24/18 14:47	1
Methylene Chloride	ND		5.0	0.81	ug/L			08/24/18 14:47	1
Tetrachloroethene	ND		5.0	0.34	ug/L			08/24/18 14:47	1
Toluene	ND		5.0	0.45	ug/L			08/24/18 14:47	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			08/24/18 14:47	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			08/24/18 14:47	1
Trichloroethene	ND		5.0	0.60	ug/L			08/24/18 14:47	1
Vinyl chloride	ND		5.0	0.75	ug/L			08/24/18 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*68 - 130*		*08/24/18 14:47*	*1*
4-Bromofluorobenzene (Surr)	*103*		*76 - 123*		*08/24/18 14:47*	*1*
Toluene-d8 (Surr)	*94*		*77 - 120*		*08/24/18 14:47*	*1*

Surrogate Summary

Client: Town of Manlius
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-140813-1

Method: 624 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(77-120)
480-140813-1	SW-1	101	102	94
480-140813-2	SW-2	101	103	95
480-140813-3	SW-3	99	104	95

Surrogate Legend

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

Method: 624 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(77-120)
480-140813-4	TRIP BLANK	103	103	94
LCS 480-431268/5	Lab Control Sample	96	106	97
MB 480-431268/7	Method Blank	103	104	95

Surrogate Legend

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

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-431268/7
Matrix: Water
Analysis Batch: 431268

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		5.0	0.39	ug/L			08/24/18 10:51	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			08/24/18 10:51	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			08/24/18 10:51	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			08/24/18 10:51	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			08/24/18 10:51	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			08/24/18 10:51	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			08/24/18 10:51	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			08/24/18 10:51	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			08/24/18 10:51	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			08/24/18 10:51	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			08/24/18 10:51	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			08/24/18 10:51	1
Acrolein	ND		100	17	ug/L			08/24/18 10:51	1
Acrylonitrile	ND		50	1.9	ug/L			08/24/18 10:51	1
Benzene	ND		5.0	0.60	ug/L			08/24/18 10:51	1
Bromoform	ND		5.0	0.47	ug/L			08/24/18 10:51	1
Bromomethane	ND		5.0	1.2	ug/L			08/24/18 10:51	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			08/24/18 10:51	1
Chlorobenzene	ND		5.0	0.48	ug/L			08/24/18 10:51	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			08/24/18 10:51	1
Chloroethane	ND		5.0	0.87	ug/L			08/24/18 10:51	1
Chloroform	ND		5.0	0.54	ug/L			08/24/18 10:51	1
Chloromethane	ND		5.0	0.64	ug/L			08/24/18 10:51	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			08/24/18 10:51	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			08/24/18 10:51	1
Ethylbenzene	ND		5.0	0.46	ug/L			08/24/18 10:51	1
Methylene Chloride	ND		5.0	0.81	ug/L			08/24/18 10:51	1
Tetrachloroethene	ND		5.0	0.34	ug/L			08/24/18 10:51	1
Toluene	ND		5.0	0.45	ug/L			08/24/18 10:51	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			08/24/18 10:51	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			08/24/18 10:51	1
Trichloroethene	ND		5.0	0.60	ug/L			08/24/18 10:51	1
Vinyl chloride	ND		5.0	0.75	ug/L			08/24/18 10:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*68 - 130*		*08/24/18 10:51*	*1*
4-Bromofluorobenzene (Surr)	*104*		*76 - 123*		*08/24/18 10:51*	*1*
Toluene-d8 (Surr)	*95*		*77 - 120*		*08/24/18 10:51*	*1*

Lab Sample ID: LCS 480-431268/5
Matrix: Water
Analysis Batch: 431268

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	20.0	19.1		ug/L		95	52 - 162
1,1,2,2-Tetrachloroethane	20.0	19.5		ug/L		97	46 - 157
1,1,2-Trichloroethane	20.0	18.9		ug/L		94	52 - 150
1,1-Dichloroethane	20.0	18.9		ug/L		94	59 - 155

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-431268/5
Matrix: Water
Analysis Batch: 431268

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	20.0	17.7		ug/L		88	1 - 234
1,2-Dichlorobenzene	20.0	18.8		ug/L		94	18 - 190
1,2-Dichloroethane	20.0	20.5		ug/L		102	49 - 155
1,2-Dichloropropane	20.0	19.1		ug/L		96	1 - 210
1,3-Dichlorobenzene	20.0	18.7		ug/L		93	59 - 156
1,4-Dichlorobenzene	20.0	18.3		ug/L		91	18 - 190
2-Chloroethyl vinyl ether	20.0	19.1	J	ug/L		96	1 - 305
Benzene	20.0	19.0		ug/L		95	37 - 151
Bromoform	20.0	18.1		ug/L		90	45 - 169
Bromomethane	20.0	19.4		ug/L		97	1 - 242
Carbon tetrachloride	20.0	18.6		ug/L		93	70 - 140
Chlorobenzene	20.0	18.7		ug/L		94	37 - 160
Chlorodibromomethane	20.0	18.7		ug/L		94	53 - 149
Chloroethane	20.0	20.7		ug/L		104	14 - 230
Chloroform	20.0	19.5		ug/L		97	51 - 138
Chloromethane	20.0	19.4		ug/L		97	1 - 273
cis-1,3-Dichloropropene	20.0	19.2		ug/L		96	1 - 227
Dichlorobromomethane	20.0	19.3		ug/L		97	35 - 155
Ethylbenzene	20.0	18.4		ug/L		92	37 - 162
Methylene Chloride	20.0	18.8		ug/L		94	1 - 221
Tetrachloroethene	20.0	18.2		ug/L		91	64 - 148
Toluene	20.0	18.4		ug/L		92	47 - 150
trans-1,2-Dichloroethene	20.0	19.0		ug/L		95	54 - 156
trans-1,3-Dichloropropene	20.0	19.0		ug/L		95	17 - 183
Trichloroethene	20.0	18.7		ug/L		93	71 - 157
Vinyl chloride	20.0	19.5		ug/L		98	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*68 - 130*
4-Bromofluorobenzene (Surr)	*106*		*76 - 123*
Toluene-d8 (Surr)	*97*		*77 - 120*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-431610/1-A
Matrix: Water
Analysis Batch: 431927

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431610

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		08/28/18 08:54	08/28/18 16:58	1
Arsenic	ND		0.015	0.0056	mg/L		08/28/18 08:54	08/28/18 16:58	1
Beryllium	ND		0.0020	0.00030	mg/L		08/28/18 08:54	08/28/18 16:58	1
Cadmium	ND		0.0020	0.00050	mg/L		08/28/18 08:54	08/28/18 16:58	1
Chromium	ND		0.0040	0.0010	mg/L		08/28/18 08:54	08/28/18 16:58	1
Copper	ND		0.010	0.0016	mg/L		08/28/18 08:54	08/28/18 16:58	1
Lead	ND		0.010	0.0030	mg/L		08/28/18 08:54	08/28/18 16:58	1
Nickel	ND		0.010	0.0013	mg/L		08/28/18 08:54	08/28/18 16:58	1
Selenium	ND		0.025	0.0087	mg/L		08/28/18 08:54	08/28/18 16:58	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-431610/1-A
Matrix: Water
Analysis Batch: 431927

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 431610

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		08/28/18 08:54	08/28/18 16:58	1
Thallium	ND		0.020	0.010	mg/L		08/28/18 08:54	08/28/18 16:58	1
Zinc	ND		0.010	0.0015	mg/L		08/28/18 08:54	08/28/18 16:58	1

Lab Sample ID: LCS 480-431610/2-A
Matrix: Water
Analysis Batch: 431927

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 431610

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.200	0.199		mg/L		99	80 - 120
Arsenic	0.200	0.199		mg/L		100	80 - 120
Beryllium	0.200	0.204		mg/L		102	80 - 120
Cadmium	0.200	0.194		mg/L		97	80 - 120
Chromium	0.200	0.200		mg/L		100	80 - 120
Copper	0.200	0.191		mg/L		95	80 - 120
Lead	0.200	0.202		mg/L		101	80 - 120
Nickel	0.200	0.208		mg/L		104	80 - 120
Selenium	0.200	0.193		mg/L		96	80 - 120
Silver	0.0500	0.0504		mg/L		101	80 - 120
Thallium	0.200	0.197		mg/L		99	80 - 120
Zinc	0.200	0.207		mg/L		103	80 - 120

Lab Sample ID: MB 480-432835/1-B
Matrix: Water
Analysis Batch: 433197

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 433097

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		09/06/18 11:50	09/06/18 17:22	1
Arsenic	ND		0.015	0.0056	mg/L		09/06/18 11:50	09/06/18 17:22	1
Beryllium	ND		0.0020	0.00030	mg/L		09/06/18 11:50	09/06/18 17:22	1
Cadmium	ND		0.0020	0.00050	mg/L		09/06/18 11:50	09/06/18 17:22	1
Chromium	ND		0.0040	0.0010	mg/L		09/06/18 11:50	09/06/18 17:22	1
Copper	ND		0.010	0.0016	mg/L		09/06/18 11:50	09/06/18 17:22	1
Lead	ND		0.010	0.0030	mg/L		09/06/18 11:50	09/06/18 17:22	1
Nickel	ND		0.010	0.0013	mg/L		09/06/18 11:50	09/06/18 17:22	1
Selenium	ND		0.025	0.0087	mg/L		09/06/18 11:50	09/06/18 17:22	1
Silver	ND		0.0060	0.0017	mg/L		09/06/18 11:50	09/06/18 17:22	1
Thallium	ND		0.020	0.010	mg/L		09/06/18 11:50	09/06/18 17:22	1
Zinc	0.00446	J	0.010	0.0015	mg/L		09/06/18 11:50	09/06/18 17:22	1

Lab Sample ID: LCS 480-432835/2-B
Matrix: Water
Analysis Batch: 433197

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 433097

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.200	0.188		mg/L		94	80 - 120
Arsenic	0.200	0.192		mg/L		96	80 - 120
Beryllium	0.200	0.199		mg/L		99	80 - 120
Cadmium	0.200	0.187		mg/L		93	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-432835/2-B — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 433197 — **Prep Batch: 433097**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.200	0.199		mg/L		100	80 - 120
Copper	0.200	0.185		mg/L		93	80 - 120
Lead	0.200	0.198		mg/L		99	80 - 120
Nickel	0.200	0.200		mg/L		100	80 - 120
Selenium	0.200	0.184		mg/L		92	80 - 120
Silver	0.0500	0.0480		mg/L		96	80 - 120
Thallium	0.200	0.189		mg/L		95	80 - 120
Zinc	0.200	0.208		mg/L		104	80 - 120

Lab Sample ID: 480-140813-2 MS — **Client Sample ID: SW-2**
Matrix: Surface Water — **Prep Type: Dissolved**
Analysis Batch: 433197 — **Prep Batch: 433097**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	ND		0.200	0.198		mg/L		99	75 - 125
Arsenic	ND		0.200	0.202		mg/L		101	75 - 125
Beryllium	ND		0.200	0.202		mg/L		101	75 - 125
Cadmium	ND		0.200	0.197		mg/L		99	75 - 125
Chromium	ND		0.200	0.199		mg/L		100	75 - 125
Copper	ND		0.200	0.195		mg/L		98	75 - 125
Lead	ND		0.200	0.205		mg/L		102	75 - 125
Nickel	0.011		0.200	0.218		mg/L		103	75 - 125
Selenium	ND		0.200	0.193		mg/L		97	75 - 125
Silver	ND		0.0500	0.0507		mg/L		101	75 - 125
Thallium	ND		0.200	0.197		mg/L		98	75 - 125
Zinc	0.025	B	0.200	0.227		mg/L		101	75 - 125

Lab Sample ID: 480-140813-2 MSD — **Client Sample ID: SW-2**
Matrix: Surface Water — **Prep Type: Dissolved**
Analysis Batch: 433197 — **Prep Batch: 433097**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	ND		0.200	0.200		mg/L		100	75 - 125	1	20
Arsenic	ND		0.200	0.205		mg/L		102	75 - 125	1	20
Beryllium	ND		0.200	0.205		mg/L		103	75 - 125	1	20
Cadmium	ND		0.200	0.199		mg/L		100	75 - 125	1	20
Chromium	ND		0.200	0.203		mg/L		101	75 - 125	2	20
Copper	ND		0.200	0.198		mg/L		99	75 - 125	1	20
Lead	ND		0.200	0.207		mg/L		103	75 - 125	1	20
Nickel	0.011		0.200	0.220		mg/L		104	75 - 125	1	20
Selenium	ND		0.200	0.195		mg/L		97	75 - 125	1	20
Silver	ND		0.0500	0.0506		mg/L		101	75 - 125	0	20
Thallium	ND		0.200	0.198		mg/L		99	75 - 125	1	20
Zinc	0.025	B	0.200	0.230		mg/L		102	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-433316/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 433555 — **Prep Batch: 433316**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		09/07/18 12:45	09/07/18 16:13	1

Lab Sample ID: LCS 480-433316/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 433555 — **Prep Batch: 433316**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00612		mg/L		92	80 - 120

Lab Sample ID: MB 480-431970/1-F — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 433759 — **Prep Batch: 433626**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000127	J	0.00020	0.00012	mg/L		09/10/18 15:30	09/10/18 19:36	1

Lab Sample ID: LCS 480-431970/2-F — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 433759 — **Prep Batch: 433626**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00705		mg/L		106	80 - 120

Lab Sample ID: LCSD 480-431970/3-C — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 433759 — **Prep Batch: 433626**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.00667	0.00708		mg/L		106	80 - 120	0	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 480-431557/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 431557

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			08/27/18 09:30	1

Lab Sample ID: LCS 480-431557/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 431557

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	502	521.0		mg/L		104	85 - 115

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: 480-140813-3 DU
Matrix: Surface Water
Analysis Batch: 431557

Client Sample ID: SW-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	539			538.0		mg/L				0.2	10

QC Association Summary

Client: Town of Manlius
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-140813-1

GC/MS VOA

Analysis Batch: 431268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-140813-1	SW-1	Total/NA	Surface Water	624	
480-140813-2	SW-2	Total/NA	Surface Water	624	
480-140813-3	SW-3	Total/NA	Surface Water	624	
480-140813-4	TRIP BLANK	Total/NA	Water	624	
MB 480-431268/7	Method Blank	Total/NA	Water	624	
LCS 480-431268/5	Lab Control Sample	Total/NA	Water	624	

Metals

Prep Batch: 431610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-140813-1	SW-1	Total/NA	Surface Water	3005A	
480-140813-2	SW-2	Total/NA	Surface Water	3005A	
480-140813-3	SW-3	Total/NA	Surface Water	3005A	
MB 480-431610/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-431610/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 431927

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-140813-1	SW-1	Total/NA	Surface Water	6010C	431610
480-140813-2	SW-2	Total/NA	Surface Water	6010C	431610
480-140813-3	SW-3	Total/NA	Surface Water	6010C	431610
MB 480-431610/1-A	Method Blank	Total/NA	Water	6010C	431610
LCS 480-431610/2-A	Lab Control Sample	Total/NA	Water	6010C	431610

Filtration Batch: 431970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-140813-2	SW-2	Dissolved	Surface Water	FILTRATION	
MB 480-431970/1-F	Method Blank	Dissolved	Water	FILTRATION	
LCS 480-431970/2-F	Lab Control Sample	Dissolved	Water	FILTRATION	
LCSD 480-431970/3-C	Lab Control Sample Dup	Dissolved	Water	FILTRATION	

Filtration Batch: 432835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-140813-2	SW-2	Dissolved	Surface Water	FILTRATION	
MB 480-432835/1-B	Method Blank	Dissolved	Water	FILTRATION	
LCS 480-432835/2-B	Lab Control Sample	Dissolved	Water	FILTRATION	
480-140813-2 MS	SW-2	Dissolved	Surface Water	FILTRATION	
480-140813-2 MSD	SW-2	Dissolved	Surface Water	FILTRATION	

Prep Batch: 433097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-140813-2	SW-2	Dissolved	Surface Water	3005A	432835
MB 480-432835/1-B	Method Blank	Dissolved	Water	3005A	432835
LCS 480-432835/2-B	Lab Control Sample	Dissolved	Water	3005A	432835
480-140813-2 MS	SW-2	Dissolved	Surface Water	3005A	432835
480-140813-2 MSD	SW-2	Dissolved	Surface Water	3005A	432835

Metals (Continued)

Analysis Batch: 433197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-140813-2	SW-2	Dissolved	Surface Water	6010C	433097
MB 480-432835/1-B	Method Blank	Dissolved	Water	6010C	433097
LCS 480-432835/2-B	Lab Control Sample	Dissolved	Water	6010C	433097
480-140813-2 MS	SW-2	Dissolved	Surface Water	6010C	433097
480-140813-2 MSD	SW-2	Dissolved	Surface Water	6010C	433097

Prep Batch: 433316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-140813-1	SW-1	Total/NA	Surface Water	7470A	
480-140813-2	SW-2	Total/NA	Surface Water	7470A	
480-140813-3	SW-3	Total/NA	Surface Water	7470A	
MB 480-433316/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-433316/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 433555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-140813-1	SW-1	Total/NA	Surface Water	7470A	433316
480-140813-2	SW-2	Total/NA	Surface Water	7470A	433316
480-140813-3	SW-3	Total/NA	Surface Water	7470A	433316
MB 480-433316/1-A	Method Blank	Total/NA	Water	7470A	433316
LCS 480-433316/2-A	Lab Control Sample	Total/NA	Water	7470A	433316

Prep Batch: 433626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-140813-2	SW-2	Dissolved	Surface Water	7470A	431970
MB 480-431970/1-F	Method Blank	Dissolved	Water	7470A	431970
LCS 480-431970/2-F	Lab Control Sample	Dissolved	Water	7470A	431970
LCSD 480-431970/3-C	Lab Control Sample Dup	Dissolved	Water	7470A	431970

Analysis Batch: 433759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-140813-2	SW-2	Dissolved	Surface Water	7470A	433626
MB 480-431970/1-F	Method Blank	Dissolved	Water	7470A	433626
LCS 480-431970/2-F	Lab Control Sample	Dissolved	Water	7470A	433626
LCSD 480-431970/3-C	Lab Control Sample Dup	Dissolved	Water	7470A	433626

General Chemistry

Analysis Batch: 431557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-140813-1	SW-1	Total/NA	Surface Water	SM 2540C	
480-140813-2	SW-2	Total/NA	Surface Water	SM 2540C	
480-140813-3	SW-3	Total/NA	Surface Water	SM 2540C	
MB 480-431557/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 480-431557/2	Lab Control Sample	Total/NA	Water	SM 2540C	
480-140813-3 DU	SW-3	Total/NA	Surface Water	SM 2540C	

Lab Chronicle

Client: Town of Manlius
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-140813-1

Client Sample ID: SW-1

Lab Sample ID: 480-140813-1

Date Collected: 08/23/18 07:45

Matrix: Surface Water

Date Received: 08/24/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	431268	08/24/18 13:35	S1V	TAL BUF
Total/NA	Prep	3005A			431610	08/28/18 08:54	KMP	TAL BUF
Total/NA	Analysis	6010C		1	431927	08/28/18 18:07	EMB	TAL BUF
Total/NA	Prep	7470A			433316	09/07/18 12:45	VEG	TAL BUF
Total/NA	Analysis	7470A		1	433555	09/07/18 17:01	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	431557	08/27/18 09:30	KEK	TAL BUF

Client Sample ID: SW-2

Lab Sample ID: 480-140813-2

Date Collected: 08/23/18 07:30

Matrix: Surface Water

Date Received: 08/24/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	431268	08/24/18 13:59	S1V	TAL BUF
Dissolved	Filtration	FILTRATION			432835	09/05/18 09:21	VEG	TAL BUF
Dissolved	Prep	3005A			433097	09/06/18 11:50	VEG	TAL BUF
Dissolved	Analysis	6010C		1	433197	09/06/18 17:29	LMH	TAL BUF
Total/NA	Prep	3005A			431610	08/28/18 08:54	KMP	TAL BUF
Total/NA	Analysis	6010C		1	431927	08/28/18 18:11	EMB	TAL BUF
Dissolved	Filtration	FILTRATION			431970	08/29/18 11:08	KMP	TAL BUF
Dissolved	Prep	7470A			433626	09/10/18 15:30	BMB	TAL BUF
Dissolved	Analysis	7470A		1	433759	09/10/18 19:41	BMB	TAL BUF
Total/NA	Prep	7470A			433316	09/07/18 12:45	VEG	TAL BUF
Total/NA	Analysis	7470A		1	433555	09/07/18 17:03	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	431557	08/27/18 09:30	KEK	TAL BUF

Client Sample ID: SW-3

Lab Sample ID: 480-140813-3

Date Collected: 08/23/18 08:15

Matrix: Surface Water

Date Received: 08/24/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	431268	08/24/18 14:23	S1V	TAL BUF
Total/NA	Prep	3005A			431610	08/28/18 08:54	KMP	TAL BUF
Total/NA	Analysis	6010C		1	431927	08/28/18 18:26	EMB	TAL BUF
Total/NA	Prep	7470A			433316	09/07/18 12:45	VEG	TAL BUF
Total/NA	Analysis	7470A		1	433555	09/07/18 17:05	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	431557	08/27/18 09:30	KEK	TAL BUF

Lab Chronicle

Client: Town of Manlius
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-140813-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 480-140813-4

Date Collected: 08/23/18 00:00

Matrix: Water

Date Received: 08/24/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	431268	08/24/18 14:47	S1V	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: Town of Manlius
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-140813-1

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 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
624		Surface Water	1,1,1-Trichloroethane
624		Surface Water	1,1,2,2-Tetrachloroethane
624		Surface Water	1,1,2-Trichloroethane
624		Surface Water	1,1-Dichloroethane
624		Surface Water	1,1-Dichloroethene
624		Surface Water	1,2-Dichlorobenzene
624		Surface Water	1,2-Dichloroethane
624		Surface Water	1,2-Dichloroethene, Total
624		Surface Water	1,2-Dichloropropane
624		Surface Water	1,3-Dichlorobenzene
624		Surface Water	1,4-Dichlorobenzene
624		Surface Water	2-Chloroethyl vinyl ether
624		Surface Water	Acrolein
624		Surface Water	Acrylonitrile
624		Surface Water	Benzene
624		Surface Water	Bromoform
624		Surface Water	Bromomethane
624		Surface Water	Carbon tetrachloride
624		Surface Water	Chlorobenzene
624		Surface Water	Chlorodibromomethane
624		Surface Water	Chloroethane
624		Surface Water	Chloroform
624		Surface Water	Chloromethane
624		Surface Water	cis-1,3-Dichloropropene
624		Surface Water	Dichlorobromomethane
624		Surface Water	Ethylbenzene
624		Surface Water	Methylene Chloride
624		Surface Water	Tetrachloroethene
624		Surface Water	Toluene
624		Surface Water	trans-1,2-Dichloroethene
624		Surface Water	trans-1,3-Dichloropropene
624		Surface Water	Trichloroethene
624		Surface Water	Vinyl chloride
624		Water	1,1,1-Trichloroethane
624		Water	1,1,2,2-Tetrachloroethane
624		Water	1,1,2-Trichloroethane
624		Water	1,1-Dichloroethane
624		Water	1,1-Dichloroethene
624		Water	1,2-Dichlorobenzene
624		Water	1,2-Dichloroethane
624		Water	1,2-Dichloroethene, Total
624		Water	1,2-Dichloropropane
624		Water	1,3-Dichlorobenzene
624		Water	1,4-Dichlorobenzene
624		Water	2-Chloroethyl vinyl ether

Laboratory: TestAmerica Buffalo (Continued)

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

624	Water	Acrolein
624	Water	Acrylonitrile
624	Water	Benzene
624	Water	Bromoform
624	Water	Bromomethane
624	Water	Carbon tetrachloride
624	Water	Chlorobenzene
624	Water	Chlorodibromomethane
624	Water	Chloroethane
624	Water	Chloroform
624	Water	Chloromethane
624	Water	cis-1,3-Dichloropropene
624	Water	Dichlorobromomethane
624	Water	Ethylbenzene
624	Water	Methylene Chloride
624	Water	Tetrachloroethene
624	Water	Toluene
624	Water	trans-1,2-Dichloroethene
624	Water	trans-1,3-Dichloropropene
624	Water	Trichloroethene
624	Water	Vinyl chloride

Method Summary

Client: Town of Manlius
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-140813-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
FILTRATION	Sample Filtration	None	TAL BUF

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

Sample Summary

Client: Town of Manlius
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-140813-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-140813-1	SW-1	Surface Water	08/23/18 07:45	08/24/18 01:00
480-140813-2	SW-2	Surface Water	08/23/18 07:30	08/24/18 01:00
480-140813-3	SW-3	Surface Water	08/23/18 08:15	08/24/18 01:00
480-140813-4	TRIP BLANK	Water	08/23/18 00:00	08/24/18 01:00

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

480-140813 COC

Client Information	Sampler: Tim Knollmyer	Lab PM: Johnson, Orlette S	Carrier:	COC No: 480-117280-14484.1
Client Contact: Michael Moracco	Phone: 413-230-8415	E-Mail: orlette.johnson@testamericainc.com		Page: Page 1 of 1
Company: Town of Dewitt				Job #:
Address: 5400 Butternut Drive	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13057				
Phone: 315-446-3428(Tel)	PO #: Purchase Order not required			
Email: mmoracco@townofdewitt.com	WO #:			
Project Name: Town of Dewitt/ Event Desc: Surfacewater - Quarterly (3,6,9,12)	Project #: 48009871			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

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)	6010C - Priority Pollutant Metals - Filtered	6010C, 7470A	624_6ml - Priority Pollutant List - VOA - 624	2540C_Calcd - Total Dissolved Solids	7470A - Mercury - Filtered	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D	A	N	N		
SW-1	8-23-18	0745		Water				X	X	X			
SW-2	8-23-18	0730		Water			X	X	X	X	X		
SW-3	8-23-18	0815		Water				X	X	X			
Trip Blank				Water					X				
		8-23-18											

DIC

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Tim Knollmyer	8-23-18 1900	TA	[illegible]	8-24-18 0100	TAB

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.1 #1

Ver: 08/04/2016

FIELD OBSERVATIONS

Facility: Dewitt LF **Sample Point ID:** SW-1

Field Personnel: TDK **Sample Matrix:** SW

SAMPLING INFORMATION:

Date/Time 8-23-18, 0745

Method of Sampling: **Bailer** Grab **Dedicated:** YES

Diameter of Well _____
Well Depth (from top of PVC) _____
Water Depth (from top of PVC) _____
Length of water Column _____
Puge Volume: LWC x 0.17 x 3= _____ **Volume Purged** —

Methane Reading _____

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
0745	7.45	7.23	2393	20.9	-108.8	3.83

INSTRUMENT CHECK DATA:

See page 1

Turbidity 0.0 Serial #: _____
Turbidity 1.0 Serial #: _____
Turbidity 10.0 Serial #: _____

pH 4.0 Serial #: _____
pH 7.0 Serial #: _____
pH 10.0 Serial #: _____

Cond Serial #: _____ _____ umhos/cm@25 C

ORP Serial # _____ _____ **Mv**

DO Calibrated to _____ @ _____

Weather conditions @ time of sampling: Sunny 60°

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 8/23/18 **By:** TDK **Company:** TA

2

FIELD OBSERVATIONS

Facility: Dewitt LF **Sample Point ID:** SW-2

Field Personnel: TDC **Sample Matrix:** SW

SAMPLING INFORMATION:

Date/Time 8-23-18, 0730

Method of Sampling: **Bailer** GRAB **Dedicated:** YES

Diameter of Well
Well Depth (from top of PVC)
Water Depth (from top of PVC)
Length of water Column
Puge Volume: LWC x 0.17 x 3= **Volume Purged** —

Methane Reading

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
0730	9.04	7.04	1532	99.1 *	-80.6	7.35

Lamotte 2020 Turbidity meter

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #: C79444 3 Exp 9/18
Turbidity 1.0 Serial #: C582717 Exp 9/18
Turbidity 10.0 Serial #: C653323C Exp 4/19

pH 4.0 Serial #: 8GE 305 Exp 5/20
pH 7.0 Serial #: 8GE 54 Exp 5/20
pH 10.0 Serial #: 8GB 506 Exp 2/20

Cond Serial #: 76L100 1.409 umhos/cm@25 C Exp 12/18

ORP Serial # 2446 240 **Mv** Exp 01/23

DO Calibrated to 98.6% @ 571'

Weather conditions @ time of sampling: Sunny 60°

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 8/23/18 **By:** TDC **Company:** TA

1

FIELD OBSERVATIONS

Facility: Dewitt LF **Sample Point ID:** SW-3

Field Personnel: TDK **Sample Matrix:** SW

SAMPLING INFORMATION:

Date/Time 8-23-18 / 0815

Method of Sampling: **Bailer** Grab **Dedicated:** **YES**

Diameter of Well
Well Depth (from top of PVC)
Water Depth (from top of PVC)
Length of water Column
Puge Volume: LWC x 0.17 x 3= **Volume Purged**

Methane Reading

SAMPLING DATA:

Time	Temp. (°C)	pH (std units)	Conduct (Umhos/cm)	Turb. (NTU)	ORP Mv	DO (mg/l)
0815	8.19	7.31	1042	17.7	-98.9	3.81

INSTRUMENT CHECK DATA:

Turbidity 0.0 Serial #:
Turbidity 1.0 Serial #:
Turbidity 10.0 Serial #:

See Page 1

pH 4.0 Serial #:
pH 7.0 Serial #:
pH 10.0 Serial #:

Cond Serial #: umhos/cm@25 C

ORP Serial # **Mv**

DO Calibrated to @

Weather conditions @ time of sampling: Sunny 60°

COMMENTS AND OBSERVATIONS:

I certify that sampling procedures were in accordance with all applicable EPA, State and Site-Specific protocals.

Date: 8/23/18 **By:** TDK **Company:** TA

3

Login Sample Receipt Checklist

Client: Town of Manlius

Job Number: 480-140813-1

Login Number: 140813

List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

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	TAL
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	False	LAB TO CHECK RC

TestAmerica

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ANALYTICAL REPORT

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

TestAmerica Job ID: 480-145852-1
Client Project/Site: Town of Dewitt
Sampling Event: Groundwater - Annual (3)

For:
Town of Dewitt
5400 Butternut Drive
East Syracuse, New York 13057

Attn: C. Manchester

Authorized for release by:
12/24/2018 12:53:04 PM
Anthony Strollo, Project Management Assistant I
anthony.strollo@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

Table of Contents

Definitions/Glossary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

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.
B	Compound was found in the blank and sample.

General Chemistry

Qualifier	Qualifier Description
E	Result exceeded calibration range.

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: 480-145852-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-145852-1

Comments
No additional comments.

Receipt
The samples were received on 11/29/2018 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

GC/MS VOA
Method(s) 624: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-9D (480-145852-3). Elevated reporting limits (RLs) are provided.

Method(s) 624: The preservative used in the sample containers provided is not compatible with the Method 624 analytes requested. The following samples were received preserved with hydrochloric acid: MW-8D (480-145852-1), MW-8S (480-145852-2), MW-9D (480-145852-3), MW-9M (480-145852-4), MW-9S (480-145852-5), MW-4S (480-145852-6) and MW-6S (480-145852-7). The requested target analyte list contains 2-Chloroethyl vinyl ether and/or Acrolein, which are acid-labile compounds that degrade in an acidic medium.

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

Metals
Method(s) 6010C: Due to sample matrix effect on the internal standard (ISTD), a dilution was required for the following sample: MW-9D (480-145852-3).

Method(s) 6010C: Due to sample matrix effect on the internal standard (Indium), a dilution was required for the following sample: MW-9D (480-145852-3).

Method(s) 6010C: Due to sample matrix effect on the internal standard (Yttrium), a dilution was required for the following sample: MW-9D (480-145852-3).

Method(s) 7470A: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following sample: MW-9D (480-145852-3). This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample was prepared and analyzed at a <1:20> dilution, which maintained the purple color during digestion.

Method(s) 7470A: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following sample: MW-9D (480-145852-3). This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample was prepared and analyzed at a <1:20> dilution, which maintained the purple color during digestion.

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

General Chemistry
Method(s) SM 2540C: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: MW-8S (480-145852-2), MW-9M (480-145852-4), MW-9S (480-145852-5), MW-4S (480-145852-6), MW-6S (480-145852-7) and (480-145852-A-1 DU). The reporting limits (RLs) have been adjusted proportionately.

Method(s) SM 2540C: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: (480-144836-O-1) and (480-144836-O-1 DU). The reporting limits (RLs) have been adjusted proportionately.

Method(s) SM 2540C: The reference method specifies that no more than 200 mg of weight be recovered for a chosen sample analysis volume in order to produce the best data precision. Reanalysis was performed outside of analytical holding time at a reduced volume. The results did not confirm, and both sets of data are reported. (480-144836-O-1)

Job ID: 480-145852-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

Method(s) SM 2540C: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: MW-9D (480-145852-3), (480-145852-A-3 DU), (480-146749-B-8) and (480-146749-B-8 DU). The reporting limits (RLs) have been adjusted proportionately.

Method(s) SM 2540C: The reference method specifies that no more than 200 mg of weight be recovered for a chosen sample analysis volume in order to produce the best data precision. Reanalysis was performed outside of analytical holding time at a reduced volume and the initial result was confirmed and is reported: MW-9D (480-145852-3)

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

Detection Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Client Sample ID: MW-8D — Lab Sample ID: 480-145852-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0099	J	0.015	0.0056	mg/L	1		6010C	Total/NA
Zinc	0.0044	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Total Dissolved Solids	2270		20.0	8.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-8S — Lab Sample ID: 480-145852-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	57		5.0	0.75	ug/L	1		624	Total/NA
Arsenic	0.0063	J	0.015	0.0056	mg/L	1		6010C	Total/NA
Chromium	0.044		0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.011		0.010	0.0016	mg/L	1		6010C	Total/NA
Lead	0.0042	J	0.010	0.0030	mg/L	1		6010C	Total/NA
Nickel	0.029		0.010	0.0013	mg/L	1		6010C	Total/NA
Zinc	0.022		0.010	0.0015	mg/L	1		6010C	Total/NA
Nickel	0.0024	J B	0.010	0.0013	mg/L	1		6010C	Dissolved
Zinc	0.0061	J B	0.010	0.0015	mg/L	1		6010C	Dissolved
Total Dissolved Solids	1120		20.0	8.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-9D — Lab Sample ID: 480-145852-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	5.7	J	20	3.3	ug/L	4		624	Total/NA
Arsenic	0.058	J	0.15	0.056	mg/L	10		6010C	Total/NA
Cadmium	0.0045	J	0.010	0.0025	mg/L	5		6010C	Total/NA
Chromium	5.9		0.020	0.0050	mg/L	5		6010C	Total/NA
Copper	0.10		0.10	0.016	mg/L	10		6010C	Total/NA
Nickel	2.9		0.10	0.013	mg/L	10		6010C	Total/NA
Zinc	0.20		0.10	0.015	mg/L	10		6010C	Total/NA
Copper	0.064	J	0.10	0.016	mg/L	10		6010C	Dissolved
Nickel	0.81	B	0.10	0.013	mg/L	10		6010C	Dissolved
Zinc	0.066	J B	0.10	0.015	mg/L	10		6010C	Dissolved
Total Dissolved Solids	264000	E	1000	400	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-9M — Lab Sample ID: 480-145852-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	58		5.0	0.75	ug/L	1		624	Total/NA
Arsenic	0.030		0.015	0.0056	mg/L	1		6010C	Total/NA
Chromium	0.0057		0.0040	0.0010	mg/L	1		6010C	Total/NA
Nickel	0.0085	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Zinc	0.0040	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Total Dissolved Solids	1150		20.0	8.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-9S — Lab Sample ID: 480-145852-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	0.87	J	5.0	0.75	ug/L	1		624	Total/NA
Arsenic	0.0062	J	0.015	0.0056	mg/L	1		6010C	Total/NA
Nickel	0.0015	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Total Dissolved Solids	1190		20.0	8.0	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Client Sample ID: MW-4S — Lab Sample ID: 480-145852-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	62		10	3.2	ug/L	1		624	Total/NA
Chromium	0.0083		0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0033	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Lead	0.0035	J	0.010	0.0030	mg/L	1		6010C	Total/NA
Nickel	0.0046	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Zinc	0.0093	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0017	J B	0.010	0.0015	mg/L	1		6010C	Dissolved
Total Dissolved Solids	2800		20.0	8.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-6S — Lab Sample ID: 480-145852-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.013	J	0.015	0.0056	mg/L	1		6010C	Total/NA
Lead	0.0031	J	0.010	0.0030	mg/L	1		6010C	Total/NA
Nickel	0.0025	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Total Dissolved Solids	1300		20.0	8.0	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Client Sample ID: MW-8D

Date Collected: 11/26/18 11:00
Date Received: 11/29/18 01:00

Lab Sample ID: 480-145852-1

Matrix: Ground Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			11/30/18 15:36	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			11/30/18 15:36	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			11/30/18 15:36	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			11/30/18 15:36	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			11/30/18 15:36	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			11/30/18 15:36	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			11/30/18 15:36	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			11/30/18 15:36	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			11/30/18 15:36	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			11/30/18 15:36	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			11/30/18 15:36	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			11/30/18 15:36	1
Acrolein	ND		100	17	ug/L			11/30/18 15:36	1
Acrylonitrile	ND		50	1.9	ug/L			11/30/18 15:36	1
Benzene	ND		5.0	0.60	ug/L			11/30/18 15:36	1
Bromoform	ND		5.0	0.47	ug/L			11/30/18 15:36	1
Bromomethane	ND		5.0	1.2	ug/L			11/30/18 15:36	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			11/30/18 15:36	1
Chlorobenzene	ND		5.0	0.48	ug/L			11/30/18 15:36	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			11/30/18 15:36	1
Chloroethane	ND		5.0	0.87	ug/L			11/30/18 15:36	1
Chloroform	ND		5.0	0.54	ug/L			11/30/18 15:36	1
Chloromethane	ND		5.0	0.64	ug/L			11/30/18 15:36	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			11/30/18 15:36	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			11/30/18 15:36	1
Ethylbenzene	ND		5.0	0.46	ug/L			11/30/18 15:36	1
Methylene Chloride	ND		5.0	0.81	ug/L			11/30/18 15:36	1
Tetrachloroethene	ND		5.0	0.34	ug/L			11/30/18 15:36	1
Toluene	ND		5.0	0.45	ug/L			11/30/18 15:36	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			11/30/18 15:36	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			11/30/18 15:36	1
Trichloroethene	ND		5.0	0.60	ug/L			11/30/18 15:36	1
Vinyl chloride	ND		5.0	0.75	ug/L			11/30/18 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*68 - 130*		*11/30/18 15:36*	*1*
4-Bromofluorobenzene (Surr)	*110*		*76 - 123*		*11/30/18 15:36*	*1*
Toluene-d8 (Surr)	*94*		*77 - 120*		*11/30/18 15:36*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/05/18 08:29	12/10/18 14:13	1
Arsenic	**0.0099**	**J**	0.015	0.0056	mg/L		12/05/18 08:29	12/10/18 14:13	1
Beryllium	ND		0.0020	0.00030	mg/L		12/05/18 08:29	12/08/18 12:08	1
Cadmium	ND		0.0020	0.00050	mg/L		12/05/18 08:29	12/08/18 12:08	1
Chromium	ND		0.0040	0.0010	mg/L		12/05/18 08:29	12/08/18 12:08	1
Copper	ND		0.010	0.0016	mg/L		12/05/18 08:29	12/10/18 14:13	1
Lead	ND		0.010	0.0030	mg/L		12/05/18 08:29	12/08/18 12:08	1
Nickel	ND		0.010	0.0013	mg/L		12/05/18 08:29	12/08/18 12:08	1
Selenium	ND		0.025	0.0087	mg/L		12/05/18 08:29	12/10/18 14:13	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Client Sample ID: MW-8D

Date Collected: 11/26/18 11:00
Date Received: 11/29/18 01:00

Lab Sample ID: 480-145852-1

Matrix: Ground Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		12/05/18 08:29	12/08/18 12:08	1
Thallium	ND		0.020	0.010	mg/L		12/05/18 08:29	12/08/18 12:08	1
Zinc	**0.0044**	**J**	0.010	0.0015	mg/L		12/05/18 08:29	12/10/18 14:13	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/30/18 11:20	11/30/18 14:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2270**		20.0	8.0	mg/L			11/30/18 09:06	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Client Sample ID: MW-8S

Date Collected: 11/26/18 11:30
Date Received: 11/29/18 01:00

Lab Sample ID: 480-145852-2

Matrix: Ground Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			11/30/18 16:00	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			11/30/18 16:00	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			11/30/18 16:00	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			11/30/18 16:00	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			11/30/18 16:00	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			11/30/18 16:00	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			11/30/18 16:00	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			11/30/18 16:00	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			11/30/18 16:00	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			11/30/18 16:00	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			11/30/18 16:00	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			11/30/18 16:00	1
Acrolein	ND		100	17	ug/L			11/30/18 16:00	1
Acrylonitrile	ND		50	1.9	ug/L			11/30/18 16:00	1
Benzene	ND		5.0	0.60	ug/L			11/30/18 16:00	1
Bromoform	ND		5.0	0.47	ug/L			11/30/18 16:00	1
Bromomethane	ND		5.0	1.2	ug/L			11/30/18 16:00	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			11/30/18 16:00	1
Chlorobenzene	ND		5.0	0.48	ug/L			11/30/18 16:00	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			11/30/18 16:00	1
Chloroethane	ND		5.0	0.87	ug/L			11/30/18 16:00	1
Chloroform	ND		5.0	0.54	ug/L			11/30/18 16:00	1
Chloromethane	ND		5.0	0.64	ug/L			11/30/18 16:00	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			11/30/18 16:00	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			11/30/18 16:00	1
Ethylbenzene	ND		5.0	0.46	ug/L			11/30/18 16:00	1
Methylene Chloride	ND		5.0	0.81	ug/L			11/30/18 16:00	1
Tetrachloroethene	ND		5.0	0.34	ug/L			11/30/18 16:00	1
Toluene	ND		5.0	0.45	ug/L			11/30/18 16:00	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			11/30/18 16:00	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			11/30/18 16:00	1
Trichloroethene	ND		5.0	0.60	ug/L			11/30/18 16:00	1
Vinyl chloride	**57**		5.0	0.75	ug/L			11/30/18 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*68 - 130*		*11/30/18 16:00*	*1*
4-Bromofluorobenzene (Surr)	*112*		*76 - 123*		*11/30/18 16:00*	*1*
Toluene-d8 (Surr)	*93*		*77 - 120*		*11/30/18 16:00*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/05/18 08:29	12/10/18 14:16	1
Arsenic	**0.0063**	**J**	0.015	0.0056	mg/L		12/05/18 08:29	12/10/18 14:16	1
Beryllium	ND		0.0020	0.00030	mg/L		12/05/18 08:29	12/08/18 12:12	1
Cadmium	ND		0.0020	0.00050	mg/L		12/05/18 08:29	12/08/18 12:12	1
Chromium	**0.044**		0.0040	0.0010	mg/L		12/05/18 08:29	12/08/18 12:12	1
Copper	**0.011**		0.010	0.0016	mg/L		12/05/18 08:29	12/10/18 14:16	1
Lead	**0.0042**	**J**	0.010	0.0030	mg/L		12/05/18 08:29	12/08/18 12:12	1
Nickel	**0.029**		0.010	0.0013	mg/L		12/05/18 08:29	12/08/18 12:12	1
Selenium	ND		0.025	0.0087	mg/L		12/05/18 08:29	12/10/18 14:16	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Client Sample ID: MW-8S

Date Collected: 11/26/18 11:30
Date Received: 11/29/18 01:00

Lab Sample ID: 480-145852-2

Matrix: Ground Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		12/05/18 08:29	12/08/18 12:12	1
Thallium	ND		0.020	0.010	mg/L		12/05/18 08:29	12/08/18 12:12	1
Zinc	**0.022**		0.010	0.0015	mg/L		12/05/18 08:29	12/10/18 14:16	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/03/18 10:59	12/08/18 14:54	1
Arsenic	ND		0.015	0.0056	mg/L		12/03/18 10:59	12/08/18 14:54	1
Beryllium	ND		0.0020	0.00030	mg/L		12/03/18 10:59	12/08/18 14:54	1
Cadmium	ND		0.0020	0.00050	mg/L		12/03/18 10:59	12/08/18 14:54	1
Chromium	ND		0.0040	0.0010	mg/L		12/03/18 10:59	12/08/18 14:54	1
Copper	ND		0.010	0.0016	mg/L		12/03/18 10:59	12/08/18 14:54	1
Lead	ND		0.010	0.0030	mg/L		12/03/18 10:59	12/08/18 14:54	1
Nickel	**0.0024**	**J B**	0.010	0.0013	mg/L		12/03/18 10:59	12/08/18 14:54	1
Selenium	ND		0.025	0.0087	mg/L		12/03/18 10:59	12/08/18 14:54	1
Silver	ND		0.0060	0.0017	mg/L		12/03/18 10:59	12/08/18 14:54	1
Thallium	ND		0.020	0.010	mg/L		12/03/18 10:59	12/08/18 14:54	1
Zinc	**0.0061**	**J B**	0.010	0.0015	mg/L		12/03/18 10:59	12/08/18 14:54	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/30/18 11:20	11/30/18 14:51	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/03/18 11:55	12/03/18 16:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1120**		20.0	8.0	mg/L			11/30/18 09:06	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Client Sample ID: MW-9D

Date Collected: 11/26/18 13:45
Date Received: 11/29/18 01:00

Lab Sample ID: 480-145852-3

Matrix: Ground Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	1.5	ug/L			11/30/18 16:24	4
1,1,2,2-Tetrachloroethane	ND		20	1.0	ug/L			11/30/18 16:24	4
1,1,2-Trichloroethane	ND		20	1.9	ug/L			11/30/18 16:24	4
1,1-Dichloroethane	ND		20	2.4	ug/L			11/30/18 16:24	4
1,1-Dichloroethene	ND		20	3.4	ug/L			11/30/18 16:24	4
1,2-Dichlorobenzene	ND		20	1.8	ug/L			11/30/18 16:24	4
1,2-Dichloroethane	ND		20	2.4	ug/L			11/30/18 16:24	4
1,2-Dichloroethene, Total	ND		40	13	ug/L			11/30/18 16:24	4
1,2-Dichloropropane	ND		20	2.4	ug/L			11/30/18 16:24	4
1,3-Dichlorobenzene	ND		20	2.2	ug/L			11/30/18 16:24	4
1,4-Dichlorobenzene	ND		20	2.0	ug/L			11/30/18 16:24	4
2-Chloroethyl vinyl ether	ND		100	7.4	ug/L			11/30/18 16:24	4
Acrolein	ND		400	70	ug/L			11/30/18 16:24	4
Acrylonitrile	ND		200	7.6	ug/L			11/30/18 16:24	4
Benzene	ND		20	2.4	ug/L			11/30/18 16:24	4
Bromoform	ND		20	1.9	ug/L			11/30/18 16:24	4
Bromomethane	ND		20	4.8	ug/L			11/30/18 16:24	4
Carbon tetrachloride	ND		20	2.0	ug/L			11/30/18 16:24	4
Chlorobenzene	ND		20	1.9	ug/L			11/30/18 16:24	4
Chlorodibromomethane	ND		20	1.7	ug/L			11/30/18 16:24	4
Chloroethane	ND		20	3.5	ug/L			11/30/18 16:24	4
Chloroform	ND		20	2.2	ug/L			11/30/18 16:24	4
Chloromethane	ND		20	2.5	ug/L			11/30/18 16:24	4
cis-1,3-Dichloropropene	ND		20	1.3	ug/L			11/30/18 16:24	4
Dichlorobromomethane	ND		20	2.1	ug/L			11/30/18 16:24	4
Ethylbenzene	ND		20	1.9	ug/L			11/30/18 16:24	4
Methylene Chloride	**5.7**	**J**	20	3.3	ug/L			11/30/18 16:24	4
Tetrachloroethene	ND		20	1.4	ug/L			11/30/18 16:24	4
Toluene	ND		20	1.8	ug/L			11/30/18 16:24	4
trans-1,2-Dichloroethene	ND		20	2.4	ug/L			11/30/18 16:24	4
trans-1,3-Dichloropropene	ND		20	1.8	ug/L			11/30/18 16:24	4
Trichloroethene	ND		20	2.4	ug/L			11/30/18 16:24	4
Vinyl chloride	ND		20	3.0	ug/L			11/30/18 16:24	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 130*		*11/30/18 16:24*	*4*
4-Bromofluorobenzene (Surr)	*119*		*76 - 123*		*11/30/18 16:24*	*4*
Toluene-d8 (Surr)	*99*		*77 - 120*		*11/30/18 16:24*	*4*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.20	0.068	mg/L		12/05/18 08:29	12/10/18 14:20	10
Arsenic	**0.058**	**J**	0.15	0.056	mg/L		12/05/18 08:29	12/10/18 14:20	10
Beryllium	ND		0.010	0.0015	mg/L		12/05/18 08:29	12/08/18 12:20	5
Cadmium	**0.0045**	**J**	0.010	0.0025	mg/L		12/05/18 08:29	12/08/18 12:20	5
Chromium	**5.9**		0.020	0.0050	mg/L		12/05/18 08:29	12/08/18 12:20	5
Copper	**0.10**		0.10	0.016	mg/L		12/05/18 08:29	12/10/18 14:20	10
Lead	ND		0.10	0.030	mg/L		12/05/18 08:29	12/10/18 14:20	10
Nickel	**2.9**		0.10	0.013	mg/L		12/05/18 08:29	12/10/18 14:20	10
Selenium	ND		0.25	0.087	mg/L		12/05/18 08:29	12/10/18 14:20	10

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Client Sample ID: MW-9D

Date Collected: 11/26/18 13:45
Date Received: 11/29/18 01:00

Lab Sample ID: 480-145852-3

Matrix: Ground Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.030	0.0085	mg/L		12/05/18 08:29	12/08/18 12:20	5
Thallium	ND		0.20	0.10	mg/L		12/05/18 08:29	12/10/18 14:20	10
Zinc	**0.20**		0.10	0.015	mg/L		12/05/18 08:29	12/10/18 14:20	10

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.20	0.068	mg/L		12/03/18 10:59	12/10/18 12:37	10
Arsenic	ND		0.15	0.056	mg/L		12/03/18 10:59	12/10/18 12:37	10
Beryllium	ND		0.020	0.0030	mg/L		12/03/18 10:59	12/10/18 12:37	10
Cadmium	ND		0.020	0.0050	mg/L		12/03/18 10:59	12/10/18 12:37	10
Chromium	ND		0.040	0.010	mg/L		12/03/18 10:59	12/10/18 12:37	10
Copper	**0.064**	**J**	0.10	0.016	mg/L		12/03/18 10:59	12/10/18 12:37	10
Lead	ND		0.10	0.030	mg/L		12/03/18 10:59	12/10/18 12:37	10
Nickel	**0.81**	**B**	0.10	0.013	mg/L		12/03/18 10:59	12/10/18 12:37	10
Selenium	ND		0.25	0.087	mg/L		12/03/18 10:59	12/10/18 12:37	10
Silver	ND		0.060	0.017	mg/L		12/03/18 10:59	12/10/18 12:37	10
Thallium	ND		0.20	0.10	mg/L		12/03/18 10:59	12/10/18 12:37	10
Zinc	**0.066**	**J B**	0.10	0.015	mg/L		12/03/18 10:59	12/10/18 12:37	10

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0040	0.0024	mg/L		11/30/18 11:20	11/30/18 14:53	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0040	0.0024	mg/L		12/03/18 11:55	12/03/18 17:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**264000**	**E**	1000	400	mg/L			11/30/18 09:06	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Client Sample ID: MW-9M

Date Collected: 11/26/18 13:00
Date Received: 11/29/18 01:00

Lab Sample ID: 480-145852-4

Matrix: Ground Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			11/30/18 16:47	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			11/30/18 16:47	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			11/30/18 16:47	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			11/30/18 16:47	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			11/30/18 16:47	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			11/30/18 16:47	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			11/30/18 16:47	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			11/30/18 16:47	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			11/30/18 16:47	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			11/30/18 16:47	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			11/30/18 16:47	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			11/30/18 16:47	1
Acrolein	ND		100	17	ug/L			11/30/18 16:47	1
Acrylonitrile	ND		50	1.9	ug/L			11/30/18 16:47	1
Benzene	ND		5.0	0.60	ug/L			11/30/18 16:47	1
Bromoform	ND		5.0	0.47	ug/L			11/30/18 16:47	1
Bromomethane	ND		5.0	1.2	ug/L			11/30/18 16:47	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			11/30/18 16:47	1
Chlorobenzene	ND		5.0	0.48	ug/L			11/30/18 16:47	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			11/30/18 16:47	1
Chloroethane	ND		5.0	0.87	ug/L			11/30/18 16:47	1
Chloroform	ND		5.0	0.54	ug/L			11/30/18 16:47	1
Chloromethane	ND		5.0	0.64	ug/L			11/30/18 16:47	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			11/30/18 16:47	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			11/30/18 16:47	1
Ethylbenzene	ND		5.0	0.46	ug/L			11/30/18 16:47	1
Methylene Chloride	ND		5.0	0.81	ug/L			11/30/18 16:47	1
Tetrachloroethene	ND		5.0	0.34	ug/L			11/30/18 16:47	1
Toluene	ND		5.0	0.45	ug/L			11/30/18 16:47	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			11/30/18 16:47	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			11/30/18 16:47	1
Trichloroethene	ND		5.0	0.60	ug/L			11/30/18 16:47	1
Vinyl chloride	**58**		5.0	0.75	ug/L			11/30/18 16:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*68 - 130*		*11/30/18 16:47*	*1*
4-Bromofluorobenzene (Surr)	*113*		*76 - 123*		*11/30/18 16:47*	*1*
Toluene-d8 (Surr)	*93*		*77 - 120*		*11/30/18 16:47*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/05/18 08:29	12/10/18 14:28	1
Arsenic	**0.030**		0.015	0.0056	mg/L		12/05/18 08:29	12/10/18 14:28	1
Beryllium	ND		0.0020	0.00030	mg/L		12/05/18 08:29	12/08/18 12:24	1
Cadmium	ND		0.0020	0.00050	mg/L		12/05/18 08:29	12/08/18 12:24	1
Chromium	**0.0057**		0.0040	0.0010	mg/L		12/05/18 08:29	12/08/18 12:24	1
Copper	ND		0.010	0.0016	mg/L		12/05/18 08:29	12/10/18 14:28	1
Lead	ND		0.010	0.0030	mg/L		12/05/18 08:29	12/08/18 12:24	1
Nickel	**0.0085**	**J**	0.010	0.0013	mg/L		12/05/18 08:29	12/08/18 12:24	1
Selenium	ND		0.025	0.0087	mg/L		12/05/18 08:29	12/10/18 14:28	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Client Sample ID: MW-9M

Date Collected: 11/26/18 13:00
Date Received: 11/29/18 01:00

Lab Sample ID: 480-145852-4

Matrix: Ground Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		12/05/18 08:29	12/08/18 12:24	1
Thallium	ND		0.020	0.010	mg/L		12/05/18 08:29	12/08/18 12:24	1
Zinc	**0.0040**	**J**	0.010	0.0015	mg/L		12/05/18 08:29	12/10/18 14:28	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/30/18 11:20	11/30/18 14:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1150**		20.0	8.0	mg/L			11/30/18 09:06	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Client Sample ID: MW-9S

Date Collected: 11/26/18 13:30
Date Received: 11/29/18 01:00

Lab Sample ID: 480-145852-5

Matrix: Ground Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			11/30/18 17:10	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			11/30/18 17:10	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			11/30/18 17:10	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			11/30/18 17:10	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			11/30/18 17:10	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			11/30/18 17:10	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			11/30/18 17:10	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			11/30/18 17:10	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			11/30/18 17:10	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			11/30/18 17:10	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			11/30/18 17:10	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			11/30/18 17:10	1
Acrolein	ND		100	17	ug/L			11/30/18 17:10	1
Acrylonitrile	ND		50	1.9	ug/L			11/30/18 17:10	1
Benzene	ND		5.0	0.60	ug/L			11/30/18 17:10	1
Bromoform	ND		5.0	0.47	ug/L			11/30/18 17:10	1
Bromomethane	ND		5.0	1.2	ug/L			11/30/18 17:10	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			11/30/18 17:10	1
Chlorobenzene	ND		5.0	0.48	ug/L			11/30/18 17:10	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			11/30/18 17:10	1
Chloroethane	ND		5.0	0.87	ug/L			11/30/18 17:10	1
Chloroform	ND		5.0	0.54	ug/L			11/30/18 17:10	1
Chloromethane	ND		5.0	0.64	ug/L			11/30/18 17:10	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			11/30/18 17:10	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			11/30/18 17:10	1
Ethylbenzene	ND		5.0	0.46	ug/L			11/30/18 17:10	1
Methylene Chloride	ND		5.0	0.81	ug/L			11/30/18 17:10	1
Tetrachloroethene	ND		5.0	0.34	ug/L			11/30/18 17:10	1
Toluene	ND		5.0	0.45	ug/L			11/30/18 17:10	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			11/30/18 17:10	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			11/30/18 17:10	1
Trichloroethene	ND		5.0	0.60	ug/L			11/30/18 17:10	1
Vinyl chloride	**0.87**	**J**	5.0	0.75	ug/L			11/30/18 17:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*68 - 130*		*11/30/18 17:10*	*1*
4-Bromofluorobenzene (Surr)	*112*		*76 - 123*		*11/30/18 17:10*	*1*
Toluene-d8 (Surr)	*95*		*77 - 120*		*11/30/18 17:10*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/05/18 08:29	12/10/18 14:44	1
Arsenic	**0.0062**	**J**	0.015	0.0056	mg/L		12/05/18 08:29	12/10/18 14:44	1
Beryllium	ND		0.0020	0.00030	mg/L		12/05/18 08:29	12/08/18 12:28	1
Cadmium	ND		0.0020	0.00050	mg/L		12/05/18 08:29	12/08/18 12:28	1
Chromium	ND		0.0040	0.0010	mg/L		12/05/18 08:29	12/08/18 12:28	1
Copper	ND		0.010	0.0016	mg/L		12/05/18 08:29	12/10/18 14:44	1
Lead	ND		0.010	0.0030	mg/L		12/05/18 08:29	12/08/18 12:28	1
Nickel	**0.0015**	**J**	0.010	0.0013	mg/L		12/05/18 08:29	12/08/18 12:28	1
Selenium	ND		0.025	0.0087	mg/L		12/05/18 08:29	12/10/18 14:44	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Client Sample ID: MW-9S

Date Collected: 11/26/18 13:30
Date Received: 11/29/18 01:00

Lab Sample ID: 480-145852-5

Matrix: Ground Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		12/05/18 08:29	12/08/18 12:28	1
Thallium	ND		0.020	0.010	mg/L		12/05/18 08:29	12/08/18 12:28	1
Zinc	ND		0.010	0.0015	mg/L		12/05/18 08:29	12/10/18 14:44	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/30/18 11:20	11/30/18 14:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1190**		20.0	8.0	mg/L			11/30/18 09:06	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Client Sample ID: MW-4S

Date Collected: 11/26/18 15:10
Date Received: 11/29/18 01:00

Lab Sample ID: 480-145852-6

Matrix: Ground Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			11/30/18 17:34	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			11/30/18 17:34	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			11/30/18 17:34	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			11/30/18 17:34	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			11/30/18 17:34	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			11/30/18 17:34	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			11/30/18 17:34	1
1,2-Dichloroethene, Total	**62**		10	3.2	ug/L			11/30/18 17:34	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			11/30/18 17:34	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			11/30/18 17:34	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			11/30/18 17:34	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			11/30/18 17:34	1
Acrolein	ND		100	17	ug/L			11/30/18 17:34	1
Acrylonitrile	ND		50	1.9	ug/L			11/30/18 17:34	1
Benzene	ND		5.0	0.60	ug/L			11/30/18 17:34	1
Bromoform	ND		5.0	0.47	ug/L			11/30/18 17:34	1
Bromomethane	ND		5.0	1.2	ug/L			11/30/18 17:34	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			11/30/18 17:34	1
Chlorobenzene	ND		5.0	0.48	ug/L			11/30/18 17:34	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			11/30/18 17:34	1
Chloroethane	ND		5.0	0.87	ug/L			11/30/18 17:34	1
Chloroform	ND		5.0	0.54	ug/L			11/30/18 17:34	1
Chloromethane	ND		5.0	0.64	ug/L			11/30/18 17:34	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			11/30/18 17:34	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			11/30/18 17:34	1
Ethylbenzene	ND		5.0	0.46	ug/L			11/30/18 17:34	1
Methylene Chloride	ND		5.0	0.81	ug/L			11/30/18 17:34	1
Tetrachloroethene	ND		5.0	0.34	ug/L			11/30/18 17:34	1
Toluene	ND		5.0	0.45	ug/L			11/30/18 17:34	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			11/30/18 17:34	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			11/30/18 17:34	1
Trichloroethene	ND		5.0	0.60	ug/L			11/30/18 17:34	1
Vinyl chloride	ND		5.0	0.75	ug/L			11/30/18 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*68 - 130*		*11/30/18 17:34*	*1*
4-Bromofluorobenzene (Surr)	*110*		*76 - 123*		*11/30/18 17:34*	*1*
Toluene-d8 (Surr)	*91*		*77 - 120*		*11/30/18 17:34*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/05/18 08:29	12/10/18 14:47	1
Arsenic	ND		0.015	0.0056	mg/L		12/05/18 08:29	12/10/18 14:47	1
Beryllium	ND		0.0020	0.00030	mg/L		12/05/18 08:29	12/08/18 12:32	1
Cadmium	ND		0.0020	0.00050	mg/L		12/05/18 08:29	12/08/18 12:32	1
Chromium	**0.0083**		0.0040	0.0010	mg/L		12/05/18 08:29	12/08/18 12:32	1
Copper	**0.0033**	**J**	0.010	0.0016	mg/L		12/05/18 08:29	12/10/18 14:47	1
Lead	**0.0035**	**J**	0.010	0.0030	mg/L		12/05/18 08:29	12/08/18 12:32	1
Nickel	**0.0046**	**J**	0.010	0.0013	mg/L		12/05/18 08:29	12/08/18 12:32	1
Selenium	ND		0.025	0.0087	mg/L		12/05/18 08:29	12/10/18 14:47	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Client Sample ID: MW-4S

Date Collected: 11/26/18 15:10
Date Received: 11/29/18 01:00

Lab Sample ID: 480-145852-6

Matrix: Ground Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		12/05/18 08:29	12/08/18 12:32	1
Thallium	ND		0.020	0.010	mg/L		12/05/18 08:29	12/08/18 12:32	1
Zinc	**0.0093**	**J**	0.010	0.0015	mg/L		12/05/18 08:29	12/10/18 14:47	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/03/18 10:59	12/08/18 15:13	1
Arsenic	ND		0.015	0.0056	mg/L		12/03/18 10:59	12/08/18 15:13	1
Beryllium	ND		0.0020	0.00030	mg/L		12/03/18 10:59	12/08/18 15:13	1
Cadmium	ND		0.0020	0.00050	mg/L		12/03/18 10:59	12/08/18 15:13	1
Chromium	ND		0.0040	0.0010	mg/L		12/03/18 10:59	12/08/18 15:13	1
Copper	ND		0.010	0.0016	mg/L		12/03/18 10:59	12/08/18 15:13	1
Lead	ND		0.010	0.0030	mg/L		12/03/18 10:59	12/08/18 15:13	1
Nickel	ND		0.010	0.0013	mg/L		12/03/18 10:59	12/08/18 15:13	1
Selenium	ND		0.025	0.0087	mg/L		12/03/18 10:59	12/08/18 15:13	1
Silver	ND		0.0060	0.0017	mg/L		12/03/18 10:59	12/08/18 15:13	1
Thallium	ND		0.020	0.010	mg/L		12/03/18 10:59	12/08/18 15:13	1
Zinc	**0.0017**	**J B**	0.010	0.0015	mg/L		12/03/18 10:59	12/08/18 15:13	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/30/18 11:20	11/30/18 14:56	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/03/18 11:55	12/03/18 17:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2800**		20.0	8.0	mg/L			11/30/18 09:06	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Client Sample ID: MW-6S

Date Collected: 11/26/18 10:30
Date Received: 11/29/18 01:00

Lab Sample ID: 480-145852-7

Matrix: Ground Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			11/30/18 17:57	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			11/30/18 17:57	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			11/30/18 17:57	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			11/30/18 17:57	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			11/30/18 17:57	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			11/30/18 17:57	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			11/30/18 17:57	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			11/30/18 17:57	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			11/30/18 17:57	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			11/30/18 17:57	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			11/30/18 17:57	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			11/30/18 17:57	1
Acrolein	ND		100	17	ug/L			11/30/18 17:57	1
Acrylonitrile	ND		50	1.9	ug/L			11/30/18 17:57	1
Benzene	ND		5.0	0.60	ug/L			11/30/18 17:57	1
Bromoform	ND		5.0	0.47	ug/L			11/30/18 17:57	1
Bromomethane	ND		5.0	1.2	ug/L			11/30/18 17:57	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			11/30/18 17:57	1
Chlorobenzene	ND		5.0	0.48	ug/L			11/30/18 17:57	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			11/30/18 17:57	1
Chloroethane	ND		5.0	0.87	ug/L			11/30/18 17:57	1
Chloroform	ND		5.0	0.54	ug/L			11/30/18 17:57	1
Chloromethane	ND		5.0	0.64	ug/L			11/30/18 17:57	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			11/30/18 17:57	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			11/30/18 17:57	1
Ethylbenzene	ND		5.0	0.46	ug/L			11/30/18 17:57	1
Methylene Chloride	ND		5.0	0.81	ug/L			11/30/18 17:57	1
Tetrachloroethene	ND		5.0	0.34	ug/L			11/30/18 17:57	1
Toluene	ND		5.0	0.45	ug/L			11/30/18 17:57	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			11/30/18 17:57	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			11/30/18 17:57	1
Trichloroethene	ND		5.0	0.60	ug/L			11/30/18 17:57	1
Vinyl chloride	ND		5.0	0.75	ug/L			11/30/18 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*68 - 130*		*11/30/18 17:57*	*1*
4-Bromofluorobenzene (Surr)	*113*		*76 - 123*		*11/30/18 17:57*	*1*
Toluene-d8 (Surr)	*92*		*77 - 120*		*11/30/18 17:57*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/05/18 08:29	12/10/18 14:51	1
Arsenic	**0.013**	**J**	0.015	0.0056	mg/L		12/05/18 08:29	12/10/18 14:51	1
Beryllium	ND		0.0020	0.00030	mg/L		12/05/18 08:29	12/08/18 12:36	1
Cadmium	ND		0.0020	0.00050	mg/L		12/05/18 08:29	12/08/18 12:36	1
Chromium	ND		0.0040	0.0010	mg/L		12/05/18 08:29	12/08/18 12:36	1
Copper	ND		0.010	0.0016	mg/L		12/05/18 08:29	12/10/18 14:51	1
Lead	**0.0031**	**J**	0.010	0.0030	mg/L		12/05/18 08:29	12/08/18 12:36	1
Nickel	**0.0025**	**J**	0.010	0.0013	mg/L		12/05/18 08:29	12/08/18 12:36	1
Selenium	ND		0.025	0.0087	mg/L		12/05/18 08:29	12/10/18 14:51	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Client Sample ID: MW-6S

Date Collected: 11/26/18 10:30
Date Received: 11/29/18 01:00

Lab Sample ID: 480-145852-7

Matrix: Ground Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		12/05/18 08:29	12/08/18 12:36	1
Thallium	ND		0.020	0.010	mg/L		12/05/18 08:29	12/08/18 12:36	1
Zinc	ND		0.010	0.0015	mg/L		12/05/18 08:29	12/10/18 14:51	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/30/18 11:20	11/30/18 15:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1300**		20.0	8.0	mg/L			11/30/18 09:06	1

Surrogate Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Method: 624 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(77-120)
480-145852-1	MW-8D	98	110	94
480-145852-2	MW-8S	98	112	93
480-145852-3	MW-9D	106	119	99
480-145852-4	MW-9M	95	113	93
480-145852-5	MW-9S	98	112	95
480-145852-6	MW-4S	97	110	91
480-145852-7	MW-6S	97	113	92

Surrogate Legend

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

Method: 624 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(77-120)
LCS 480-448286/5	Lab Control Sample	93	112	95
MB 480-448286/7	Method Blank	103	113	94

Surrogate Legend

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

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-448286/7
Matrix: Water
Analysis Batch: 448286

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		5.0	0.39	ug/L			11/30/18 10:19	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			11/30/18 10:19	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			11/30/18 10:19	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			11/30/18 10:19	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			11/30/18 10:19	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			11/30/18 10:19	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			11/30/18 10:19	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			11/30/18 10:19	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			11/30/18 10:19	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			11/30/18 10:19	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			11/30/18 10:19	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			11/30/18 10:19	1
Acrolein	ND		100	17	ug/L			11/30/18 10:19	1
Acrylonitrile	ND		50	1.9	ug/L			11/30/18 10:19	1
Benzene	ND		5.0	0.60	ug/L			11/30/18 10:19	1
Bromoform	ND		5.0	0.47	ug/L			11/30/18 10:19	1
Bromomethane	ND		5.0	1.2	ug/L			11/30/18 10:19	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			11/30/18 10:19	1
Chlorobenzene	ND		5.0	0.48	ug/L			11/30/18 10:19	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			11/30/18 10:19	1
Chloroethane	ND		5.0	0.87	ug/L			11/30/18 10:19	1
Chloroform	ND		5.0	0.54	ug/L			11/30/18 10:19	1
Chloromethane	ND		5.0	0.64	ug/L			11/30/18 10:19	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			11/30/18 10:19	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			11/30/18 10:19	1
Ethylbenzene	ND		5.0	0.46	ug/L			11/30/18 10:19	1
Methylene Chloride	ND		5.0	0.81	ug/L			11/30/18 10:19	1
Tetrachloroethene	ND		5.0	0.34	ug/L			11/30/18 10:19	1
Toluene	ND		5.0	0.45	ug/L			11/30/18 10:19	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			11/30/18 10:19	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			11/30/18 10:19	1
Trichloroethene	ND		5.0	0.60	ug/L			11/30/18 10:19	1
Vinyl chloride	ND		5.0	0.75	ug/L			11/30/18 10:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*68 - 130*		*11/30/18 10:19*	*1*
4-Bromofluorobenzene (Surr)	*113*		*76 - 123*		*11/30/18 10:19*	*1*
Toluene-d8 (Surr)	*94*		*77 - 120*		*11/30/18 10:19*	*1*

Lab Sample ID: LCS 480-448286/5
Matrix: Water
Analysis Batch: 448286

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	20.0	17.2		ug/L		86	52 - 162
1,1,2,2-Tetrachloroethane	20.0	19.1		ug/L		96	46 - 157
1,1,2-Trichloroethane	20.0	16.9		ug/L		84	52 - 150
1,1-Dichloroethane	20.0	17.2		ug/L		86	59 - 155

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-448286/5
Matrix: Water
Analysis Batch: 448286

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	20.0	17.8		ug/L		89	1 - 234
1,2-Dichlorobenzene	20.0	17.5		ug/L		88	18 - 190
1,2-Dichloroethane	20.0	17.4		ug/L		87	49 - 155
1,2-Dichloropropane	20.0	16.9		ug/L		84	1 - 210
1,3-Dichlorobenzene	20.0	17.5		ug/L		88	59 - 156
1,4-Dichlorobenzene	20.0	17.5		ug/L		87	18 - 190
2-Chloroethyl vinyl ether	20.0	17.4	J	ug/L		87	1 - 305
Benzene	20.0	16.9		ug/L		84	37 - 151
Bromoform	20.0	17.6		ug/L		88	45 - 169
Bromomethane	20.0	15.0		ug/L		75	1 - 242
Carbon tetrachloride	20.0	17.1		ug/L		85	70 - 140
Chlorobenzene	20.0	16.8		ug/L		84	37 - 160
Chlorodibromomethane	20.0	16.3		ug/L		81	53 - 149
Chloroethane	20.0	15.0		ug/L		75	14 - 230
Chloroform	20.0	17.0		ug/L		85	51 - 138
Chloromethane	20.0	15.9		ug/L		79	1 - 273
cis-1,3-Dichloropropene	20.0	16.8		ug/L		84	1 - 227
Dichlorobromomethane	20.0	17.1		ug/L		86	35 - 155
Ethylbenzene	20.0	17.1		ug/L		86	37 - 162
Methylene Chloride	20.0	15.9		ug/L		80	1 - 221
Tetrachloroethene	20.0	16.8		ug/L		84	64 - 148
Toluene	20.0	16.9		ug/L		85	47 - 150
trans-1,2-Dichloroethene	20.0	17.3		ug/L		87	54 - 156
trans-1,3-Dichloropropene	20.0	16.9		ug/L		85	17 - 183
Trichloroethene	20.0	17.4		ug/L		87	71 - 157
Vinyl chloride	20.0	13.8		ug/L		69	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*68 - 130*
4-Bromofluorobenzene (Surr)	*112*		*76 - 123*
Toluene-d8 (Surr)	*95*		*77 - 120*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-448445/1-A
Matrix: Water
Analysis Batch: 449857

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/05/18 08:29	12/08/18 10:32	1
Arsenic	ND		0.015	0.0056	mg/L		12/05/18 08:29	12/08/18 10:32	1
Beryllium	ND		0.0020	0.00030	mg/L		12/05/18 08:29	12/08/18 10:32	1
Cadmium	ND		0.0020	0.00050	mg/L		12/05/18 08:29	12/08/18 10:32	1
Chromium	ND		0.0040	0.0010	mg/L		12/05/18 08:29	12/08/18 10:32	1
Copper	ND		0.010	0.0016	mg/L		12/05/18 08:29	12/08/18 10:32	1
Lead	ND		0.010	0.0030	mg/L		12/05/18 08:29	12/08/18 10:32	1
Nickel	ND		0.010	0.0013	mg/L		12/05/18 08:29	12/08/18 10:32	1
Selenium	ND		0.025	0.0087	mg/L		12/05/18 08:29	12/08/18 10:32	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-448445/1-A
Matrix: Water
Analysis Batch: 449857

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		12/05/18 08:29	12/08/18 10:32	1
Thallium	ND		0.020	0.010	mg/L		12/05/18 08:29	12/08/18 10:32	1
Zinc	ND		0.010	0.0015	mg/L		12/05/18 08:29	12/08/18 10:32	1

Lab Sample ID: LCS 480-448445/2-A
Matrix: Water
Analysis Batch: 449857

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448445

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.200	0.197		mg/L		99	80 - 120
Arsenic	0.200	0.201		mg/L		100	80 - 120
Beryllium	0.200	0.199		mg/L		100	80 - 120
Cadmium	0.200	0.196		mg/L		98	80 - 120
Chromium	0.200	0.196		mg/L		98	80 - 120
Copper	0.200	0.187		mg/L		93	80 - 120
Lead	0.200	0.194		mg/L		97	80 - 120
Nickel	0.200	0.197		mg/L		98	80 - 120
Selenium	0.200	0.202		mg/L		101	80 - 120
Silver	0.0500	0.0469		mg/L		94	80 - 120
Thallium	0.200	0.196		mg/L		98	80 - 120
Zinc	0.200	0.204		mg/L		102	80 - 120

Lab Sample ID: MB 480-448471/1-C
Matrix: Water
Analysis Batch: 449870

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 448688

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/03/18 10:59	12/08/18 14:29	1
Arsenic	ND		0.015	0.0056	mg/L		12/03/18 10:59	12/08/18 14:29	1
Beryllium	ND		0.0020	0.00030	mg/L		12/03/18 10:59	12/08/18 14:29	1
Cadmium	ND		0.0020	0.00050	mg/L		12/03/18 10:59	12/08/18 14:29	1
Chromium	ND		0.0040	0.0010	mg/L		12/03/18 10:59	12/08/18 14:29	1
Copper	ND		0.010	0.0016	mg/L		12/03/18 10:59	12/08/18 14:29	1
Lead	ND		0.010	0.0030	mg/L		12/03/18 10:59	12/08/18 14:29	1
Nickel	0.00146	J	0.010	0.0013	mg/L		12/03/18 10:59	12/08/18 14:29	1
Selenium	ND		0.025	0.0087	mg/L		12/03/18 10:59	12/08/18 14:29	1
Silver	ND		0.0060	0.0017	mg/L		12/03/18 10:59	12/08/18 14:29	1
Thallium	ND		0.020	0.010	mg/L		12/03/18 10:59	12/08/18 14:29	1
Zinc	0.00527	J	0.010	0.0015	mg/L		12/03/18 10:59	12/08/18 14:29	1

Lab Sample ID: LCS 480-448471/2-C
Matrix: Water
Analysis Batch: 449870

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 448688

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.200	0.200		mg/L		100	80 - 120
Arsenic	0.200	0.204		mg/L		102	80 - 120
Beryllium	0.200	0.206		mg/L		103	80 - 120
Cadmium	0.200	0.206		mg/L		103	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-448471/2-C
Matrix: Water
Analysis Batch: 449870

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 448688

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	0.200	0.201		mg/L		100	80 - 120
Copper	0.200	0.195		mg/L		97	80 - 120
Lead	0.200	0.198		mg/L		99	80 - 120
Nickel	0.200	0.207		mg/L		104	80 - 120
Selenium	0.200	0.198		mg/L		99	80 - 120
Silver	0.0500	0.0485		mg/L		97	80 - 120
Thallium	0.200	0.199		mg/L		99	80 - 120
Zinc	0.200	0.213		mg/L		106	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-448216/1-A
Matrix: Water
Analysis Batch: 448469

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448216

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		11/30/18 11:20	11/30/18 14:45	1

Lab Sample ID: LCS 480-448216/2-A
Matrix: Water
Analysis Batch: 448469

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448216

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00687		mg/L		103	80 - 120

Lab Sample ID: MB 480-448471/1-F
Matrix: Water
Analysis Batch: 448800

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 448701

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/03/18 11:55	12/03/18 16:52	1

Lab Sample ID: LCS 480-448471/2-F
Matrix: Water
Analysis Batch: 448800

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 448701

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00705		mg/L		106	80 - 120

Lab Sample ID: 480-145852-2 MS
Matrix: Ground Water
Analysis Batch: 448800

Client Sample ID: MW-8S
Prep Type: Dissolved
Prep Batch: 448701

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00667	0.00710		mg/L		106	80 - 120

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

Lab Sample ID: 480-145852-2 MSD — **Client Sample ID: MW-8S**
Matrix: Ground Water — **Prep Type: Dissolved**
Analysis Batch: 448800 — **Prep Batch: 448701**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00667	0.00707		mg/L		106	80 - 120	0	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 480-448345/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 448345

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			11/30/18 09:06	1

Lab Sample ID: LCS 480-448345/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 448345

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			500	504.0		mg/L		101	85 - 115		

Lab Sample ID: 480-145852-1 DU — **Client Sample ID: MW-8D**
Matrix: Ground Water — **Prep Type: Total/NA**
Analysis Batch: 448345

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	2270			2276		mg/L				0.2	10

QC Association Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

GC/MS VOA

Analysis Batch: 448286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145852-1	MW-8D	Total/NA	Ground Water	624	
480-145852-2	MW-8S	Total/NA	Ground Water	624	
480-145852-3	MW-9D	Total/NA	Ground Water	624	
480-145852-4	MW-9M	Total/NA	Ground Water	624	
480-145852-5	MW-9S	Total/NA	Ground Water	624	
480-145852-6	MW-4S	Total/NA	Ground Water	624	
480-145852-7	MW-6S	Total/NA	Ground Water	624	
MB 480-448286/7	Method Blank	Total/NA	Water	624	
LCS 480-448286/5	Lab Control Sample	Total/NA	Water	624	

Metals

Prep Batch: 448216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145852-1	MW-8D	Total/NA	Ground Water	7470A	
480-145852-2	MW-8S	Total/NA	Ground Water	7470A	
480-145852-3	MW-9D	Total/NA	Ground Water	7470A	
480-145852-4	MW-9M	Total/NA	Ground Water	7470A	
480-145852-5	MW-9S	Total/NA	Ground Water	7470A	
480-145852-6	MW-4S	Total/NA	Ground Water	7470A	
480-145852-7	MW-6S	Total/NA	Ground Water	7470A	
MB 480-448216/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-448216/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 448445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145852-1	MW-8D	Total/NA	Ground Water	3005A	
480-145852-2	MW-8S	Total/NA	Ground Water	3005A	
480-145852-3	MW-9D	Total/NA	Ground Water	3005A	
480-145852-4	MW-9M	Total/NA	Ground Water	3005A	
480-145852-5	MW-9S	Total/NA	Ground Water	3005A	
480-145852-6	MW-4S	Total/NA	Ground Water	3005A	
480-145852-7	MW-6S	Total/NA	Ground Water	3005A	
MB 480-448445/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-448445/2-A	Lab Control Sample	Total/NA	Water	3005A	

Analysis Batch: 448469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145852-1	MW-8D	Total/NA	Ground Water	7470A	448216
480-145852-2	MW-8S	Total/NA	Ground Water	7470A	448216
480-145852-3	MW-9D	Total/NA	Ground Water	7470A	448216
480-145852-4	MW-9M	Total/NA	Ground Water	7470A	448216
480-145852-5	MW-9S	Total/NA	Ground Water	7470A	448216
480-145852-6	MW-4S	Total/NA	Ground Water	7470A	448216
480-145852-7	MW-6S	Total/NA	Ground Water	7470A	448216
MB 480-448216/1-A	Method Blank	Total/NA	Water	7470A	448216
LCS 480-448216/2-A	Lab Control Sample	Total/NA	Water	7470A	448216

Metals (Continued)

Filtration Batch: 448471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145852-2	MW-8S	Dissolved	Ground Water	FILTRATION	
480-145852-3	MW-9D	Dissolved	Ground Water	FILTRATION	
480-145852-6	MW-4S	Dissolved	Ground Water	FILTRATION	
MB 480-448471/1-C	Method Blank	Dissolved	Water	FILTRATION	
MB 480-448471/1-F	Method Blank	Dissolved	Water	FILTRATION	
LCS 480-448471/2-C	Lab Control Sample	Dissolved	Water	FILTRATION	
LCS 480-448471/2-F	Lab Control Sample	Dissolved	Water	FILTRATION	
480-145852-2 MS	MW-8S	Dissolved	Ground Water	FILTRATION	
480-145852-2 MSD	MW-8S	Dissolved	Ground Water	FILTRATION	

Prep Batch: 448688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145852-2	MW-8S	Dissolved	Ground Water	3005A	448471
480-145852-3	MW-9D	Dissolved	Ground Water	3005A	448471
480-145852-6	MW-4S	Dissolved	Ground Water	3005A	448471
MB 480-448471/1-C	Method Blank	Dissolved	Water	3005A	448471
LCS 480-448471/2-C	Lab Control Sample	Dissolved	Water	3005A	448471

Prep Batch: 448701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145852-2	MW-8S	Dissolved	Ground Water	7470A	448471
480-145852-3	MW-9D	Dissolved	Ground Water	7470A	448471
480-145852-6	MW-4S	Dissolved	Ground Water	7470A	448471
MB 480-448471/1-F	Method Blank	Dissolved	Water	7470A	448471
LCS 480-448471/2-F	Lab Control Sample	Dissolved	Water	7470A	448471
480-145852-2 MS	MW-8S	Dissolved	Ground Water	7470A	448471
480-145852-2 MSD	MW-8S	Dissolved	Ground Water	7470A	448471

Analysis Batch: 448800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145852-2	MW-8S	Dissolved	Ground Water	7470A	448701
480-145852-3	MW-9D	Dissolved	Ground Water	7470A	448701
480-145852-6	MW-4S	Dissolved	Ground Water	7470A	448701
MB 480-448471/1-F	Method Blank	Dissolved	Water	7470A	448701
LCS 480-448471/2-F	Lab Control Sample	Dissolved	Water	7470A	448701
480-145852-2 MS	MW-8S	Dissolved	Ground Water	7470A	448701
480-145852-2 MSD	MW-8S	Dissolved	Ground Water	7470A	448701

Analysis Batch: 449857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145852-1	MW-8D	Total/NA	Ground Water	6010C	448445
480-145852-2	MW-8S	Total/NA	Ground Water	6010C	448445
480-145852-3	MW-9D	Total/NA	Ground Water	6010C	448445
480-145852-4	MW-9M	Total/NA	Ground Water	6010C	448445
480-145852-5	MW-9S	Total/NA	Ground Water	6010C	448445
480-145852-6	MW-4S	Total/NA	Ground Water	6010C	448445
480-145852-7	MW-6S	Total/NA	Ground Water	6010C	448445
MB 480-448445/1-A	Method Blank	Total/NA	Water	6010C	448445
LCS 480-448445/2-A	Lab Control Sample	Total/NA	Water	6010C	448445

Metals (Continued)

Analysis Batch: 449870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145852-2	MW-8S	Dissolved	Ground Water	6010C	448688
480-145852-6	MW-4S	Dissolved	Ground Water	6010C	448688
MB 480-448471/1-C	Method Blank	Dissolved	Water	6010C	448688
LCS 480-448471/2-C	Lab Control Sample	Dissolved	Water	6010C	448688

Analysis Batch: 450075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145852-3	MW-9D	Dissolved	Ground Water	6010C	448688

Analysis Batch: 450077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145852-1	MW-8D	Total/NA	Ground Water	6010C	448445
480-145852-2	MW-8S	Total/NA	Ground Water	6010C	448445
480-145852-3	MW-9D	Total/NA	Ground Water	6010C	448445
480-145852-4	MW-9M	Total/NA	Ground Water	6010C	448445
480-145852-5	MW-9S	Total/NA	Ground Water	6010C	448445
480-145852-6	MW-4S	Total/NA	Ground Water	6010C	448445
480-145852-7	MW-6S	Total/NA	Ground Water	6010C	448445

General Chemistry

Analysis Batch: 448345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-145852-1	MW-8D	Total/NA	Ground Water	SM 2540C	
480-145852-2	MW-8S	Total/NA	Ground Water	SM 2540C	
480-145852-3	MW-9D	Total/NA	Ground Water	SM 2540C	
480-145852-4	MW-9M	Total/NA	Ground Water	SM 2540C	
480-145852-5	MW-9S	Total/NA	Ground Water	SM 2540C	
480-145852-6	MW-4S	Total/NA	Ground Water	SM 2540C	
480-145852-7	MW-6S	Total/NA	Ground Water	SM 2540C	
MB 480-448345/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 480-448345/2	Lab Control Sample	Total/NA	Water	SM 2540C	
480-145852-1 DU	MW-8D	Total/NA	Ground Water	SM 2540C	

Lab Chronicle

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Client Sample ID: MW-8D
Date Collected: 11/26/18 11:00
Date Received: 11/29/18 01:00

Lab Sample ID: 480-145852-1
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	448286	11/30/18 15:36	S1V	TAL BUF
Total/NA	Prep	3005A			448445	12/05/18 08:29	VEG	TAL BUF
Total/NA	Analysis	6010C		1	449857	12/08/18 12:08	AMH	TAL BUF
Total/NA	Prep	3005A			448445	12/05/18 08:29	VEG	TAL BUF
Total/NA	Analysis	6010C		1	450077	12/10/18 14:13	AMH	TAL BUF
Total/NA	Prep	7470A			448216	11/30/18 11:20	BMB	TAL BUF
Total/NA	Analysis	7470A		1	448469	11/30/18 14:50	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	448345	11/30/18 09:06	RAF	TAL BUF

Client Sample ID: MW-8S
Date Collected: 11/26/18 11:30
Date Received: 11/29/18 01:00

Lab Sample ID: 480-145852-2
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	448286	11/30/18 16:00	S1V	TAL BUF
Dissolved	Filtration	FILTRATION			448471	11/30/18 16:24	VEG	TAL BUF
Dissolved	Prep	3005A			448688	12/03/18 10:59	VEG	TAL BUF
Dissolved	Analysis	6010C		1	449870	12/08/18 14:54	LMH	TAL BUF
Total/NA	Prep	3005A			448445	12/05/18 08:29	VEG	TAL BUF
Total/NA	Analysis	6010C		1	449857	12/08/18 12:12	AMH	TAL BUF
Total/NA	Prep	3005A			448445	12/05/18 08:29	VEG	TAL BUF
Total/NA	Analysis	6010C		1	450077	12/10/18 14:16	AMH	TAL BUF
Dissolved	Filtration	FILTRATION			448471	11/30/18 16:24	VEG	TAL BUF
Dissolved	Prep	7470A			448701	12/03/18 11:55	BMB	TAL BUF
Dissolved	Analysis	7470A		1	448800	12/03/18 16:54	BMB	TAL BUF
Total/NA	Prep	7470A			448216	11/30/18 11:20	BMB	TAL BUF
Total/NA	Analysis	7470A		1	448469	11/30/18 14:51	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	448345	11/30/18 09:06	RAF	TAL BUF

Client Sample ID: MW-9D
Date Collected: 11/26/18 13:45
Date Received: 11/29/18 01:00

Lab Sample ID: 480-145852-3
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		4	448286	11/30/18 16:24	S1V	TAL BUF
Dissolved	Filtration	FILTRATION			448471	11/30/18 16:24	VEG	TAL BUF
Dissolved	Prep	3005A			448688	12/03/18 10:59	VEG	TAL BUF
Dissolved	Analysis	6010C		10	450075	12/10/18 12:37	LMH	TAL BUF
Total/NA	Prep	3005A			448445	12/05/18 08:29	VEG	TAL BUF
Total/NA	Analysis	6010C		5	449857	12/08/18 12:20	AMH	TAL BUF
Total/NA	Prep	3005A			448445	12/05/18 08:29	VEG	TAL BUF
Total/NA	Analysis	6010C		10	450077	12/10/18 14:20	AMH	TAL BUF
Dissolved	Filtration	FILTRATION			448471	11/30/18 16:24	VEG	TAL BUF

Lab Chronicle

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Client Sample ID: MW-9D
Date Collected: 11/26/18 13:45
Date Received: 11/29/18 01:00

Lab Sample ID: 480-145852-3
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	7470A			448701	12/03/18 11:55	BMB	TAL BUF
Dissolved	Analysis	7470A		1	448800	12/03/18 17:00	BMB	TAL BUF
Total/NA	Prep	7470A			448216	11/30/18 11:20	BMB	TAL BUF
Total/NA	Analysis	7470A		1	448469	11/30/18 14:53	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	448345	11/30/18 09:06	RAF	TAL BUF

Client Sample ID: MW-9M
Date Collected: 11/26/18 13:00
Date Received: 11/29/18 01:00

Lab Sample ID: 480-145852-4
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	448286	11/30/18 16:47	S1V	TAL BUF
Total/NA	Prep	3005A			448445	12/05/18 08:29	VEG	TAL BUF
Total/NA	Analysis	6010C		1	449857	12/08/18 12:24	AMH	TAL BUF
Total/NA	Prep	3005A			448445	12/05/18 08:29	VEG	TAL BUF
Total/NA	Analysis	6010C		1	450077	12/10/18 14:28	AMH	TAL BUF
Total/NA	Prep	7470A			448216	11/30/18 11:20	BMB	TAL BUF
Total/NA	Analysis	7470A		1	448469	11/30/18 14:54	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	448345	11/30/18 09:06	RAF	TAL BUF

Client Sample ID: MW-9S
Date Collected: 11/26/18 13:30
Date Received: 11/29/18 01:00

Lab Sample ID: 480-145852-5
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	448286	11/30/18 17:10	S1V	TAL BUF
Total/NA	Prep	3005A			448445	12/05/18 08:29	VEG	TAL BUF
Total/NA	Analysis	6010C		1	449857	12/08/18 12:28	AMH	TAL BUF
Total/NA	Prep	3005A			448445	12/05/18 08:29	VEG	TAL BUF
Total/NA	Analysis	6010C		1	450077	12/10/18 14:44	AMH	TAL BUF
Total/NA	Prep	7470A			448216	11/30/18 11:20	BMB	TAL BUF
Total/NA	Analysis	7470A		1	448469	11/30/18 14:55	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	448345	11/30/18 09:06	RAF	TAL BUF

Client Sample ID: MW-4S
Date Collected: 11/26/18 15:10
Date Received: 11/29/18 01:00

Lab Sample ID: 480-145852-6
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	448286	11/30/18 17:34	S1V	TAL BUF
Dissolved	Filtration	FILTRATION			448471	11/30/18 16:24	VEG	TAL BUF
Dissolved	Prep	3005A			448688	12/03/18 10:59	VEG	TAL BUF
Dissolved	Analysis	6010C		1	449870	12/08/18 15:13	LMH	TAL BUF

Lab Chronicle

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3005A			448445	12/05/18 08:29	VEG	TAL BUF
Total/NA	Analysis	6010C		1	449857	12/08/18 12:32	AMH	TAL BUF
Total/NA	Prep	3005A			448445	12/05/18 08:29	VEG	TAL BUF
Total/NA	Analysis	6010C		1	450077	12/10/18 14:47	AMH	TAL BUF
Dissolved	Filtration	FILTRATION			448471	11/30/18 16:24	VEG	TAL BUF
Dissolved	Prep	7470A			448701	12/03/18 11:55	BMB	TAL BUF
Dissolved	Analysis	7470A		1	448800	12/03/18 17:03	BMB	TAL BUF
Total/NA	Prep	7470A			448216	11/30/18 11:20	BMB	TAL BUF
Total/NA	Analysis	7470A		1	448469	11/30/18 14:56	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	448345	11/30/18 09:06	RAF	TAL BUF

Client Sample ID: MW-6S

Lab Sample ID: 480-145852-7

Date Collected: 11/26/18 10:30

Matrix: Ground Water

Date Received: 11/29/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	448286	11/30/18 17:57	S1V	TAL BUF
Total/NA	Prep	3005A			448445	12/05/18 08:29	VEG	TAL BUF
Total/NA	Analysis	6010C		1	449857	12/08/18 12:36	AMH	TAL BUF
Total/NA	Prep	3005A			448445	12/05/18 08:29	VEG	TAL BUF
Total/NA	Analysis	6010C		1	450077	12/10/18 14:51	AMH	TAL BUF
Total/NA	Prep	7470A			448216	11/30/18 11:20	BMB	TAL BUF
Total/NA	Analysis	7470A		1	448469	11/30/18 15:00	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	448345	11/30/18 09:06	RAF	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

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 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
624		Ground Water	1,1,1-Trichloroethane
624		Ground Water	1,1,2,2-Tetrachloroethane
624		Ground Water	1,1,2-Trichloroethane
624		Ground Water	1,1-Dichloroethane
624		Ground Water	1,1-Dichloroethene
624		Ground Water	1,2-Dichlorobenzene
624		Ground Water	1,2-Dichloroethane
624		Ground Water	1,2-Dichloroethene, Total
624		Ground Water	1,2-Dichloropropane
624		Ground Water	1,3-Dichlorobenzene
624		Ground Water	1,4-Dichlorobenzene
624		Ground Water	2-Chloroethyl vinyl ether
624		Ground Water	Acrolein
624		Ground Water	Acrylonitrile
624		Ground Water	Benzene
624		Ground Water	Bromoform
624		Ground Water	Bromomethane
624		Ground Water	Carbon tetrachloride
624		Ground Water	Chlorobenzene
624		Ground Water	Chlorodibromomethane
624		Ground Water	Chloroethane
624		Ground Water	Chloroform
624		Ground Water	Chloromethane
624		Ground Water	cis-1,3-Dichloropropene
624		Ground Water	Dichlorobromomethane
624		Ground Water	Ethylbenzene
624		Ground Water	Methylene Chloride
624		Ground Water	Tetrachloroethene
624		Ground Water	Toluene
624		Ground Water	trans-1,2-Dichloroethene
624		Ground Water	trans-1,3-Dichloropropene
624		Ground Water	Trichloroethene
624		Ground Water	Vinyl chloride

Method Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
FILTRATION	Sample Filtration	None	TAL BUF

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

Sample Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-145852-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-145852-1	MW-8D	Ground Water	11/26/18 11:00	11/29/18 01:00
480-145852-2	MW-8S	Ground Water	11/26/18 11:30	11/29/18 01:00
480-145852-3	MW-9D	Ground Water	11/26/18 13:45	11/29/18 01:00
480-145852-4	MW-9M	Ground Water	11/26/18 13:00	11/29/18 01:00
480-145852-5	MW-9S	Ground Water	11/26/18 13:30	11/29/18 01:00
480-145852-6	MW-4S	Ground Water	11/26/18 15:10	11/29/18 01:00
480-145852-7	MW-6S	Ground Water	11/26/18 10:30	11/29/18 01:00

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

Albany #224

Chain of Custody Record

TestAme

480-145852 CO

Client Information	Sampler: Tim Koller	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-120780-17665.1
Client Contact: Michael Moracco	Phone: 413-230-8415	E-Mail: orlette.johnson@testamericainc.com		Page: Page 1 of 2
Company: Town of Dewitt				Job #:
Address: 5400 Butternut Drive	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13057				
Phone:	PO #: Purchase Order not required			
Email: mmoracco@townofdewitt.com	WO #:			
Project Name: Town of Dewitt/ Event Desc: Groundwater - Annual (3)	Project #: 48009871			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

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)	8010C, 7470A	624_5ml - Volatiles	2540C_Calcd - Total Dissolved Solids	6010C, 7470A	DISS metals	PFAS								Total Number of containers	Special Instructions/Note:
				Preservation Code:			D	A	N	N	N	N									
~~MW-6S~~	~~11-26-18~~	~~1030~~	G	Water			X	X	X	X											RECEIVED -6S
MW-8D	11-26-18	1100	G	Water			X	X	X	X											
MW-8S	11-26-18	1130	G	Water			X	X	X	X	X	X									
MW-9D	11-26-18	1345	G	Water			X	X	X	X	X										
MW-9M	11-26-18	1300	G	Water			X	X	X	X		X									
MW-9S	11-26-18	1330	G	Water			X	X	X	X											
~~MW-3S~~				Water																	TOC 11-28-18
MW-4S	11-26-18	1510	G	Water							X	X									
~~MW-4D~~				Water																	
~~MW-1S~~				Water			TOC														
MW-2D				Water			11-28-18														

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Tim Koller	11-28-18 1820	TA	[illegible]	11/29/18 0100	TAB
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: #1 3.0

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: Town of Dewitt

Job Number: 480-145852-1

Login Number: 145852
List Number: 1
Creator: Wallace, Cameron

List Source: 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.	True	
Chlorine Residual checked.	N/A	

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: 480-146019-1
Client Project/Site: Town of Dewitt
Sampling Event: Groundwater - Annual (3)

For:
Town of Dewitt
5400 Butternut Drive
East Syracuse, New York 13057

Attn: C. Manchester

Authorized for release by:
12/21/2018 3:38:19 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@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.

Metals

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.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC 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)

Job ID: 480-146019-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-146019-1

Comments
No additional comments.

Receipt
The samples were received on 12/1/2018 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.5º C and 2.4º C.

GC/MS VOA
Method(s) 624: The preservative used in the sample containers provided is not compatible with the Method 624 analytes requested. The following samples were received preserved with hydrochloric acid: MW-10S (480-146019-1), MW-11D (480-146019-2) and MW-12S (480-146019-3). The requested target analyte list contains 2-Chloroethyl vinyl ether and/or Acrolein, which are acid-labile compounds that degrade in an acidic medium.

Method(s) 624: The following volatiles sample was diluted due to foaming at the time of purging during the original sample analysis: MW-3S (480-146019-7). Elevated reporting limits (RLs) are provided.

Method(s) 624: The preservative used in the sample containers provided is not compatible with the Method 624 analytes requested. The following samples were received preserved with hydrochloric acid: MW-1S (480-146019-4), MW-2D (480-146019-5), MW-2S (480-146019-6), MW-3S (480-146019-7), MW-4D (480-146019-8), MW-5D (480-146019-9), MW-5S (480-146019-10), MW-7S (480-146019-11) and Trip Blank (480-146019-12). The requested target analyte list contains 2-Chloroethyl vinyl ether and/or Acrolein, which are acid-labile compounds that degrade in an acidic medium.

Method(s) 624: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-4D (480-146019-8). Elevated reporting limits (RLs) are provided.

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

Metals
Method(s) 6010C: The following sample was diluted due to the presence of Total Chromium which interferes with Arsenic, Antimony, and Zinc: MW-11D (480-146019-2). Elevated reporting limits (RLs) are provided.

Method(s) 6010C: The Low Level Continuing Calibration Verification, (CCVL 480-450613/38) associated with batch 480-450613, contained Dissolved Zinc above the upper quality control limit. The associated samples were either below the reporting limit (RL) for the affected analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples MW-7S (480-146019-11) was not performed.

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

General Chemistry
Method(s) SM 2540C: Due to the matrix, the initial volume(s) used for the following samples deviated from the standard procedure: MW-1S (480-146019-4), MW-2D (480-146019-5), MW-3S (480-146019-7), MW-4D (480-146019-8), MW-5D (480-146019-9), MW-5S (480-146019-10) and (480-146019-A-10 DU). The reporting limits (RLs) have been adjusted proportionately.

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

Detection Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-10S — Lab Sample ID: 480-146019-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.3	J	5.0	0.60	ug/L	1		624	Total/NA
Chromium	0.011		0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0028	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Lead	0.0032	J	0.010	0.0030	mg/L	1		6010C	Total/NA
Nickel	0.0033	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Zinc	0.042		0.010	0.0015	mg/L	1		6010C	Total/NA
Total Dissolved Solids	1170		10.0	4.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-11D — Lab Sample ID: 480-146019-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.068	J	0.075	0.028	mg/L	5		6010C	Total/NA
Beryllium	0.0042		0.0020	0.00030	mg/L	1		6010C	Total/NA
Cadmium	0.0022		0.0020	0.00050	mg/L	1		6010C	Total/NA
Chromium	14.6		0.020	0.0050	mg/L	5		6010C	Total/NA
Copper	0.32		0.010	0.0016	mg/L	1		6010C	Total/NA
Lead	0.16		0.010	0.0030	mg/L	1		6010C	Total/NA
Nickel	2.7		0.010	0.0013	mg/L	1		6010C	Total/NA
Zinc	0.60		0.050	0.0075	mg/L	5		6010C	Total/NA
Chromium	0.014		0.0040	0.0010	mg/L	1		6010C	Dissolved
Nickel	0.046		0.010	0.0013	mg/L	1		6010C	Dissolved
Zinc	0.0024	J	0.010	0.0015	mg/L	1		6010C	Dissolved
Mercury	0.00030		0.00020	0.00012	mg/L	1		7470A	Total/NA
Total Dissolved Solids	916		10.0	4.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-12S — Lab Sample ID: 480-146019-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.019		0.010	0.0015	mg/L	1		6010C	Total/NA
Total Dissolved Solids	1020		10.0	4.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-1S — Lab Sample ID: 480-146019-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	0.0022	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Total Dissolved Solids	1370		20.0	8.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-2D — Lab Sample ID: 480-146019-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.0075		0.0040	0.0010	mg/L	1		6010C	Total/NA
Nickel	0.0016	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Total Dissolved Solids	2070		20.0	8.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-2S — Lab Sample ID: 480-146019-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	1660		10.0	4.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-3S — Lab Sample ID: 480-146019-7

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-3S (Continued) — Lab Sample ID: 480-146019-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0098	J	0.015	0.0056	mg/L	1		6010C	Total/NA
Chromium	0.0047		0.0040	0.0010	mg/L	1		6010C	Total/NA
Nickel	0.0066	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Zinc	0.0024	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Total Dissolved Solids	1570		20.0	8.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-4D — Lab Sample ID: 480-146019-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	28		5.0	0.60	ug/L	1		624	Total/NA
Vinyl chloride	6.6		5.0	0.75	ug/L	1		624	Total/NA
1,2-Dichloroethene, Total - DL	150		20	6.4	ug/L	2		624	Total/NA
Chromium	0.020		0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0030	J	0.010	0.0016	mg/L	1		6010C	Total/NA
Nickel	0.010		0.010	0.0013	mg/L	1		6010C	Total/NA
Zinc	0.013		0.010	0.0015	mg/L	1		6010C	Total/NA
Total Dissolved Solids	2870		20.0	8.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-5D — Lab Sample ID: 480-146019-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	0.0017	J	0.010	0.0015	mg/L	1		6010C	Total/NA
Total Dissolved Solids	2340		20.0	8.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-5S — Lab Sample ID: 480-146019-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichloroethene, Total	8.3	J	10	3.2	ug/L	1		624	Total/NA
Trichloroethene	0.80	J	5.0	0.60	ug/L	1		624	Total/NA
Arsenic	0.0077	J	0.015	0.0056	mg/L	1		6010C	Total/NA
Cadmium	0.00066	J	0.0020	0.00050	mg/L	1		6010C	Total/NA
Chromium	0.033		0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.0019	J B	0.010	0.0016	mg/L	1		6010C	Total/NA
Lead	0.0050	J	0.010	0.0030	mg/L	1		6010C	Total/NA
Nickel	0.017		0.010	0.0013	mg/L	1		6010C	Total/NA
Zinc	0.018		0.010	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0046	J	0.010	0.0015	mg/L	1		6010C	Dissolved
Total Dissolved Solids	3160		20.0	8.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: MW-7S — Lab Sample ID: 480-146019-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.00052	J	0.0020	0.00050	mg/L	1		6010C	Total/NA
Chromium	0.018		0.0040	0.0010	mg/L	1		6010C	Total/NA
Copper	0.011	B	0.010	0.0016	mg/L	1		6010C	Total/NA
Lead	0.0076	J	0.010	0.0030	mg/L	1		6010C	Total/NA
Nickel	0.0069	J	0.010	0.0013	mg/L	1		6010C	Total/NA
Zinc	0.018		0.010	0.0015	mg/L	1		6010C	Total/NA
Zinc	0.0058	J ^	0.010	0.0015	mg/L	1		6010C	Dissolved
Total Dissolved Solids	949		10.0	4.0	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: Trip Blank **Lab Sample ID: 480-146019-12**

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-10S

Date Collected: 11/29/18 14:00
Date Received: 12/01/18 01:00

Lab Sample ID: 480-146019-1

Matrix: Ground Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			12/04/18 22:27	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/04/18 22:27	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/04/18 22:27	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/04/18 22:27	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/04/18 22:27	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/04/18 22:27	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/04/18 22:27	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/04/18 22:27	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/04/18 22:27	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/04/18 22:27	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			12/04/18 22:27	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			12/04/18 22:27	1
Acrolein	ND		100	17	ug/L			12/04/18 22:27	1
Acrylonitrile	ND		50	1.9	ug/L			12/04/18 22:27	1
Benzene	ND		5.0	0.60	ug/L			12/04/18 22:27	1
Bromoform	ND		5.0	0.47	ug/L			12/04/18 22:27	1
Bromomethane	ND		5.0	1.2	ug/L			12/04/18 22:27	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/04/18 22:27	1
Chlorobenzene	ND		5.0	0.48	ug/L			12/04/18 22:27	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			12/04/18 22:27	1
Chloroethane	ND		5.0	0.87	ug/L			12/04/18 22:27	1
Chloroform	ND		5.0	0.54	ug/L			12/04/18 22:27	1
Chloromethane	ND		5.0	0.64	ug/L			12/04/18 22:27	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/04/18 22:27	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			12/04/18 22:27	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/04/18 22:27	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/04/18 22:27	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/04/18 22:27	1
Toluene	ND		5.0	0.45	ug/L			12/04/18 22:27	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			12/04/18 22:27	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/04/18 22:27	1
Trichloroethene	**1.3**	**J**	5.0	0.60	ug/L			12/04/18 22:27	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/04/18 22:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*68 - 130*		*12/04/18 22:27*	*1*
4-Bromofluorobenzene (Surr)	*94*		*76 - 123*		*12/04/18 22:27*	*1*
Toluene-d8 (Surr)	*95*		*77 - 120*		*12/04/18 22:27*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/06/18 12:54	12/10/18 12:04	1
Arsenic	ND		0.015	0.0056	mg/L		12/06/18 12:54	12/08/18 22:28	1
Beryllium	ND		0.0020	0.00030	mg/L		12/06/18 12:54	12/08/18 22:28	1
Cadmium	ND		0.0020	0.00050	mg/L		12/06/18 12:54	12/08/18 22:28	1
Chromium	**0.011**		0.0040	0.0010	mg/L		12/06/18 12:54	12/08/18 22:28	1
Copper	**0.0028**	**J**	0.010	0.0016	mg/L		12/06/18 12:54	12/10/18 12:04	1
Lead	**0.0032**	**J**	0.010	0.0030	mg/L		12/06/18 12:54	12/08/18 22:28	1
Nickel	**0.0033**	**J**	0.010	0.0013	mg/L		12/06/18 12:54	12/08/18 22:28	1
Selenium	ND		0.025	0.0087	mg/L		12/06/18 12:54	12/08/18 22:28	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-10S

Lab Sample ID: 480-146019-1

Date Collected: 11/29/18 14:00

Matrix: Ground Water

Date Received: 12/01/18 01:00

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		12/06/18 12:54	12/08/18 22:28	1
Thallium	ND		0.020	0.010	mg/L		12/06/18 12:54	12/08/18 22:28	1
Zinc	**0.042**		0.010	0.0015	mg/L		12/06/18 12:54	12/10/18 12:04	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/03/18 11:55	12/03/18 16:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1170**		10.0	4.0	mg/L			12/03/18 10:37	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-11D

Date Collected: 11/29/18 14:40
Date Received: 12/01/18 01:00

Lab Sample ID: 480-146019-2

Matrix: Ground Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			12/04/18 22:51	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/04/18 22:51	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/04/18 22:51	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/04/18 22:51	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/04/18 22:51	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/04/18 22:51	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/04/18 22:51	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/04/18 22:51	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/04/18 22:51	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/04/18 22:51	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			12/04/18 22:51	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			12/04/18 22:51	1
Acrolein	ND		100	17	ug/L			12/04/18 22:51	1
Acrylonitrile	ND		50	1.9	ug/L			12/04/18 22:51	1
Benzene	ND		5.0	0.60	ug/L			12/04/18 22:51	1
Bromoform	ND		5.0	0.47	ug/L			12/04/18 22:51	1
Bromomethane	ND		5.0	1.2	ug/L			12/04/18 22:51	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/04/18 22:51	1
Chlorobenzene	ND		5.0	0.48	ug/L			12/04/18 22:51	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			12/04/18 22:51	1
Chloroethane	ND		5.0	0.87	ug/L			12/04/18 22:51	1
Chloroform	ND		5.0	0.54	ug/L			12/04/18 22:51	1
Chloromethane	ND		5.0	0.64	ug/L			12/04/18 22:51	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/04/18 22:51	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			12/04/18 22:51	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/04/18 22:51	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/04/18 22:51	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/04/18 22:51	1
Toluene	ND		5.0	0.45	ug/L			12/04/18 22:51	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			12/04/18 22:51	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/04/18 22:51	1
Trichloroethene	ND		5.0	0.60	ug/L			12/04/18 22:51	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/04/18 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*68 - 130*		*12/04/18 22:51*	*1*
4-Bromofluorobenzene (Surr)	*93*		*76 - 123*		*12/04/18 22:51*	*1*
Toluene-d8 (Surr)	*94*		*77 - 120*		*12/04/18 22:51*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.10	0.034	mg/L		12/06/18 12:54	12/10/18 12:11	5
Arsenic	**0.068**	**J**	0.075	0.028	mg/L		12/06/18 12:54	12/10/18 12:11	5
Beryllium	**0.0042**		0.0020	0.00030	mg/L		12/06/18 12:54	12/08/18 22:31	1
Cadmium	**0.0022**		0.0020	0.00050	mg/L		12/06/18 12:54	12/08/18 22:31	1
Chromium	**14.6**		0.020	0.0050	mg/L		12/06/18 12:54	12/10/18 12:11	5
Copper	**0.32**		0.010	0.0016	mg/L		12/06/18 12:54	12/10/18 12:07	1
Lead	**0.16**		0.010	0.0030	mg/L		12/06/18 12:54	12/10/18 12:07	1
Nickel	**2.7**		0.010	0.0013	mg/L		12/06/18 12:54	12/08/18 22:31	1
Selenium	ND		0.025	0.0087	mg/L		12/06/18 12:54	12/08/18 22:31	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-11D

Date Collected: 11/29/18 14:40
Date Received: 12/01/18 01:00

Lab Sample ID: 480-146019-2

Matrix: Ground Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		12/06/18 12:54	12/08/18 22:31	1
Thallium	ND		0.020	0.010	mg/L		12/06/18 12:54	12/08/18 22:31	1
Zinc	**0.60**		0.050	0.0075	mg/L		12/06/18 12:54	12/10/18 12:11	5

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/11/18 15:21	12/12/18 20:38	1
Arsenic	ND		0.015	0.0056	mg/L		12/11/18 15:21	12/12/18 20:38	1
Beryllium	ND		0.0020	0.00030	mg/L		12/11/18 15:21	12/12/18 20:38	1
Cadmium	ND		0.0020	0.00050	mg/L		12/11/18 15:21	12/12/18 20:38	1
Chromium	**0.014**		0.0040	0.0010	mg/L		12/11/18 15:21	12/12/18 20:38	1
Copper	ND		0.010	0.0016	mg/L		12/11/18 15:21	12/12/18 20:38	1
Lead	ND		0.010	0.0030	mg/L		12/11/18 15:21	12/12/18 20:38	1
Nickel	**0.046**		0.010	0.0013	mg/L		12/11/18 15:21	12/12/18 20:38	1
Selenium	ND		0.025	0.0087	mg/L		12/11/18 15:21	12/12/18 20:38	1
Silver	ND		0.0060	0.0017	mg/L		12/11/18 15:21	12/12/18 20:38	1
Thallium	ND		0.020	0.010	mg/L		12/11/18 15:21	12/12/18 20:38	1
Zinc	**0.0024**	**J**	0.010	0.0015	mg/L		12/11/18 15:21	12/12/18 20:38	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00030**		0.00020	0.00012	mg/L		12/03/18 11:55	12/03/18 16:22	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/11/18 11:20	12/11/18 14:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**916**		10.0	4.0	mg/L			12/03/18 10:37	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-12S

Date Collected: 11/29/18 13:00
Date Received: 12/01/18 01:00

Lab Sample ID: 480-146019-3

Matrix: Ground Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			12/04/18 23:14	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/04/18 23:14	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/04/18 23:14	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/04/18 23:14	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/04/18 23:14	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/04/18 23:14	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/04/18 23:14	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/04/18 23:14	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/04/18 23:14	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/04/18 23:14	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			12/04/18 23:14	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			12/04/18 23:14	1
Acrolein	ND		100	17	ug/L			12/04/18 23:14	1
Acrylonitrile	ND		50	1.9	ug/L			12/04/18 23:14	1
Benzene	ND		5.0	0.60	ug/L			12/04/18 23:14	1
Bromoform	ND		5.0	0.47	ug/L			12/04/18 23:14	1
Bromomethane	ND		5.0	1.2	ug/L			12/04/18 23:14	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/04/18 23:14	1
Chlorobenzene	ND		5.0	0.48	ug/L			12/04/18 23:14	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			12/04/18 23:14	1
Chloroethane	ND		5.0	0.87	ug/L			12/04/18 23:14	1
Chloroform	ND		5.0	0.54	ug/L			12/04/18 23:14	1
Chloromethane	ND		5.0	0.64	ug/L			12/04/18 23:14	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/04/18 23:14	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			12/04/18 23:14	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/04/18 23:14	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/04/18 23:14	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/04/18 23:14	1
Toluene	ND		5.0	0.45	ug/L			12/04/18 23:14	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			12/04/18 23:14	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/04/18 23:14	1
Trichloroethene	ND		5.0	0.60	ug/L			12/04/18 23:14	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/04/18 23:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*68 - 130*		*12/04/18 23:14*	*1*
4-Bromofluorobenzene (Surr)	*93*		*76 - 123*		*12/04/18 23:14*	*1*
Toluene-d8 (Surr)	*94*		*77 - 120*		*12/04/18 23:14*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/04/18 09:38	12/06/18 22:40	1
Arsenic	ND		0.015	0.0056	mg/L		12/04/18 09:38	12/06/18 22:40	1
Beryllium	ND		0.0020	0.00030	mg/L		12/04/18 09:38	12/06/18 22:40	1
Cadmium	ND		0.0020	0.00050	mg/L		12/04/18 09:38	12/06/18 22:40	1
Chromium	ND		0.0040	0.0010	mg/L		12/04/18 09:38	12/06/18 22:40	1
Copper	ND		0.010	0.0016	mg/L		12/04/18 09:38	12/06/18 22:40	1
Lead	ND		0.010	0.0030	mg/L		12/04/18 09:38	12/06/18 22:40	1
Nickel	ND		0.010	0.0013	mg/L		12/04/18 09:38	12/06/18 22:40	1
Selenium	ND		0.025	0.0087	mg/L		12/04/18 09:38	12/06/18 22:40	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-12S

Lab Sample ID: 480-146019-3

Date Collected: 11/29/18 13:00

Matrix: Ground Water

Date Received: 12/01/18 01:00

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		12/04/18 09:38	12/06/18 22:40	1
Thallium	ND		0.020	0.010	mg/L		12/04/18 09:38	12/06/18 22:40	1
Zinc	**0.019**		0.010	0.0015	mg/L		12/04/18 09:38	12/06/18 22:40	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/03/18 11:55	12/03/18 16:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1020**		10.0	4.0	mg/L			12/03/18 10:37	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-1S

Date Collected: 11/29/18 15:20
Date Received: 12/01/18 01:00

Lab Sample ID: 480-146019-4

Matrix: Ground Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			12/05/18 15:50	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/05/18 15:50	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/05/18 15:50	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/05/18 15:50	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/05/18 15:50	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/05/18 15:50	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/05/18 15:50	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/05/18 15:50	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/05/18 15:50	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/05/18 15:50	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			12/05/18 15:50	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			12/05/18 15:50	1
Acrolein	ND		100	17	ug/L			12/05/18 15:50	1
Acrylonitrile	ND		50	1.9	ug/L			12/05/18 15:50	1
Benzene	ND		5.0	0.60	ug/L			12/05/18 15:50	1
Bromoform	ND		5.0	0.47	ug/L			12/05/18 15:50	1
Bromomethane	ND		5.0	1.2	ug/L			12/05/18 15:50	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/05/18 15:50	1
Chlorobenzene	ND		5.0	0.48	ug/L			12/05/18 15:50	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			12/05/18 15:50	1
Chloroethane	ND		5.0	0.87	ug/L			12/05/18 15:50	1
Chloroform	ND		5.0	0.54	ug/L			12/05/18 15:50	1
Chloromethane	ND		5.0	0.64	ug/L			12/05/18 15:50	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/05/18 15:50	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			12/05/18 15:50	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/05/18 15:50	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/05/18 15:50	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/05/18 15:50	1
Toluene	ND		5.0	0.45	ug/L			12/05/18 15:50	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			12/05/18 15:50	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/05/18 15:50	1
Trichloroethene	ND		5.0	0.60	ug/L			12/05/18 15:50	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/05/18 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*68 - 130*		*12/05/18 15:50*	*1*
4-Bromofluorobenzene (Surr)	*96*		*76 - 123*		*12/05/18 15:50*	*1*
Toluene-d8 (Surr)	*93*		*77 - 120*		*12/05/18 15:50*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/04/18 09:38	12/06/18 22:44	1
Arsenic	ND		0.015	0.0056	mg/L		12/04/18 09:38	12/06/18 22:44	1
Beryllium	ND		0.0020	0.00030	mg/L		12/04/18 09:38	12/06/18 22:44	1
Cadmium	ND		0.0020	0.00050	mg/L		12/04/18 09:38	12/06/18 22:44	1
Chromium	ND		0.0040	0.0010	mg/L		12/04/18 09:38	12/06/18 22:44	1
Copper	ND		0.010	0.0016	mg/L		12/04/18 09:38	12/06/18 22:44	1
Lead	ND		0.010	0.0030	mg/L		12/04/18 09:38	12/06/18 22:44	1
Nickel	**0.0022**	**J**	0.010	0.0013	mg/L		12/04/18 09:38	12/06/18 22:44	1
Selenium	ND		0.025	0.0087	mg/L		12/04/18 09:38	12/06/18 22:44	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-1S

Lab Sample ID: 480-146019-4

Date Collected: 11/29/18 15:20
Matrix: Ground Water
Date Received: 12/01/18 01:00

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		12/04/18 09:38	12/06/18 22:44	1
Thallium	ND		0.020	0.010	mg/L		12/04/18 09:38	12/06/18 22:44	1
Zinc	ND		0.010	0.0015	mg/L		12/04/18 09:38	12/06/18 22:44	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/03/18 11:55	12/03/18 16:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1370**		20.0	8.0	mg/L			12/03/18 10:37	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-2D

Date Collected: 11/29/18 12:15
Date Received: 12/01/18 01:00

Lab Sample ID: 480-146019-5

Matrix: Ground Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			12/05/18 16:14	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/05/18 16:14	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/05/18 16:14	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/05/18 16:14	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/05/18 16:14	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/05/18 16:14	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/05/18 16:14	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/05/18 16:14	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/05/18 16:14	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/05/18 16:14	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			12/05/18 16:14	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			12/05/18 16:14	1
Acrolein	ND		100	17	ug/L			12/05/18 16:14	1
Acrylonitrile	ND		50	1.9	ug/L			12/05/18 16:14	1
Benzene	ND		5.0	0.60	ug/L			12/05/18 16:14	1
Bromoform	ND		5.0	0.47	ug/L			12/05/18 16:14	1
Bromomethane	ND		5.0	1.2	ug/L			12/05/18 16:14	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/05/18 16:14	1
Chlorobenzene	ND		5.0	0.48	ug/L			12/05/18 16:14	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			12/05/18 16:14	1
Chloroethane	ND		5.0	0.87	ug/L			12/05/18 16:14	1
Chloroform	ND		5.0	0.54	ug/L			12/05/18 16:14	1
Chloromethane	ND		5.0	0.64	ug/L			12/05/18 16:14	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/05/18 16:14	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			12/05/18 16:14	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/05/18 16:14	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/05/18 16:14	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/05/18 16:14	1
Toluene	ND		5.0	0.45	ug/L			12/05/18 16:14	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			12/05/18 16:14	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/05/18 16:14	1
Trichloroethene	ND		5.0	0.60	ug/L			12/05/18 16:14	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/05/18 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*68 - 130*		*12/05/18 16:14*	*1*
4-Bromofluorobenzene (Surr)	*92*		*76 - 123*		*12/05/18 16:14*	*1*
Toluene-d8 (Surr)	*97*		*77 - 120*		*12/05/18 16:14*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/04/18 09:38	12/06/18 22:47	1
Arsenic	ND		0.015	0.0056	mg/L		12/04/18 09:38	12/06/18 22:47	1
Beryllium	ND		0.0020	0.00030	mg/L		12/04/18 09:38	12/06/18 22:47	1
Cadmium	ND		0.0020	0.00050	mg/L		12/04/18 09:38	12/06/18 22:47	1
Chromium	**0.0075**		0.0040	0.0010	mg/L		12/04/18 09:38	12/06/18 22:47	1
Copper	ND		0.010	0.0016	mg/L		12/04/18 09:38	12/06/18 22:47	1
Lead	ND		0.010	0.0030	mg/L		12/04/18 09:38	12/06/18 22:47	1
Nickel	**0.0016**	**J**	0.010	0.0013	mg/L		12/04/18 09:38	12/06/18 22:47	1
Selenium	ND		0.025	0.0087	mg/L		12/04/18 09:38	12/06/18 22:47	1

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-2D

Lab Sample ID: 480-146019-5

Date Collected: 11/29/18 12:15
Matrix: Ground Water
Date Received: 12/01/18 01:00

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		12/04/18 09:38	12/06/18 22:47	1
Thallium	ND		0.020	0.010	mg/L		12/04/18 09:38	12/06/18 22:47	1
Zinc	ND		0.010	0.0015	mg/L		12/04/18 09:38	12/06/18 22:47	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/03/18 11:55	12/03/18 16:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2070**		20.0	8.0	mg/L			12/03/18 10:37	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-2S

Date Collected: 11/29/18 12:00
Date Received: 12/01/18 01:00

Lab Sample ID: 480-146019-6

Matrix: Ground Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			12/05/18 16:37	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/05/18 16:37	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/05/18 16:37	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/05/18 16:37	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/05/18 16:37	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/05/18 16:37	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/05/18 16:37	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/05/18 16:37	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/05/18 16:37	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/05/18 16:37	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			12/05/18 16:37	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			12/05/18 16:37	1
Acrolein	ND		100	17	ug/L			12/05/18 16:37	1
Acrylonitrile	ND		50	1.9	ug/L			12/05/18 16:37	1
Benzene	ND		5.0	0.60	ug/L			12/05/18 16:37	1
Bromoform	ND		5.0	0.47	ug/L			12/05/18 16:37	1
Bromomethane	ND		5.0	1.2	ug/L			12/05/18 16:37	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/05/18 16:37	1
Chlorobenzene	ND		5.0	0.48	ug/L			12/05/18 16:37	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			12/05/18 16:37	1
Chloroethane	ND		5.0	0.87	ug/L			12/05/18 16:37	1
Chloroform	ND		5.0	0.54	ug/L			12/05/18 16:37	1
Chloromethane	ND		5.0	0.64	ug/L			12/05/18 16:37	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/05/18 16:37	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			12/05/18 16:37	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/05/18 16:37	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/05/18 16:37	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/05/18 16:37	1
Toluene	ND		5.0	0.45	ug/L			12/05/18 16:37	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			12/05/18 16:37	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/05/18 16:37	1
Trichloroethene	ND		5.0	0.60	ug/L			12/05/18 16:37	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/05/18 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*68 - 130*		*12/05/18 16:37*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 123*		*12/05/18 16:37*	*1*
Toluene-d8 (Surr)	*97*		*77 - 120*		*12/05/18 16:37*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/04/18 09:38	12/06/18 22:51	1
Arsenic	ND		0.015	0.0056	mg/L		12/04/18 09:38	12/06/18 22:51	1
Beryllium	ND		0.0020	0.00030	mg/L		12/04/18 09:38	12/06/18 22:51	1
Cadmium	ND		0.0020	0.00050	mg/L		12/04/18 09:38	12/06/18 22:51	1
Chromium	ND		0.0040	0.0010	mg/L		12/04/18 09:38	12/06/18 22:51	1
Copper	ND		0.010	0.0016	mg/L		12/04/18 09:38	12/06/18 22:51	1
Lead	ND		0.010	0.0030	mg/L		12/04/18 09:38	12/06/18 22:51	1
Nickel	ND		0.010	0.0013	mg/L		12/04/18 09:38	12/06/18 22:51	1
Selenium	ND		0.025	0.0087	mg/L		12/04/18 09:38	12/06/18 22:51	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-2S

Lab Sample ID: 480-146019-6

Date Collected: 11/29/18 12:00
Date Received: 12/01/18 01:00

Matrix: Ground Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		12/04/18 09:38	12/06/18 22:51	1
Thallium	ND		0.020	0.010	mg/L		12/04/18 09:38	12/06/18 22:51	1
Zinc	ND		0.010	0.0015	mg/L		12/04/18 09:38	12/06/18 22:51	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/03/18 11:55	12/03/18 16:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1660**		10.0	4.0	mg/L			12/03/18 10:37	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-3S

Date Collected: 11/29/18 09:45
Date Received: 12/01/18 01:00

Lab Sample ID: 480-146019-7

Matrix: Ground Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	0.77	ug/L			12/05/18 17:01	2
1,1,2,2-Tetrachloroethane	ND		10	0.52	ug/L			12/05/18 17:01	2
1,1,2-Trichloroethane	ND		10	0.96	ug/L			12/05/18 17:01	2
1,1-Dichloroethane	ND		10	1.2	ug/L			12/05/18 17:01	2
1,1-Dichloroethene	ND		10	1.7	ug/L			12/05/18 17:01	2
1,2-Dichlorobenzene	ND		10	0.89	ug/L			12/05/18 17:01	2
1,2-Dichloroethane	ND		10	1.2	ug/L			12/05/18 17:01	2
1,2-Dichloroethene, Total	ND		20	6.4	ug/L			12/05/18 17:01	2
1,2-Dichloropropane	ND		10	1.2	ug/L			12/05/18 17:01	2
1,3-Dichlorobenzene	ND		10	1.1	ug/L			12/05/18 17:01	2
1,4-Dichlorobenzene	ND		10	1.0	ug/L			12/05/18 17:01	2
2-Chloroethyl vinyl ether	ND		50	3.7	ug/L			12/05/18 17:01	2
Acrolein	ND		200	35	ug/L			12/05/18 17:01	2
Acrylonitrile	ND		100	3.8	ug/L			12/05/18 17:01	2
Benzene	ND		10	1.2	ug/L			12/05/18 17:01	2
Bromoform	ND		10	0.94	ug/L			12/05/18 17:01	2
Bromomethane	ND		10	2.4	ug/L			12/05/18 17:01	2
Carbon tetrachloride	ND		10	1.0	ug/L			12/05/18 17:01	2
Chlorobenzene	ND		10	0.95	ug/L			12/05/18 17:01	2
Chlorodibromomethane	ND		10	0.83	ug/L			12/05/18 17:01	2
Chloroethane	ND		10	1.7	ug/L			12/05/18 17:01	2
Chloroform	ND		10	1.1	ug/L			12/05/18 17:01	2
Chloromethane	ND		10	1.3	ug/L			12/05/18 17:01	2
cis-1,3-Dichloropropene	ND		10	0.66	ug/L			12/05/18 17:01	2
Dichlorobromomethane	ND		10	1.1	ug/L			12/05/18 17:01	2
Ethylbenzene	ND		10	0.93	ug/L			12/05/18 17:01	2
Methylene Chloride	ND		10	1.6	ug/L			12/05/18 17:01	2
Tetrachloroethene	ND		10	0.68	ug/L			12/05/18 17:01	2
Toluene	ND		10	0.91	ug/L			12/05/18 17:01	2
trans-1,2-Dichloroethene	ND		10	1.2	ug/L			12/05/18 17:01	2
trans-1,3-Dichloropropene	ND		10	0.88	ug/L			12/05/18 17:01	2
Trichloroethene	ND		10	1.2	ug/L			12/05/18 17:01	2
Vinyl chloride	ND		10	1.5	ug/L			12/05/18 17:01	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*68 - 130*		*12/05/18 17:01*	*2*
4-Bromofluorobenzene (Surr)	*95*		*76 - 123*		*12/05/18 17:01*	*2*
Toluene-d8 (Surr)	*95*		*77 - 120*		*12/05/18 17:01*	*2*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/04/18 09:38	12/06/18 23:07	1
Arsenic	**0.0098**	**J**	0.015	0.0056	mg/L		12/04/18 09:38	12/06/18 23:07	1
Beryllium	ND		0.0020	0.00030	mg/L		12/04/18 09:38	12/06/18 23:07	1
Cadmium	ND		0.0020	0.00050	mg/L		12/04/18 09:38	12/06/18 23:07	1
Chromium	**0.0047**		0.0040	0.0010	mg/L		12/04/18 09:38	12/06/18 23:07	1
Copper	ND		0.010	0.0016	mg/L		12/04/18 09:38	12/06/18 23:07	1
Lead	ND		0.010	0.0030	mg/L		12/04/18 09:38	12/06/18 23:07	1
Nickel	**0.0066**	**J**	0.010	0.0013	mg/L		12/04/18 09:38	12/06/18 23:07	1
Selenium	ND		0.025	0.0087	mg/L		12/04/18 09:38	12/06/18 23:07	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-3S

Lab Sample ID: 480-146019-7

Date Collected: 11/29/18 09:45
Matrix: Ground Water
Date Received: 12/01/18 01:00

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		12/04/18 09:38	12/06/18 23:07	1
Thallium	ND		0.020	0.010	mg/L		12/04/18 09:38	12/06/18 23:07	1
Zinc	**0.0024**	**J**	0.010	0.0015	mg/L		12/04/18 09:38	12/06/18 23:07	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/03/18 11:55	12/03/18 16:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1570**		20.0	8.0	mg/L			12/03/18 10:37	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-4D

Date Collected: 11/29/18 10:15
Date Received: 12/01/18 01:00

Lab Sample ID: 480-146019-8

Matrix: Ground Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			12/05/18 17:25	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/05/18 17:25	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/05/18 17:25	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/05/18 17:25	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/05/18 17:25	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/05/18 17:25	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/05/18 17:25	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/05/18 17:25	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/05/18 17:25	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			12/05/18 17:25	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			12/05/18 17:25	1
Acrolein	ND		100	17	ug/L			12/05/18 17:25	1
Acrylonitrile	ND		50	1.9	ug/L			12/05/18 17:25	1
Benzene	ND		5.0	0.60	ug/L			12/05/18 17:25	1
Bromoform	ND		5.0	0.47	ug/L			12/05/18 17:25	1
Bromomethane	ND		5.0	1.2	ug/L			12/05/18 17:25	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/05/18 17:25	1
Chlorobenzene	ND		5.0	0.48	ug/L			12/05/18 17:25	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			12/05/18 17:25	1
Chloroethane	ND		5.0	0.87	ug/L			12/05/18 17:25	1
Chloroform	ND		5.0	0.54	ug/L			12/05/18 17:25	1
Chloromethane	ND		5.0	0.64	ug/L			12/05/18 17:25	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/05/18 17:25	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			12/05/18 17:25	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/05/18 17:25	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/05/18 17:25	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/05/18 17:25	1
Toluene	ND		5.0	0.45	ug/L			12/05/18 17:25	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/05/18 17:25	1
Trichloroethene	**28**		5.0	0.60	ug/L			12/05/18 17:25	1
Vinyl chloride	**6.6**		5.0	0.75	ug/L			12/05/18 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*68 - 130*		*12/05/18 17:25*	*1*
4-Bromofluorobenzene (Surr)	*94*		*76 - 123*		*12/05/18 17:25*	*1*
Toluene-d8 (Surr)	*91*		*77 - 120*		*12/05/18 17:25*	*1*

Method: 624 - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethene, Total	**150**		20	6.4	ug/L			12/10/18 11:37	2
trans-1,2-Dichloroethene	ND		10	1.2	ug/L			12/10/18 11:37	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 130*		*12/10/18 11:37*	*2*
4-Bromofluorobenzene (Surr)	*105*		*76 - 123*		*12/10/18 11:37*	*2*
Toluene-d8 (Surr)	*102*		*77 - 120*		*12/10/18 11:37*	*2*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/04/18 09:38	12/06/18 23:11	1

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-4D

Date Collected: 11/29/18 10:15
Date Received: 12/01/18 01:00

Lab Sample ID: 480-146019-8

Matrix: Ground Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		12/04/18 09:38	12/06/18 23:11	1
Beryllium	ND		0.0020	0.00030	mg/L		12/04/18 09:38	12/06/18 23:11	1
Cadmium	ND		0.0020	0.00050	mg/L		12/04/18 09:38	12/06/18 23:11	1
Chromium	**0.020**		0.0040	0.0010	mg/L		12/04/18 09:38	12/06/18 23:11	1
Copper	**0.0030**	**J**	0.010	0.0016	mg/L		12/04/18 09:38	12/06/18 23:11	1
Lead	ND		0.010	0.0030	mg/L		12/04/18 09:38	12/06/18 23:11	1
Nickel	**0.010**		0.010	0.0013	mg/L		12/04/18 09:38	12/06/18 23:11	1
Selenium	ND		0.025	0.0087	mg/L		12/04/18 09:38	12/06/18 23:11	1
Silver	ND		0.0060	0.0017	mg/L		12/04/18 09:38	12/06/18 23:11	1
Thallium	ND		0.020	0.010	mg/L		12/04/18 09:38	12/06/18 23:11	1
Zinc	**0.013**		0.010	0.0015	mg/L		12/04/18 09:38	12/06/18 23:11	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/03/18 11:55	12/03/18 16:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2870**		20.0	8.0	mg/L			12/03/18 10:37	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-5D

Date Collected: 11/29/18 10:55
Date Received: 12/01/18 01:00

Lab Sample ID: 480-146019-9

Matrix: Ground Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			12/05/18 17:48	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/05/18 17:48	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/05/18 17:48	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/05/18 17:48	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/05/18 17:48	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/05/18 17:48	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/05/18 17:48	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/05/18 17:48	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/05/18 17:48	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/05/18 17:48	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			12/05/18 17:48	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			12/05/18 17:48	1
Acrolein	ND		100	17	ug/L			12/05/18 17:48	1
Acrylonitrile	ND		50	1.9	ug/L			12/05/18 17:48	1
Benzene	ND		5.0	0.60	ug/L			12/05/18 17:48	1
Bromoform	ND		5.0	0.47	ug/L			12/05/18 17:48	1
Bromomethane	ND		5.0	1.2	ug/L			12/05/18 17:48	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/05/18 17:48	1
Chlorobenzene	ND		5.0	0.48	ug/L			12/05/18 17:48	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			12/05/18 17:48	1
Chloroethane	ND		5.0	0.87	ug/L			12/05/18 17:48	1
Chloroform	ND		5.0	0.54	ug/L			12/05/18 17:48	1
Chloromethane	ND		5.0	0.64	ug/L			12/05/18 17:48	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/05/18 17:48	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			12/05/18 17:48	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/05/18 17:48	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/05/18 17:48	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/05/18 17:48	1
Toluene	ND		5.0	0.45	ug/L			12/05/18 17:48	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			12/05/18 17:48	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/05/18 17:48	1
Trichloroethene	ND		5.0	0.60	ug/L			12/05/18 17:48	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/05/18 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*68 - 130*		*12/05/18 17:48*	*1*
4-Bromofluorobenzene (Surr)	*94*		*76 - 123*		*12/05/18 17:48*	*1*
Toluene-d8 (Surr)	*96*		*77 - 120*		*12/05/18 17:48*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/06/18 12:55	12/11/18 18:16	1
Arsenic	ND		0.015	0.0056	mg/L		12/06/18 12:55	12/11/18 18:16	1
Beryllium	ND		0.0020	0.00030	mg/L		12/06/18 12:55	12/11/18 18:16	1
Cadmium	ND		0.0020	0.00050	mg/L		12/06/18 12:55	12/11/18 18:16	1
Chromium	ND		0.0040	0.0010	mg/L		12/06/18 12:55	12/11/18 18:16	1
Copper	ND		0.010	0.0016	mg/L		12/06/18 12:55	12/11/18 18:16	1
Lead	ND		0.010	0.0030	mg/L		12/06/18 12:55	12/11/18 18:16	1
Nickel	ND		0.010	0.0013	mg/L		12/06/18 12:55	12/11/18 18:16	1
Selenium	ND		0.025	0.0087	mg/L		12/06/18 12:55	12/11/18 18:16	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-5D

Lab Sample ID: 480-146019-9

Date Collected: 11/29/18 10:55
Matrix: Ground Water
Date Received: 12/01/18 01:00

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		12/06/18 12:55	12/11/18 18:16	1
Thallium	ND		0.020	0.010	mg/L		12/06/18 12:55	12/11/18 18:16	1
Zinc	**0.0017**	**J**	0.010	0.0015	mg/L		12/06/18 12:55	12/11/18 18:16	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/03/18 11:55	12/03/18 16:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**2340**		20.0	8.0	mg/L			12/03/18 10:37	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-5S

Date Collected: 11/29/18 10:40
Date Received: 12/01/18 01:00

Lab Sample ID: 480-146019-10

Matrix: Ground Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			12/05/18 18:12	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/05/18 18:12	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/05/18 18:12	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/05/18 18:12	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/05/18 18:12	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/05/18 18:12	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/05/18 18:12	1
1,2-Dichloroethene, Total	**8.3**	**J**	10	3.2	ug/L			12/05/18 18:12	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/05/18 18:12	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/05/18 18:12	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			12/05/18 18:12	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			12/05/18 18:12	1
Acrolein	ND		100	17	ug/L			12/05/18 18:12	1
Acrylonitrile	ND		50	1.9	ug/L			12/05/18 18:12	1
Benzene	ND		5.0	0.60	ug/L			12/05/18 18:12	1
Bromoform	ND		5.0	0.47	ug/L			12/05/18 18:12	1
Bromomethane	ND		5.0	1.2	ug/L			12/05/18 18:12	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/05/18 18:12	1
Chlorobenzene	ND		5.0	0.48	ug/L			12/05/18 18:12	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			12/05/18 18:12	1
Chloroethane	ND		5.0	0.87	ug/L			12/05/18 18:12	1
Chloroform	ND		5.0	0.54	ug/L			12/05/18 18:12	1
Chloromethane	ND		5.0	0.64	ug/L			12/05/18 18:12	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/05/18 18:12	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			12/05/18 18:12	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/05/18 18:12	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/05/18 18:12	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/05/18 18:12	1
Toluene	ND		5.0	0.45	ug/L			12/05/18 18:12	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			12/05/18 18:12	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/05/18 18:12	1
Trichloroethene	**0.80**	**J**	5.0	0.60	ug/L			12/05/18 18:12	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/05/18 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*68 - 130*		*12/05/18 18:12*	*1*
4-Bromofluorobenzene (Surr)	*92*		*76 - 123*		*12/05/18 18:12*	*1*
Toluene-d8 (Surr)	*94*		*77 - 120*		*12/05/18 18:12*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/06/18 12:55	12/11/18 18:20	1
Arsenic	**0.0077**	**J**	0.015	0.0056	mg/L		12/06/18 12:55	12/11/18 18:20	1
Beryllium	ND		0.0020	0.00030	mg/L		12/06/18 12:55	12/11/18 18:20	1
Cadmium	**0.00066**	**J**	0.0020	0.00050	mg/L		12/06/18 12:55	12/11/18 18:20	1
Chromium	**0.033**		0.0040	0.0010	mg/L		12/06/18 12:55	12/11/18 18:20	1
Copper	**0.0019**	**J B**	0.010	0.0016	mg/L		12/06/18 12:55	12/11/18 18:20	1
Lead	**0.0050**	**J**	0.010	0.0030	mg/L		12/06/18 12:55	12/11/18 18:20	1
Nickel	**0.017**		0.010	0.0013	mg/L		12/06/18 12:55	12/11/18 18:20	1
Selenium	ND		0.025	0.0087	mg/L		12/06/18 12:55	12/11/18 18:20	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-5S

Date Collected: 11/29/18 10:40
Date Received: 12/01/18 01:00

Lab Sample ID: 480-146019-10

Matrix: Ground Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		12/06/18 12:55	12/11/18 18:20	1
Thallium	ND		0.020	0.010	mg/L		12/06/18 12:55	12/11/18 18:20	1
Zinc	**0.018**		0.010	0.0015	mg/L		12/06/18 12:55	12/11/18 18:20	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/11/18 15:21	12/12/18 20:42	1
Arsenic	ND		0.015	0.0056	mg/L		12/11/18 15:21	12/12/18 20:42	1
Beryllium	ND		0.0020	0.00030	mg/L		12/11/18 15:21	12/12/18 20:42	1
Cadmium	ND		0.0020	0.00050	mg/L		12/11/18 15:21	12/12/18 20:42	1
Chromium	ND		0.0040	0.0010	mg/L		12/11/18 15:21	12/12/18 20:42	1
Copper	ND		0.010	0.0016	mg/L		12/11/18 15:21	12/12/18 20:42	1
Lead	ND		0.010	0.0030	mg/L		12/11/18 15:21	12/12/18 20:42	1
Nickel	ND		0.010	0.0013	mg/L		12/11/18 15:21	12/12/18 20:42	1
Selenium	ND		0.025	0.0087	mg/L		12/11/18 15:21	12/12/18 20:42	1
Silver	ND		0.0060	0.0017	mg/L		12/11/18 15:21	12/12/18 20:42	1
Thallium	ND		0.020	0.010	mg/L		12/11/18 15:21	12/12/18 20:42	1
Zinc	**0.0046**	**J**	0.010	0.0015	mg/L		12/11/18 15:21	12/12/18 20:42	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/03/18 11:55	12/03/18 16:41	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/11/18 11:20	12/11/18 15:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**3160**		20.0	8.0	mg/L			12/03/18 10:37	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-7S

Date Collected: 11/29/18 13:40
Date Received: 12/01/18 01:00

Lab Sample ID: 480-146019-11

Matrix: Ground Water

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			12/05/18 18:35	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/05/18 18:35	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/05/18 18:35	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/05/18 18:35	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/05/18 18:35	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/05/18 18:35	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/05/18 18:35	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/05/18 18:35	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/05/18 18:35	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/05/18 18:35	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			12/05/18 18:35	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			12/05/18 18:35	1
Acrolein	ND		100	17	ug/L			12/05/18 18:35	1
Acrylonitrile	ND		50	1.9	ug/L			12/05/18 18:35	1
Benzene	ND		5.0	0.60	ug/L			12/05/18 18:35	1
Bromoform	ND		5.0	0.47	ug/L			12/05/18 18:35	1
Bromomethane	ND		5.0	1.2	ug/L			12/05/18 18:35	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/05/18 18:35	1
Chlorobenzene	ND		5.0	0.48	ug/L			12/05/18 18:35	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			12/05/18 18:35	1
Chloroethane	ND		5.0	0.87	ug/L			12/05/18 18:35	1
Chloroform	ND		5.0	0.54	ug/L			12/05/18 18:35	1
Chloromethane	ND		5.0	0.64	ug/L			12/05/18 18:35	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/05/18 18:35	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			12/05/18 18:35	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/05/18 18:35	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/05/18 18:35	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/05/18 18:35	1
Toluene	ND		5.0	0.45	ug/L			12/05/18 18:35	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			12/05/18 18:35	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/05/18 18:35	1
Trichloroethene	ND		5.0	0.60	ug/L			12/05/18 18:35	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/05/18 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 130*		*12/05/18 18:35*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*		*12/05/18 18:35*	*1*
Toluene-d8 (Surr)	*99*		*77 - 120*		*12/05/18 18:35*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/06/18 12:55	12/11/18 18:24	1
Arsenic	ND		0.015	0.0056	mg/L		12/06/18 12:55	12/11/18 18:24	1
Beryllium	ND		0.0020	0.00030	mg/L		12/06/18 12:55	12/11/18 18:24	1
Cadmium	**0.00052**	**J**	0.0020	0.00050	mg/L		12/06/18 12:55	12/11/18 18:24	1
Chromium	**0.018**		0.0040	0.0010	mg/L		12/06/18 12:55	12/11/18 18:24	1
Copper	**0.011**	**B**	0.010	0.0016	mg/L		12/06/18 12:55	12/11/18 18:24	1
Lead	**0.0076**	**J**	0.010	0.0030	mg/L		12/06/18 12:55	12/11/18 18:24	1
Nickel	**0.0069**	**J**	0.010	0.0013	mg/L		12/06/18 12:55	12/11/18 18:24	1
Selenium	ND		0.025	0.0087	mg/L		12/06/18 12:55	12/11/18 18:24	1

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-7S

Lab Sample ID: 480-146019-11

Date Collected: 11/29/18 13:40
Date Received: 12/01/18 01:00

Matrix: Ground Water

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		12/06/18 12:55	12/11/18 18:24	1
Thallium	ND		0.020	0.010	mg/L		12/06/18 12:55	12/11/18 18:24	1
Zinc	**0.018**		0.010	0.0015	mg/L		12/06/18 12:55	12/11/18 18:24	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/11/18 15:21	12/12/18 20:57	1
Arsenic	ND		0.015	0.0056	mg/L		12/11/18 15:21	12/12/18 20:57	1
Beryllium	ND		0.0020	0.00030	mg/L		12/11/18 15:21	12/12/18 20:57	1
Cadmium	ND		0.0020	0.00050	mg/L		12/11/18 15:21	12/12/18 20:57	1
Chromium	ND		0.0040	0.0010	mg/L		12/11/18 15:21	12/12/18 20:57	1
Copper	ND		0.010	0.0016	mg/L		12/11/18 15:21	12/12/18 20:57	1
Lead	ND		0.010	0.0030	mg/L		12/11/18 15:21	12/12/18 20:57	1
Nickel	ND		0.010	0.0013	mg/L		12/11/18 15:21	12/12/18 20:57	1
Selenium	ND		0.025	0.0087	mg/L		12/11/18 15:21	12/12/18 20:57	1
Silver	ND		0.0060	0.0017	mg/L		12/11/18 15:21	12/12/18 20:57	1
Thallium	ND		0.020	0.010	mg/L		12/11/18 15:21	12/12/18 20:57	1
Zinc	**0.0058**	**J ^**	0.010	0.0015	mg/L		12/11/18 15:21	12/12/18 20:57	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/03/18 11:55	12/03/18 16:43	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/11/18 11:20	12/11/18 15:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**949**		10.0	4.0	mg/L			12/04/18 09:00	1

Client Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-146019-12

Date Collected: 11/29/18 00:00
Matrix: Water
Date Received: 12/01/18 01:00

Method: 624 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			12/05/18 18:59	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/05/18 18:59	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/05/18 18:59	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/05/18 18:59	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/05/18 18:59	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/05/18 18:59	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/05/18 18:59	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/05/18 18:59	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/05/18 18:59	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/05/18 18:59	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			12/05/18 18:59	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			12/05/18 18:59	1
Acrolein	ND		100	17	ug/L			12/05/18 18:59	1
Acrylonitrile	ND		50	1.9	ug/L			12/05/18 18:59	1
Benzene	ND		5.0	0.60	ug/L			12/05/18 18:59	1
Bromoform	ND		5.0	0.47	ug/L			12/05/18 18:59	1
Bromomethane	ND		5.0	1.2	ug/L			12/05/18 18:59	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/05/18 18:59	1
Chlorobenzene	ND		5.0	0.48	ug/L			12/05/18 18:59	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			12/05/18 18:59	1
Chloroethane	ND		5.0	0.87	ug/L			12/05/18 18:59	1
Chloroform	ND		5.0	0.54	ug/L			12/05/18 18:59	1
Chloromethane	ND		5.0	0.64	ug/L			12/05/18 18:59	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/05/18 18:59	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			12/05/18 18:59	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/05/18 18:59	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/05/18 18:59	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/05/18 18:59	1
Toluene	ND		5.0	0.45	ug/L			12/05/18 18:59	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			12/05/18 18:59	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/05/18 18:59	1
Trichloroethene	ND		5.0	0.60	ug/L			12/05/18 18:59	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/05/18 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 130*		*12/05/18 18:59*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*12/05/18 18:59*	*1*
Toluene-d8 (Surr)	*95*		*77 - 120*		*12/05/18 18:59*	*1*

Surrogate Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Method: 624 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(77-120)
480-146019-1	MW-10S	97	94	95
480-146019-2	MW-11D	97	93	94
480-146019-3	MW-12S	95	93	94
480-146019-4	MW-1S	94	96	93
480-146019-5	MW-2D	97	92	97
480-146019-6	MW-2S	95	97	97
480-146019-7	MW-3S	105	95	95
480-146019-8	MW-4D	93	94	91
480-146019-8 - DL	MW-4D	108	105	102
480-146019-9	MW-5D	99	94	96
480-146019-10	MW-5S	100	92	94
480-146019-11	MW-7S	102	98	99

Surrogate Legend

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

Method: 624 - Volatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(68-130)	(76-123)	(77-120)
480-146019-12	Trip Blank	101	99	95
LCS 480-448967/7	Lab Control Sample	99	98	100
LCS 480-449069/5	Lab Control Sample	103	103	99
LCS 480-449864/5	Lab Control Sample	109	107	103
MB 480-448967/41	Method Blank	102	95	100
MB 480-449069/7	Method Blank	96	98	94
MB 480-449864/7	Method Blank	108	106	101

Surrogate Legend

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

Method: 624 - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-448967/41
Matrix: Water
Analysis Batch: 448967

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		5.0	0.39	ug/L			12/04/18 17:41	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/04/18 17:41	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/04/18 17:41	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/04/18 17:41	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/04/18 17:41	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/04/18 17:41	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/04/18 17:41	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/04/18 17:41	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/04/18 17:41	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/04/18 17:41	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			12/04/18 17:41	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			12/04/18 17:41	1
Acrolein	ND		100	17	ug/L			12/04/18 17:41	1
Acrylonitrile	ND		50	1.9	ug/L			12/04/18 17:41	1
Benzene	ND		5.0	0.60	ug/L			12/04/18 17:41	1
Bromoform	ND		5.0	0.47	ug/L			12/04/18 17:41	1
Bromomethane	ND		5.0	1.2	ug/L			12/04/18 17:41	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/04/18 17:41	1
Chlorobenzene	ND		5.0	0.48	ug/L			12/04/18 17:41	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			12/04/18 17:41	1
Chloroethane	ND		5.0	0.87	ug/L			12/04/18 17:41	1
Chloroform	ND		5.0	0.54	ug/L			12/04/18 17:41	1
Chloromethane	ND		5.0	0.64	ug/L			12/04/18 17:41	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/04/18 17:41	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			12/04/18 17:41	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/04/18 17:41	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/04/18 17:41	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/04/18 17:41	1
Toluene	ND		5.0	0.45	ug/L			12/04/18 17:41	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			12/04/18 17:41	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/04/18 17:41	1
Trichloroethene	ND		5.0	0.60	ug/L			12/04/18 17:41	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/04/18 17:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 130*		*12/04/18 17:41*	*1*
4-Bromofluorobenzene (Surr)	*95*		*76 - 123*		*12/04/18 17:41*	*1*
Toluene-d8 (Surr)	*100*		*77 - 120*		*12/04/18 17:41*	*1*

Lab Sample ID: LCS 480-448967/7
Matrix: Water
Analysis Batch: 448967

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	20.0	22.0		ug/L		110	52 - 162
1,1,2,2-Tetrachloroethane	20.0	20.9		ug/L		105	46 - 157
1,1,2-Trichloroethane	20.0	19.6		ug/L		98	52 - 150
1,1-Dichloroethane	20.0	21.0		ug/L		105	59 - 155

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-448967/7
Matrix: Water
Analysis Batch: 448967

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	20.0	22.2		ug/L		111	1 - 234
1,2-Dichlorobenzene	20.0	20.8		ug/L		104	18 - 190
1,2-Dichloroethane	20.0	21.1		ug/L		105	49 - 155
1,2-Dichloropropane	20.0	20.1		ug/L		100	1 - 210
1,3-Dichlorobenzene	20.0	20.7		ug/L		104	59 - 156
1,4-Dichlorobenzene	20.0	20.2		ug/L		101	18 - 190
2-Chloroethyl vinyl ether	20.0	19.8	J	ug/L		99	1 - 305
Benzene	20.0	20.3		ug/L		102	37 - 151
Bromoform	20.0	20.3		ug/L		101	45 - 169
Bromomethane	20.0	20.5		ug/L		102	1 - 242
Carbon tetrachloride	20.0	22.0		ug/L		110	70 - 140
Chlorobenzene	20.0	20.6		ug/L		103	37 - 160
Chlorodibromomethane	20.0	19.7		ug/L		99	53 - 149
Chloroethane	20.0	20.1		ug/L		101	14 - 230
Chloroform	20.0	20.2		ug/L		101	51 - 138
Chloromethane	20.0	21.7		ug/L		109	1 - 273
cis-1,3-Dichloropropene	20.0	21.1		ug/L		106	1 - 227
Dichlorobromomethane	20.0	21.0		ug/L		105	35 - 155
Ethylbenzene	20.0	21.4		ug/L		107	37 - 162
Methylene Chloride	20.0	18.8		ug/L		94	1 - 221
Tetrachloroethene	20.0	21.0		ug/L		105	64 - 148
Toluene	20.0	20.6		ug/L		103	47 - 150
trans-1,2-Dichloroethene	20.0	20.0		ug/L		100	54 - 156
trans-1,3-Dichloropropene	20.0	20.4		ug/L		102	17 - 183
Trichloroethene	20.0	21.6		ug/L		108	71 - 157
Vinyl chloride	20.0	21.3		ug/L		106	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*68 - 130*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*
Toluene-d8 (Surr)	*100*		*77 - 120*

Lab Sample ID: MB 480-449069/7
Matrix: Water
Analysis Batch: 449069

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		5.0	0.39	ug/L			12/05/18 10:47	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/05/18 10:47	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/05/18 10:47	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/05/18 10:47	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/05/18 10:47	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/05/18 10:47	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/05/18 10:47	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/05/18 10:47	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/05/18 10:47	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/05/18 10:47	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			12/05/18 10:47	1

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-449069/7
Matrix: Water
Analysis Batch: 449069

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			12/05/18 10:47	1
Acrolein	ND		100	17	ug/L			12/05/18 10:47	1
Acrylonitrile	ND		50	1.9	ug/L			12/05/18 10:47	1
Benzene	ND		5.0	0.60	ug/L			12/05/18 10:47	1
Bromoform	ND		5.0	0.47	ug/L			12/05/18 10:47	1
Bromomethane	ND		5.0	1.2	ug/L			12/05/18 10:47	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/05/18 10:47	1
Chlorobenzene	ND		5.0	0.48	ug/L			12/05/18 10:47	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			12/05/18 10:47	1
Chloroethane	ND		5.0	0.87	ug/L			12/05/18 10:47	1
Chloroform	ND		5.0	0.54	ug/L			12/05/18 10:47	1
Chloromethane	ND		5.0	0.64	ug/L			12/05/18 10:47	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/05/18 10:47	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			12/05/18 10:47	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/05/18 10:47	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/05/18 10:47	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/05/18 10:47	1
Toluene	ND		5.0	0.45	ug/L			12/05/18 10:47	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			12/05/18 10:47	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/05/18 10:47	1
Trichloroethene	ND		5.0	0.60	ug/L			12/05/18 10:47	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/05/18 10:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*68 - 130*		*12/05/18 10:47*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*		*12/05/18 10:47*	*1*
Toluene-d8 (Surr)	*94*		*77 - 120*		*12/05/18 10:47*	*1*

Lab Sample ID: LCS 480-449069/5
Matrix: Water
Analysis Batch: 449069

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	20.0	21.0		ug/L		105	52 - 162
1,1,2,2-Tetrachloroethane	20.0	20.1		ug/L		100	46 - 157
1,1,2-Trichloroethane	20.0	19.5		ug/L		98	52 - 150
1,1-Dichloroethane	20.0	20.3		ug/L		101	59 - 155
1,1-Dichloroethene	20.0	20.3		ug/L		102	1 - 234
1,2-Dichlorobenzene	20.0	20.9		ug/L		105	18 - 190
1,2-Dichloroethane	20.0	19.3		ug/L		97	49 - 155
1,2-Dichloropropane	20.0	18.9		ug/L		94	1 - 210
1,3-Dichlorobenzene	20.0	20.8		ug/L		104	59 - 156
1,4-Dichlorobenzene	20.0	20.5		ug/L		102	18 - 190
2-Chloroethyl vinyl ether	20.0	19.2	J	ug/L		96	1 - 305
Benzene	20.0	19.4		ug/L		97	37 - 151
Bromoform	20.0	19.3		ug/L		96	45 - 169
Bromomethane	20.0	19.1		ug/L		96	1 - 242
Carbon tetrachloride	20.0	21.2		ug/L		106	70 - 140

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-449069/5
Matrix: Water
Analysis Batch: 449069

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobenzene	20.0	20.0		ug/L		100	37 - 160
Chlorodibromomethane	20.0	18.7		ug/L		94	53 - 149
Chloroethane	20.0	20.3		ug/L		101	14 - 230
Chloroform	20.0	19.8		ug/L		99	51 - 138
Chloromethane	20.0	19.8		ug/L		99	1 - 273
cis-1,3-Dichloropropene	20.0	18.6		ug/L		93	1 - 227
Dichlorobromomethane	20.0	19.7		ug/L		99	35 - 155
Ethylbenzene	20.0	20.8		ug/L		104	37 - 162
Methylene Chloride	20.0	19.8		ug/L		99	1 - 221
Tetrachloroethene	20.0	20.6		ug/L		103	64 - 148
Toluene	20.0	20.7		ug/L		104	47 - 150
trans-1,2-Dichloroethene	20.0	20.6		ug/L		103	54 - 156
trans-1,3-Dichloropropene	20.0	19.9		ug/L		100	17 - 183
Trichloroethene	20.0	19.2		ug/L		96	71 - 157
Vinyl chloride	20.0	19.5		ug/L		98	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*68 - 130*
4-Bromofluorobenzene (Surr)	*103*		*76 - 123*
Toluene-d8 (Surr)	*99*		*77 - 120*

Lab Sample ID: MB 480-449864/7
Matrix: Water
Analysis Batch: 449864

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		5.0	0.39	ug/L			12/10/18 10:42	1
1,1,2,2-Tetrachloroethane	ND		5.0	0.26	ug/L			12/10/18 10:42	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/10/18 10:42	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/10/18 10:42	1
1,1-Dichloroethene	ND		5.0	0.85	ug/L			12/10/18 10:42	1
1,2-Dichlorobenzene	ND		5.0	0.44	ug/L			12/10/18 10:42	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/10/18 10:42	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/10/18 10:42	1
1,2-Dichloropropane	ND		5.0	0.61	ug/L			12/10/18 10:42	1
1,3-Dichlorobenzene	ND		5.0	0.54	ug/L			12/10/18 10:42	1
1,4-Dichlorobenzene	ND		5.0	0.51	ug/L			12/10/18 10:42	1
2-Chloroethyl vinyl ether	ND		25	1.9	ug/L			12/10/18 10:42	1
Acrolein	ND		100	17	ug/L			12/10/18 10:42	1
Acrylonitrile	ND		50	1.9	ug/L			12/10/18 10:42	1
Benzene	ND		5.0	0.60	ug/L			12/10/18 10:42	1
Bromoform	ND		5.0	0.47	ug/L			12/10/18 10:42	1
Bromomethane	ND		5.0	1.2	ug/L			12/10/18 10:42	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/10/18 10:42	1
Chlorobenzene	ND		5.0	0.48	ug/L			12/10/18 10:42	1
Chlorodibromomethane	ND		5.0	0.41	ug/L			12/10/18 10:42	1
Chloroethane	ND		5.0	0.87	ug/L			12/10/18 10:42	1
Chloroform	ND		5.0	0.54	ug/L			12/10/18 10:42	1

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-449864/7
Matrix: Water
Analysis Batch: 449864

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		5.0	0.64	ug/L			12/10/18 10:42	1
cis-1,3-Dichloropropene	ND		5.0	0.33	ug/L			12/10/18 10:42	1
Dichlorobromomethane	ND		5.0	0.54	ug/L			12/10/18 10:42	1
Ethylbenzene	ND		5.0	0.46	ug/L			12/10/18 10:42	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/10/18 10:42	1
Tetrachloroethene	ND		5.0	0.34	ug/L			12/10/18 10:42	1
Toluene	ND		5.0	0.45	ug/L			12/10/18 10:42	1
trans-1,2-Dichloroethene	ND		5.0	0.59	ug/L			12/10/18 10:42	1
trans-1,3-Dichloropropene	ND		5.0	0.44	ug/L			12/10/18 10:42	1
Trichloroethene	ND		5.0	0.60	ug/L			12/10/18 10:42	1
Vinyl chloride	ND		5.0	0.75	ug/L			12/10/18 10:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 130*		*12/10/18 10:42*	*1*
4-Bromofluorobenzene (Surr)	*106*		*76 - 123*		*12/10/18 10:42*	*1*
Toluene-d8 (Surr)	*101*		*77 - 120*		*12/10/18 10:42*	*1*

Lab Sample ID: LCS 480-449864/5
Matrix: Water
Analysis Batch: 449864

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	20.0	19.6		ug/L		98	52 - 162
1,1,2,2-Tetrachloroethane	20.0	20.2		ug/L		101	46 - 157
1,1,2-Trichloroethane	20.0	18.9		ug/L		94	52 - 150
1,1-Dichloroethane	20.0	18.6		ug/L		93	59 - 155
1,1-Dichloroethene	20.0	18.1		ug/L		90	1 - 234
1,2-Dichlorobenzene	20.0	19.3		ug/L		96	18 - 190
1,2-Dichloroethane	20.0	20.1		ug/L		101	49 - 155
1,2-Dichloropropane	20.0	18.5		ug/L		93	1 - 210
1,3-Dichlorobenzene	20.0	18.9		ug/L		94	59 - 156
1,4-Dichlorobenzene	20.0	18.8		ug/L		94	18 - 190
2-Chloroethyl vinyl ether	20.0	18.8	J	ug/L		94	1 - 305
Benzene	20.0	18.3		ug/L		92	37 - 151
Bromoform	20.0	17.6		ug/L		88	45 - 169
Bromomethane	20.0	17.6		ug/L		88	1 - 242
Carbon tetrachloride	20.0	20.0		ug/L		100	70 - 140
Chlorobenzene	20.0	18.0		ug/L		90	37 - 160
Chlorodibromomethane	20.0	17.6		ug/L		88	53 - 149
Chloroethane	20.0	18.1		ug/L		91	14 - 230
Chloroform	20.0	19.0		ug/L		95	51 - 138
Chloromethane	20.0	16.5		ug/L		83	1 - 273
cis-1,3-Dichloropropene	20.0	17.6		ug/L		88	1 - 227
Dichlorobromomethane	20.0	19.4		ug/L		97	35 - 155
Ethylbenzene	20.0	18.3		ug/L		92	37 - 162
Methylene Chloride	20.0	16.9		ug/L		84	1 - 221
Tetrachloroethene	20.0	17.9		ug/L		90	64 - 148
Toluene	20.0	18.9		ug/L		95	47 - 150

Method: 624 - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-449864/5
Matrix: Water
Analysis Batch: 449864

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	20.0	18.2		ug/L		91	54 - 156
trans-1,3-Dichloropropene	20.0	18.2		ug/L		91	17 - 183
Trichloroethene	20.0	19.2		ug/L		96	71 - 157
Vinyl chloride	20.0	17.5		ug/L		87	1 - 251

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*68 - 130*
4-Bromofluorobenzene (Surr)	*107*		*76 - 123*
Toluene-d8 (Surr)	*103*		*77 - 120*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-448786/1-A
Matrix: Water
Analysis Batch: 449537

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 448786

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/04/18 09:38	12/06/18 21:02	1
Arsenic	ND		0.015	0.0056	mg/L		12/04/18 09:38	12/06/18 21:02	1
Beryllium	ND		0.0020	0.00030	mg/L		12/04/18 09:38	12/06/18 21:02	1
Cadmium	ND		0.0020	0.00050	mg/L		12/04/18 09:38	12/06/18 21:02	1
Chromium	ND		0.0040	0.0010	mg/L		12/04/18 09:38	12/06/18 21:02	1
Copper	ND		0.010	0.0016	mg/L		12/04/18 09:38	12/06/18 21:02	1
Lead	ND		0.010	0.0030	mg/L		12/04/18 09:38	12/06/18 21:02	1
Nickel	ND		0.010	0.0013	mg/L		12/04/18 09:38	12/06/18 21:02	1
Selenium	ND		0.025	0.0087	mg/L		12/04/18 09:38	12/06/18 21:02	1
Silver	ND		0.0060	0.0017	mg/L		12/04/18 09:38	12/06/18 21:02	1
Thallium	ND		0.020	0.010	mg/L		12/04/18 09:38	12/06/18 21:02	1
Zinc	ND		0.010	0.0015	mg/L		12/04/18 09:38	12/06/18 21:02	1

Lab Sample ID: LCS 480-448786/2-A
Matrix: Water
Analysis Batch: 449537

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 448786

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.200	0.177		mg/L		88	80 - 120
Arsenic	0.200	0.189		mg/L		95	80 - 120
Beryllium	0.200	0.186		mg/L		93	80 - 120
Cadmium	0.200	0.182		mg/L		91	80 - 120
Chromium	0.200	0.184		mg/L		92	80 - 120
Copper	0.200	0.182		mg/L		91	80 - 120
Lead	0.200	0.181		mg/L		90	80 - 120
Nickel	0.200	0.188		mg/L		94	80 - 120
Selenium	0.200	0.188		mg/L		94	80 - 120
Silver	0.0500	0.0453		mg/L		91	80 - 120
Thallium	0.200	0.186		mg/L		93	80 - 120
Zinc	0.200	0.192		mg/L		96	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-448787/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 450347 — **Prep Batch: 448787**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/06/18 12:55	12/11/18 17:57	1
Arsenic	ND		0.015	0.0056	mg/L		12/06/18 12:55	12/11/18 17:57	1
Beryllium	ND		0.0020	0.00030	mg/L		12/06/18 12:55	12/11/18 17:57	1
Cadmium	ND		0.0020	0.00050	mg/L		12/06/18 12:55	12/11/18 17:57	1
Chromium	ND		0.0040	0.0010	mg/L		12/06/18 12:55	12/11/18 17:57	1
Copper	0.00384	J	0.010	0.0016	mg/L		12/06/18 12:55	12/11/18 17:57	1
Lead	ND		0.010	0.0030	mg/L		12/06/18 12:55	12/11/18 17:57	1
Nickel	ND		0.010	0.0013	mg/L		12/06/18 12:55	12/11/18 17:57	1
Selenium	ND		0.025	0.0087	mg/L		12/06/18 12:55	12/11/18 17:57	1
Silver	ND		0.0060	0.0017	mg/L		12/06/18 12:55	12/11/18 17:57	1
Thallium	ND		0.020	0.010	mg/L		12/06/18 12:55	12/11/18 17:57	1
Zinc	ND		0.010	0.0015	mg/L		12/06/18 12:55	12/11/18 17:57	1

Lab Sample ID: LCS 480-448787/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 450347 — **Prep Batch: 448787**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.200	0.211		mg/L		105	80 - 120
Arsenic	0.200	0.214		mg/L		107	80 - 120
Beryllium	0.200	0.204		mg/L		102	80 - 120
Cadmium	0.200	0.206		mg/L		103	80 - 120
Chromium	0.200	0.203		mg/L		102	80 - 120
Copper	0.200	0.202		mg/L		101	80 - 120
Lead	0.200	0.201		mg/L		100	80 - 120
Nickel	0.200	0.202		mg/L		101	80 - 120
Selenium	0.200	0.211		mg/L		106	80 - 120
Silver	0.0500	0.0503		mg/L		101	80 - 120
Thallium	0.200	0.199		mg/L		99	80 - 120
Zinc	0.200	0.210		mg/L		105	80 - 120

Lab Sample ID: MB 480-448788/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 449862 — **Prep Batch: 448788**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		12/06/18 12:54	12/08/18 20:41	1
Beryllium	ND		0.0020	0.00030	mg/L		12/06/18 12:54	12/08/18 20:41	1
Cadmium	ND		0.0020	0.00050	mg/L		12/06/18 12:54	12/08/18 20:41	1
Chromium	ND		0.0040	0.0010	mg/L		12/06/18 12:54	12/08/18 20:41	1
Lead	ND		0.010	0.0030	mg/L		12/06/18 12:54	12/08/18 20:41	1
Nickel	ND		0.010	0.0013	mg/L		12/06/18 12:54	12/08/18 20:41	1
Silver	ND		0.0060	0.0017	mg/L		12/06/18 12:54	12/08/18 20:41	1
Thallium	ND		0.020	0.010	mg/L		12/06/18 12:54	12/08/18 20:41	1
Zinc	ND		0.010	0.0015	mg/L		12/06/18 12:54	12/08/18 20:41	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-448788/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 450087 — **Prep Batch: 448788**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/06/18 12:54	12/10/18 11:09	1
Copper	ND		0.010	0.0016	mg/L		12/06/18 12:54	12/10/18 11:09	1
Selenium	ND		0.025	0.0087	mg/L		12/06/18 12:54	12/10/18 11:09	1

Lab Sample ID: LCS 480-448788/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 449862 — **Prep Batch: 448788**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.200	0.191		mg/L		96	80 - 120
Beryllium	0.200	0.198		mg/L		99	80 - 120
Cadmium	0.200	0.192		mg/L		96	80 - 120
Chromium	0.200	0.204		mg/L		102	80 - 120
Lead	0.200	0.196		mg/L		98	80 - 120
Nickel	0.200	0.199		mg/L		100	80 - 120
Silver	0.0500	0.0466		mg/L		93	80 - 120
Thallium	0.200	0.193		mg/L		97	80 - 120
Zinc	0.200	0.233		mg/L		116	80 - 120

Lab Sample ID: LCS 480-448788/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 450087 — **Prep Batch: 448788**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.200	0.194		mg/L		97	80 - 120
Copper	0.200	0.187		mg/L		94	80 - 120
Selenium	0.200	0.200		mg/L		100	80 - 120

Lab Sample ID: LCSD 480-448788/26-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 449862 — **Prep Batch: 448788**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.200	0.186		mg/L		93	80 - 120	2	20
Arsenic	0.200	0.197		mg/L		99	80 - 120	3	20
Beryllium	0.200	0.202		mg/L		101	80 - 120	2	20
Cadmium	0.200	0.198		mg/L		99	80 - 120	3	20
Chromium	0.200	0.212		mg/L		106	80 - 120	3	20
Lead	0.200	0.204		mg/L		102	80 - 120	4	20
Nickel	0.200	0.204		mg/L		102	80 - 120	2	20
Silver	0.0500	0.0486		mg/L		97	80 - 120	4	20
Thallium	0.200	0.198		mg/L		99	80 - 120	3	20

Lab Sample ID: LCSD 480-448788/26-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 450087 — **Prep Batch: 448788**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.200	0.199		mg/L		100	80 - 120	3	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSD 480-448788/26-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 450087 — **Prep Batch: 448788**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Copper	0.200	0.194		mg/L		97	80 - 120	4	20
Selenium	0.200	0.210		mg/L		105	80 - 120	5	20
Zinc	0.200	0.208		mg/L		104	80 - 120	2	20

Lab Sample ID: MB 480-449676/1-B — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 450613 — **Prep Batch: 449952**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.020	0.0068	mg/L		12/11/18 15:21	12/12/18 20:30	1
Arsenic	ND		0.015	0.0056	mg/L		12/11/18 15:21	12/12/18 20:30	1
Beryllium	ND		0.0020	0.00030	mg/L		12/11/18 15:21	12/12/18 20:30	1
Cadmium	ND		0.0020	0.00050	mg/L		12/11/18 15:21	12/12/18 20:30	1
Chromium	ND		0.0040	0.0010	mg/L		12/11/18 15:21	12/12/18 20:30	1
Copper	ND		0.010	0.0016	mg/L		12/11/18 15:21	12/12/18 20:30	1
Lead	ND		0.010	0.0030	mg/L		12/11/18 15:21	12/12/18 20:30	1
Nickel	ND		0.010	0.0013	mg/L		12/11/18 15:21	12/12/18 20:30	1
Selenium	ND		0.025	0.0087	mg/L		12/11/18 15:21	12/12/18 20:30	1
Silver	ND		0.0060	0.0017	mg/L		12/11/18 15:21	12/12/18 20:30	1
Thallium	ND		0.020	0.010	mg/L		12/11/18 15:21	12/12/18 20:30	1
Zinc	ND		0.010	0.0015	mg/L		12/11/18 15:21	12/12/18 20:30	1

Lab Sample ID: LCS 480-449676/2-B — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 450613 — **Prep Batch: 449952**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.200	0.210		mg/L		105	80 - 120
Arsenic	0.200	0.215		mg/L		107	80 - 120
Beryllium	0.200	0.211		mg/L		106	80 - 120
Cadmium	0.200	0.210		mg/L		105	80 - 120
Chromium	0.200	0.212		mg/L		106	80 - 120
Copper	0.200	0.203		mg/L		102	80 - 120
Lead	0.200	0.207		mg/L		103	80 - 120
Nickel	0.200	0.209		mg/L		105	80 - 120
Selenium	0.200	0.210		mg/L		105	80 - 120
Silver	0.0500	0.0519		mg/L		104	80 - 120
Thallium	0.200	0.204		mg/L		102	80 - 120
Zinc	0.200	0.221		mg/L		110	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-448699/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 448800 — **Prep Batch: 448699**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/03/18 11:55	12/03/18 15:52	1

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

Lab Sample ID: LCS 480-448699/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 448800 — **Prep Batch: 448699**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00720		mg/L		108	80 - 120

Lab Sample ID: MB 480-448700/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 448800 — **Prep Batch: 448700**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/03/18 11:55	12/03/18 16:32	1

Lab Sample ID: LCS 480-448700/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 448800 — **Prep Batch: 448700**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00735		mg/L		110	80 - 120

Lab Sample ID: 480-146019-8 MS — **Client Sample ID: MW-4D**
Matrix: Ground Water — **Prep Type: Total/NA**
Analysis Batch: 448800 — **Prep Batch: 448700**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00667	0.00707		mg/L		106	80 - 120

Lab Sample ID: 480-146019-8 MSD — **Client Sample ID: MW-4D**
Matrix: Ground Water — **Prep Type: Total/NA**
Analysis Batch: 448800 — **Prep Batch: 448700**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00667	0.00710		mg/L		106	80 - 120	0	20

Lab Sample ID: MB 480-449676/1-E — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 450261 — **Prep Batch: 450160**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		12/11/18 11:20	12/11/18 14:56	1

Lab Sample ID: LCS 480-449676/2-E — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 450261 — **Prep Batch: 450160**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00693		mg/L		104	80 - 120

QC Sample Results

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 480-448698/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 448698

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			12/03/18 10:37	1

Lab Sample ID: LCS 480-448698/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 448698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500	533.0		mg/L		107	85 - 115

Lab Sample ID: 480-146019-10 DU — **Client Sample ID: MW-5S**
Matrix: Ground Water — **Prep Type: Total/NA**
Analysis Batch: 448698

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	3160		3164		mg/L		0	10

Lab Sample ID: MB 480-448885/1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 448885

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		10.0	4.0	mg/L			12/04/18 09:00	1

Lab Sample ID: LCS 480-448885/2 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 448885

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	500	512.0		mg/L		102	85 - 115

Lab Sample ID: 480-146019-11 DU — **Client Sample ID: MW-7S**
Matrix: Ground Water — **Prep Type: Total/NA**
Analysis Batch: 448885

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	949		949.0		mg/L		0	10

QC Association Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

GC/MS VOA

Analysis Batch: 448967

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-146019-1	MW-10S	Total/NA	Ground Water	624	
480-146019-2	MW-11D	Total/NA	Ground Water	624	
480-146019-3	MW-12S	Total/NA	Ground Water	624	
MB 480-448967/41	Method Blank	Total/NA	Water	624	
LCS 480-448967/7	Lab Control Sample	Total/NA	Water	624	

Analysis Batch: 449069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-146019-4	MW-1S	Total/NA	Ground Water	624	
480-146019-5	MW-2D	Total/NA	Ground Water	624	
480-146019-6	MW-2S	Total/NA	Ground Water	624	
480-146019-7	MW-3S	Total/NA	Ground Water	624	
480-146019-8	MW-4D	Total/NA	Ground Water	624	
480-146019-9	MW-5D	Total/NA	Ground Water	624	
480-146019-10	MW-5S	Total/NA	Ground Water	624	
480-146019-11	MW-7S	Total/NA	Ground Water	624	
480-146019-12	Trip Blank	Total/NA	Water	624	
MB 480-449069/7	Method Blank	Total/NA	Water	624	
LCS 480-449069/5	Lab Control Sample	Total/NA	Water	624	

Analysis Batch: 449864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-146019-8 - DL	MW-4D	Total/NA	Ground Water	624	
MB 480-449864/7	Method Blank	Total/NA	Water	624	
LCS 480-449864/5	Lab Control Sample	Total/NA	Water	624	

Metals

Prep Batch: 448699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-146019-1	MW-10S	Total/NA	Ground Water	7470A	
480-146019-2	MW-11D	Total/NA	Ground Water	7470A	
480-146019-3	MW-12S	Total/NA	Ground Water	7470A	
480-146019-4	MW-1S	Total/NA	Ground Water	7470A	
480-146019-5	MW-2D	Total/NA	Ground Water	7470A	
480-146019-6	MW-2S	Total/NA	Ground Water	7470A	
480-146019-7	MW-3S	Total/NA	Ground Water	7470A	
MB 480-448699/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-448699/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 448700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-146019-8	MW-4D	Total/NA	Ground Water	7470A	
480-146019-9	MW-5D	Total/NA	Ground Water	7470A	
480-146019-10	MW-5S	Total/NA	Ground Water	7470A	
480-146019-11	MW-7S	Total/NA	Ground Water	7470A	
MB 480-448700/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-448700/2-A	Lab Control Sample	Total/NA	Water	7470A	
480-146019-8 MS	MW-4D	Total/NA	Ground Water	7470A	
480-146019-8 MSD	MW-4D	Total/NA	Ground Water	7470A	

Metals (Continued)

Prep Batch: 448786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-146019-3	MW-12S	Total/NA	Ground Water	3005A	
480-146019-4	MW-1S	Total/NA	Ground Water	3005A	
480-146019-5	MW-2D	Total/NA	Ground Water	3005A	
480-146019-6	MW-2S	Total/NA	Ground Water	3005A	
480-146019-7	MW-3S	Total/NA	Ground Water	3005A	
480-146019-8	MW-4D	Total/NA	Ground Water	3005A	
MB 480-448786/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-448786/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 448787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-146019-9	MW-5D	Total/NA	Ground Water	3005A	
480-146019-10	MW-5S	Total/NA	Ground Water	3005A	
480-146019-11	MW-7S	Total/NA	Ground Water	3005A	
MB 480-448787/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-448787/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 448788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-146019-1	MW-10S	Total/NA	Ground Water	3005A	
480-146019-2	MW-11D	Total/NA	Ground Water	3005A	
MB 480-448788/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-448788/2-A	Lab Control Sample	Total/NA	Water	3005A	
LCSD 480-448788/26-A	Lab Control Sample Dup	Total/NA	Water	3005A	

Analysis Batch: 448800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-146019-1	MW-10S	Total/NA	Ground Water	7470A	448699
480-146019-2	MW-11D	Total/NA	Ground Water	7470A	448699
480-146019-3	MW-12S	Total/NA	Ground Water	7470A	448699
480-146019-4	MW-1S	Total/NA	Ground Water	7470A	448699
480-146019-5	MW-2D	Total/NA	Ground Water	7470A	448699
480-146019-6	MW-2S	Total/NA	Ground Water	7470A	448699
480-146019-7	MW-3S	Total/NA	Ground Water	7470A	448699
480-146019-8	MW-4D	Total/NA	Ground Water	7470A	448700
480-146019-9	MW-5D	Total/NA	Ground Water	7470A	448700
480-146019-10	MW-5S	Total/NA	Ground Water	7470A	448700
480-146019-11	MW-7S	Total/NA	Ground Water	7470A	448700
MB 480-448699/1-A	Method Blank	Total/NA	Water	7470A	448699
MB 480-448700/1-A	Method Blank	Total/NA	Water	7470A	448700
LCS 480-448699/2-A	Lab Control Sample	Total/NA	Water	7470A	448699
LCS 480-448700/2-A	Lab Control Sample	Total/NA	Water	7470A	448700
480-146019-8 MS	MW-4D	Total/NA	Ground Water	7470A	448700
480-146019-8 MSD	MW-4D	Total/NA	Ground Water	7470A	448700

Analysis Batch: 449537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-146019-3	MW-12S	Total/NA	Ground Water	6010C	448786
480-146019-4	MW-1S	Total/NA	Ground Water	6010C	448786
480-146019-5	MW-2D	Total/NA	Ground Water	6010C	448786
480-146019-6	MW-2S	Total/NA	Ground Water	6010C	448786

Metals (Continued)

Analysis Batch: 449537 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-146019-7	MW-3S	Total/NA	Ground Water	6010C	448786
480-146019-8	MW-4D	Total/NA	Ground Water	6010C	448786
MB 480-448786/1-A	Method Blank	Total/NA	Water	6010C	448786
LCS 480-448786/2-A	Lab Control Sample	Total/NA	Water	6010C	448786

Filtration Batch: 449676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-146019-2	MW-11D	Dissolved	Ground Water	FILTRATION	
480-146019-10	MW-5S	Dissolved	Ground Water	FILTRATION	
480-146019-11	MW-7S	Dissolved	Ground Water	FILTRATION	
MB 480-449676/1-B	Method Blank	Dissolved	Water	FILTRATION	
MB 480-449676/1-E	Method Blank	Dissolved	Water	FILTRATION	
LCS 480-449676/2-B	Lab Control Sample	Dissolved	Water	FILTRATION	
LCS 480-449676/2-E	Lab Control Sample	Dissolved	Water	FILTRATION	

Analysis Batch: 449862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-146019-1	MW-10S	Total/NA	Ground Water	6010C	448788
480-146019-2	MW-11D	Total/NA	Ground Water	6010C	448788
MB 480-448788/1-A	Method Blank	Total/NA	Water	6010C	448788
LCS 480-448788/2-A	Lab Control Sample	Total/NA	Water	6010C	448788
LCSD 480-448788/26-A	Lab Control Sample Dup	Total/NA	Water	6010C	448788

Prep Batch: 449952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-146019-2	MW-11D	Dissolved	Ground Water	3005A	449676
480-146019-10	MW-5S	Dissolved	Ground Water	3005A	449676
480-146019-11	MW-7S	Dissolved	Ground Water	3005A	449676
MB 480-449676/1-B	Method Blank	Dissolved	Water	3005A	449676
LCS 480-449676/2-B	Lab Control Sample	Dissolved	Water	3005A	449676

Analysis Batch: 450087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-146019-1	MW-10S	Total/NA	Ground Water	6010C	448788
480-146019-2	MW-11D	Total/NA	Ground Water	6010C	448788
480-146019-2	MW-11D	Total/NA	Ground Water	6010C	448788
MB 480-448788/1-A	Method Blank	Total/NA	Water	6010C	448788
LCS 480-448788/2-A	Lab Control Sample	Total/NA	Water	6010C	448788
LCSD 480-448788/26-A	Lab Control Sample Dup	Total/NA	Water	6010C	448788

Prep Batch: 450160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-146019-2	MW-11D	Dissolved	Ground Water	7470A	449676
480-146019-10	MW-5S	Dissolved	Ground Water	7470A	449676
480-146019-11	MW-7S	Dissolved	Ground Water	7470A	449676
MB 480-449676/1-E	Method Blank	Dissolved	Water	7470A	449676
LCS 480-449676/2-E	Lab Control Sample	Dissolved	Water	7470A	449676

Analysis Batch: 450261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-146019-2	MW-11D	Dissolved	Ground Water	7470A	450160

Metals (Continued)

Analysis Batch: 450261 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-146019-10	MW-5S	Dissolved	Ground Water	7470A	450160
480-146019-11	MW-7S	Dissolved	Ground Water	7470A	450160
MB 480-449676/1-E	Method Blank	Dissolved	Water	7470A	450160
LCS 480-449676/2-E	Lab Control Sample	Dissolved	Water	7470A	450160

Analysis Batch: 450347

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-146019-9	MW-5D	Total/NA	Ground Water	6010C	448787
480-146019-10	MW-5S	Total/NA	Ground Water	6010C	448787
480-146019-11	MW-7S	Total/NA	Ground Water	6010C	448787
MB 480-448787/1-A	Method Blank	Total/NA	Water	6010C	448787
LCS 480-448787/2-A	Lab Control Sample	Total/NA	Water	6010C	448787

Analysis Batch: 450613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-146019-2	MW-11D	Dissolved	Ground Water	6010C	449952
480-146019-10	MW-5S	Dissolved	Ground Water	6010C	449952
480-146019-11	MW-7S	Dissolved	Ground Water	6010C	449952
MB 480-449676/1-B	Method Blank	Dissolved	Water	6010C	449952
LCS 480-449676/2-B	Lab Control Sample	Dissolved	Water	6010C	449952

General Chemistry

Analysis Batch: 448698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-146019-1	MW-10S	Total/NA	Ground Water	SM 2540C	
480-146019-2	MW-11D	Total/NA	Ground Water	SM 2540C	
480-146019-3	MW-12S	Total/NA	Ground Water	SM 2540C	
480-146019-4	MW-1S	Total/NA	Ground Water	SM 2540C	
480-146019-5	MW-2D	Total/NA	Ground Water	SM 2540C	
480-146019-6	MW-2S	Total/NA	Ground Water	SM 2540C	
480-146019-7	MW-3S	Total/NA	Ground Water	SM 2540C	
480-146019-8	MW-4D	Total/NA	Ground Water	SM 2540C	
480-146019-9	MW-5D	Total/NA	Ground Water	SM 2540C	
480-146019-10	MW-5S	Total/NA	Ground Water	SM 2540C	
MB 480-448698/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 480-448698/2	Lab Control Sample	Total/NA	Water	SM 2540C	
480-146019-10 DU	MW-5S	Total/NA	Ground Water	SM 2540C	

Analysis Batch: 448885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-146019-11	MW-7S	Total/NA	Ground Water	SM 2540C	
MB 480-448885/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 480-448885/2	Lab Control Sample	Total/NA	Water	SM 2540C	
480-146019-11 DU	MW-7S	Total/NA	Ground Water	SM 2540C	

Lab Chronicle

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-10S

Lab Sample ID: 480-146019-1

Date Collected: 11/29/18 14:00

Matrix: Ground Water

Date Received: 12/01/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	448967	12/04/18 22:27	S1V	TAL BUF
Total/NA	Prep	3005A			448788	12/06/18 12:54	VEG	TAL BUF
Total/NA	Analysis	6010C		1	449862	12/08/18 22:28	AMH	TAL BUF
Total/NA	Prep	3005A			448788	12/06/18 12:54	VEG	TAL BUF
Total/NA	Analysis	6010C		1	450087	12/10/18 12:04	AMH	TAL BUF
Total/NA	Prep	7470A			448699	12/03/18 11:55	BMB	TAL BUF
Total/NA	Analysis	7470A		1	448800	12/03/18 16:20	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	448698	12/03/18 10:37	RAF	TAL BUF

Client Sample ID: MW-11D

Lab Sample ID: 480-146019-2

Date Collected: 11/29/18 14:40

Matrix: Ground Water

Date Received: 12/01/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	448967	12/04/18 22:51	S1V	TAL BUF
Dissolved	Filtration	FILTRATION			449676	12/07/18 15:07	VEG	TAL BUF
Dissolved	Prep	3005A			449952	12/11/18 15:21	VEG	TAL BUF
Dissolved	Analysis	6010C		1	450613	12/12/18 20:38	AMH	TAL BUF
Total/NA	Prep	3005A			448788	12/06/18 12:54	VEG	TAL BUF
Total/NA	Analysis	6010C		1	449862	12/08/18 22:31	AMH	TAL BUF
Total/NA	Prep	3005A			448788	12/06/18 12:54	VEG	TAL BUF
Total/NA	Analysis	6010C		1	450087	12/10/18 12:07	AMH	TAL BUF
Total/NA	Prep	3005A			448788	12/06/18 12:54	VEG	TAL BUF
Total/NA	Analysis	6010C		5	450087	12/10/18 12:11	AMH	TAL BUF
Dissolved	Filtration	FILTRATION			449676	12/07/18 15:07	VEG	TAL BUF
Dissolved	Prep	7470A			450160	12/11/18 11:20	BMB	TAL BUF
Dissolved	Analysis	7470A		1	450261	12/11/18 14:58	BMB	TAL BUF
Total/NA	Prep	7470A			448699	12/03/18 11:55	BMB	TAL BUF
Total/NA	Analysis	7470A		1	448800	12/03/18 16:22	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	448698	12/03/18 10:37	RAF	TAL BUF

Client Sample ID: MW-12S

Lab Sample ID: 480-146019-3

Date Collected: 11/29/18 13:00

Matrix: Ground Water

Date Received: 12/01/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	448967	12/04/18 23:14	S1V	TAL BUF
Total/NA	Prep	3005A			448786	12/04/18 09:38	VEG	TAL BUF
Total/NA	Analysis	6010C		1	449537	12/06/18 22:40	LMH	TAL BUF
Total/NA	Prep	7470A			448699	12/03/18 11:55	BMB	TAL BUF
Total/NA	Analysis	7470A		1	448800	12/03/18 16:23	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	448698	12/03/18 10:37	RAF	TAL BUF

Lab Chronicle

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-1S

Lab Sample ID: 480-146019-4

Date Collected: 11/29/18 15:20
Date Received: 12/01/18 01:00

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	449069	12/05/18 15:50	S1V	TAL BUF
Total/NA	Prep	3005A			448786	12/04/18 09:38	VEG	TAL BUF
Total/NA	Analysis	6010C		1	449537	12/06/18 22:44	LMH	TAL BUF
Total/NA	Prep	7470A			448699	12/03/18 11:55	BMB	TAL BUF
Total/NA	Analysis	7470A		1	448800	12/03/18 16:24	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	448698	12/03/18 10:37	RAF	TAL BUF

Client Sample ID: MW-2D

Lab Sample ID: 480-146019-5

Date Collected: 11/29/18 12:15
Date Received: 12/01/18 01:00

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	449069	12/05/18 16:14	S1V	TAL BUF
Total/NA	Prep	3005A			448786	12/04/18 09:38	VEG	TAL BUF
Total/NA	Analysis	6010C		1	449537	12/06/18 22:47	LMH	TAL BUF
Total/NA	Prep	7470A			448699	12/03/18 11:55	BMB	TAL BUF
Total/NA	Analysis	7470A		1	448800	12/03/18 16:26	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	448698	12/03/18 10:37	RAF	TAL BUF

Client Sample ID: MW-2S

Lab Sample ID: 480-146019-6

Date Collected: 11/29/18 12:00
Date Received: 12/01/18 01:00

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	449069	12/05/18 16:37	S1V	TAL BUF
Total/NA	Prep	3005A			448786	12/04/18 09:38	VEG	TAL BUF
Total/NA	Analysis	6010C		1	449537	12/06/18 22:51	LMH	TAL BUF
Total/NA	Prep	7470A			448699	12/03/18 11:55	BMB	TAL BUF
Total/NA	Analysis	7470A		1	448800	12/03/18 16:27	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	448698	12/03/18 10:37	RAF	TAL BUF

Client Sample ID: MW-3S

Lab Sample ID: 480-146019-7

Date Collected: 11/29/18 09:45
Date Received: 12/01/18 01:00

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		2	449069	12/05/18 17:01	S1V	TAL BUF
Total/NA	Prep	3005A			448786	12/04/18 09:38	VEG	TAL BUF
Total/NA	Analysis	6010C		1	449537	12/06/18 23:07	LMH	TAL BUF
Total/NA	Prep	7470A			448699	12/03/18 11:55	BMB	TAL BUF
Total/NA	Analysis	7470A		1	448800	12/03/18 16:28	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	448698	12/03/18 10:37	RAF	TAL BUF

Lab Chronicle

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-4D

Lab Sample ID: 480-146019-8

Date Collected: 11/29/18 10:15
Date Received: 12/01/18 01:00

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	449069	12/05/18 17:25	S1V	TAL BUF
Total/NA	Analysis	624	DL	2	449864	12/10/18 11:37	S1V	TAL BUF
Total/NA	Prep	3005A			448786	12/04/18 09:38	VEG	TAL BUF
Total/NA	Analysis	6010C		1	449537	12/06/18 23:11	LMH	TAL BUF
Total/NA	Prep	7470A			448700	12/03/18 11:55	BMB	TAL BUF
Total/NA	Analysis	7470A		1	448800	12/03/18 16:35	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	448698	12/03/18 10:37	RAF	TAL BUF

Client Sample ID: MW-5D

Lab Sample ID: 480-146019-9

Date Collected: 11/29/18 10:55
Date Received: 12/01/18 01:00

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	449069	12/05/18 17:48	S1V	TAL BUF
Total/NA	Prep	3005A			448787	12/06/18 12:55	VEG	TAL BUF
Total/NA	Analysis	6010C		1	450347	12/11/18 18:16	LMH	TAL BUF
Total/NA	Prep	7470A			448700	12/03/18 11:55	BMB	TAL BUF
Total/NA	Analysis	7470A		1	448800	12/03/18 16:40	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	448698	12/03/18 10:37	RAF	TAL BUF

Client Sample ID: MW-5S

Lab Sample ID: 480-146019-10

Date Collected: 11/29/18 10:40
Date Received: 12/01/18 01:00

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	449069	12/05/18 18:12	S1V	TAL BUF
Dissolved	Filtration	FILTRATION			449676	12/07/18 15:07	VEG	TAL BUF
Dissolved	Prep	3005A			449952	12/11/18 15:21	VEG	TAL BUF
Dissolved	Analysis	6010C		1	450613	12/12/18 20:42	AMH	TAL BUF
Total/NA	Prep	3005A			448787	12/06/18 12:55	VEG	TAL BUF
Total/NA	Analysis	6010C		1	450347	12/11/18 18:20	LMH	TAL BUF
Dissolved	Filtration	FILTRATION			449676	12/07/18 15:07	VEG	TAL BUF
Dissolved	Prep	7470A			450160	12/11/18 11:20	BMB	TAL BUF
Dissolved	Analysis	7470A		1	450261	12/11/18 15:00	BMB	TAL BUF
Total/NA	Prep	7470A			448700	12/03/18 11:55	BMB	TAL BUF
Total/NA	Analysis	7470A		1	448800	12/03/18 16:41	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	448698	12/03/18 10:37	RAF	TAL BUF

Lab Chronicle

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Client Sample ID: MW-7S

Lab Sample ID: 480-146019-11

Date Collected: 11/29/18 13:40
Date Received: 12/01/18 01:00

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	449069	12/05/18 18:35	S1V	TAL BUF
Dissolved	Filtration	FILTRATION			449676	12/07/18 15:07	VEG	TAL BUF
Dissolved	Prep	3005A			449952	12/11/18 15:21	VEG	TAL BUF
Dissolved	Analysis	6010C		1	450613	12/12/18 20:57	AMH	TAL BUF
Total/NA	Prep	3005A			448787	12/06/18 12:55	VEG	TAL BUF
Total/NA	Analysis	6010C		1	450347	12/11/18 18:24	LMH	TAL BUF
Dissolved	Filtration	FILTRATION			449676	12/07/18 15:07	VEG	TAL BUF
Dissolved	Prep	7470A			450160	12/11/18 11:20	BMB	TAL BUF
Dissolved	Analysis	7470A		1	450261	12/11/18 15:01	BMB	TAL BUF
Total/NA	Prep	7470A			448700	12/03/18 11:55	BMB	TAL BUF
Total/NA	Analysis	7470A		1	448800	12/03/18 16:43	BMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	448885	12/04/18 09:00	RAF	TAL BUF

Client Sample ID: Trip Blank

Lab Sample ID: 480-146019-12

Date Collected: 11/29/18 00:00
Date Received: 12/01/18 01:00

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	449069	12/05/18 18:59	S1V	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

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 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
624		Ground Water	1,1,1-Trichloroethane
624		Ground Water	1,1,2,2-Tetrachloroethane
624		Ground Water	1,1,2-Trichloroethane
624		Ground Water	1,1-Dichloroethane
624		Ground Water	1,1-Dichloroethene
624		Ground Water	1,2-Dichlorobenzene
624		Ground Water	1,2-Dichloroethane
624		Ground Water	1,2-Dichloroethene, Total
624		Ground Water	1,2-Dichloropropane
624		Ground Water	1,3-Dichlorobenzene
624		Ground Water	1,4-Dichlorobenzene
624		Ground Water	2-Chloroethyl vinyl ether
624		Ground Water	Acrolein
624		Ground Water	Acrylonitrile
624		Ground Water	Benzene
624		Ground Water	Bromoform
624		Ground Water	Bromomethane
624		Ground Water	Carbon tetrachloride
624		Ground Water	Chlorobenzene
624		Ground Water	Chlorodibromomethane
624		Ground Water	Chloroethane
624		Ground Water	Chloroform
624		Ground Water	Chloromethane
624		Ground Water	cis-1,3-Dichloropropene
624		Ground Water	Dichlorobromomethane
624		Ground Water	Ethylbenzene
624		Ground Water	Methylene Chloride
624		Ground Water	Tetrachloroethene
624		Ground Water	Toluene
624		Ground Water	trans-1,2-Dichloroethene
624		Ground Water	trans-1,3-Dichloropropene
624		Ground Water	Trichloroethene
624		Ground Water	Vinyl chloride
624		Water	1,1,1-Trichloroethane
624		Water	1,1,2,2-Tetrachloroethane
624		Water	1,1,2-Trichloroethane
624		Water	1,1-Dichloroethane
624		Water	1,1-Dichloroethene
624		Water	1,2-Dichlorobenzene
624		Water	1,2-Dichloroethane
624		Water	1,2-Dichloroethene, Total
624		Water	1,2-Dichloropropane
624		Water	1,3-Dichlorobenzene
624		Water	1,4-Dichlorobenzene
624		Water	2-Chloroethyl vinyl ether

Laboratory: TestAmerica Buffalo (Continued)

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

624	Water	Acrolein
624	Water	Acrylonitrile
624	Water	Benzene
624	Water	Bromoform
624	Water	Bromomethane
624	Water	Carbon tetrachloride
624	Water	Chlorobenzene
624	Water	Chlorodibromomethane
624	Water	Chloroethane
624	Water	Chloroform
624	Water	Chloromethane
624	Water	cis-1,3-Dichloropropene
624	Water	Dichlorobromomethane
624	Water	Ethylbenzene
624	Water	Methylene Chloride
624	Water	Tetrachloroethene
624	Water	Toluene
624	Water	trans-1,2-Dichloroethene
624	Water	trans-1,3-Dichloropropene
624	Water	Trichloroethene
624	Water	Vinyl chloride

Method Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL BUF
3005A	Preparation, Total Metals	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
FILTRATION	Sample Filtration	None	TAL BUF

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
None = None

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

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

Sample Summary

Client: Town of Dewitt
Project/Site: Town of Dewitt

TestAmerica Job ID: 480-146019-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-146019-1	MW-10S	Ground Water	11/29/18 14:00	12/01/18 01:00
480-146019-2	MW-11D	Ground Water	11/29/18 14:40	12/01/18 01:00
480-146019-3	MW-12S	Ground Water	11/29/18 13:00	12/01/18 01:00
480-146019-4	MW-1S	Ground Water	11/29/18 15:20	12/01/18 01:00
480-146019-5	MW-2D	Ground Water	11/29/18 12:15	12/01/18 01:00
480-146019-6	MW-2S	Ground Water	11/29/18 12:00	12/01/18 01:00
480-146019-7	MW-3S	Ground Water	11/29/18 09:45	12/01/18 01:00
480-146019-8	MW-4D	Ground Water	11/29/18 10:15	12/01/18 01:00
480-146019-9	MW-5D	Ground Water	11/29/18 10:55	12/01/18 01:00
480-146019-10	MW-5S	Ground Water	11/29/18 10:40	12/01/18 01:00
480-146019-11	MW-7S	Ground Water	11/29/18 13:40	12/01/18 01:00
480-146019-12	Trip Blank	Water	11/29/18 00:00	12/01/18 01:00

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

Albany #224

Chain of Custody Record

TestAmerica

480-146019 COC

Client Information	Sampler: Tim Knollmyer	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-120780-17665.2
Client Contact: Michael Moracco	Phone: 413-230-8415	E-Mail: orlette.johnson@testamericainc.com		Page: Page 2 of 2
Company: Town of Dewitt				Job #:
Address: 5400 Butternut Drive	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13057				
Phone:	PO #: Purchase Order not required			
Email: mmoracco@townofdewitt.com	WO #:			
Project Name: Town of Dewitt/ Event Desc: Groundwater - Annual (3)	Project #: 48009871			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

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)	8010C, 7470A	624_5ml - Volatiles	2540C_Calcd - Total Dissolved Solids	6010C, 7470A	DISS metals	PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	D	A	N	N	N	N								X	
MW-2S	11-29-18	1200	G	Water			X	X	X	X											
MW-12S	11-29-18	1300	G	Water			X	X	X	X											
MW-7S	11-29-18	1340	G	Water			X	X	X	X	X	X									
MW-10S	11-29-18	1400	G	Water			X	X	X	X											
MW-5D	11-29-18	1055	G	Water			X	X	X	X											
MW-5S	11-29-18	1040	G	Water			X	X	X	X	X										
MW-11D	11-29-18	1440	G	Water			X	X	X	X	X										
TRIP BLANK			G					X													

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Tim Knollmyer	11-30-18 1800	TA Albany	Lorraine Velleuerne	12-01-18 0100	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.4 1.5 #3

Ver: 08/04/2016

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

Albany #224

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Tim Knollman	Lab PM: Johnson, Oriette S	Carrier Tracking No(s):	COC No: 480-120780-17665.1
Client Contact: Michael Moracco	Phone: 413-230-8415	E-Mail: orlette.johnson@testamericainc.com		Page: Page 1 of 2
Company: Town of Dewitt				Job #:
Address: 5400 Butternut Drive	Due Date Requested:			
City: East Syracuse	TAT Requested (days):			
State, Zip: NY, 13057				
Phone:	PO #: Purchase Order not required			
Email: mmoracco@townofdewitt.com	WO #:			
Project Name: Town of Dewitt/ Event Desc: Groundwater - Annual (3)	Project #: 48009871			
Site: New York	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

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)	6010C, 7470A	624_5ml - Volatiles	2540C_Calcd - Total Dissolved Solids	6010C, 7470A	DISS metals	PFAS								Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	A	N	N	N	N									
~~MW-6S~~				Water																	
MW-8D				Water																	
MW-8S				Water																	
MW-9D				Water																	
MW-9M	11-29-18			Water																	
MW-9S				Water																	
MW-3S	11-29-18	0945	G	Water			X	X	X												
~~MW-4S~~				Water																	TDC 11-29-18
MW-4D	11-29-18	1015	G	Water			X	X	X			X									
MW-1S	11-29-18	1520	G	Water			X	X	X												
MW-2D	11-29-18	1215	G	Water			X	X	X												

TDC

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Tim Knollman	11-30-18 1600	TA Alb	Lorcer Pelicore	12-01-18 0100	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.4 1.5 #3

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: Town of Dewitt

Job Number: 480-146019-1

Login Number: 146019

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kinecki, Kenneth P

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	TA Albany
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	