Woman Owned Business
Aztech Environmental
TECHNOLOGIES
5 McCrea Hill Road • Ballston Spa, New York 12020

Charles T Gregory
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, NY 12233-7014

December 31, 2018

Re: Third Quarter, 2018 O&M Status Report at Mohonk Road Industrial Site
Site Number: 356023

Mr. Gregory,

Aztech Environmental Technologies (Aztech) has prepared the following correspondence to summarize operation and maintenance activities and laboratory analytical results for the above referenced project. The fieldwork summarized within this report includes operation and maintenance activities and system sampling results conducted by Aztech for the third quarter of 2018.

July 6, 2018

Aztech personnel mobilized to the site to perform maintenance and collect routine system samples. The system was running upon arrival. Routine grounds maintenance was performed. Technicians inspected the status of the sub-slab depressurization system (SSDS) fans mounted on the exterior of the industrial building adjacent to the treatment system and found SSDS-2 to be inactive. This was noted on the field log and reported to NYSDEC. Samples were collected from recovery wells 7R, ERT-1, 5-R as well as the combined system influent and, system effluent. System readings were also recorded. Samples were later sent to Test America for VOC analysis via method 624. After collecting the samples the system was shut down to exercise the flow valves and clean the flow meters. The system was subsequently restarted and was running upon departure from the site. The analytical results of the system samples are summarized in the table below.

Analytical Results –July 6, 2018 Concentrations in µg/L				
Sample	**1,1-DCA**	**1,1-DCE**	**1,1,1-TCA**	**TCE**
7R	25	9.5	65	0.93
ERT-1	7.9	17	47	5.1
5R	3.3	9.9	36	4.5
Combined Influent	12	12	50	3.6
Effluent	ND	ND	ND	ND
Notes:	ND = Non-Detect NS = Not Sampled; well not operating			

July 12, 2018

Aztech personnel mobilized to the site to perform maintenance and collect system readings. The system was running upon arrival. Routine grounds maintenance was performed. The system was shut down to exercise the flow valves and clean the flow meters. Additionally, the air stripper was disassembled, cleaned with muriatic acid, and reassembled. The system was subsequently restarted and was running upon departure from the site.

August 7, 2018

Aztech personnel mobilized to the site to perform maintenance and collect routine system samples. The system was running upon arrival. Routine grounds maintenance was performed. Samples were collected from recovery wells 7R, ERT-1, 5-R as well as the combined system influent and, system effluent. System readings were also recorded. Samples were later sent to Test America for VOC analysis via method 624. After collecting the samples the system was shut down to exercise the flow valves and clean the flow meters. The system was subsequently restarted and was running upon departure from the site. The analytical results of the system samples are summarized in the table below.

Analytical Results – August 7, 2018
Concentrations in µg/L

Sample	1,1-DCA	1,1-DCE	1,1,1-TCA	TCE
7R	19	9.4	51	1
ERT-1	7.7	15	36	4.7
5R	2.6	9	27	4.1
Combined Influent	9.9	11	38	3.5
Effluent	ND	ND	ND	ND
Notes:	ND = Non-Detect NS = Not Sampled; well not operating			

August 17, 2018

Aztech personnel mobilized to the site to perform maintenance and collect system readings. The system was running upon arrival. Routine grounds maintenance was performed. Technicians inspected the status of the SSDS fans mounted on the exterior of the industrial building adjacent to the treatment system and found SSDS-2 to be inactive. During this visit, technicians noted that the power switch to SSDS-2 has been switched to the off position. SSDS-2 was reactivated at this time with no additional maintenance issues to report. Technicians also noted that there was water present on the floor caused from condensation forming on the air stripper, batch tank and piping. Excess condensation that had accumulated on the floor was squeegeed into the floor sump for treatment via the air stripper. The system was shut down to exercise the flow valves and clean the flow meters. The system was subsequently restarted and was running upon departure from the site.

September 5, 2018

Aztech personnel mobilized to the site to perform maintenance and collect routine system samples. The system was running upon arrival. Routine grounds maintenance was performed. Technicians inspected the status of the SSDS fans mounted on the exterior of the industrial building adjacent to the treatment system and found the system to be running with no maintenance issues to report. Samples were collected from recovery wells 7R, ERT-1, 5-R as well as the combined system influent and, system effluent. System readings were also recorded.

Samples were later sent to Test America for VOC analysis via method 624. After collecting the samples the system was shut down to exercise the flow valves and clean the flow meters. The pH meter was also cleaned as it appeared to be reporting erroneous data. The cleaning further decreased the accuracy of the pH probe readings. It was determined that the electrode within the pH probe had expired so a new electrode was sourced to be installed during a future O&M visit. The system was subsequently restarted and was running upon departure from the site. The analytical results of the system samples are summarized in the table below.

Analytical Results – September 5, 2018 **Concentrations in µg/L**				
Sample	**1,1-DCA**	**1,1-DCE**	**1,1,1-TCA**	**TCE**
7R	22	10	58	1.2
ERT-1	8.1	16	41	5.2
5R	3.2	11	36	5.1
Combined Influent	11	12	45	3.8
Effluent	ND	ND	ND	ND
Notes:	ND = Non-Detect NS = Not Sampled; well not operating			

September 17 2018

Aztech personnel mobilized to the site to perform maintenance and collect system readings. The system was running upon arrival. Routine grounds maintenance was performed. The system was shut down to exercise the flow valves and clean the flow meters. Additionally, the walls within the treatment system housing were treated with a mold cleaning agent and wiped down to remove mold and excess condensation from the walls near the batch tank and air stripper. It was also discovered that the Redux metering pump had lost prime since the previous O&M visit. The metering pump was re-primed and tested for proper operation. The system was subsequently restarted and was running upon departure from the site.

Summary and Recommendations

Operational issues have been identified during the ongoing operation and maintenance activities conducted at the site. As such, Aztech offers the following recommendations for NYSDEC's consideration:

- Scaling: In September 2017, a chemical injection system to administer the hardness sequestering agent Redux 390 was incorporated into the treatment system. The injection system was constructed by reutilizing legacy chemical metering equipment. The metering pump was calibrated to the chemical manufacturer's recommended dosage of 75ppm of Redux 390 for an influent flow rate of 27gpm. The manufacturer's recommended injection rate for chemical additives is often higher than necessary. However, Redux 390 will also help descale legacy piping where existing scaling is present. For this reason, Aztech recommends running the system at the recommended dosage for a period of at least 1 year. Following the minimum 1 year period, Aztech recommends slowly adjusting the dosage to more efficiently meet the needs of the system as to minimize chemical consumption and overall cost of operation.
    - Redux Metering Pump: Before the ideal dosage rate can be determined, the accuracy of the metering pump dosage settings will need to be investigated further. During the Quarter 3 reporting period, approximately three (3) 55-gallon drums of Redux were consumed. This is an average of approximately 1 drum per month, which is greater than

the estimated rate of 1 drum per 1.5 months. The chemical metering pump in service is a legacy unit from the sulfuric acid injection system previously utilized at the site. Aztech recommends that a dosage metering calibration system, consisting of several ball valves, tubing, a graduated cylinder and a stopwatch be installed. This will allow the metering pump to be tested periodically by technicians in order to determine whether or not the dosage delivered to the treatment system is consistent with the metering pump settings. Once this determination is made, the proper dosage required to eliminate further scaling within treatment system components can be determined over time. If tests show that the metering pump is delivering inconsistent doses to the treatment system, Aztech recommends that the metering pump be replaced with a new unit.

- Acetone: During the routine O&M mobilization on March 9th, 2018, technicians collected additional samples at the request of NYSDEC in an effort to determine the cause of frequent detections of acetone in the effluent stream. The results for the three chosen locations (directly from the influent batch treatment tank, directly downstream of the bag filter housings, and directly from the effluent pump drain port) all reported a ND result. The effluent sampling port is only several feet downstream of the effluent pump drain port, indicating that the source of acetone may be located in this section of piping. However, further testing would be required to make this determination. It is important to note that the detections of acetone in the effluent stream have consistently been significantly lower than the 50 ug/L limitation imposed by the SPDES-equivalent discharge permit, and have generally been reported as with a "J" qualifier. This qualifier indicates that the detection of acetone is lower than the reporting limit (RL) but greater than the method detection limit (MDL), and the concentration is an approximated value. It is hypothesized that this detection is the result of a solvent used to bond the PVC joints together, or similar, leaching into the process stream. At this time it is recommended that the acetone level be monitored, but that no further action be taken unless the detected concentration of acetone increases.
    - In the time since the additional sampling that took place on March 9th, no results exceeding 50 ug/L of acetone in the effluent have been reported. Aztech recommends that the acetone levels continue to be monitored within the routine system sampling plan.

- Condensation: The new treatment system enclosure within the building has been encountering an issue with condensation in the warmer months since it was built. Mold frequently forms on the walls and equipment due to this condensation. It is believed that ventilating the room may cause the accumulation of condensation to become worse, as the heat exchange from ventilation air across the cold groundwater flowing through the system may actually foster the production of additional condensation. Aztech recommends sourcing an appropriately sized dehumidifier for the enclosure, and that the dehumidifier's collection sump be plumbed to the existing floor sump in the building to prevent overflowing and additional mold growth.

- Operational Costs: Aztech will continue to evaluate methods to decrease operational costs and improve treatment efficiency of the system.

Aztech would like to thank you for the opportunity to offer our services for this site.

If you have any questions or comments regarding the information contained herein, please contact our office at 518-885-5383.

Sincerely,
Aztech Environmental Technologies

Andrew Talbot
Project Engineer

Attachments:
- Field Log Sheets
- Laboratory Analytical Reports

Mohonk Road - Groundwater Remediation System Checklist

Date: 7/6/16 **Personnel Onsite Initials:** BS, KA

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	6.2	9285500
(W7RFLO)	8.0	10456012
(W5RFLO)	7.8	6253729

Input Name	Water Level (Procontrol)
W5RLVL	-86.94
W7RLVL	-86.38
ER1LVL	-82.92

Location/ Input name	Pressure (Procontrol)
Transfer Pump (PREBAG)	3.8
Air Stripper (AS_PRS)	27.35
Discharge Pump (DSCPRS)	23.1

Location	Temp (Procontrol)
Room (RM_TMP)	71.8
Air Stripper (AS_TMP)	92.3
Discharge Pump (H2OTMP)	55.3

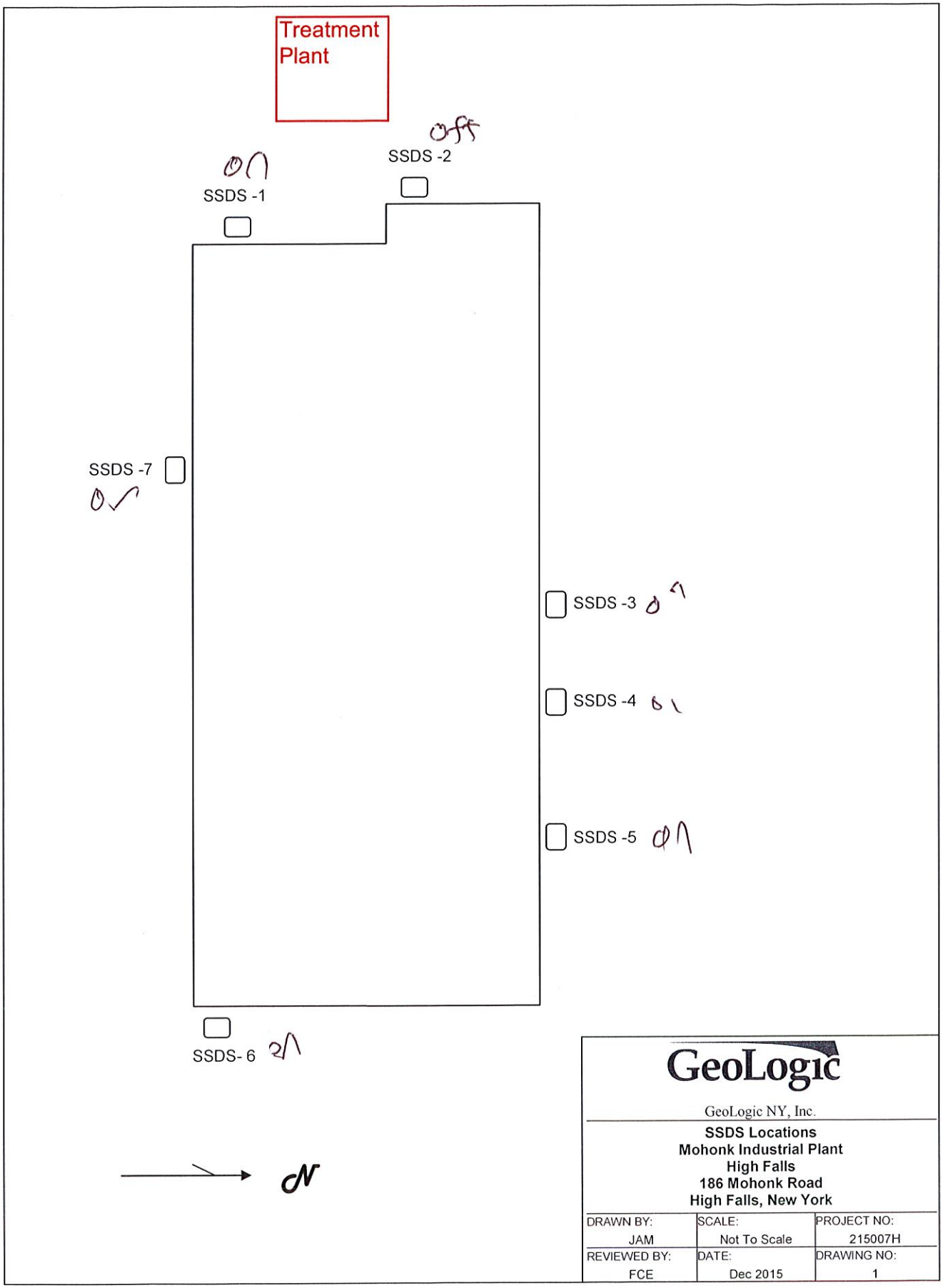
Exterior of building checked and grounds maintained (weedwack, etc)	Y / (N)
pH Probe calibrated due to discrepency	Y / (N)
Clean influent flow meters	(Y) N
Exercise flow valves	Y / (N)
Duplicate Sample ID	

Location	pH
Effluent (EFF_PH)	8.08
Effluent (Measured)	7.9

Redux remaining (in. from bottom)	New drum

Take the following steps to record the flow totalizer for each well on the ProControl
i. Login to ProControl (Password: EOS).
ii. Once logged in, press the "I/O Up" key until "ER1FLO" is on the display
iii. Press "Set Hi/Lo" key until "Totalizer" is displayed and record the value
iv. Once value is recorded, press "Set Hi/Lo" until "ER1FLO" is on the display
v. Repeat steps ii-iv for W7RFLO and W5RFLO

Notes: System running on arrival, sampled system, switched redox drum, took system readings, Cleaned flowmeters, & ↳ bled chem pump, checked SSDS systems on buildings. #2 was off, the rest were on.



GeoLogic

GeoLogic NY, Inc.

SSDS Locations
Mohonk Industrial Plant
High Falls
186 Mohonk Road
High Falls, New York

DRAWN BY:	SCALE:	PROJECT NO:
JAM	Not To Scale	215007H
REVIEWED BY:	DATE:	DRAWING NO:
FCE	Dec 2015	1

FILE:\..\TEMPLATE\SKETCH\PROPERTY LOCATION.DOCX

Mohonk Road - Groundwater Remediation System Checklist

Date: 7-12-18 **Personnel Onsite Initials:** Lens / Derick

Input Name	*Flow Rates (On Meter)*	*Totalizer (Procontrol)*
(ER1FLO)	8.30	9357355
(W7RFLO)	8.25	10526552
(W5RFLO)	8.05	6319253

Input Name	*Water Level (Procontrol)*
W5RLVL	-86.79
W7RLVL	-87.82
ER1LVL	-83.61

Location/ Input name	*Pressure (Procontrol)*
Transfer Pump (PREBAG)	3.8
Air Stripper (AS_PRS)	27.41
Discharge Pump (DSCPRS)	25.1

Location	*Temp (Procontrol)*
Room (RM_TMP)	72.1
Air Stripper (AS_TMP)	92.2
Discharge Pump (H2OTMP)	53.9

Exterior of building checked and grounds maintained (weedwack, etc)	Y / (N)
pH Probe calibrated due to discrepency	Y / (N)
Clean influent flow meters	(Y) N
Exercise flow valves	(Y) / N
Duplicate Sample ID	

Location	*pH*
Effluent (EFF_PH)	7.72
Effluent (Measured)	7.5

Redux remaining (in. from bottom)	2/3 of a drum

Take the following steps to record the flow totalizer for each well on the ProControl
i. Login to ProControl (Password: EOS).
ii. Once logged in, press the "I/O Up" key until "ER1FLO" is on the display
iii. Press "Set Hi/Lo" key until "Totalizer" is displayed and record the value
iv. Once value is recorded, press "Set Hi/Lo" until "ER1FLO" is on the display
v. Repeat steps ii-iv for W7RFLO and W5RFLO

Notes: Shut System Down & clean air Stripper on Door. Start System Back up

Still mold growing on wall in Back of water tank

Shut off Heat tape To Influent & Effluent lines

Mohonk Road - Groundwater Remediation System Checklist

Date: 8/7/18 **Personnel Onsite Initials:** JM / JS

Input Name	*Flow Rates (On Meter)*	*Totalizer (Procontrol)*
(ER1FLO)	8.8	9635754
(W7RFLO)	8.6	10799857
(W5RFLO)	8.5	6580798

Input Name	*Water Level (Procontrol)*
W5RLVL	-81.81
W7RLVL	-83.02
ER1LVL	-78.25

Location/ Input name	*Pressure (Procontrol)*
Transfer Pump (PREBAG)	3.7
Air Stripper (AS_PRS)	26.19
Discharge Pump (DSCPRS)	4.4

Location	*Temp (Procontrol)*
Room (RM_TMP)	74
Air Stripper (AS_TMP)	100.5
Discharge Pump (H2OTMP)	52.1

Exterior of building checked and grounds maintained (weedwack, etc)	(Y) / N
pH Probe calibrated due to discrepency	Y / (N)
Clean influent flow meters	(Y) / N
Exercise flow valves	(Y) / N
Duplicate Sample ID	

Location	*pH*
Effluent (EFF_PH)	8.06
Effluent (Measured)	7.8

Redux remaining (in. from bottom)	NEW DRUM

Take the following steps to record the flow totalizer for each well on the ProControl
i. Login to ProControl (Password: EOS).
ii. Once logged in, press the "I/O Up" key until "ER1FLO" is on the display
iii. Press "Set Hi/Lo" key until "Totalizer" is displayed and record the value
iv. Once value is recorded, press "Set Hi/Lo" until "ER1FLO" is on the display
v. Repeat steps ii-iv for W7RFLO and W5RFLO

Notes: SYSTEM RUNNING UPON ARRIVAL -
REDUX DRUM EMPTY (3 EMPTY / 3 FULL) PRIME SYSTEM ON NEW DRUM
COLLECT SAMPLES FROM 7R/ERT-1/5R/INF/EFF
COLLECT SYSTEM PARAMETERS
WEED WACK AROUND BUILDING

Mohonk Road - Groundwater Remediation System Checklist

Date: 8-17-18 **Personnel Onsite Initials:** LH JS

Input Name	*Flow Rates (On Meter)*	*Totalizer (Procontrol)*
(ER1FLO)	9.0	5762709
(W7RFLO)	8.8	109 24308
(W5RFLO)	9.0	6705231

Input Name	*Water Level (Procontrol)*
W5RLVL	78.39
W7RLVL	81.26
ER1LVL	76.75

Location/ Input name	*Pressure (Procontrol)*
Transfer Pump (PREBAG)	4.1
Air Stripper (AS_PRS)	2650
Discharge Pump (DSCPRS)	24.6

Location	*Temp (Procontrol)*
Room (RM_TMP)	71.7
Air Stripper (AS_TMP)	95.1
Discharge Pump (H2OTMP)	53.8

Exterior of building checked and grounds maintained (weedwack, etc)	(Y) / N
pH Probe calibrated due to discrepency	Y / (N)
Clean influent flow meters	(Y) / N
Exercise flow valves	(Y) / N
Duplicate Sample ID	N/A

Location	*pH*
Effluent (EFF_PH)	7.9
Effluent (Measured)	~~7.4~~ 7.5

Redux remaining (in. from bottom)	2.25 DRUMS as of 8-17-18

Take the following steps to record the flow totalizer for each well on the ProControl
i. Login to ProControl (Password: EOS).
ii. Once logged in, press the "I/O Up" key until "ER1FLO" is on the display
iii. Press "Set Hi/Lo" key until "Totalizer" is displayed and record the value
iv. Once value is recorded, press "Set Hi/Lo" until "ER1FLO" is on the display
v. Repeat steps ii-iv for W7RFLO and W5RFLO

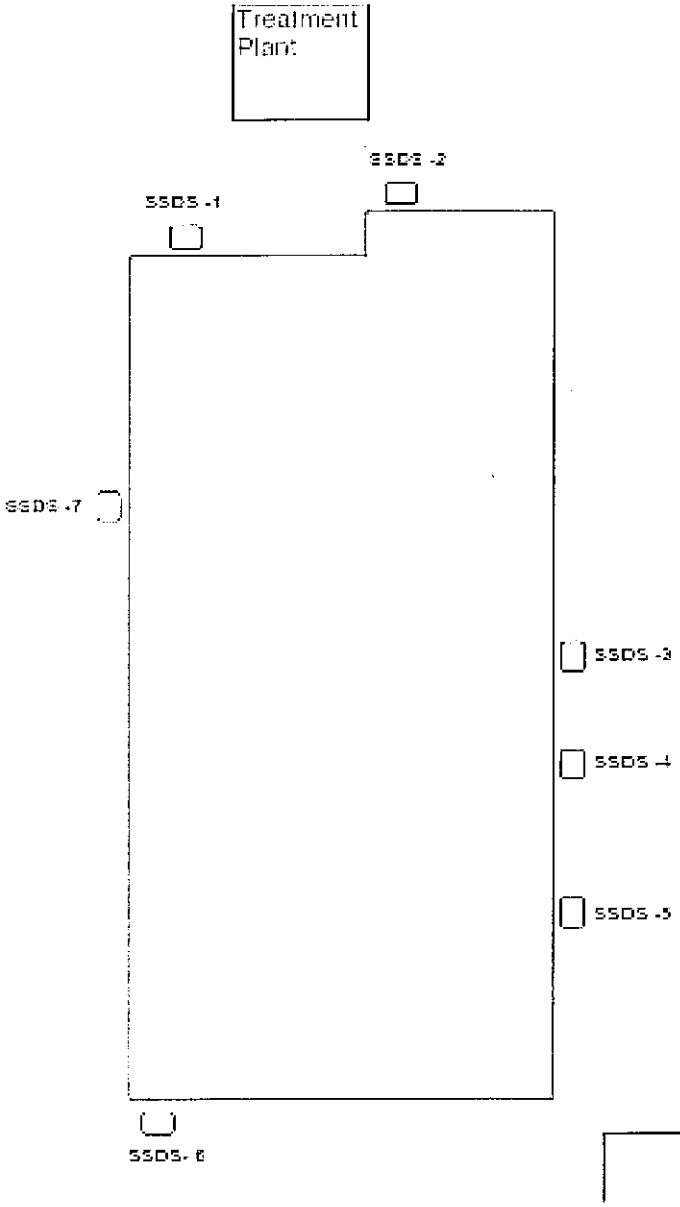
Notes: 0900 Lots of water on floor Dew to condensation from air Stripper & Storage tank & piping
1315 Hook Chemical pump up to a New Drum

Mohonk Road - SSD System Checklist

Date:

Fan	On/Off
1	ON
2	~~OFF~~ ON
3	ON
4	ON
5	ON
6	ON
7	ON

WAS TURNED OFF BACK ON



GeoLogic

Mohonk Road - Groundwater Remediation System Checklist

Date: 9/5/18 **Personnel Onsite Initials:** MD / ZC

Input Name	*Flow Rates (On Meter)*	*Totalizer (Procontrol)*
(ER1FLO)	8.75	10010658
(W7RFLO)	8.60	11167213
(W5RFLO)	8.70	69490666

Input Name	*Water Level (Procontrol)*
W5RLVL	-82.30
W7RLVL	-83.86
ER1LVL	-79.66

Location/ Input name	*Pressure (Procontrol)*
Transfer Pump (PREBAG)	4.2
Air Stripper (AS_PRS)	26.40
Discharge Pump (DSCPRS)	24.6

Location	*Temp (Procontrol)*
Room (RM_TMP)	72.6
Air Stripper (AS_TMP)	97.6
Discharge Pump (H2OTMP)	51.4

Exterior of building checked and grounds maintained (weedwack, etc)	(Y) N
pH Probe calibrated due to discrepency	Y / (N)
Clean influent flow meters	(Y) N
Exercise flow valves	(Y) N
Duplicate Sample ID	—

Location	*pH*
Effluent (EFF_PH)	7.10
Effluent (Measured)	7.5

Redux remaining (in. from bottom)	13"

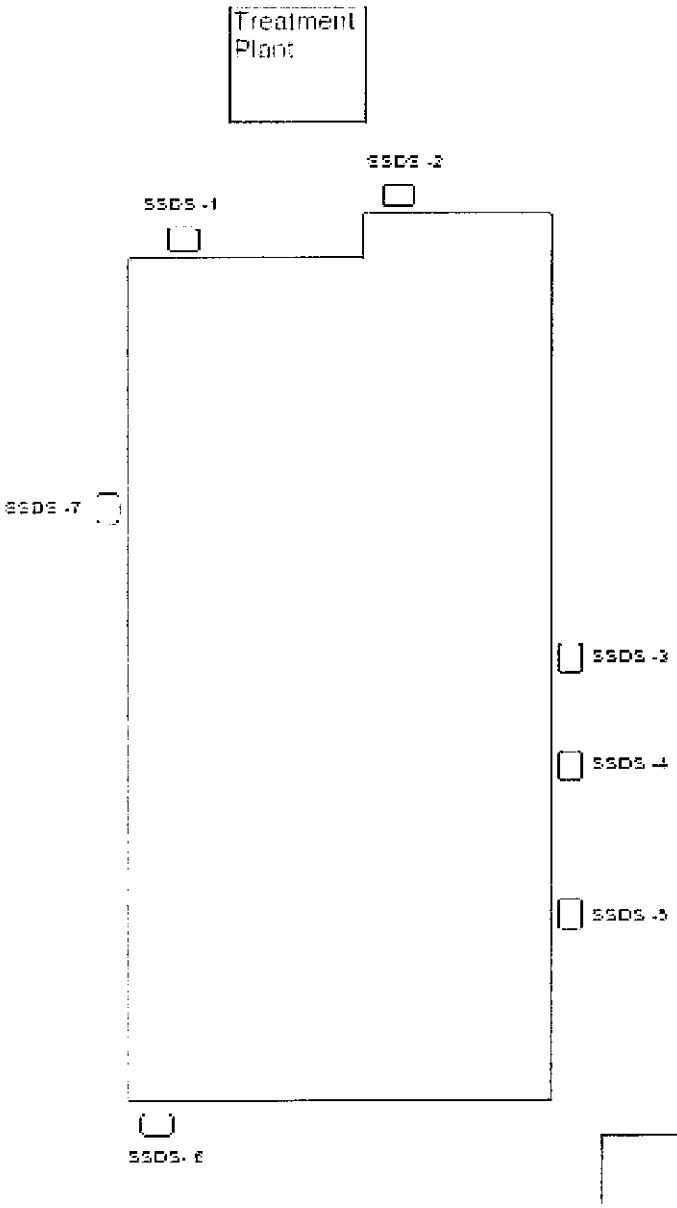
Take the following steps to record the flow totalizer for each well on the ProControl
i. Login to ProControl (Password: EOS).
ii. Once logged in, press the "I/O Up" key until "ER1FLO" is on the display
iii. Press "Set Hi/Lo" key until "Totalizer" is displayed and record the value
iv. Once value is recorded, press "Set Hi/Lo" until "ER1FLO" is on the display
v. Repeat steps ii-iv for W7RFLO and W5RFLO

Notes:
- System running upon arrival
- collect sample
- clean flow meters
- collect system readings
- pull pH meter and clean
- perform ground maintenance

Mohonk Road - SSD System Checklist

Date: 9/5/18

Fan	*On/Off*
1	On
2	On
3	On
4	On
5	On
6	On
7	On



GeoLogic

Mohonk Road - Groundwater Remediation System Checklist

Date: 9/17/18 **Personnel Onsite Initials:** LH / ZC

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	9.05	10160344
(W7RFLO)	9.05	11313948
(W5RFLO)	9.00	7096422

Input Name	Water Level (Procontrol)
W5RLVL	78.91
W7RLVL	82.70
ER1LVL	77.16

Location/ Input name	Pressure (Procontrol)
Transfer Pump (PREBAG)	4.0
Air Stripper (AS_PRS)	26.47
Discharge Pump (DSCPRS)	3.2

Location	Temp (Procontrol)
Room (RM_TMP)	~~70~~°
Air Stripper (AS_TMP)	92.6
Discharge Pump (H2OTMP)	50°

Exterior of building checked and grounds maintained (weedwack, etc)	(Y) / N
pH Probe calibrated due to discrepency	Y / (N)
Clean influent flow meters	(Y) / N
Exercise flow valves	(Y) / N
Duplicate Sample ID	

Location	pH
Effluent (EFF_PH)	9.32 PRO CONTROL,
Effluent (Measured)	7.5

Redux remaining (in. from bottom)	1.3 DRUMS

Take the following steps to record the flow totalizer for each well on the ProControl
i. Login to ProControl (Password: EOS).
ii. Once logged in, press the "I/O Up" key until "ER1FLO" is on the display
iii. Press "Set Hi/Lo" key until "Totalizer" is displayed and record the value
iv. Once value is recorded, press "Set Hi/Lo" until "ER1FLO" is on the display
v. Repeat steps ii-iv for W7RFLO and W5RFLO

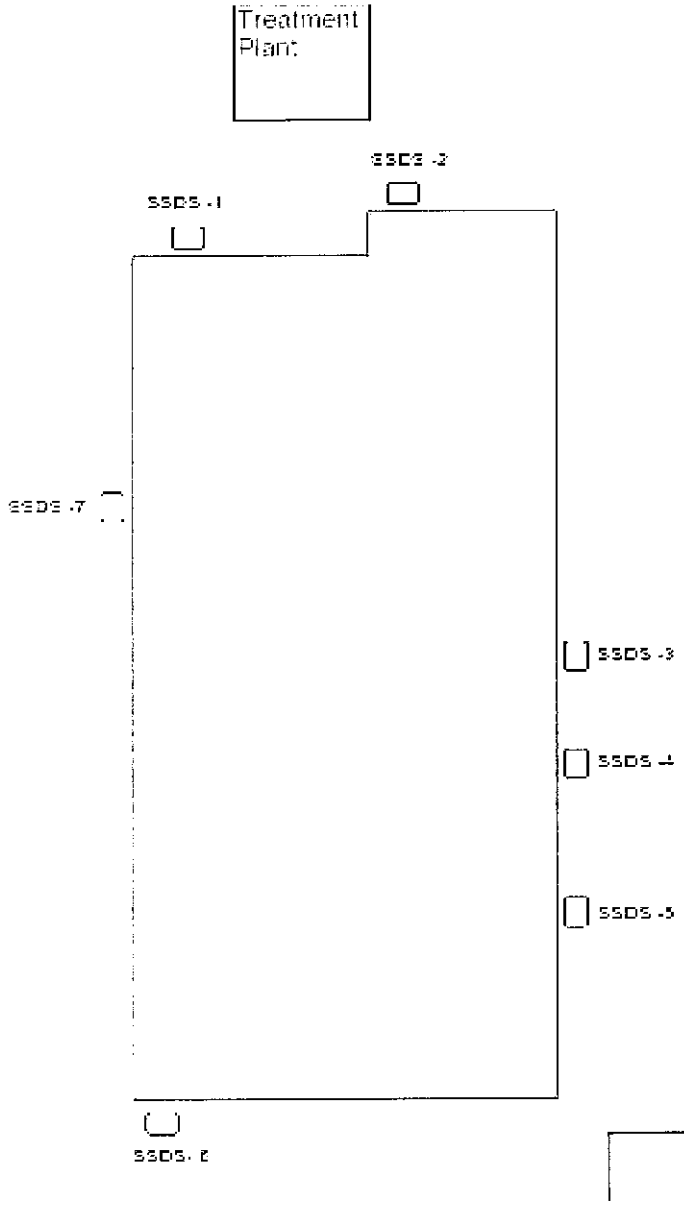
Notes: wipe Down mold on walls Behind air stripper & tanks

Redox Lost prime Installed in effluent line in another area & primed

Mohonk Road - SSD System Checklist

Date: 9/17/18

Fan	On/Off
1	Yes
2	Yes
3	Yes
4	Yes
5	Yes
6	Yes
7	Yes



GeoLogic

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: 480-139068-1
Client Project/Site: DEC Mohonk Rd. #356023

For:
Aztech Technologies Inc
5 McCrea Hill Road
Ballston Spa, New York 12020

Attn: Andrew Talbot

Authorized for release by:
8/14/2018 11:30:31 AM

Judy Stone, Senior Project Manager
(484)685-0868
judy.stone@testamericainc.com

LINKS

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I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Judy Stone
Senior Project Manager
8/14/2018 11:30:32 AM

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.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

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: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-139068-1

Job ID: 480-139068-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-139068-1

Receipt
The samples were received on 7/18/2018 12:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.4° C.

Receipt Exceptions
The following samples were received outside of holding time: 7R (480-139068-1), ERT-1 (480-139068-2), 5R (480-139068-3), EFFLUENT (480-139068-4) and COMBINED INFLUENT (480-139068-5). The client requested that these samples be analyzed even though they are outside of holding time for most tests.

GC/MS VOA
No analytical or quality issues were noted, other than those described 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) 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: 7R (480-139068-1), ERT-1 (480-139068-2), 5R (480-139068-3), EFFLUENT (480-139068-4) and COMBINED INFLUENT (480-139068-5).

Method(s) SM 2540D: The following samples were received outside of holding time: 7R (480-139068-1), ERT-1 (480-139068-2), 5R (480-139068-3), EFFLUENT (480-139068-4) and COMBINED INFLUENT (480-139068-5).

Method(s) SM 2540C: The following samples were received outside of holding time: 7R (480-139068-1), ERT-1 (480-139068-2), 5R (480-139068-3), EFFLUENT (480-139068-4) and COMBINED INFLUENT (480-139068-5).

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

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-139068-1

Client Sample ID: 7R
Date Collected: 07/06/18 10:00
Date Received: 07/18/18 00:30

Lab Sample ID: 480-139068-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			07/18/18 16:30	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			07/18/18 16:30	1
Chloroform	ND		5.0	0.54	ug/L			07/18/18 16:30	1
1,1-Dichloroethane	**25**		5.0	0.59	ug/L			07/18/18 16:30	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			07/18/18 16:30	1
1,1-Dichloroethylene	**9.5**		5.0	0.85	ug/L			07/18/18 16:30	1
Methylene Chloride	ND		5.0	0.81	ug/L			07/18/18 16:30	1
Toluene	ND		5.0	0.45	ug/L			07/18/18 16:30	1
1,1,1-Trichloroethane	**65**		5.0	0.39	ug/L			07/18/18 16:30	1
1,4-Dioxane	ND		200	15	ug/L			07/18/18 16:30	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			07/18/18 16:30	1
Trichloroethylene	**0.93**	**J**	5.0	0.60	ug/L			07/18/18 16:30	1
Acetone	**5.2**	**J**	25	2.0	ug/L			07/18/18 16:30	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			07/18/18 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*68 - 130*		*07/18/18 16:30*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 123*		*07/18/18 16:30*	*1*
Toluene-d8 (Surr)	*101*		*77 - 120*		*07/18/18 16:30*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*07/18/18 16:30*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		07/19/18 09:06	07/24/18 14:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**351**	**H**	10.0	4.0	mg/L			07/18/18 14:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND	H	4.0	4.0	mg/L			08/07/18 18:28	1
pH	**7.6**	**HF**	0.1	0.1	SU			07/18/18 15:50	1
Temperature	**21.4**	**HF**	0.001	0.001	Degrees C			07/18/18 15:50	1

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-139068-1

Client Sample ID: ERT-1
Date Collected: 07/06/18 10:05
Date Received: 07/18/18 00:30

Lab Sample ID: 480-139068-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			07/18/18 16:53	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			07/18/18 16:53	1
Chloroform	ND		5.0	0.54	ug/L			07/18/18 16:53	1
1,1-Dichloroethane	**7.9**		5.0	0.59	ug/L			07/18/18 16:53	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			07/18/18 16:53	1
1,1-Dichloroethylene	**17**		5.0	0.85	ug/L			07/18/18 16:53	1
Methylene Chloride	ND		5.0	0.81	ug/L			07/18/18 16:53	1
Toluene	ND		5.0	0.45	ug/L			07/18/18 16:53	1
1,1,1-Trichloroethane	**47**		5.0	0.39	ug/L			07/18/18 16:53	1
1,4-Dioxane	ND		200	15	ug/L			07/18/18 16:53	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			07/18/18 16:53	1
Trichloroethylene	**5.1**		5.0	0.60	ug/L			07/18/18 16:53	1
Acetone	ND		25	2.0	ug/L			07/18/18 16:53	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			07/18/18 16:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*68 - 130*		*07/18/18 16:53*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*		*07/18/18 16:53*	*1*
Toluene-d8 (Surr)	*104*		*77 - 120*		*07/18/18 16:53*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*07/18/18 16:53*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		07/19/18 09:06	07/24/18 15:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**359**	**H**	10.0	4.0	mg/L			07/18/18 14:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND	H	4.0	4.0	mg/L			07/18/18 22:50	1
pH	**7.4**	**HF**	0.1	0.1	SU			07/18/18 15:54	1
Temperature	**21.7**	**HF**	0.001	0.001	Degrees C			07/18/18 15:54	1

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-139068-1

Client Sample ID: 5R
Date Collected: 07/06/18 09:55
Date Received: 07/18/18 00:30

Lab Sample ID: 480-139068-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			07/18/18 17:17	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			07/18/18 17:17	1
Chloroform	ND		5.0	0.54	ug/L			07/18/18 17:17	1
1,1-Dichloroethane	**3.3**	**J**	5.0	0.59	ug/L			07/18/18 17:17	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			07/18/18 17:17	1
1,1-Dichloroethylene	**9.9**		5.0	0.85	ug/L			07/18/18 17:17	1
Methylene Chloride	ND		5.0	0.81	ug/L			07/18/18 17:17	1
Toluene	ND		5.0	0.45	ug/L			07/18/18 17:17	1
1,1,1-Trichloroethane	**36**		5.0	0.39	ug/L			07/18/18 17:17	1
1,4-Dioxane	ND		200	15	ug/L			07/18/18 17:17	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			07/18/18 17:17	1
Trichloroethylene	**4.5**	**J**	5.0	0.60	ug/L			07/18/18 17:17	1
Acetone	ND		25	2.0	ug/L			07/18/18 17:17	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			07/18/18 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*68 - 130*		*07/18/18 17:17*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*07/18/18 17:17*	*1*
Toluene-d8 (Surr)	*104*		*77 - 120*		*07/18/18 17:17*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*07/18/18 17:17*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		07/19/18 09:06	07/24/18 15:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**403**	**H**	10.0	4.0	mg/L			07/18/18 14:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND	H	4.0	4.0	mg/L			07/18/18 22:50	1
pH	**7.5**	**HF**	0.1	0.1	SU			07/18/18 15:57	1
Temperature	**21.6**	**HF**	0.001	0.001	Degrees C			07/18/18 15:57	1

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-139068-1

Client Sample ID: EFFLUENT
Date Collected: 07/06/18 10:15
Date Received: 07/18/18 00:30

Lab Sample ID: 480-139068-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			07/18/18 17:40	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			07/18/18 17:40	1
Chloroform	ND		5.0	0.54	ug/L			07/18/18 17:40	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			07/18/18 17:40	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			07/18/18 17:40	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			07/18/18 17:40	1
Methylene Chloride	ND		5.0	0.81	ug/L			07/18/18 17:40	1
Toluene	ND		5.0	0.45	ug/L			07/18/18 17:40	1
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			07/18/18 17:40	1
1,4-Dioxane	ND		200	15	ug/L			07/18/18 17:40	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			07/18/18 17:40	1
Trichloroethylene	ND		5.0	0.60	ug/L			07/18/18 17:40	1
Acetone	**3.8**	**J**	25	2.0	ug/L			07/18/18 17:40	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			07/18/18 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*68 - 130*		*07/18/18 17:40*	*1*
4-Bromofluorobenzene (Surr)	*100*		*76 - 123*		*07/18/18 17:40*	*1*
Toluene-d8 (Surr)	*106*		*77 - 120*		*07/18/18 17:40*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*07/18/18 17:40*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		07/19/18 09:06	07/24/18 15:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**402**	**H**	10.0	4.0	mg/L			07/18/18 14:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND	H	4.0	4.0	mg/L			07/18/18 22:50	1
pH	**8.3**	**HF**	0.1	0.1	SU			07/18/18 16:00	1
Temperature	**21.6**	**HF**	0.001	0.001	Degrees C			07/18/18 16:00	1

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-139068-1

Client Sample ID: COMBINED INFLUENT

Lab Sample ID: 480-139068-5

Date Collected: 07/06/18 09:50

Matrix: Water

Date Received: 07/18/18 00:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			07/18/18 18:03	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			07/18/18 18:03	1
Chloroform	ND		5.0	0.54	ug/L			07/18/18 18:03	1
1,1-Dichloroethane	**12**		5.0	0.59	ug/L			07/18/18 18:03	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			07/18/18 18:03	1
1,1-Dichloroethylene	**12**		5.0	0.85	ug/L			07/18/18 18:03	1
Methylene Chloride	ND		5.0	0.81	ug/L			07/18/18 18:03	1
Toluene	ND		5.0	0.45	ug/L			07/18/18 18:03	1
1,1,1-Trichloroethane	**50**		5.0	0.39	ug/L			07/18/18 18:03	1
1,4-Dioxane	ND		200	15	ug/L			07/18/18 18:03	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			07/18/18 18:03	1
Trichloroethylene	**3.6**	**J**	5.0	0.60	ug/L			07/18/18 18:03	1
Acetone	ND		25	2.0	ug/L			07/18/18 18:03	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			07/18/18 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*68 - 130*		*07/18/18 18:03*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*07/18/18 18:03*	*1*
Toluene-d8 (Surr)	*104*		*77 - 120*		*07/18/18 18:03*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*07/18/18 18:03*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		07/19/18 09:06	07/24/18 15:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**380**	**H**	10.0	4.0	mg/L			07/18/18 14:02	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND	H	4.0	4.0	mg/L			07/18/18 22:50	1
pH	**7.7**	**HF**	0.1	0.1	SU			07/18/18 16:03	1
Temperature	**20.6**	**HF**	0.001	0.001	Degrees C			07/18/18 16:03	1

Lab Chronicle

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-139068-1

Client Sample ID: 7R

Lab Sample ID: 480-139068-1

Date Collected: 07/06/18 10:00
Matrix: Water
Date Received: 07/18/18 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	425005	07/18/18 16:30	S1V	TAL BUF
Total/NA	Prep	200.7			425128	07/19/18 09:06	JAK	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	426296	07/24/18 14:42	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	425090	07/18/18 14:02	CDC	TAL BUF
Total/NA	Analysis	SM 2540D		1	428478	08/07/18 18:28	MAB	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	425148	07/18/18 15:50	JAH	TAL BUF

Client Sample ID: ERT-1

Lab Sample ID: 480-139068-2

Date Collected: 07/06/18 10:05
Matrix: Water
Date Received: 07/18/18 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	425005	07/18/18 16:53	S1V	TAL BUF
Total/NA	Prep	200.7			425128	07/19/18 09:06	JAK	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	426296	07/24/18 15:11	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	425090	07/18/18 14:02	CDC	TAL BUF
Total/NA	Analysis	SM 2540D		1	425197	07/18/18 22:50	CDC	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	425148	07/18/18 15:54	JAH	TAL BUF

Client Sample ID: 5R

Lab Sample ID: 480-139068-3

Date Collected: 07/06/18 09:55
Matrix: Water
Date Received: 07/18/18 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	425005	07/18/18 17:17	S1V	TAL BUF
Total/NA	Prep	200.7			425128	07/19/18 09:06	JAK	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	426296	07/24/18 15:15	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	425090	07/18/18 14:02	CDC	TAL BUF
Total/NA	Analysis	SM 2540D		1	425197	07/18/18 22:50	CDC	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	425148	07/18/18 15:57	JAH	TAL BUF

Client Sample ID: EFFLUENT

Lab Sample ID: 480-139068-4

Date Collected: 07/06/18 10:15
Matrix: Water
Date Received: 07/18/18 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	425005	07/18/18 17:40	S1V	TAL BUF
Total/NA	Prep	200.7			425128	07/19/18 09:06	JAK	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	426296	07/24/18 15:18	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	425090	07/18/18 14:02	CDC	TAL BUF
Total/NA	Analysis	SM 2540D		1	425197	07/18/18 22:50	CDC	TAL BUF

Lab Chronicle

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-139068-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-139068-4

Date Collected: 07/06/18 10:15

Matrix: Water

Date Received: 07/18/18 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 H+ B		1	425148	07/18/18 16:00	JAH	TAL BUF

Client Sample ID: COMBINED INFLUENT

Lab Sample ID: 480-139068-5

Date Collected: 07/06/18 09:50

Matrix: Water

Date Received: 07/18/18 00:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	425005	07/18/18 18:03	S1V	TAL BUF
Total/NA	Prep	200.7			425128	07/19/18 09:06	JAK	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	426296	07/24/18 15:22	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	425090	07/18/18 14:02	CDC	TAL BUF
Total/NA	Analysis	SM 2540D		1	425197	07/18/18 22:50	CDC	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	425148	07/18/18 16:03	JAH	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-139068-1

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 accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
624		Water	1,1,1-Trichloroethane
624		Water	1,1,2-Trichloroethane
624		Water	1,1-Dichloroethane
624		Water	1,1-Dichloroethylene
624		Water	1,2-Dichloroethane
624		Water	1,2-Dichloroethene, Total
624		Water	1,4-Dioxane
624		Water	Acetone
624		Water	Benzene
624		Water	Carbon tetrachloride
624		Water	Chloroform
624		Water	Methylene Chloride
624		Water	Toluene
624		Water	Trichloroethylene
SM 4500 H+ B		Water	pH
SM 4500 H+ B		Water	Temperature

Method Summary

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-139068-1

Method	Method Description	Protocol	Laboratory
624	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
200.7 Rev 4.4	Metals (ICP)	EPA	TAL BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM 4500 H+ B	pH	SM	TAL BUF
200.7	Preparation, Total Metals	EPA	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.
EPA = US Environmental Protection Agency
SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

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

Sample Summary

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-139068-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-139068-1	7R	Water	07/06/18 10:00	07/18/18 00:30
480-139068-2	ERT-1	Water	07/06/18 10:05	07/18/18 00:30
480-139068-3	5R	Water	07/06/18 09:55	07/18/18 00:30
480-139068-4	EFFLUENT	Water	07/06/18 10:15	07/18/18 00:30
480-139068-5	COMBINED INFLUENT	Water	07/06/18 09:50	07/18/18 00:30

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

480-139068 COC

Client Information	Sampler: Kristopher Aadahl	Lab PM: Stone, Judy L	C:	COC No: 480-108474-15807.1
Client Contact: Andrew Talbot	Phone: 518-885-5383	E-Mail: judy.stone@testamericainc.com		Page: Page 1 of 1
Company: Aztech Technologies Inc				Job #:
Address: 5 McCrea Hill Road	Due Date Requested:			
City: Ballston Spa	TAT Requested (days): Standard (AT) ~~Asap per hold time remaining~~			
State, Zip: NY, 12020				
Phone: 518-402-9813(Tel)	PO #: ~~CallOut 121912~~ Aztech - Mohonk			
Email: atalbot@aztechenv.com	WO #:			
Project Name: Mohonk Rd. #356023	Project #: ~~48005287~~			
Site:	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)	200.7 - Iron	624_5ml - (MOD) Priority Pollutant List - VOA - 62	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	SM4500_H+ - pH	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	A	N	N	N		
7R	7/6/18	1000	G	Water			X	X	X	X	X		
ERT-1	7/6/18	1035	G	Water			X	X	X	X	X		
5R	7/6/18	955	G	Water			X	X	X	X	X		
~~Combined Influent~~ KA Effluent	7/6/18	1015	G	Water			X	X	X	X	X		
~~Effluent~~ KA Combined Influent	7/6/18	0950	G	Water			X	X	X	X	X		

10K
7-17-18

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
1		7/17/18 09:37	Aztech		7/17/18; 1100	Aztech
2		7/17/18 1149	Aztech		7-17-18 1149	TA
3	Tim Knoll	7-17-18 1800	TA		7-18-18 0030	MD

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.4 #1

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: Aztech Technologies Inc

Job Number: 480-139068-1

Login Number: 139068

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)..	False	7/6/2018
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	AZTECH
Samples received within 48 hours of sampling.	False	7/6/2018
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 Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-140107-1
Client Project/Site: DEC Mohonk Rd. #356023

For:
Aztech Technologies Inc
5 McCrea Hill Road
Ballston Spa, New York 12020

Attn: Andrew Talbot

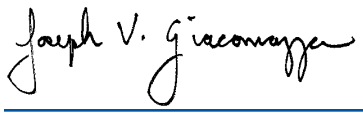
Joseph V. Giacomazza

Authorized for release by:
8/30/2018 4:44:41 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Judy Stone, Senior Project Manager
(484)685-0868
judy.stone@testamericainc.com

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
8/30/2018 4:44:41 PM

Table of Contents

Definitions/Glossary

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-140107-1

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.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

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: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-140107-1

Job ID: 480-140107-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-140107-1

Receipt
The samples were received on 8/9/2018 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.8º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described 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) 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: 7R (480-140107-1), ERT-1 (480-140107-2), 5R (480-140107-3), COMBINED INFLUENT (480-140107-4) and EFFLUENT (480-140107-5).

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

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-140107-1

Client Sample ID: 7R
Date Collected: 08/07/18 10:15
Date Received: 08/09/18 01:00

Lab Sample ID: 480-140107-1
Matrix: Water

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**51**		5.0	0.39	ug/L			08/09/18 15:56	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			08/09/18 15:56	1
1,1-Dichloroethane	**19**		5.0	0.59	ug/L			08/09/18 15:56	1
1,1-Dichloroethylene	**9.4**		5.0	0.85	ug/L			08/09/18 15:56	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			08/09/18 15:56	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			08/09/18 15:56	1
1,4-Dioxane	ND		200	15	ug/L			08/09/18 15:56	1
Acetone	**3.2**	**J**	25	2.0	ug/L			08/09/18 15:56	1
Benzene	ND		5.0	0.60	ug/L			08/09/18 15:56	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			08/09/18 15:56	1
Chloroform	ND		5.0	0.54	ug/L			08/09/18 15:56	1
Methylene Chloride	ND		5.0	0.81	ug/L			08/09/18 15:56	1
Toluene	ND		5.0	0.45	ug/L			08/09/18 15:56	1
Trichloroethylene	**1.0**	**J**	5.0	0.60	ug/L			08/09/18 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*68 - 130*		*08/09/18 15:56*	*1*
4-Bromofluorobenzene (Surr)	*101*		*76 - 123*		*08/09/18 15:56*	*1*
Toluene-d8 (Surr)	*101*		*77 - 120*		*08/09/18 15:56*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*08/09/18 15:56*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		08/13/18 08:53	08/14/18 20:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**354**		10.0	4.0	mg/L			08/14/18 23:24	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			08/09/18 23:07	1
pH	**7.3**	**HF**	0.1	0.1	SU			08/30/18 11:26	1
Temperature	**19.9**	**HF**	0.001	0.001	Degrees C			08/30/18 11:26	1

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-140107-1

Client Sample ID: ERT-1
Date Collected: 08/07/18 10:20
Date Received: 08/09/18 01:00

Lab Sample ID: 480-140107-2
Matrix: Water

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**36**		5.0	0.39	ug/L			08/09/18 16:20	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			08/09/18 16:20	1
1,1-Dichloroethane	**7.7**		5.0	0.59	ug/L			08/09/18 16:20	1
1,1-Dichloroethylene	**15**		5.0	0.85	ug/L			08/09/18 16:20	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			08/09/18 16:20	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			08/09/18 16:20	1
1,4-Dioxane	ND		200	15	ug/L			08/09/18 16:20	1
Acetone	ND		25	2.0	ug/L			08/09/18 16:20	1
Benzene	ND		5.0	0.60	ug/L			08/09/18 16:20	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			08/09/18 16:20	1
Chloroform	ND		5.0	0.54	ug/L			08/09/18 16:20	1
Methylene Chloride	ND		5.0	0.81	ug/L			08/09/18 16:20	1
Toluene	ND		5.0	0.45	ug/L			08/09/18 16:20	1
Trichloroethylene	**4.7**	**J**	5.0	0.60	ug/L			08/09/18 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*68 - 130*		*08/09/18 16:20*	*1*
4-Bromofluorobenzene (Surr)	*101*		*76 - 123*		*08/09/18 16:20*	*1*
Toluene-d8 (Surr)	*101*		*77 - 120*		*08/09/18 16:20*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*08/09/18 16:20*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		08/13/18 08:53	08/14/18 20:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**339**		10.0	4.0	mg/L			08/14/18 23:24	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			08/09/18 23:07	1
pH	**7.4**	**HF**	0.1	0.1	SU			08/30/18 11:30	1
Temperature	**20.0**	**HF**	0.001	0.001	Degrees C			08/30/18 11:30	1

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-140107-1

Client Sample ID: 5R
Date Collected: 08/07/18 10:25
Date Received: 08/09/18 01:00

Lab Sample ID: 480-140107-3
Matrix: Water

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**27**		5.0	0.39	ug/L			08/09/18 16:44	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			08/09/18 16:44	1
1,1-Dichloroethane	**2.6**	**J**	5.0	0.59	ug/L			08/09/18 16:44	1
1,1-Dichloroethylene	**9.0**		5.0	0.85	ug/L			08/09/18 16:44	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			08/09/18 16:44	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			08/09/18 16:44	1
1,4-Dioxane	ND		200	15	ug/L			08/09/18 16:44	1
Acetone	ND		25	2.0	ug/L			08/09/18 16:44	1
Benzene	ND		5.0	0.60	ug/L			08/09/18 16:44	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			08/09/18 16:44	1
Chloroform	ND		5.0	0.54	ug/L			08/09/18 16:44	1
Methylene Chloride	ND		5.0	0.81	ug/L			08/09/18 16:44	1
Toluene	ND		5.0	0.45	ug/L			08/09/18 16:44	1
Trichloroethylene	**4.1**	**J**	5.0	0.60	ug/L			08/09/18 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*68 - 130*		*08/09/18 16:44*	*1*
4-Bromofluorobenzene (Surr)	*100*		*76 - 123*		*08/09/18 16:44*	*1*
Toluene-d8 (Surr)	*100*		*77 - 120*		*08/09/18 16:44*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*08/09/18 16:44*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		08/13/18 08:53	08/14/18 20:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**417**		10.0	4.0	mg/L			08/14/18 23:24	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			08/10/18 13:42	1
pH	**7.4**	**HF**	0.1	0.1	SU			08/30/18 11:33	1
Temperature	**19.5**	**HF**	0.001	0.001	Degrees C			08/30/18 11:33	1

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-140107-1

Client Sample ID: COMBINED INFLUENT
Date Collected: 08/07/18 10:30
Date Received: 08/09/18 01:00

Lab Sample ID: 480-140107-4
Matrix: Water

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**38**		5.0	0.39	ug/L			08/09/18 17:08	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			08/09/18 17:08	1
1,1-Dichloroethane	**9.9**		5.0	0.59	ug/L			08/09/18 17:08	1
1,1-Dichloroethylene	**11**		5.0	0.85	ug/L			08/09/18 17:08	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			08/09/18 17:08	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			08/09/18 17:08	1
1,4-Dioxane	ND		200	15	ug/L			08/09/18 17:08	1
Acetone	**2.6**	**J**	25	2.0	ug/L			08/09/18 17:08	1
Benzene	ND		5.0	0.60	ug/L			08/09/18 17:08	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			08/09/18 17:08	1
Chloroform	ND		5.0	0.54	ug/L			08/09/18 17:08	1
Methylene Chloride	ND		5.0	0.81	ug/L			08/09/18 17:08	1
Toluene	ND		5.0	0.45	ug/L			08/09/18 17:08	1
Trichloroethylene	**3.5**	**J**	5.0	0.60	ug/L			08/09/18 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*68 - 130*		*08/09/18 17:08*	*1*
4-Bromofluorobenzene (Surr)	*101*		*76 - 123*		*08/09/18 17:08*	*1*
Toluene-d8 (Surr)	*100*		*77 - 120*		*08/09/18 17:08*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*08/09/18 17:08*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		08/13/18 08:53	08/14/18 20:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**362**		10.0	4.0	mg/L			08/14/18 23:24	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			08/10/18 13:42	1
pH	**7.1**	**HF**	0.1	0.1	SU			08/30/18 11:35	1
Temperature	**18.8**	**HF**	0.001	0.001	Degrees C			08/30/18 11:35	1

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-140107-1

Client Sample ID: EFFLUENT
Date Collected: 08/07/18 10:35
Date Received: 08/09/18 01:00

Lab Sample ID: 480-140107-5
Matrix: Water

Method: 624.1 - 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			08/09/18 17:31	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			08/09/18 17:31	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			08/09/18 17:31	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			08/09/18 17:31	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			08/09/18 17:31	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			08/09/18 17:31	1
1,4-Dioxane	ND		200	15	ug/L			08/09/18 17:31	1
Acetone	**4.1**	**J**	25	2.0	ug/L			08/09/18 17:31	1
Benzene	ND		5.0	0.60	ug/L			08/09/18 17:31	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			08/09/18 17:31	1
Chloroform	ND		5.0	0.54	ug/L			08/09/18 17:31	1
Methylene Chloride	ND		5.0	0.81	ug/L			08/09/18 17:31	1
Toluene	ND		5.0	0.45	ug/L			08/09/18 17:31	1
Trichloroethylene	ND		5.0	0.60	ug/L			08/09/18 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*68 - 130*		*08/09/18 17:31*	*1*
4-Bromofluorobenzene (Surr)	*100*		*76 - 123*		*08/09/18 17:31*	*1*
Toluene-d8 (Surr)	*101*		*77 - 120*		*08/09/18 17:31*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*08/09/18 17:31*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		08/13/18 08:53	08/14/18 20:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**386**		10.0	4.0	mg/L			08/14/18 23:24	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			08/10/18 13:42	1
pH	**8.1**	**HF**	0.1	0.1	SU			08/30/18 11:38	1
Temperature	**18.6**	**HF**	0.001	0.001	Degrees C			08/30/18 11:38	1

Client Sample ID: 7R

Lab Sample ID: 480-140107-1

Date Collected: 08/07/18 10:15

Matrix: Water

Date Received: 08/09/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	428733	08/09/18 15:56	S1V	TAL BUF
Total/NA	Prep	200.7			429188	08/13/18 08:53	VEG	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	429685	08/14/18 20:24	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	429671	08/14/18 23:24	CDC	TAL BUF
Total/NA	Analysis	SM 2540D		1	428963	08/09/18 23:07	CDC	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	432216	08/30/18 11:26	MRF	TAL BUF

Client Sample ID: ERT-1

Lab Sample ID: 480-140107-2

Date Collected: 08/07/18 10:20

Matrix: Water

Date Received: 08/09/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	428733	08/09/18 16:20	S1V	TAL BUF
Total/NA	Prep	200.7			429188	08/13/18 08:53	VEG	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	429685	08/14/18 20:35	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	429671	08/14/18 23:24	CDC	TAL BUF
Total/NA	Analysis	SM 2540D		1	428963	08/09/18 23:07	CDC	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	432216	08/30/18 11:30	MRF	TAL BUF

Client Sample ID: 5R

Lab Sample ID: 480-140107-3

Date Collected: 08/07/18 10:25

Matrix: Water

Date Received: 08/09/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	428733	08/09/18 16:44	S1V	TAL BUF
Total/NA	Prep	200.7			429188	08/13/18 08:53	VEG	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	429685	08/14/18 20:39	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	429671	08/14/18 23:24	CDC	TAL BUF
Total/NA	Analysis	SM 2540D		1	429093	08/10/18 13:42	MAB	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	432216	08/30/18 11:33	MRF	TAL BUF

Client Sample ID: COMBINED INFLUENT

Lab Sample ID: 480-140107-4

Date Collected: 08/07/18 10:30

Matrix: Water

Date Received: 08/09/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	428733	08/09/18 17:08	S1V	TAL BUF
Total/NA	Prep	200.7			429188	08/13/18 08:53	VEG	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	429685	08/14/18 20:54	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	429671	08/14/18 23:24	CDC	TAL BUF
Total/NA	Analysis	SM 2540D		1	429093	08/10/18 13:42	MAB	TAL BUF

Lab Chronicle

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-140107-1

Client Sample ID: COMBINED INFLUENT

Lab Sample ID: 480-140107-4

Date Collected: 08/07/18 10:30

Matrix: Water

Date Received: 08/09/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 H+ B		1	432216	08/30/18 11:35	MRF	TAL BUF

Client Sample ID: EFFLUENT

Lab Sample ID: 480-140107-5

Date Collected: 08/07/18 10:35

Matrix: Water

Date Received: 08/09/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	428733	08/09/18 17:31	S1V	TAL BUF
Total/NA	Prep	200.7			429188	08/13/18 08:53	VEG	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	429685	08/14/18 20:58	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	429671	08/14/18 23:24	CDC	TAL BUF
Total/NA	Analysis	SM 2540D		1	429093	08/10/18 13:42	MAB	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	432216	08/30/18 11:38	MRF	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-140107-1

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 accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
624.1		Water	1,2-Dichloroethene, Total
624.1		Water	1,4-Dioxane
SM 4500 H+ B		Water	pH
SM 4500 H+ B		Water	Temperature

Method Summary

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-140107-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
200.7 Rev 4.4	Metals (ICP)	EPA	TAL BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM 4500 H+ B	pH	SM	TAL BUF
200.7	Preparation, Total Metals	EPA	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.
EPA = US Environmental Protection Agency
SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

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

Sample Summary

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-140107-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-140107-1	7R	Water	08/07/18 10:15	08/09/18 01:00
480-140107-2	ERT-1	Water	08/07/18 10:20	08/09/18 01:00
480-140107-3	5R	Water	08/07/18 10:25	08/09/18 01:00
480-140107-4	COMBINED INFLUENT	Water	08/07/18 10:30	08/09/18 01:00
480-140107-5	EFFLUENT	Water	08/07/18 10:35	08/09/18 01:00

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

480-140107 COC

Client Information	Sampler:	Lab PM: Stone, Judy L	Ca	COC No: 480-108475-15807.1
Client Contact: Andrew Talbot	Phone:	E-Mail: judy.stone@testamericainc.com		Page: Page 1 of 1
Company: Aztech Technologies Inc				Job #:
Address: 5 McCrea Hill Road	Due Date Requested:			
City: Ballston Spa	TAT Requested (days):			
State, Zip: NY, 12020				
Phone: 518-402-9813(Tel)	PO #: CallOut 121912			
Email: atalbot@aztechenv.com	WO #:			
Project Name: Mohonk Rd. #356023	Project #: 48005267			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

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)	200.7 - Iron	624_5ml - (MOD) Priority Pollutant List - VOA - 62	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	SM4500_H+ - pH	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	A	N	N	N		
7R	8/7/18	1015	G	Water	N	N	X	X	X	X	X		
ERT-1	8/7/18	1020	G	Water	N	N	X	X	X	X	X		
5R	8/7/18	1025	G	Water	N	N	X	X	X	X	X		
Combined Influent	8/7/18	1030	G	Water	N	N	X	X	X	X	X		
Effluent	8/7/18	1035	G	Water	N	N	X	X	X	X	X		
KZ	8-8-18												

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
1	Jeff Morgan	8/7/18 1530		Karl Fischer	8-8-18 0730	TA
2	Karl Fischer	8-8-18 1700	TA		8-9-18 0100	TA
3	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: 0.8 #1

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: Aztech Technologies Inc

Job Number: 480-140107-1

Login Number: 140107

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

TestAmerica Job ID: 480-141252-1
Client Project/Site: DEC Mohonk Rd. #356023

For:
Aztech Technologies Inc
5 McCrea Hill Road
Ballston Spa, New York 12020

Attn: Andrew Talbot

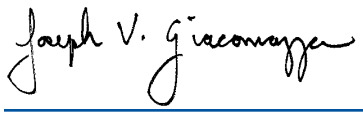
Joseph V. Giacomazza

Authorized for release by:
9/21/2018 3:12:11 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Judy Stone, Senior Project Manager
(484)685-0868
judy.stone@testamericainc.com

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
9/21/2018 3:12:11 PM

Table of Contents

Definitions/Glossary

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-141252-1

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.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

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: 480-141252-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-141252-1

Receipt
The samples were received on 9/6/2018 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.9º C.

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

Metals
Method(s) 200.7: The following samples for metals were received unpreserved and were preserved upon receipt to the laboratory: 7R (480-141252-1), ERT-1 (480-141252-2), 5R (480-141252-3), COMBINED INFLUENT (480-141252-4), EFFLUENT (480-141252-5), (480-141252-C-1 MS) and (480-141252-C-1 MSD). Regulatory documents require a 24-hour waiting period from the time of the addition of the acid preservative to the time of digestion. Preserved 9/6/18 at 1410. Second check 9/7/18 at 1423.

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

General Chemistry
Method(s) 9040C, SM 4500 H+ B: The following sample(s) was received with headspace in the sample container. This sample container was received with headspace. 7R (480-141252-1), ERT-1 (480-141252-2), 5R (480-141252-3), COMBINED INFLUENT (480-141252-4) and EFFLUENT (480-141252-5).

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

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-141252-1

Client Sample ID: 7R
Date Collected: 09/05/18 09:40
Date Received: 09/06/18 01:00

Lab Sample ID: 480-141252-1
Matrix: Water

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**58**		5.0	0.39	ug/L			09/06/18 14:26	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			09/06/18 14:26	1
1,1-Dichloroethane	**22**		5.0	0.59	ug/L			09/06/18 14:26	1
1,1-Dichloroethylene	**10**		5.0	0.85	ug/L			09/06/18 14:26	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			09/06/18 14:26	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			09/06/18 14:26	1
1,4-Dioxane	ND		200	15	ug/L			09/06/18 14:26	1
Acetone	ND		25	2.0	ug/L			09/06/18 14:26	1
Benzene	ND		5.0	0.60	ug/L			09/06/18 14:26	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			09/06/18 14:26	1
Chloroform	ND		5.0	0.54	ug/L			09/06/18 14:26	1
Methylene Chloride	ND		5.0	0.81	ug/L			09/06/18 14:26	1
Toluene	ND		5.0	0.45	ug/L			09/06/18 14:26	1
Trichloroethylene	**1.2**	**J**	5.0	0.60	ug/L			09/06/18 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 130*		*09/06/18 14:26*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*09/06/18 14:26*	*1*
Toluene-d8 (Surr)	*94*		*77 - 120*		*09/06/18 14:26*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*09/06/18 14:26*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		09/08/18 08:01	09/10/18 10:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**361**		10.0	4.0	mg/L			09/06/18 13:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			09/07/18 01:13	1
pH	**7.7**	**HF**	0.1	0.1	SU			09/20/18 09:48	1
Temperature	**20.9**	**HF**	0.001	0.001	Degrees C			09/20/18 09:48	1

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-141252-1

Client Sample ID: ERT-1
Date Collected: 09/05/18 09:45
Date Received: 09/06/18 01:00

Lab Sample ID: 480-141252-2
Matrix: Water

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**41**		5.0	0.39	ug/L			09/06/18 14:50	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			09/06/18 14:50	1
1,1-Dichloroethane	**8.1**		5.0	0.59	ug/L			09/06/18 14:50	1
1,1-Dichloroethylene	**16**		5.0	0.85	ug/L			09/06/18 14:50	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			09/06/18 14:50	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			09/06/18 14:50	1
1,4-Dioxane	ND		200	15	ug/L			09/06/18 14:50	1
Acetone	ND		25	2.0	ug/L			09/06/18 14:50	1
Benzene	ND		5.0	0.60	ug/L			09/06/18 14:50	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			09/06/18 14:50	1
Chloroform	ND		5.0	0.54	ug/L			09/06/18 14:50	1
Methylene Chloride	ND		5.0	0.81	ug/L			09/06/18 14:50	1
Toluene	ND		5.0	0.45	ug/L			09/06/18 14:50	1
Trichloroethylene	**5.2**		5.0	0.60	ug/L			09/06/18 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 130*		*09/06/18 14:50*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*09/06/18 14:50*	*1*
Toluene-d8 (Surr)	*94*		*77 - 120*		*09/06/18 14:50*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*09/06/18 14:50*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		09/08/18 08:01	09/10/18 10:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**348**		10.0	4.0	mg/L			09/06/18 13:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			09/07/18 01:13	1
pH	**7.6**	**HF**	0.1	0.1	SU			09/20/18 09:52	1
Temperature	**21.0**	**HF**	0.001	0.001	Degrees C			09/20/18 09:52	1

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-141252-1

Client Sample ID: 5R
Date Collected: 09/05/18 09:50
Date Received: 09/06/18 01:00

Lab Sample ID: 480-141252-3
Matrix: Water

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**36**		5.0	0.39	ug/L			09/06/18 15:14	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			09/06/18 15:14	1
1,1-Dichloroethane	**3.2**	**J**	5.0	0.59	ug/L			09/06/18 15:14	1
1,1-Dichloroethylene	**11**		5.0	0.85	ug/L			09/06/18 15:14	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			09/06/18 15:14	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			09/06/18 15:14	1
1,4-Dioxane	ND		200	15	ug/L			09/06/18 15:14	1
Acetone	ND		25	2.0	ug/L			09/06/18 15:14	1
Benzene	ND		5.0	0.60	ug/L			09/06/18 15:14	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			09/06/18 15:14	1
Chloroform	ND		5.0	0.54	ug/L			09/06/18 15:14	1
Methylene Chloride	ND		5.0	0.81	ug/L			09/06/18 15:14	1
Toluene	ND		5.0	0.45	ug/L			09/06/18 15:14	1
Trichloroethylene	**5.1**		5.0	0.60	ug/L			09/06/18 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*68 - 130*		*09/06/18 15:14*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 123*		*09/06/18 15:14*	*1*
Toluene-d8 (Surr)	*92*		*77 - 120*		*09/06/18 15:14*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*09/06/18 15:14*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		09/08/18 08:01	09/10/18 10:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**405**		10.0	4.0	mg/L			09/06/18 13:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			09/07/18 01:13	1
pH	**7.5**	**HF**	0.1	0.1	SU			09/20/18 09:56	1
Temperature	**21.0**	**HF**	0.001	0.001	Degrees C			09/20/18 09:56	1

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-141252-1

Client Sample ID: COMBINED INFLUENT
Date Collected: 09/05/18 09:55
Date Received: 09/06/18 01:00

Lab Sample ID: 480-141252-4
Matrix: Water

Method: 624.1 - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**45**		5.0	0.39	ug/L			09/06/18 15:37	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			09/06/18 15:37	1
1,1-Dichloroethane	**11**		5.0	0.59	ug/L			09/06/18 15:37	1
1,1-Dichloroethylene	**12**		5.0	0.85	ug/L			09/06/18 15:37	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			09/06/18 15:37	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			09/06/18 15:37	1
1,4-Dioxane	ND		200	15	ug/L			09/06/18 15:37	1
Acetone	ND		25	2.0	ug/L			09/06/18 15:37	1
Benzene	ND		5.0	0.60	ug/L			09/06/18 15:37	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			09/06/18 15:37	1
Chloroform	ND		5.0	0.54	ug/L			09/06/18 15:37	1
Methylene Chloride	ND		5.0	0.81	ug/L			09/06/18 15:37	1
Toluene	ND		5.0	0.45	ug/L			09/06/18 15:37	1
Trichloroethylene	**3.8**	**J**	5.0	0.60	ug/L			09/06/18 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 130*		*09/06/18 15:37*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 123*		*09/06/18 15:37*	*1*
Toluene-d8 (Surr)	*94*		*77 - 120*		*09/06/18 15:37*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*09/06/18 15:37*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		09/08/18 08:01	09/10/18 11:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**372**		10.0	4.0	mg/L			09/06/18 13:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			09/07/18 01:13	1
pH	**7.6**	**HF**	0.1	0.1	SU			09/20/18 09:59	1
Temperature	**21.0**	**HF**	0.001	0.001	Degrees C			09/20/18 09:59	1

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-141252-1

Client Sample ID: EFFLUENT
Date Collected: 09/05/18 10:00
Date Received: 09/06/18 01:00

Lab Sample ID: 480-141252-5
Matrix: Water

Method: 624.1 - 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			09/06/18 16:01	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			09/06/18 16:01	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			09/06/18 16:01	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			09/06/18 16:01	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			09/06/18 16:01	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			09/06/18 16:01	1
1,4-Dioxane	ND		200	15	ug/L			09/06/18 16:01	1
Acetone	ND		25	2.0	ug/L			09/06/18 16:01	1
Benzene	ND		5.0	0.60	ug/L			09/06/18 16:01	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			09/06/18 16:01	1
Chloroform	ND		5.0	0.54	ug/L			09/06/18 16:01	1
Methylene Chloride	ND		5.0	0.81	ug/L			09/06/18 16:01	1
Toluene	ND		5.0	0.45	ug/L			09/06/18 16:01	1
Trichloroethylene	ND		5.0	0.60	ug/L			09/06/18 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 130*		*09/06/18 16:01*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 123*		*09/06/18 16:01*	*1*
Toluene-d8 (Surr)	*94*		*77 - 120*		*09/06/18 16:01*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*09/06/18 16:01*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		09/08/18 08:01	09/10/18 11:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**381**		10.0	4.0	mg/L			09/06/18 13:34	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			09/08/18 01:23	1
pH	**8.1**	**HF**	0.1	0.1	SU			09/20/18 10:02	1
Temperature	**21.0**	**HF**	0.001	0.001	Degrees C			09/20/18 10:02	1

Lab Chronicle

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-141252-1

Client Sample ID: 7R

Lab Sample ID: 480-141252-1

Date Collected: 09/05/18 09:40
Matrix: Water
Date Received: 09/06/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	433019	09/06/18 14:26	S1V	TAL BUF
Total/NA	Prep	200.7			433376	09/08/18 08:01	VEG	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	433700	09/10/18 10:24	EMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	433133	09/06/18 13:34	KEK	TAL BUF
Total/NA	Analysis	SM 2540D		1	433218	09/07/18 01:13	SMH	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	435381	09/20/18 09:48	KEB	TAL BUF

Client Sample ID: ERT-1

Lab Sample ID: 480-141252-2

Date Collected: 09/05/18 09:45
Matrix: Water
Date Received: 09/06/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	433019	09/06/18 14:50	S1V	TAL BUF
Total/NA	Prep	200.7			433376	09/08/18 08:01	VEG	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	433700	09/10/18 10:42	EMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	433133	09/06/18 13:34	KEK	TAL BUF
Total/NA	Analysis	SM 2540D		1	433218	09/07/18 01:13	SMH	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	435381	09/20/18 09:52	KEB	TAL BUF

Client Sample ID: 5R

Lab Sample ID: 480-141252-3

Date Collected: 09/05/18 09:50
Matrix: Water
Date Received: 09/06/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	433019	09/06/18 15:14	S1V	TAL BUF
Total/NA	Prep	200.7			433376	09/08/18 08:01	VEG	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	433700	09/10/18 10:46	EMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	433133	09/06/18 13:34	KEK	TAL BUF
Total/NA	Analysis	SM 2540D		1	433218	09/07/18 01:13	SMH	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	435381	09/20/18 09:56	KEB	TAL BUF

Client Sample ID: COMBINED INFLUENT

Lab Sample ID: 480-141252-4

Date Collected: 09/05/18 09:55
Matrix: Water
Date Received: 09/06/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	433019	09/06/18 15:37	S1V	TAL BUF
Total/NA	Prep	200.7			433376	09/08/18 08:01	VEG	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	433700	09/10/18 11:00	EMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	433133	09/06/18 13:34	KEK	TAL BUF
Total/NA	Analysis	SM 2540D		1	433218	09/07/18 01:13	SMH	TAL BUF

Lab Chronicle

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-141252-1

Client Sample ID: COMBINED INFLUENT

Lab Sample ID: 480-141252-4

Date Collected: 09/05/18 09:55
Matrix: Water
Date Received: 09/06/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 H+ B		1	435381	09/20/18 09:59	KEB	TAL BUF

Client Sample ID: EFFLUENT

Lab Sample ID: 480-141252-5

Date Collected: 09/05/18 10:00
Matrix: Water
Date Received: 09/06/18 01:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	433019	09/06/18 16:01	S1V	TAL BUF
Total/NA	Prep	200.7			433376	09/08/18 08:01	VEG	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	433700	09/10/18 11:04	EMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	433133	09/06/18 13:34	KEK	TAL BUF
Total/NA	Analysis	SM 2540D		1	433443	09/08/18 01:23	MLS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	435381	09/20/18 10:02	KEB	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-141252-1

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
624.1		Water	1,2-Dichloroethene, Total
624.1		Water	1,4-Dioxane
SM 4500 H+ B		Water	pH
SM 4500 H+ B		Water	Temperature

Method Summary

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-141252-1

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL BUF
200.7 Rev 4.4	Metals (ICP)	EPA	TAL BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM 4500 H+ B	pH	SM	TAL BUF
200.7	Preparation, Total Metals	EPA	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.
EPA = US Environmental Protection Agency
SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

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

Sample Summary

Client: Aztech Technologies Inc
Project/Site: DEC Mohonk Rd. #356023

TestAmerica Job ID: 480-141252-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-141252-1	7R	Water	09/05/18 09:40	09/06/18 01:00
480-141252-2	ERT-1	Water	09/05/18 09:45	09/06/18 01:00
480-141252-3	5R	Water	09/05/18 09:50	09/06/18 01:00
480-141252-4	COMBINED INFLUENT	Water	09/05/18 09:55	09/06/18 01:00
480-141252-5	EFFLUENT	Water	09/05/18 10:00	09/06/18 01:00

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

480-141252 COC

Client Information	Sampler: Michael Deyette	Lab PM: Stone, Judy L	Carrier	COC No: 480-108476-15807.1
Client Contact: Andrew Talbot	Phone:	E-Mail: judy.stone@testamericainc.com		Page: Page 1 of 1
Company: Aztech Technologies Inc		Analysis Requested		Job #:
Address: 5 McCrea Hill Road	Due Date Requested:			Preservation Codes:
City: Ballston Spa	TAT Requested (days):			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:
State, Zip: NY, 12020				
Phone: 518-402-9813(Tel)	PO #: ~~Call Out 124067~~ Aztech - Mohonk			
Email: atalbot@aztechenv.com	WO #:			
Project Name: Mohonk Rd. #356023	Project #: 48005267			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7 - Iron	624_5ml - (MOD) Priority Pollutant List - VOA - 62	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	SM4500_H+ - pH	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	A	N	N	N		
7R	9/5/18	9:40	Grab	Water	N	N	X	X	X	X	X	7	
ERT-1	9/5/18	9:45	Grab	Water	N	N	X	X	X	X	X	7	
5R	9/5/18	9:50	Grab	Water	N	N	X	X	X	X	X	7	
Combined Influent	9/5/18	9:55	Grab	Water	N	N	X	X	X	X	X	7	
Effluent	9/5/18	10:00	Grab	Water	N	N	X	X	X	X	X	7	
RZ	9-5-18												

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
1	Michael Deyette	9/5/18 14:00	Aztech	Karl Zaden	9-5-18 1410	TA
2	Karl Zaden	9-5-18 1800	TA		9-6-18 0100	TA
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		0.9 #1

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: Aztech Technologies Inc

Job Number: 480-141252-1

Login Number: 141252

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	AZTECH
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