Aztech Environmental
TECHNOLOGIES
A LaBella Company

October 9, 2020

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

Re: Third and Fourth Quarter, 2019 O&M Status Report - 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 Mohawk Road Industrial Site located at 186 Mohonk Road, High Falls New York (the site). The fieldwork summarized within this report includes operation and maintenance activities and system sampling results conducted by Aztech for the third and fourth quarters of 2019.

July 1, 2019

Aztech personnel mobilized to the site to perform maintenance and collect routine samples from the groundwater extraction & treatment system (the system). The system was running upon arrival. Samples were collected from recovery wells 7R, ERT-1, 5R as well as the combined system influent and system effluent locations. System readings were also recorded on field log sheets. Samples were later sent to Test America for VOC analysis via Method 624. The analytical results of the system samples are summarized in the table below.

Analytical Results – July 1, 2019
Concentrations in µg/L

Sample	1,1-DCA	1,1-DCE	1,1,1-TCA	TCE
7R	38	12	100	.98J
ERT-1	8.7	20	69	6.1
5R	3.8	14	63	5.2
Combined Influent*	ND	ND	ND	ND
Effluent	ND	ND	ND	ND
Notes:	*This is believed to be an incorrect result. It is unclear if this is a sampling or lab error. ND = Non-Detect J = Approx. Value			

Routine grounds maintenance and SSDS inspections were also conducted. During this visit, it was observed that SSDS-7 was offline and damaged due to construction activities taking place on the building.

After collecting 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.

It is noted that the sample collected from W7R contained 1.5 µg/L of 1,2 Dichloroethene, Total. This was not listed in the table above as it is not a typical contaminant of concern. Additionally, it is believed that the combined influence results are incorrect based on historical data. It is unclear if this is the result of a lab error or a sampling error. Full analytical results from the routine sampling event are attached.

July 11, 2019
Aztech personnel mobilized to the site to address operational issues previously observed remotely via the ProControl. The system was down upon arrival.

Troubleshooting revealed an electrical short in the VFD for ERT-1 had caused the unit to critically fail. ERT-1 was left offline until a new VFD could be sourced and installed.

Additional issues were observed with the electrical control signal coming from the transducer in well 7R. Further troubleshooting identified several unused conductors in the existing underground signal wire that were subsequently used to rewire the transducer. The transducer was observed to report accurate groundwater level data following the electrical repairs. The system was running via wells 5R and 7R upon departure from the site.

July 18, 2019
Aztech personnel mobilized to the site to prepare the SVE pilot test area. The area was brush hogged and cleared of debris. The system was shut down in order to stabilize the groundwater to static levels and remained offline for the duration of the SVE pilot test.

July 22, 2019
Aztech personnel mobilized to the site to prepare the SVE trailer and receive equipment for the SVE pilot test. The SVE trailer was plumbed to existing SVE wells in preparation for the SVE pilot test. Initial static groundwater readings were recorded and submitted to Wood PLC (Wood).

July 23, 2019
Aztech personnel mobilized to the site to perform maintenance and record system readings and to assist Wood with startup of the SVE pilot test trailer.

The system was offline upon arrival as per the operating procedures for the SVE pilot test. The valves were exercised and the flow meters cleaned. Routine and non-routine grounds

maintenance was performed. No other maintenance concerns were reported and the system remained offline on departure for the SVE pilot test.

Aztech technicians provided Wood personnel with training on the operation of the SVE pilot test trailer. Technicians aided with the initial SVE trailer startup and, upon a period of successful operation, demobilized from the site. Wood personnel continued periodic operation of the SVE trailer through August 1, 2019.

July 25, 2019
Aztech personnel briefly visited the site to assist Wood personnel with operation of the SVE equipment and data logger. The sensor recording total vacuum data was reconfigured and proper operation of the SVE equipment was confirmed.

August 26, 2019
Aztech personnel mobilized to the site to begin packer testing on ERT-1. The packer was installed in ERT-1 and operational parameters were set for the pilot test. W5R and W7R were deactivated for the duration of the packer test on ERT-1. The system was running via ERT-1 for packer testing upon departure.

September 3, 2019
Aztech personnel mobilized to the site to begin packer testing on W5R. The packer was removed from ERT-1 and the well pump and transducer were returned to their pilot test depths. The packer was then installed in W5R and the operational parameters were set for the pilot test. ERT-1 and W7R were deactivated for the duration of the packer test on W5R. The system was running via W5R for packer testing upon departure.

September 9, 2019
Aztech personnel mobilized to the site to begin packer testing on W7R. The packer was removed from W5R and the well pump and transducer were returned to their pilot test depths. The packer was then installed in W7R and the operational parameters were set for the pilot test. ERT-1 and W5R were deactivated for the duration of the packer test on W7R. The system was running via W7R for packer testing upon departure.

September 18, 2019
Aztech personnel mobilized to the site to remove the packer from W7R and restore the system to resume normal operation. The system was shut down at the conclusion of packer testing in W7R and was therefore offline upon arrival. The packer was removed from W7R and the well pump and transducer were returned to their pilot test depths. The pumps for all three wells were tested and restored to normal operation. The site was cleaned following pilot testing and trash was removed. No other maintenance concerns were reported and the system was running via all three extraction wells upon departure.

October 3, 2019

Aztech personnel mobilized to the site to perform maintenance and collect routine system samples. The system was running upon arrival. Samples were collected from recovery wells 7R, ERT-1, 5R as well as the combined system influent and system effluent. System readings were also recorded on field log sheets. Samples were later sent to Test America for VOC analysis via Method 624. The analytical results of the system samples are summarized in the table below.

Analytical Results – October 3, 2019
Concentrations in µg/L

Sample	1,1-DCA	1,1-DCE	1,1,1-TCA	TCE
7R	37	12	86	0.75J
ERT-1	7.0	14	41	4.4J
5R	7.1	27	93	7.3
Combined Influent	17	16	77	4.5J
Effluent	ND	ND	ND	ND
Notes:	ND = Non-Detect J = Approx. Value			

During this visit several housekeeping tasks were completed for site restoration following the SVE pilot and packer testing. SSDS #6 and #7 were observed to be offline during this event, but it was noted that general construction was being completed on the building at the time.

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.

October 22-23, 2019

Aztech personnel mobilized to the site to reposition the well pumps to their pre-pilot test depths. The system was shut down on arrival and each of the pumps in wells ERT-1, and W5R were set to their original depths. Well W7R was returned to -149.5’ below top of casing (BTOC) instead of its original -159.5’ BTOC due to a damaged section of wire that needed to be cut and removed. The transducer depth was also adjusted to -140.0’ BTOC. The system was restarted, and valves and VFD frequencies were adjusted to achieve a flowrate of 9 gallons per minute (gpm) in each well. The system was running on departure. No additional maintenance concerns were reported.

November 13, 2019

Aztech personnel mobilized to the site to perform maintenance and collect routine system samples. The system was running upon arrival. Samples were collected from recovery wells 7R, ERT-1, 5R as well as the combined system influent and system effluent. System readings were also recorded on field log sheets. Samples were later sent to Test America for VOC analysis via Method 624. The analytical results of the system samples are summarized in the table below

Analytical Results – November 13, 2019 Concentrations in µg/L				
Sample	**1,1-DCA**	**1,1-DCE**	**1,1,1-TCA**	**TCE**
7R	22	9.3	60	1.1J
ERT-1	8.2	19	58	5.3
5R	3.8J	16	58	5.1
Combined Influent	11	13	56	3.7J
Effluent	ND	ND	ND	ND
Notes:	ND = Non-Detect J = Approx. Value			

During this visit, Aztech personnel met with Paraco Gas to receive a propane delivery. It was determined by Paraco Gas that the propane installation does not meet building code and the tanks would need to be relocated at a later date. The crew was also able to troubleshoot and successfully light the propane heater for the season. SSDS #6 was observed to be offline during this event.

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.

November 18, 2019

Aztech personnel mobilized to the site to perform maintenance and record system readings. The system was running upon arrival. During this visit it was observed that all SSDS fans were restored to proper running condition following several outages noted during previous visits. 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.

December 16, 2019

Aztech personnel mobilized to the site to perform maintenance and collect routine system samples. The system was running upon arrival. Samples were collected from recovery wells 7R, ERT-1, 5R as well as the combined system influent and system effluent. System readings were also recorded on field log sheets. Samples were later sent to Test America for VOC analysis via Method 624. The analytical results of the system samples are summarized in the table below

Analytical Results – December 16, 2019 Concentrations in µg/L				
Sample	**1,1-DCA**	**1,1-DCE**	**1,1,1-TCA**	**TCE**
7R	19	8.8	54	1.2J
ERT-1	8.7	21	64	5.7
5R	1.4J	6.0	24	2.7J
Combined Influent	9.7	11	47	3.5J
Effluent	ND	ND	ND	ND
Notes:	ND = Non-Detect J = Approx. Value			

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.

December 30, 2019

Aztech personnel mobilized to the site to perform maintenance and record system readings. The system was running upon arrival. During this visit technicians installed new illuminated exit signs in order to address an issue noted during the routine fire inspection. 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.

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. Since it's implementation, Redux 390 has consistently prevented hardness scaling within system equipment, resulting in significantly decreased system outages. It is recommended that Redux 390 continue to be utilized at the site in order to maximize plant uptime.

- Site/Building Maintenance:
    - On November 13th, 2019, Aztech personnel met with Paraco Gas to receive a propane delivery and inspect the heating system. It was noted during this visit that the existing propane system does not meet building code, as the tanks are too close to the nearest building opening, as well as to the heating system exhaust. It is recommended that Paraco Gas be consulted on measures to be taken to bring the installation up to building code.
    - During the packer pilot test it was noted that access to W7R was very limited due to tree and vegetation growth over time. If major work takes place on W7R in the future which requires equipment access, it is recommended that NYSDEC establish a permanent access agreement with the High Falls Water Department, and that a vehicle gate be installed on the existing fence near W7R. Alternatively, an access agreement could be established with the neighboring business, Johnny On the Spot. This access agreement would allow NYSDEC and its contractors to access W7R via a cleared path through the woods along the driveway for the business. Please note that this alternative would require significant landscaping to achieve vehicle access.

- 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 project.

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

Respectfully submitted,

Aztech Environmental Technologies a LaBella Company

Andrew Talbot
Environmental Engineer

Attachments:
- Field Log Sheets
- Laboratory Analytical Reports

Mohonk Road - Groundwater Remediation System Checklist

Date: 7/1/19 **Personnel Onsite Initials:** JG + AT

Input Name	*Flow Rates (On Meter)*	*Totalizer (Procontrol)*
(ER1FLO)	8.55	~~8.5~~ 134035586
(W7RFLO)	8.50	~~8.5~~ 14532178
(W5RFLO)	8.50	~~8.6~~ 10349936

Input Name	*Water Level (Procontrol)*
W5RLVL	69.18
W7RLVL	81.99
ER1LVL	68.00

Location/ Input name	*Pressure (Procontrol)*
Transfer Pump (PREBAG)	4.8
Air Stripper (AS_PRS)	22.28
Discharge Pump (DSCPRS)	24.6

Location	*Temp (Procontrol)*
Room (RM_TMP)	65.8
Air Stripper (AS_TMP)	90.4
Discharge Pump (H2OTMP)	57.4

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	N/A

Location	*pH*
Effluent (EFF_PH)	8.48
Effluent (Measured)	8.4

Redux remaining (in. from bottom)	full

* 2 additional full, and 2 at 1/4 full on site

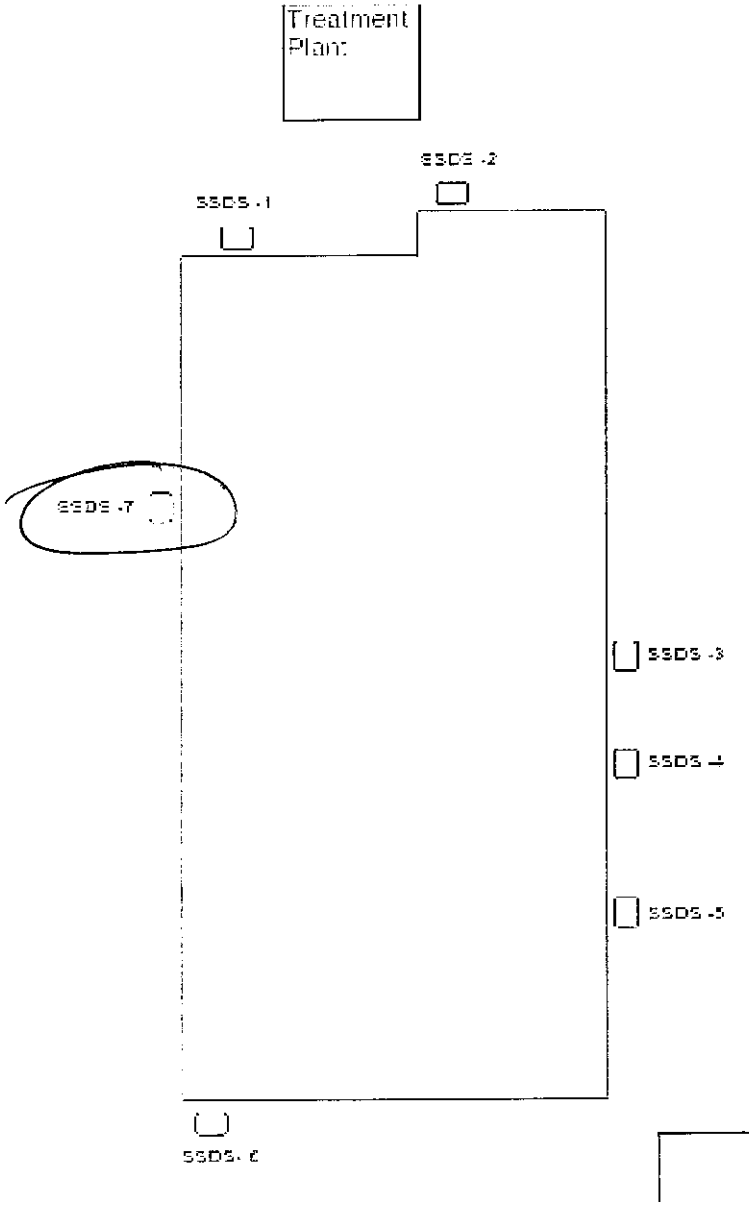
Take the following steps to record the flow totalizer for each well on the ProControl
i. Login to ProControl (Password: EOS).
ii. Once logged in, press the "I/O Up" key until "ER1FLO" is on the display
iii. Press "Set Hi/Lo" key until "Totalizer" is displayed and record the value
iv. Once value is recorded,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

Notes: System running on arrival, took system readings, took system samples, shutdown system & cleaned flow meters, restart system. D.d ground maintaince, Appon experation SDS-7 off and Damaged, Pipe needs to be fixed. Switched Redux drum.

Mohonk Road - SSD System Checklist

Date:

Fan	On/Off
1	on
2	on
3	on
4	on
5	on
6	on
7	off/Damaged



GeoLogic

Mohonk Road - Groundwater Remediation System Checklist

Date: 7/11/19 **Personnel Onsite Initials:** AT + TB

Input Name	*Flow Rates (On Meter)*	*Totalizer (Procontrol)*
(ER1FLO)	offline	13476840
(W7RFLO)	10.0	14599221
(W5RFLO)	10.0	10417762

Input Name	*Water Level (Procontrol)*
W5RLVL	-56.87
W7RLVL	-67.12
ER1LVL	-48.99

Location/ Input name	*Pressure (Procontrol)*
Transfer Pump (PREBAG)	4.8
Air Stripper (AS_PRS)	18.1
Discharge Pump (DSCPRS)	24.6

Location	*Temp (Procontrol)*
Room (RM_TMP)	74.0
Air Stripper (AS_TMP)	99.7
Discharge Pump (H2OTMP)	54.3

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	N/A

Location	*pH*
Effluent (EFF_PH)	8.40
Effluent (Measured)	—

Redux remaining (in. from bottom)	4/5

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 down on arrival, wells in fault condition. Upon energizing ERT-1, a short was observed in the VFD for ERT-1. VFD needs to be replaced. Restart system via W5R and W7R. Troubleshoot signal issues w/ transducer in W7R, rewire using existing conductors to solve the issue. SSDS-1 in need of repair. System running via W5R and W7R on departure.

Mohonk Road - Groundwater Remediation System Checklist

Date: 7/22 - 7/25 **Personnel Onsite Initials:** CA & JS

7/25 AT & TB

Input Name	*Flow Rates (On Meter)*	*Totalizer (Procontrol)*
(ER1FLO)	0	13,494,957
(W7RFLO)	0	14,685,420
(W5RFLO)	0	10,503,439

Input Name	*Water Level (Procontrol)*
W5RLVL	-57.87
W7RLVL	-58.32
ER1LVL	-45.41

Location/ Input name	*Pressure (Procontrol)*
Transfer Pump (PREBAG)	0
Air Stripper (AS_PRS)	0
Discharge Pump (DSCPRS)	0

Location	*Temp (Procontrol)*
Room (RM_TMP)	70.0
Air Stripper (AS_TMP)	70.8
Discharge Pump (H2OTMP)	69.6

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)	—
Effluent (Measured)	—

Redux remaining (in. from bottom)	

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: 7/22 - Mob SVE trailer & pilot test Equipment
Receive generator
demob Before Woods arrival
7/23 - O&M & System down on arrival, clean flow
meters & exercise valves. Assit Wood w/
startup
7/25 - Assit w/ SVE equipment operation & data logging.
Reconfigure total vac sensor & Confirm operation

Mohonk Road - Groundwater Remediation System Checklist

Date: 9/18/19 Personnel Onsite Initials: AT + BT + AS

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	9	13564410
(W7RFLO)	9	14714238
(W5RFLO)	9	10571476

Input Name	Water Level (Procontrol)
W5RLVL	-52.94
W7RLVL	-57.55
ER1LVL	-45.17

Location/ Input name	Pressure (Procontrol)
Transfer Pump (PREBAG)	4.6
Air Stripper (AS_PRS)	22.34
Discharge Pump (DSCPRS)	24.6

Location	Temp (Procontrol)
Room (RM_TMP)	66.1
Air Stripper (AS_TMP)	81.3
Discharge Pump (H2OTMP)	53.7

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)	8.4
Effluent (Measured)	7.5

Redux remaining (in. from bottom)	—

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: Mobilize to site to remove packer from well 7. System down on arrival due to pilot test procedures. Remove pump and packer from W7R and replace pump to pilot test depth. Reuire pump and test system. Restore all 3 pumps to normal operation and clean up site a bit. Demobilize. System running on departure.

~~X~~ System samples and SSDS inspection postponed due to amount of overtime already incurred due to [redacted] system restoration scope of work. ~~X~~

Mohonk Road - Groundwater Remediation System Checklist

Date: 10-3-19 **Personnel Onsite Initials:** GB + BS

Input Name	*Flow Rates (On Meter)*	*Totalizer (Procontrol)*
(ER1FLO)	7.60	13731306
(W7RFLO)	7.55	14875723
(W5RFLO)		10740361

Input Name	*Water Level (Procontrol)*
W5RLVL	-81.36
W7RLVL	-85.81
ER1LVL	-73.92

Location/ Input name	*Pressure (Procontrol)*
Transfer Pump (PREBAG)	4.7
Air Stripper (AS_PRS)	19.05
Discharge Pump (DSCPRS)	22.5

Location	*Temp (Procontrol)*
Room (RM_TMP)	62.0
Air Stripper (AS_TMP)	76.2
Discharge Pump (H2OTMP)	52.9

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)	8.18
Effluent (Measured)	8

Redux remaining (in. from bottom)	26"

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: Onsite System Running, Collect system samples Transfer Redux, Move AVE, ER1 run power and level wires through J Box so well can close.

Mohonk Road - SSD System Checklist

Date:

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

GeoLogic

Mohonk Road - Groundwater Remediation System Checklist

Date: 10/22 – 10/23/19 Personnel Onsite Initials: 10/22 LG, LS, GL / 10/23 LG, GL, AS

*System readings collected upon completion of work on 10/23/19

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	9.1	1393845)
(W7RFLO)	8.7	15042399
(W5RFLO)	8.8	10853722

Input Name	Water Level (Procontrol)
W5RLVL	-76.29
W7RLVL	-82.67
ER1LVL	-72.03

Location/ Input name	Pressure (Procontrol)
Transfer Pump (PREBAG)	4.9
Air Stripper (AS_PRS)	22.5
Discharge Pump (DSCPRS)	25.0

Location	Temp (Procontrol)
Room (RM_TMP)	61.9
Air Stripper (AS_TMP)	84.2
Discharge Pump (H2OTMP)	54.1

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	N/A

Location	pH
Effluent (EFF_PH)	8.5
Effluent (Measured)	—

Redux remaining (in. from bottom)	—

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: 10/22: Shutdown system on arrival. Remove pump from ERT-1 and replace piping to lower pump (SP) to original depth of -183.5' BTOC (Transducer @ -170.75' BTOC) Restart system and demobilize.

10/23: Shutdown system. Repeat process above w/ W5R (pump intake @ -111.0' BTOC, transducer @ -95.0' BTOC) and W7R (Intake @ -149.5', transducer @ -140.0' BTOC). Note that W7R was returned to -149.5' instead of -159.5' due to a damaged section of wire that needed to be cut/removed. Restart system and adjust valving and VFD frequencies to approach 9GPM per well. System running on departure.

*Note: SSDS was not inspected due to time constraints.

Mohonk Road - Groundwater Remediation System Checklist

Date: 11 13 19 **Personnel Onsite Initials:** CA AT

Input Name	*Flow Rates (On Meter)*	*Totalizer (Procontrol)*
(ER1FLO)	9.3	14153322
(W7RFLO)	8.85	15246058
(W5RFLO)	8.9	11060568

Input Name	*Water Level (Procontrol)*
W5RLVL	75.59
W7RLVL	83.32
ER1LVL	71.57

Location/ Input name	*Pressure (Procontrol)*
Transfer Pump (PREBAG)	5
Air Stripper (AS_PRS)	23.6
Discharge Pump (DSCPRS)	24

Location	*Temp (Procontrol)*
Room (RM_TMP)	51
Air Stripper (AS_TMP)	63
Discharge Pump (H2OTMP)	51

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)	8
Effluent (Measured)	—

Redux remaining (in. from bottom)	new Drum (2.5 left, including this one)

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

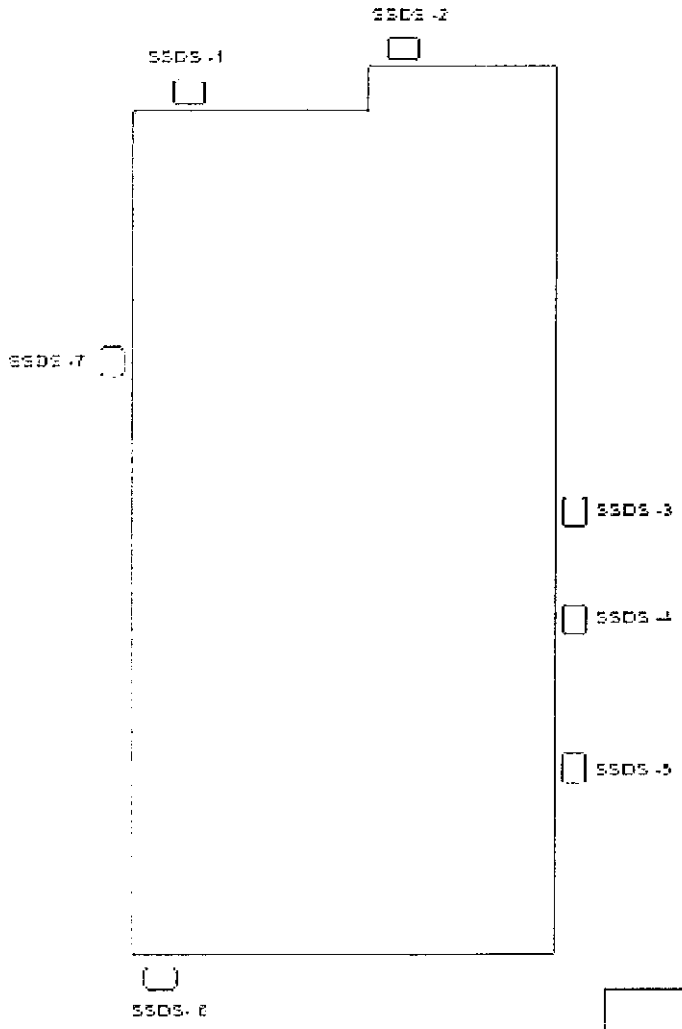
Notes: System running on arrival. Sample system. Switch Redux drums. Receive propane delivery and troubleshoot issue w/ heater, eventually resolved - heat on and working. Cut up and remove old well pipe for disposal. Inspect SSDS on adjacent building, Fan #6 has failed and needs service. Clean flow meters and remove garbage. System running on departure.

Mohonk Road - SSD System Checklist

Date: 11/13/19

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

Treatment Plan:



GeoLogic

Mohonk Road - Groundwater Remediation System Checklist

Date: 11/18/19 **Personnel Onsite Initials:** LK -JS

Input Name	*Flow Rates (On Meter)*	*Totalizer (Procontrol)*
(ER1FLO)	9.1	~~(9.1)~~ 14218089
(W7RFLO)	9.05	~~(9.0)~~ 15307740
(W5RFLO)	9.05	~~(9.0)~~ 11123197

Input Name	*Water Level (Procontrol)*
W5RLVL	~~7.88~~
W7RLVL	85.97
ER1LVL	73.84

Location/ Input name	*Pressure (Procontrol)*
Transfer Pump (PREBAG)	5.0
Air Stripper (AS_PRS)	22.74
Discharge Pump (DSCPRS)	24.6

Location	*Temp (Procontrol)*
Room (RM_TMP)	66.3
Air Stripper (AS_TMP)	75.6
Discharge Pump (H2OTMP)	50.9

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)	~~8.73~~
Effluent (Measured)	7.8

Redux remaining (in. from bottom)	

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:

ER1 - TOTAL 14218089

W7 " 15307740

W5 - " 11123197

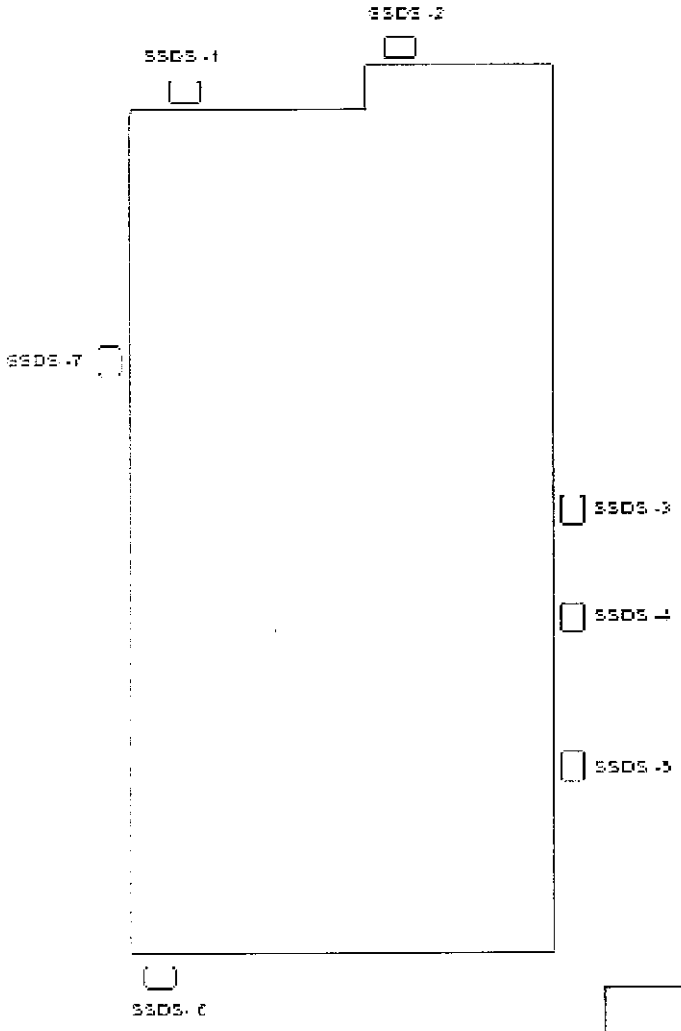
186 Mohonk

Mohonk Road - SSD System Checklist

Date: 11/18/19

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

Treatment Plan:



GeoLogic

Mohonk Road - Groundwater Remediation System Checklist

Date: 12/16/19 **Personnel Onsite Initials:** AT + GL

Input Name	*Flow Rates (On Meter)*	*Totalizer (Procontrol)*
(ER1FLO)	9.5	14,577,504
(W7RFLO)	9.2	15,655,915
(W5RFLO)	7.5	11,446,677

Input Name	*Water Level (Procontrol)*
W5RLVL	-72.32
W7RLVL	-82.22
ER1LVL	-69.54

Location/ Input name	*Pressure (Procontrol)*
Transfer Pump (PREBAG)	4.9
Air Stripper (AS_PRS)	22.99
Discharge Pump (DSCPRS)	23.9

Location	*Temp (Procontrol)*
Room (RM_TMP)	65.7
Air Stripper (AS_TMP)	72.2
Discharge Pump (H2OTMP)	49.7

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)	8.2
Effluent (Measured)	7.8

Redux remaining (in. from bottom)	Full

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

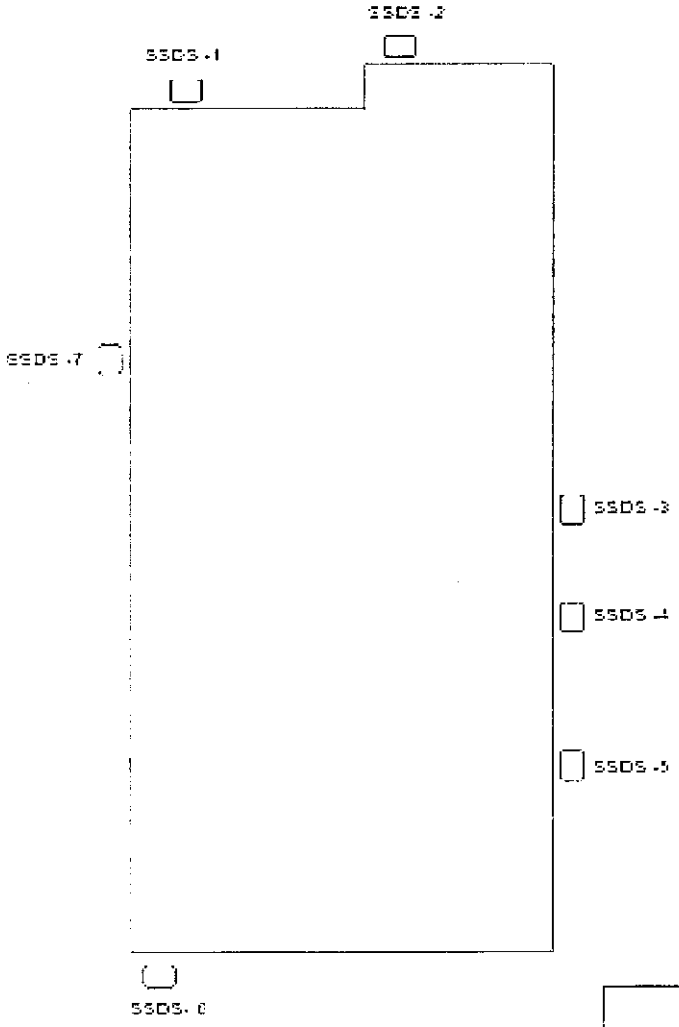
Notes: System running on arrival. Record system readings. Collect routine system samples. Change drum of Redux. Check SSDS fans for proper operation, all running. Propane capacity is @ 75%. Clean flow meters and remove garbage. System running well on departure.

Mohonk Road - SSD System Checklist

Date: 12/16/19

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

Treatment Plant



GeoLogic

Mohonk Road - Groundwater Remediation System Checklist

Date: 12/30/19 **Personnel Onsite Initials:** AT + CA

Input Name	*Flow Rates (On Meter)*	*Totalizer (Procontrol)*
(ER1FLO)	9.7	14695176
(W7RFLO)	9.7	15710263
(W5RFLO)	7.8	11538963

Input Name	*Water Level (Procontrol)*
W5RLVL	-57.50
W7RLVL	-69.72
ER1LVL	-64.90

Location/ Input name	*Pressure (Procontrol)*
Transfer Pump (PREBAG)	4.9
Air Stripper (AS_PRS)	22.5
Discharge Pump (DSCPRS)	23.5

Location	*Temp (Procontrol)*
Room (RM_TMP)	56.3
Air Stripper (AS_TMP)	63.9
Discharge Pump (H2OTMP)	50.7

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)	8.4
Effluent (Measured)	8.0

Redux remaining (in. from bottom)	2/3 Full

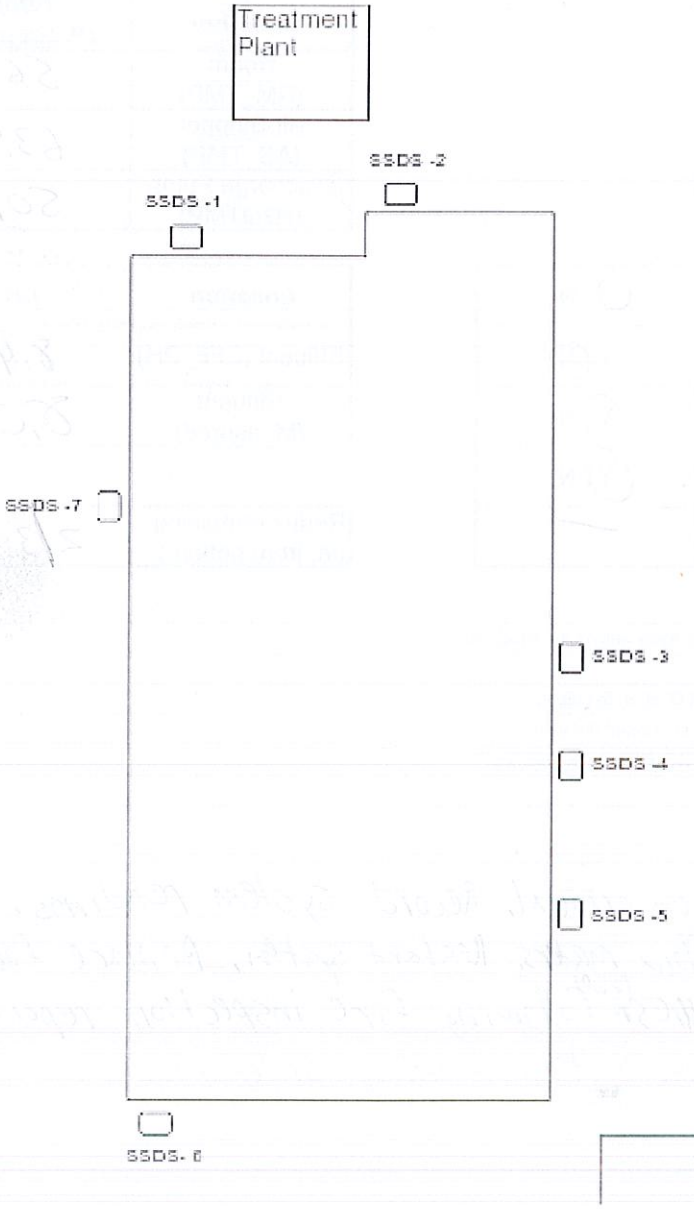
Take the following steps to record the flow totalizer for each well on the ProControl
i. Login to ProControl (Password: EOS).
ii. Once logged in, press the "I/O Up" key until "ER1FLO" is on the display
iii. Press "Set Hi/Lo" key until "Totalizer" is displayed and record the value
iv. Once value is recorded,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

Notes: System running on arrival. Record system readings. Shut down system and clean flow meters. Restart system. Replace faulty exit sign light fixtures (two) following fire inspection report. Check SSDS - all fans running. System running on departure.

Mohonk Road - SSD System Checklist

Date: 12/30/19

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



GeoLogic

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-186004-1
Client Project/Site: Mohonk Rd. #356023 - Monthly

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, New York 12233-7014

Attn: Charles Gregory

Authorized for release by:
7/17/2019 4:11:03 PM

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

LINKS

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Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Job ID: 460-186004-1
Project/Site: Mohonk Rd. #356023 - Monthly

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: New York State D.E.C.
Project/Site: Mohonk Rd. #356023 - Monthly

Job ID: 460-186004-1

Job ID: 460-186004-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

Job Narrative
460-186004-1

Receipt
The samples were received on 7/3/2019 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.2º C.

Receipt Exceptions
A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC). Per laboratory policy the trip blank sample date/time was changed to reflect the latest sample date/time of the sampling event.

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

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

Client Sample ID: 7R

Lab Sample ID: 460-186004-1

Date Collected: 07/01/19 10:00

Matrix: Water

Date Received: 07/03/19 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**100**		1.0	0.24	ug/L			07/10/19 16:55	1
1,1,2-Trichloroethane	ND		1.0	0.15	ug/L			07/10/19 16:55	1
1,1-Dichloroethane	**38**		1.0	0.26	ug/L			07/10/19 16:55	1
1,1-Dichloroethylene	**12**		1.0	0.12	ug/L			07/10/19 16:55	1
1,2-Dichloroethane	ND		1.0	0.84	ug/L			07/10/19 16:55	1
1,2-Dichloroethene, Total	**1.5**	**J**	2.0	0.44	ug/L			07/10/19 16:55	1
1,4-Dioxane	ND		50	28	ug/L			07/10/19 16:55	1
Acetone	ND		5.0	5.0	ug/L			07/10/19 16:55	1
Benzene	ND		1.0	0.43	ug/L			07/10/19 16:55	1
Carbon tetrachloride	ND		1.0	0.21	ug/L			07/10/19 16:55	1
Chloroform	ND		1.0	0.33	ug/L			07/10/19 16:55	1
Methylene Chloride	ND		1.0	0.32	ug/L			07/10/19 16:55	1
Toluene	ND		1.0	0.38	ug/L			07/10/19 16:55	1
Trichloroethylene	**0.98**	**J**	1.0	0.31	ug/L			07/10/19 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*60 - 140*		*07/10/19 16:55*	*1*
4-Bromofluorobenzene	*100*		*60 - 140*		*07/10/19 16:55*	*1*
Toluene-d8 (Surr)	*107*		*60 - 140*		*07/10/19 16:55*	*1*
Dibromofluoromethane (Surr)	*110*		*60 - 140*		*07/10/19 16:55*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.15	0.11	mg/L		07/06/19 22:00	07/07/19 21:13	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.5**	**HF**			SU			07/11/19 13:01	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**388**		10.0	10.0	mg/L			07/08/19 10:54	1
Total Suspended Solids	ND		2.5	2.5	mg/L			07/06/19 08:43	1

Client Sample ID: ERT-1

Lab Sample ID: 460-186004-2

Date Collected: 07/01/19 09:55

Matrix: Water

Date Received: 07/03/19 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**69**		1.0	0.24	ug/L			07/10/19 17:14	1
1,1,2-Trichloroethane	ND		1.0	0.15	ug/L			07/10/19 17:14	1
1,1-Dichloroethane	**8.7**		1.0	0.26	ug/L			07/10/19 17:14	1
1,1-Dichloroethylene	**20**		1.0	0.12	ug/L			07/10/19 17:14	1
1,2-Dichloroethane	ND		1.0	0.84	ug/L			07/10/19 17:14	1
1,2-Dichloroethene, Total	ND		2.0	0.44	ug/L			07/10/19 17:14	1
1,4-Dioxane	ND		50	28	ug/L			07/10/19 17:14	1
Acetone	ND		5.0	5.0	ug/L			07/10/19 17:14	1
Benzene	ND		1.0	0.43	ug/L			07/10/19 17:14	1
Carbon tetrachloride	ND		1.0	0.21	ug/L			07/10/19 17:14	1
Chloroform	ND		1.0	0.33	ug/L			07/10/19 17:14	1
Methylene Chloride	ND		1.0	0.32	ug/L			07/10/19 17:14	1

Client Sample ID: ERT-1

Lab Sample ID: 460-186004-2

Date Collected: 07/01/19 09:55

Matrix: Water

Date Received: 07/03/19 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.38	ug/L			07/10/19 17:14	1
Trichloroethylene	**6.1**		1.0	0.31	ug/L			07/10/19 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*60 - 140*		*07/10/19 17:14*	*1*
4-Bromofluorobenzene	*99*		*60 - 140*		*07/10/19 17:14*	*1*
Toluene-d8 (Surr)	*107*		*60 - 140*		*07/10/19 17:14*	*1*
Dibromofluoromethane (Surr)	*109*		*60 - 140*		*07/10/19 17:14*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.15	0.11	mg/L		07/06/19 22:00	07/07/19 21:24	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.5**	**HF**			SU			07/11/19 13:03	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**349**		10.0	10.0	mg/L			07/08/19 10:54	1
Total Suspended Solids	ND		2.5	2.5	mg/L			07/06/19 08:43	1

Client Sample ID: 5R

Lab Sample ID: 460-186004-3

Date Collected: 07/01/19 09:50

Matrix: Water

Date Received: 07/03/19 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**63**		1.0	0.24	ug/L			07/10/19 17:32	1
1,1,2-Trichloroethane	ND		1.0	0.15	ug/L			07/10/19 17:32	1
1,1-Dichloroethane	**3.8**		1.0	0.26	ug/L			07/10/19 17:32	1
1,1-Dichloroethylene	**14**		1.0	0.12	ug/L			07/10/19 17:32	1
1,2-Dichloroethane	ND		1.0	0.84	ug/L			07/10/19 17:32	1
1,2-Dichloroethene, Total	ND		2.0	0.44	ug/L			07/10/19 17:32	1
1,4-Dioxane	ND		50	28	ug/L			07/10/19 17:32	1
Acetone	ND		5.0	5.0	ug/L			07/10/19 17:32	1
Benzene	ND		1.0	0.43	ug/L			07/10/19 17:32	1
Carbon tetrachloride	ND		1.0	0.21	ug/L			07/10/19 17:32	1
Chloroform	ND		1.0	0.33	ug/L			07/10/19 17:32	1
Methylene Chloride	ND		1.0	0.32	ug/L			07/10/19 17:32	1
Toluene	ND		1.0	0.38	ug/L			07/10/19 17:32	1
Trichloroethylene	**5.2**		1.0	0.31	ug/L			07/10/19 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*60 - 140*		*07/10/19 17:32*	*1*
4-Bromofluorobenzene	*98*		*60 - 140*		*07/10/19 17:32*	*1*
Toluene-d8 (Surr)	*107*		*60 - 140*		*07/10/19 17:32*	*1*
Dibromofluoromethane (Surr)	*110*		*60 - 140*		*07/10/19 17:32*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.23**		0.15	0.11	mg/L		07/06/19 22:00	07/07/19 21:28	1

Client Sample ID: 5R
Lab Sample ID: 460-186004-3
Date Collected: 07/01/19 09:50
Matrix: Water
Date Received: 07/03/19 09:30

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.5**	**HF**			SU			07/11/19 13:05	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**472**		10.0	10.0	mg/L			07/08/19 10:54	1
Total Suspended Solids	ND		2.5	2.5	mg/L			07/06/19 08:43	1

Client Sample ID: Combined Influent
Lab Sample ID: 460-186004-4
Date Collected: 07/01/19 09:45
Matrix: Water
Date Received: 07/03/19 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.24	ug/L			07/10/19 17:50	1
1,1,2-Trichloroethane	ND		1.0	0.15	ug/L			07/10/19 17:50	1
1,1-Dichloroethane	ND		1.0	0.26	ug/L			07/10/19 17:50	1
1,1-Dichloroethylene	ND		1.0	0.12	ug/L			07/10/19 17:50	1
1,2-Dichloroethane	ND		1.0	0.84	ug/L			07/10/19 17:50	1
1,2-Dichloroethene, Total	ND		2.0	0.44	ug/L			07/10/19 17:50	1
1,4-Dioxane	ND		50	28	ug/L			07/10/19 17:50	1
Acetone	ND		5.0	5.0	ug/L			07/10/19 17:50	1
Benzene	ND		1.0	0.43	ug/L			07/10/19 17:50	1
Carbon tetrachloride	ND		1.0	0.21	ug/L			07/10/19 17:50	1
Chloroform	ND		1.0	0.33	ug/L			07/10/19 17:50	1
Methylene Chloride	ND		1.0	0.32	ug/L			07/10/19 17:50	1
Toluene	ND		1.0	0.38	ug/L			07/10/19 17:50	1
Trichloroethylene	ND		1.0	0.31	ug/L			07/10/19 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*60 - 140*		*07/10/19 17:50*	*1*
4-Bromofluorobenzene	*98*		*60 - 140*		*07/10/19 17:50*	*1*
Toluene-d8 (Surr)	*107*		*60 - 140*		*07/10/19 17:50*	*1*
Dibromofluoromethane (Surr)	*109*		*60 - 140*		*07/10/19 17:50*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.15	0.11	mg/L		07/06/19 22:00	07/07/19 21:32	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.3**	**HF**			SU			07/11/19 13:08	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**418**		10.0	10.0	mg/L			07/08/19 10:54	1
Total Suspended Solids	ND		2.5	2.5	mg/L			07/06/19 08:43	1

Client Sample ID: Effluent
Lab Sample ID: 460-186004-5
Date Collected: 07/01/19 09:40
Matrix: Water
Date Received: 07/03/19 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.24	ug/L			07/10/19 16:37	1
1,1,2-Trichloroethane	ND		1.0	0.15	ug/L			07/10/19 16:37	1

Client Sample ID: Effluent
Lab Sample ID: 460-186004-5

Date Collected: 07/01/19 09:40
Matrix: Water
Date Received: 07/03/19 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		1.0	0.26	ug/L			07/10/19 16:37	1
1,1-Dichloroethylene	ND		1.0	0.12	ug/L			07/10/19 16:37	1
1,2-Dichloroethane	ND		1.0	0.84	ug/L			07/10/19 16:37	1
1,2-Dichloroethene, Total	ND		2.0	0.44	ug/L			07/10/19 16:37	1
1,4-Dioxane	ND		50	28	ug/L			07/10/19 16:37	1
Acetone	ND		5.0	5.0	ug/L			07/10/19 16:37	1
Benzene	ND		1.0	0.43	ug/L			07/10/19 16:37	1
Carbon tetrachloride	ND		1.0	0.21	ug/L			07/10/19 16:37	1
Chloroform	ND		1.0	0.33	ug/L			07/10/19 16:37	1
Methylene Chloride	ND		1.0	0.32	ug/L			07/10/19 16:37	1
Toluene	ND		1.0	0.38	ug/L			07/10/19 16:37	1
Trichloroethylene	ND		1.0	0.31	ug/L			07/10/19 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*123*		*60 - 140*		*07/10/19 16:37*	*1*
4-Bromofluorobenzene	*98*		*60 - 140*		*07/10/19 16:37*	*1*
Toluene-d8 (Surr)	*107*		*60 - 140*		*07/10/19 16:37*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*		*07/10/19 16:37*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.15	0.11	mg/L		07/06/19 22:00	07/07/19 21:36	1

General Chemistry

Analyte	Result	Qualifier	NONE	NONE	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.4**	**HF**			SU			07/11/19 13:09	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**417**		10.0	10.0	mg/L			07/08/19 10:54	1
Total Suspended Solids	ND		2.5	2.5	mg/L			07/06/19 08:43	1

Client Sample ID: Trip Blank
Lab Sample ID: 460-186004-6

Date Collected: 07/01/19 10:00
Matrix: Water
Date Received: 07/03/19 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.24	ug/L			07/10/19 21:39	1
1,1,2-Trichloroethane	ND		1.0	0.15	ug/L			07/10/19 21:39	1
1,1-Dichloroethane	ND		1.0	0.26	ug/L			07/10/19 21:39	1
1,1-Dichloroethylene	ND		1.0	0.12	ug/L			07/10/19 21:39	1
1,2-Dichloroethane	ND		1.0	0.84	ug/L			07/10/19 21:39	1
1,2-Dichloroethene, Total	ND		2.0	0.44	ug/L			07/10/19 21:39	1
1,4-Dioxane	ND		50	28	ug/L			07/10/19 21:39	1
Acetone	ND		5.0	5.0	ug/L			07/10/19 21:39	1
Benzene	ND		1.0	0.43	ug/L			07/10/19 21:39	1
Carbon tetrachloride	ND		1.0	0.21	ug/L			07/10/19 21:39	1
Chloroform	ND		1.0	0.33	ug/L			07/10/19 21:39	1
Methylene Chloride	ND		1.0	0.32	ug/L			07/10/19 21:39	1
Toluene	ND		1.0	0.38	ug/L			07/10/19 21:39	1
Trichloroethylene	ND		1.0	0.31	ug/L			07/10/19 21:39	1

Client: New York State D.E.C.
Job ID: 460-186004-1
Project/Site: Mohonk Rd. #356023 - Monthly

Client Sample ID: Trip Blank
Lab Sample ID: 460-186004-6
Date Collected: 07/01/19 10:00
Matrix: Water
Date Received: 07/03/19 09:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		60 - 140		07/10/19 21:39	1
4-Bromofluorobenzene	98		60 - 140		07/10/19 21:39	1
Toluene-d8 (Surr)	108		60 - 140		07/10/19 21:39	1
Dibromofluoromethane (Surr)	108		60 - 140		07/10/19 21:39	1

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-186004-1
Project/Site: Mohonk Rd. #356023 - Monthly

Client Sample ID: 7R
Lab Sample ID: 460-186004-1
Date Collected: 07/01/19 10:00
Matrix: Water
Date Received: 07/03/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	623452	07/10/19 16:55	CJM	TAL EDI
Total Recoverable	Prep	200.7			622790	07/06/19 22:00	GAE	TAL EDI
Total Recoverable	Analysis	200.7 Rev 4.4		1	622850	07/07/19 21:13	CDC	TAL EDI
Total/NA	Analysis	SM 2540C		1	622990	07/08/19 10:54	PLS	TAL EDI
Total/NA	Analysis	SM 2540D		1	622701	07/06/19 08:43	JJK	TAL EDI
Total/NA	Analysis	SM 4500 H+ B		1	623865	07/11/19 13:01	AAP	TAL EDI

Client Sample ID: ERT-1
Lab Sample ID: 460-186004-2
Date Collected: 07/01/19 09:55
Matrix: Water
Date Received: 07/03/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	623452	07/10/19 17:14	CJM	TAL EDI
Total Recoverable	Prep	200.7			622790	07/06/19 22:00	GAE	TAL EDI
Total Recoverable	Analysis	200.7 Rev 4.4		1	622850	07/07/19 21:24	CDC	TAL EDI
Total/NA	Analysis	SM 2540C		1	622990	07/08/19 10:54	PLS	TAL EDI
Total/NA	Analysis	SM 2540D		1	622701	07/06/19 08:43	JJK	TAL EDI
Total/NA	Analysis	SM 4500 H+ B		1	623865	07/11/19 13:03	AAP	TAL EDI

Client Sample ID: 5R
Lab Sample ID: 460-186004-3
Date Collected: 07/01/19 09:50
Matrix: Water
Date Received: 07/03/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	623452	07/10/19 17:32	CJM	TAL EDI
Total Recoverable	Prep	200.7			622790	07/06/19 22:00	GAE	TAL EDI
Total Recoverable	Analysis	200.7 Rev 4.4		1	622850	07/07/19 21:28	CDC	TAL EDI
Total/NA	Analysis	SM 2540C		1	622990	07/08/19 10:54	PLS	TAL EDI
Total/NA	Analysis	SM 2540D		1	622701	07/06/19 08:43	JJK	TAL EDI
Total/NA	Analysis	SM 4500 H+ B		1	623865	07/11/19 13:05	AAP	TAL EDI

Client Sample ID: Combined Influent
Lab Sample ID: 460-186004-4
Date Collected: 07/01/19 09:45
Matrix: Water
Date Received: 07/03/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	623452	07/10/19 17:50	CJM	TAL EDI
Total Recoverable	Prep	200.7			622790	07/06/19 22:00	GAE	TAL EDI
Total Recoverable	Analysis	200.7 Rev 4.4		1	622850	07/07/19 21:32	CDC	TAL EDI
Total/NA	Analysis	SM 2540C		1	622990	07/08/19 10:54	PLS	TAL EDI
Total/NA	Analysis	SM 2540D		1	622701	07/06/19 08:43	JJK	TAL EDI
Total/NA	Analysis	SM 4500 H+ B		1	623865	07/11/19 13:08	AAP	TAL EDI

Lab Chronicle

Client: New York State D.E.C.
Job ID: 460-186004-1
Project/Site: Mohonk Rd. #356023 - Monthly

Client Sample ID: Effluent
Lab Sample ID: 460-186004-5

Date Collected: 07/01/19 09:40
Matrix: Water
Date Received: 07/03/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	623452	07/10/19 16:37	CJM	TAL EDI
Total Recoverable	Prep	200.7			622790	07/06/19 22:00	GAE	TAL EDI
Total Recoverable	Analysis	200.7 Rev 4.4		1	622850	07/07/19 21:36	CDC	TAL EDI
Total/NA	Analysis	SM 2540C		1	622990	07/08/19 10:54	PLS	TAL EDI
Total/NA	Analysis	SM 2540D		1	622701	07/06/19 08:43	JJK	TAL EDI
Total/NA	Analysis	SM 4500 H+ B		1	623865	07/11/19 13:09	AAP	TAL EDI

Client Sample ID: Trip Blank
Lab Sample ID: 460-186004-6

Date Collected: 07/01/19 10:00
Matrix: Water
Date Received: 07/03/19 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	623653	07/10/19 21:39	VBP	TAL EDI

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 460-186004-1
Project/Site: Mohonk Rd. #356023 - Monthly

Laboratory: Eurofins TestAmerica, Edison

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	11452	04-01-20

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

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

Laboratory: Eurofins TestAmerica, Buffalo

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

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

Method Summary

Client: New York State D.E.C.
Job ID: 460-186004-1
Project/Site: Mohonk Rd. #356023 - Monthly

Method	Method Description	Protocol	Laboratory
624.1	Volatile Organic Compounds (GC/MS)	40CFR136A	TAL EDI
200.7 Rev 4.4	Metals (ICP)	EPA	TAL EDI
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL EDI
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL EDI
SM 4500 H+ B	pH	SM	TAL EDI
200.7	Preparation, Total Recoverable Metals	EPA	TAL EDI

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 EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: New York State D.E.C.
Job ID: 460-186004-1
Project/Site: Mohonk Rd. #356023 - Monthly

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-186004-1	7R	Water	07/01/19 10:00	07/03/19 09:30	
460-186004-2	ERT-1	Water	07/01/19 09:55	07/03/19 09:30	
460-186004-3	5R	Water	07/01/19 09:50	07/03/19 09:30	
460-186004-4	Combined Influent	Water	07/01/19 09:45	07/03/19 09:30	
460-186004-5	Effluent	Water	07/01/19 09:40	07/03/19 09:30	
460-186004-6	Trip Blank	Water	07/01/19 10:00	07/03/19 09:30	

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

Albany #224

Chain of Custody Record

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7/17/2019

Client Information	Sampler: Jonathan Graziane	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-123829-15807.1
Client Contact: Andrew Talbot	Phone: (518) 885-5383	E-Mail: judy.stone@testamericainc.com		Page: Page 1 of 1
Company: Aztech Technologies Inc				Job #: 186004
Address: 5 McCrea Hill Road	Due Date Requested:	Analysis Requested		Preservation Codes:
City: Ballston Spa	TAT Requested (days):			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: NY, 12020				
Phone:	PO #: CallOut 136396			Other:
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	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	SM4500_H+ - pH	624.1_PREC - (MOD) Priority Pollutant List - VOA - 62	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	N	A		
7R	07/1/19	1000	G	Water	N	N	X	X	X	X	X		1
ERT-1	07/1/19	0955	G	Water	N	N	X	X	X	X	X		2
5R	07/1/19	0950	G	Water	N	N	X	X	X	X	X		3
Combined Influent	07/1/19	0945	G	Water	N	N	X	X	X	X	X		4
Effluent	07/1/19	0940	G	Water	N	N	X	X	X	X	X		5
	7/2/19												

460-186004 Chain of Custody

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: Jonathan Graziane	Date/Time: 7/1/19 1530	Company: Aztech	Received by: Karl Jadus	Angela Pinilla via FEDEX	Date/Time: 7/2/19 0450	Company: TA	
Relinquished by: Karl Jadus	Date/Time: 7/2/19 1700	Company: TA	Received by:		Date/Time: 7/3/19 9:30	Company: TA Edison	
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company	

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.: NO CS	Cooler Temperature(s) °C and Other Remarks: 1.2°C IR #9

Ver: 01/16/2019

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 186004

Number of Coolers: 1 IR Gun #: 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.0 °C	°C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* *Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: ACCP Date: 7/3/19

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-186004-1

Login Number: 186004

List Source: Eurofins TestAmerica, Edison

List Number: 1

Creator: DiGuardia, Joseph L

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-186004-1

Login Number: 186004

List Source: Eurofins TestAmerica, Edison

List Number: 2

Creator: DiGuardia, Joseph L

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 480-160366-1
Client Project/Site: Mohonk Rd. #356023 - Monthly

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, New York 12233-7014

Attn: Charles Gregory

Authorized for release by:
10/25/2019 10:33:29 AM

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

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-160366-1
Project/Site: Mohonk Rd. #356023 - Monthly

Qualifiers

GC/MS VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
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: 480-160366-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-160366-1

Receipt
The samples were received on 10/5/2019 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5º C.

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

Metals
Method 200.7 Rev 4.4: The method blank for preparation batch 480-496571 contained Total Iron above the reporting limit (RL). None of the samples 7R (480-160366-1), ERT-1 (480-160366-2), COMBINED INFLUENT (480-160366-4) and EFFLUENT (480-160366-5) associated with this method blank contained the target compound; therefore, re-extraction and/or re-analysis of samples were not performed.

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

General Chemistry
Methods 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 have been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: 7R (480-160366-1), ERT-1 (480-160366-2), 5R (480-160366-3), COMBINED INFLUENT (480-160366-4) and EFFLUENT (480-160366-5).

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

Client: New York State D.E.C.
Job ID: 480-160366-1
Project/Site: Mohonk Rd. #356023 - Monthly

Client Sample ID: 7R
Lab Sample ID: 480-160366-1
Date Collected: 10/03/19 10:40
Matrix: Water
Date Received: 10/05/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**86**		5.0	0.39	ug/L			10/10/19 12:45	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/10/19 12:45	1
1,1-Dichloroethane	**37**		5.0	0.59	ug/L			10/10/19 12:45	1
1,1-Dichloroethylene	**12**		5.0	0.85	ug/L			10/10/19 12:45	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/10/19 12:45	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			10/10/19 12:45	1
1,4-Dioxane	ND		200	15	ug/L			10/10/19 12:45	1
Acetone	ND		25	2.0	ug/L			10/10/19 12:45	1
Benzene	ND		5.0	0.60	ug/L			10/10/19 12:45	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/10/19 12:45	1
Chloroform	ND		5.0	0.54	ug/L			10/10/19 12:45	1
Methylene Chloride	ND		5.0	0.81	ug/L			10/10/19 12:45	1
Toluene	ND		5.0	0.45	ug/L			10/10/19 12:45	1
Trichloroethylene	**0.75**	**J**	5.0	0.60	ug/L			10/10/19 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*74*		*68 - 130*		*10/10/19 12:45*	*1*
4-Bromofluorobenzene (Surr)	*93*		*76 - 123*		*10/10/19 12:45*	*1*
Toluene-d8 (Surr)	*85*		*77 - 120*		*10/10/19 12:45*	*1*
Dibromofluoromethane (Surr)	*86*		*75 - 123*		*10/10/19 12:45*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND	F1 F2	0.050	0.019	mg/L		10/08/19 10:14	10/09/19 01:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**354**		10.0	4.0	mg/L			10/09/19 09:50	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			10/09/19 16:06	1
pH	**7.2**	**HF**	0.1	0.1	SU			10/24/19 13:43	1
Temperature	**20.1**	**HF**	0.001	0.001	Degrees C			10/24/19 13:43	1

Client Sample ID: ERT-1
Lab Sample ID: 480-160366-2
Date Collected: 10/03/19 10:30
Matrix: Water
Date Received: 10/05/19 08:00

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			10/10/19 13:09	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/10/19 13:09	1
1,1-Dichloroethane	**7.0**		5.0	0.59	ug/L			10/10/19 13:09	1
1,1-Dichloroethylene	**14**		5.0	0.85	ug/L			10/10/19 13:09	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/10/19 13:09	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			10/10/19 13:09	1
1,4-Dioxane	ND		200	15	ug/L			10/10/19 13:09	1
Acetone	ND		25	2.0	ug/L			10/10/19 13:09	1
Benzene	ND		5.0	0.60	ug/L			10/10/19 13:09	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/10/19 13:09	1
Chloroform	ND		5.0	0.54	ug/L			10/10/19 13:09	1

Client: New York State D.E.C.
Job ID: 480-160366-1
Project/Site: Mohonk Rd. #356023 - Monthly

Client Sample ID: ERT-1
Lab Sample ID: 480-160366-2
Date Collected: 10/03/19 10:30
Matrix: Water
Date Received: 10/05/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	0.81	ug/L			10/10/19 13:09	1
Toluene	ND		5.0	0.45	ug/L			10/10/19 13:09	1
Trichloroethylene	**4.4**	**J**	5.0	0.60	ug/L			10/10/19 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*76*		*68 - 130*		*10/10/19 13:09*	*1*
4-Bromofluorobenzene (Surr)	*94*		*76 - 123*		*10/10/19 13:09*	*1*
Toluene-d8 (Surr)	*84*		*77 - 120*		*10/10/19 13:09*	*1*
Dibromofluoromethane (Surr)	*84*		*75 - 123*		*10/10/19 13:09*	*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		10/08/19 10:14	10/09/19 01:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**351**		10.0	4.0	mg/L			10/09/19 09:50	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			10/09/19 16:06	1
pH	**7.2**	**HF**	0.1	0.1	SU			10/24/19 13:40	1
Temperature	**20.2**	**HF**	0.001	0.001	Degrees C			10/24/19 13:40	1

Client Sample ID: 5R
Lab Sample ID: 480-160366-3
Date Collected: 10/03/19 10:20
Matrix: Water
Date Received: 10/05/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**93**		5.0	0.39	ug/L			10/10/19 13:33	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/10/19 13:33	1
1,1-Dichloroethane	**7.1**		5.0	0.59	ug/L			10/10/19 13:33	1
1,1-Dichloroethylene	**27**		5.0	0.85	ug/L			10/10/19 13:33	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/10/19 13:33	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			10/10/19 13:33	1
1,4-Dioxane	ND		200	15	ug/L			10/10/19 13:33	1
Acetone	ND		25	2.0	ug/L			10/10/19 13:33	1
Benzene	ND		5.0	0.60	ug/L			10/10/19 13:33	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/10/19 13:33	1
Chloroform	ND		5.0	0.54	ug/L			10/10/19 13:33	1
Methylene Chloride	ND		5.0	0.81	ug/L			10/10/19 13:33	1
Toluene	ND		5.0	0.45	ug/L			10/10/19 13:33	1
Trichloroethylene	**7.3**		5.0	0.60	ug/L			10/10/19 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*77*		*68 - 130*		*10/10/19 13:33*	*1*
4-Bromofluorobenzene (Surr)	*92*		*76 - 123*		*10/10/19 13:33*	*1*
Toluene-d8 (Surr)	*82*		*77 - 120*		*10/10/19 13:33*	*1*
Dibromofluoromethane (Surr)	*86*		*75 - 123*		*10/10/19 13:33*	*1*

Client Sample ID: 5R
Lab Sample ID: 480-160366-3
Date Collected: 10/03/19 10:20
Matrix: Water
Date Received: 10/05/19 08:00

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.024**	**J**	0.050	0.019	mg/L		10/15/19 12:12	10/15/19 21:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**391**		10.0	4.0	mg/L			10/09/19 09:50	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			10/09/19 16:06	1
pH	**7.2**	**HF**	0.1	0.1	SU			10/24/19 13:38	1
Temperature	**20.3**	**HF**	0.001	0.001	Degrees C			10/24/19 13:38	1

Client Sample ID: COMBINED INFLUENT
Lab Sample ID: 480-160366-4
Date Collected: 10/03/19 10:10
Matrix: Water
Date Received: 10/05/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**77**		5.0	0.39	ug/L			10/10/19 13:56	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/10/19 13:56	1
1,1-Dichloroethane	**17**		5.0	0.59	ug/L			10/10/19 13:56	1
1,1-Dichloroethylene	**16**		5.0	0.85	ug/L			10/10/19 13:56	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/10/19 13:56	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			10/10/19 13:56	1
1,4-Dioxane	ND		200	15	ug/L			10/10/19 13:56	1
Acetone	ND		25	2.0	ug/L			10/10/19 13:56	1
Benzene	ND		5.0	0.60	ug/L			10/10/19 13:56	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/10/19 13:56	1
Chloroform	ND		5.0	0.54	ug/L			10/10/19 13:56	1
Methylene Chloride	ND		5.0	0.81	ug/L			10/10/19 13:56	1
Toluene	ND		5.0	0.45	ug/L			10/10/19 13:56	1
Trichloroethylene	**4.5**	**J**	5.0	0.60	ug/L			10/10/19 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*76*		*68 - 130*		*10/10/19 13:56*	*1*
4-Bromofluorobenzene (Surr)	*93*		*76 - 123*		*10/10/19 13:56*	*1*
Toluene-d8 (Surr)	*83*		*77 - 120*		*10/10/19 13:56*	*1*
Dibromofluoromethane (Surr)	*85*		*75 - 123*		*10/10/19 13:56*	*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		10/08/19 10:14	10/09/19 01:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**345**		10.0	4.0	mg/L			10/09/19 09:50	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	**22.0**		4.0	4.0	mg/L			10/10/19 11:00	1
pH	**7.2**	**HF**	0.1	0.1	SU			10/24/19 13:35	1
Temperature	**20.4**	**HF**	0.001	0.001	Degrees C			10/24/19 13:35	1

Client: New York State D.E.C.
Job ID: 480-160366-1
Project/Site: Mohonk Rd. #356023 - Monthly

Client Sample ID: EFFLUENT
Lab Sample ID: 480-160366-5
Date Collected: 10/03/19 10:00
Matrix: Water
Date Received: 10/05/19 08:00

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			10/10/19 14:20	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			10/10/19 14:20	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			10/10/19 14:20	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			10/10/19 14:20	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			10/10/19 14:20	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			10/10/19 14:20	1
1,4-Dioxane	ND		200	15	ug/L			10/10/19 14:20	1
Acetone	ND		25	2.0	ug/L			10/10/19 14:20	1
Benzene	ND		5.0	0.60	ug/L			10/10/19 14:20	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			10/10/19 14:20	1
Chloroform	ND		5.0	0.54	ug/L			10/10/19 14:20	1
Methylene Chloride	ND		5.0	0.81	ug/L			10/10/19 14:20	1
Toluene	ND		5.0	0.45	ug/L			10/10/19 14:20	1
Trichloroethylene	ND		5.0	0.60	ug/L			10/10/19 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*76*		*68 - 130*		*10/10/19 14:20*	*1*
4-Bromofluorobenzene (Surr)	*93*		*76 - 123*		*10/10/19 14:20*	*1*
Toluene-d8 (Surr)	*82*		*77 - 120*		*10/10/19 14:20*	*1*
Dibromofluoromethane (Surr)	*86*		*75 - 123*		*10/10/19 14:20*	*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		10/08/19 10:14	10/09/19 01:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**357**		10.0	4.0	mg/L			10/09/19 09:50	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	**40.4**		4.0	4.0	mg/L			10/10/19 11:00	1
pH	**8.2**	**HF**	0.1	0.1	SU			10/24/19 13:33	1
Temperature	**20.4**	**HF**	0.001	0.001	Degrees C			10/24/19 13:33	1

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-160366-1
Project/Site: Mohonk Rd. #356023 - Monthly

Client Sample ID: 7R
Lab Sample ID: 480-160366-1
Date Collected: 10/03/19 10:40
Matrix: Water
Date Received: 10/05/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	497142	10/10/19 12:45	S1V	TAL BUF
Total/NA	Prep	200.7			496571	10/08/19 10:14	NSW	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	496808	10/09/19 01:07	AMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	496889	10/09/19 09:50	CSS	TAL BUF
Total/NA	Analysis	SM 2540D		1	497049	10/09/19 16:06	CSS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	500055	10/24/19 13:43	KEB	TAL BUF

Client Sample ID: ERT-1
Lab Sample ID: 480-160366-2
Date Collected: 10/03/19 10:30
Matrix: Water
Date Received: 10/05/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	497142	10/10/19 13:09	S1V	TAL BUF
Total/NA	Prep	200.7			496571	10/08/19 10:14	NSW	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	496808	10/09/19 01:26	AMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	496889	10/09/19 09:50	CSS	TAL BUF
Total/NA	Analysis	SM 2540D		1	497049	10/09/19 16:06	CSS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	500055	10/24/19 13:40	KEB	TAL BUF

Client Sample ID: 5R
Lab Sample ID: 480-160366-3
Date Collected: 10/03/19 10:20
Matrix: Water
Date Received: 10/05/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	497142	10/10/19 13:33	S1V	TAL BUF
Total/NA	Prep	200.7			498115	10/15/19 12:12	ADM	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	498301	10/15/19 21:29	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	496889	10/09/19 09:50	CSS	TAL BUF
Total/NA	Analysis	SM 2540D		1	497049	10/09/19 16:06	CSS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	500055	10/24/19 13:38	KEB	TAL BUF

Client Sample ID: COMBINED INFLUENT
Lab Sample ID: 480-160366-4
Date Collected: 10/03/19 10:10
Matrix: Water
Date Received: 10/05/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	497142	10/10/19 13:56	S1V	TAL BUF
Total/NA	Prep	200.7			496571	10/08/19 10:14	NSW	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	496808	10/09/19 01:34	AMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	496889	10/09/19 09:50	CSS	TAL BUF
Total/NA	Analysis	SM 2540D		1	497191	10/10/19 11:00	CSS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	500055	10/24/19 13:35	KEB	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-160366-1
Project/Site: Mohonk Rd. #356023 - Monthly

Client Sample ID: EFFLUENT
Lab Sample ID: 480-160366-5

Date Collected: 10/03/19 10:00
Matrix: Water
Date Received: 10/05/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	497142	10/10/19 14:20	S1V	TAL BUF
Total/NA	Prep	200.7			496571	10/08/19 10:14	NSW	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	496808	10/09/19 01:37	AMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	496889	10/09/19 09:50	CSS	TAL BUF
Total/NA	Analysis	SM 2540D		1	497191	10/10/19 11:00	CSS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	500055	10/24/19 13:33	KEB	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-160366-1
Project/Site: Mohonk Rd. #356023 - Monthly

Laboratory: Eurofins TestAmerica, Buffalo

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
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: New York State D.E.C.
Job ID: 480-160366-1
Project/Site: Mohonk Rd. #356023 - Monthly

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

Sample Summary

Client: New York State D.E.C.
Job ID: 480-160366-1
Project/Site: Mohonk Rd. #356023 - Monthly

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-160366-1	7R	Water	10/03/19 10:40	10/05/19 08:00	
480-160366-2	ERT-1	Water	10/03/19 10:30	10/05/19 08:00	
480-160366-3	5R	Water	10/03/19 10:20	10/05/19 08:00	
480-160366-4	COMBINED INFLUENT	Water	10/03/19 10:10	10/05/19 08:00	
480-160366-5	EFFLUENT	Water	10/03/19 10:00	10/05/19 08:00	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-160366-1

Login Number: 160366

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

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.	True	
Chlorine Residual checked.	N/A	

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

Albany #224

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler:	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-123830-15807.1
Client Contact: Andrew Talbot	Phone:	E-Mail: judy.stone@testamericainc.com		Page: Page 1 of 1

Company: Aztech Technologies Inc

Address: 5 McCrea Hill Road
City: Ballston Spa
State, Zip: NY, 12020
Phone:
Email: atalbot@aztechenv.com
Project Name: Mohonk Rd. #356023
Site:

Due Date Requested:
TAT Requested (days):
PO #: CallOut 136396
WO #:
Project #: 48005267
SSOW#:

480-160366 Chain of Custody

H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify); Other:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	200.7 - Iron	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	SM4500_H+ - pH	624.1_PREC - (MOD) Priority Pollutant List - VOA - 62	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	N	A		
7R	10/3/14	1040	G	Water			X	X	X	X	X		
ERT-1	10/3/14	1030	G	Water			X	X	X	X	X		
5R	10/3/14	1020	G	Water			X	X	X	X	X		
Combined Influent	10/3/14	1010	G	Water			X	X	X	X	X		
Effluent	10/3/14	1000	G	Water			X	X	X	X	X		

KL2 10/4/19

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	[signature]	10/3/14 1500	Aztech	[signature]	10/4/19 0650	Eurofins
2	[signature]	10/4/19 1700	Eurofins	[signature]	10/5/19 0800	TAB
3						

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: TF1 2.5

Ver: 01/16/2019

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 480-162682-1
Client Project/Site: Mohonk Rd. #356023 - Monthly

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, New York 12233-7014

Attn: Charles Gregory

Authorized for release by:
12/9/2019 4:08:22 PM

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

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-162682-1
Project/Site: Mohonk Rd. #356023 - Monthly

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: 480-162682-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-162682-1

Receipt
The samples were received on 11/14/2019 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

GC/MS VOA
Method 624.1: The continuing calibration verification (CCV) associated with batch 480-504649 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: 7R (480-162682-1), ERT-1 (480-162682-2), 5R (480-162682-3), COMBINED INFLUENT (480-162682-4) and EFFLUENT (480-162682-5).

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

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

General Chemistry
Methods 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 have been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: 7R (480-162682-1), ERT-1 (480-162682-2), 5R (480-162682-3), COMBINED INFLUENT (480-162682-4) and EFFLUENT (480-162682-5).

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

Client Sample ID: 7R

Lab Sample ID: 480-162682-1

Date Collected: 11/13/19 10:20

Matrix: Water

Date Received: 11/14/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**60**		5.0	0.39	ug/L			11/15/19 15:09	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			11/15/19 15:09	1
1,1-Dichloroethane	**22**		5.0	0.59	ug/L			11/15/19 15:09	1
1,1-Dichloroethylene	**9.3**		5.0	0.85	ug/L			11/15/19 15:09	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			11/15/19 15:09	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			11/15/19 15:09	1
1,4-Dioxane	ND		200	15	ug/L			11/15/19 15:09	1
Acetone	ND		25	2.0	ug/L			11/15/19 15:09	1
Benzene	ND		5.0	0.60	ug/L			11/15/19 15:09	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			11/15/19 15:09	1
Chloroform	ND		5.0	0.54	ug/L			11/15/19 15:09	1
Methylene Chloride	ND		5.0	0.81	ug/L			11/15/19 15:09	1
Toluene	ND		5.0	0.45	ug/L			11/15/19 15:09	1
Trichloroethylene	**1.1**	**J**	5.0	0.60	ug/L			11/15/19 15:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 130*		*11/15/19 15:09*	*1*
4-Bromofluorobenzene (Surr)	*108*		*76 - 123*		*11/15/19 15:09*	*1*
Toluene-d8 (Surr)	*93*		*77 - 120*		*11/15/19 15:09*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*11/15/19 15:09*	*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		11/16/19 12:10	11/18/19 12:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**317**		10.0	4.0	mg/L			11/19/19 17:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	**4.8**		4.0	4.0	mg/L			11/20/19 15:51	1
pH	**7.3**	**HF**	0.1	0.1	SU			12/05/19 11:13	1
Temperature	**19.9**	**HF**	0.001	0.001	Degrees C			12/05/19 11:13	1

Client Sample ID: ERT-1

Lab Sample ID: 480-162682-2

Date Collected: 11/13/19 10:15

Matrix: Water

Date Received: 11/14/19 08:00

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			11/15/19 15:33	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			11/15/19 15:33	1
1,1-Dichloroethane	**8.2**		5.0	0.59	ug/L			11/15/19 15:33	1
1,1-Dichloroethylene	**19**		5.0	0.85	ug/L			11/15/19 15:33	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			11/15/19 15:33	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			11/15/19 15:33	1
1,4-Dioxane	ND		200	15	ug/L			11/15/19 15:33	1
Acetone	ND		25	2.0	ug/L			11/15/19 15:33	1
Benzene	ND		5.0	0.60	ug/L			11/15/19 15:33	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			11/15/19 15:33	1
Chloroform	ND		5.0	0.54	ug/L			11/15/19 15:33	1

Client Sample ID: ERT-1

Lab Sample ID: 480-162682-2

Date Collected: 11/13/19 10:15

Matrix: Water

Date Received: 11/14/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	0.81	ug/L			11/15/19 15:33	1
Toluene	ND		5.0	0.45	ug/L			11/15/19 15:33	1
Trichloroethylene	**5.3**		5.0	0.60	ug/L			11/15/19 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 130*		*11/15/19 15:33*	*1*
4-Bromofluorobenzene (Surr)	*109*		*76 - 123*		*11/15/19 15:33*	*1*
Toluene-d8 (Surr)	*95*		*77 - 120*		*11/15/19 15:33*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*11/15/19 15:33*	*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		11/16/19 12:10	11/18/19 12:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**388**		10.0	4.0	mg/L			11/19/19 17:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	**5.2**		4.0	4.0	mg/L			11/20/19 15:51	1
pH	**7.0**	**HF**	0.1	0.1	SU			12/05/19 11:23	1
Temperature	**20.1**	**HF**	0.001	0.001	Degrees C			12/05/19 11:23	1

Client Sample ID: 5R

Lab Sample ID: 480-162682-3

Date Collected: 11/13/19 10:10

Matrix: Water

Date Received: 11/14/19 08:00

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			11/15/19 15:57	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			11/15/19 15:57	1
1,1-Dichloroethane	**3.8**	**J**	5.0	0.59	ug/L			11/15/19 15:57	1
1,1-Dichloroethylene	**16**		5.0	0.85	ug/L			11/15/19 15:57	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			11/15/19 15:57	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			11/15/19 15:57	1
1,4-Dioxane	ND		200	15	ug/L			11/15/19 15:57	1
Acetone	ND		25	2.0	ug/L			11/15/19 15:57	1
Benzene	ND		5.0	0.60	ug/L			11/15/19 15:57	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			11/15/19 15:57	1
Chloroform	ND		5.0	0.54	ug/L			11/15/19 15:57	1
Methylene Chloride	ND		5.0	0.81	ug/L			11/15/19 15:57	1
Toluene	ND		5.0	0.45	ug/L			11/15/19 15:57	1
Trichloroethylene	**5.1**		5.0	0.60	ug/L			11/15/19 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 130*		*11/15/19 15:57*	*1*
4-Bromofluorobenzene (Surr)	*109*		*76 - 123*		*11/15/19 15:57*	*1*
Toluene-d8 (Surr)	*96*		*77 - 120*		*11/15/19 15:57*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*11/15/19 15:57*	*1*

Client Sample ID: 5R
Lab Sample ID: 480-162682-3
Date Collected: 11/13/19 10:10
Matrix: Water
Date Received: 11/14/19 08:00

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		11/16/19 12:10	11/18/19 12:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**481**		10.0	4.0	mg/L			11/19/19 17:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			11/20/19 15:51	1
pH	**7.2**	**HF**	0.1	0.1	SU			12/05/19 11:25	1
Temperature	**20.4**	**HF**	0.001	0.001	Degrees C			12/05/19 11:25	1

Client Sample ID: COMBINED INFLUENT
Lab Sample ID: 480-162682-4
Date Collected: 11/13/19 10:05
Matrix: Water
Date Received: 11/14/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**56**		5.0	0.39	ug/L			11/15/19 16:21	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			11/15/19 16:21	1
1,1-Dichloroethane	**11**		5.0	0.59	ug/L			11/15/19 16:21	1
1,1-Dichloroethylene	**13**		5.0	0.85	ug/L			11/15/19 16:21	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			11/15/19 16:21	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			11/15/19 16:21	1
1,4-Dioxane	ND		200	15	ug/L			11/15/19 16:21	1
Acetone	ND		25	2.0	ug/L			11/15/19 16:21	1
Benzene	ND		5.0	0.60	ug/L			11/15/19 16:21	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			11/15/19 16:21	1
Chloroform	ND		5.0	0.54	ug/L			11/15/19 16:21	1
Methylene Chloride	ND		5.0	0.81	ug/L			11/15/19 16:21	1
Toluene	ND		5.0	0.45	ug/L			11/15/19 16:21	1
Trichloroethylene	**3.7**	**J**	5.0	0.60	ug/L			11/15/19 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*68 - 130*		*11/15/19 16:21*	*1*
4-Bromofluorobenzene (Surr)	*109*		*76 - 123*		*11/15/19 16:21*	*1*
Toluene-d8 (Surr)	*92*		*77 - 120*		*11/15/19 16:21*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*11/15/19 16:21*	*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		11/16/19 12:10	11/18/19 13:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**389**		10.0	4.0	mg/L			11/19/19 17:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			11/20/19 15:51	1
pH	**7.2**	**HF**	0.1	0.1	SU			12/05/19 11:28	1
Temperature	**20.2**	**HF**	0.001	0.001	Degrees C			12/05/19 11:28	1

Client: New York State D.E.C.
Job ID: 480-162682-1
Project/Site: Mohonk Rd. #356023 - Monthly

Client Sample ID: EFFLUENT
Lab Sample ID: 480-162682-5
Date Collected: 11/13/19 10:00
Matrix: Water
Date Received: 11/14/19 08:00

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			11/15/19 16:45	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			11/15/19 16:45	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			11/15/19 16:45	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			11/15/19 16:45	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			11/15/19 16:45	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			11/15/19 16:45	1
1,4-Dioxane	ND		200	15	ug/L			11/15/19 16:45	1
Acetone	ND		25	2.0	ug/L			11/15/19 16:45	1
Benzene	ND		5.0	0.60	ug/L			11/15/19 16:45	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			11/15/19 16:45	1
Chloroform	ND		5.0	0.54	ug/L			11/15/19 16:45	1
Methylene Chloride	ND		5.0	0.81	ug/L			11/15/19 16:45	1
Toluene	ND		5.0	0.45	ug/L			11/15/19 16:45	1
Trichloroethylene	ND		5.0	0.60	ug/L			11/15/19 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*68 - 130*		*11/15/19 16:45*	*1*
4-Bromofluorobenzene (Surr)	*110*		*76 - 123*		*11/15/19 16:45*	*1*
Toluene-d8 (Surr)	*93*		*77 - 120*		*11/15/19 16:45*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*11/15/19 16:45*	*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		11/16/19 12:10	11/18/19 13:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**387**		10.0	4.0	mg/L			11/19/19 17:20	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	**26.8**		4.0	4.0	mg/L			11/20/19 15:51	1
pH	**7.9**	**HF**	0.1	0.1	SU			12/05/19 11:52	1
Temperature	**20.0**	**HF**	0.001	0.001	Degrees C			12/05/19 11:52	1

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-162682-1
Project/Site: Mohonk Rd. #356023 - Monthly

Client Sample ID: 7R
Lab Sample ID: 480-162682-1
Date Collected: 11/13/19 10:20
Matrix: Water
Date Received: 11/14/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	504649	11/15/19 15:09	S1V	TAL BUF
Total/NA	Prep	200.7			504886	11/16/19 12:10	JLC	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	505204	11/18/19 12:51	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	505496	11/19/19 17:20	CSS	TAL BUF
Total/NA	Analysis	SM 2540D		1	505769	11/20/19 15:51	CSS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	508335	12/05/19 11:13	NLA	TAL BUF

Client Sample ID: ERT-1
Lab Sample ID: 480-162682-2
Date Collected: 11/13/19 10:15
Matrix: Water
Date Received: 11/14/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	504649	11/15/19 15:33	S1V	TAL BUF
Total/NA	Prep	200.7			504886	11/16/19 12:10	JLC	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	505204	11/18/19 12:55	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	505496	11/19/19 17:20	CSS	TAL BUF
Total/NA	Analysis	SM 2540D		1	505769	11/20/19 15:51	CSS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	508335	12/05/19 11:23	NLA	TAL BUF

Client Sample ID: 5R
Lab Sample ID: 480-162682-3
Date Collected: 11/13/19 10:10
Matrix: Water
Date Received: 11/14/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	504649	11/15/19 15:57	S1V	TAL BUF
Total/NA	Prep	200.7			504886	11/16/19 12:10	JLC	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	505204	11/18/19 12:59	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	505496	11/19/19 17:20	CSS	TAL BUF
Total/NA	Analysis	SM 2540D		1	505769	11/20/19 15:51	CSS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	508335	12/05/19 11:25	NLA	TAL BUF

Client Sample ID: COMBINED INFLUENT
Lab Sample ID: 480-162682-4
Date Collected: 11/13/19 10:05
Matrix: Water
Date Received: 11/14/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	504649	11/15/19 16:21	S1V	TAL BUF
Total/NA	Prep	200.7			504886	11/16/19 12:10	JLC	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	505204	11/18/19 13:03	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	505496	11/19/19 17:20	CSS	TAL BUF
Total/NA	Analysis	SM 2540D		1	505769	11/20/19 15:51	CSS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	508335	12/05/19 11:28	NLA	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-162682-1
Project/Site: Mohonk Rd. #356023 - Monthly

Client Sample ID: EFFLUENT
Lab Sample ID: 480-162682-5

Date Collected: 11/13/19 10:00
Matrix: Water
Date Received: 11/14/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	504649	11/15/19 16:45	S1V	TAL BUF
Total/NA	Prep	200.7			504886	11/16/19 12:10	JLC	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	505204	11/18/19 13:07	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	505496	11/19/19 17:20	CSS	TAL BUF
Total/NA	Analysis	SM 2540D		1	505769	11/20/19 15:51	CSS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	508335	12/05/19 11:52	NLA	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-162682-1
Project/Site: Mohonk Rd. #356023 - Monthly

Laboratory: Eurofins TestAmerica, Buffalo

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
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: New York State D.E.C.
Job ID: 480-162682-1
Project/Site: Mohonk Rd. #356023 - Monthly

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

Sample Summary

Client: New York State D.E.C.
Job ID: 480-162682-1
Project/Site: Mohonk Rd. #356023 - Monthly

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-162682-1	7R	Water	11/13/19 10:20	11/14/19 08:00	
480-162682-2	ERT-1	Water	11/13/19 10:15	11/14/19 08:00	
480-162682-3	5R	Water	11/13/19 10:10	11/14/19 08:00	
480-162682-4	COMBINED INFLUENT	Water	11/13/19 10:05	11/14/19 08:00	
480-162682-5	EFFLUENT	Water	11/13/19 10:00	11/14/19 08:00	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-162682-1

Login Number: 162682

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik 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.	N/A	

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

Chain of Custody Record

Albany #224

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480-162682 Chain of Custody

Client Information	Sampler: Andrew Talbot	Lab PM: Stone, Judy L
Client Contact: Andrew Talbot	Phone: 518-885-5383	E-Mail: judy.stone@testamericainc.com
Company: Aztech Technologies Inc		Analysis Re
Address: 5 McCrea Hill Road	Due Date Requested:	
City: Ballston Spa	TAT Requested (days): Standard	
State, Zip: NY, 12020		
Phone:	PO #: CallOut 136396	
Email: atalbot@aztechenv.com	WO #:	
Project Name: Mohonk Rd. #356023	Project #: 48005267	
Site:	SSOW#:	

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	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	SM4500_H+ - pH	624.1_PREC - (MOD) Priority Pollutant List - VOA - 62	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	N	A		
7R	11/13/19	10:20	G	Water	N	N	X	X	X	X	X		
ERT-1		10:15	G	Water	N	N	X	X	X	X	X		
5R		10:10	G	Water	N	N	X	X	X	X	X		
Combined Influent		10:05	G	Water	N	N	X	X	X	X	X		
Effluent		10:00	G	Water	N	N	X	X	X	X	X		

TDC
11-13-19

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		11/13/19 1530	Aztech		11-13-19 1530	EUROFINS TA
2	Tim Knollmeyer	11-13-19 1800	EUROFINS TA		11/14/19 0800	TAS
3						

Custody Seals Intact: ☐ Yes ☐ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: #1 2.6

Ver: 01/16/2019

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ANALYTICAL REPORT

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

Laboratory Job ID: 480-164360-1
Client Project/Site: Mohonk Rd. #356023 - Monthly

For:
New York State D.E.C.
625 Broadway
Division of Environmental Remediation
Albany, New York 12233-7014

Attn: Charles Gregory

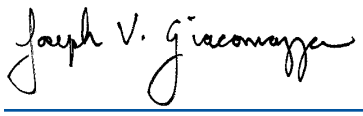
Joseph V. Giacomazza

Authorized for release by:
12/31/2019 7:53:48 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
12/31/2019 7:53:48 PM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-164360-1
Project/Site: Mohonk Rd. #356023 - Monthly

Qualifiers

GC/MS VOA

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

Metals

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

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: 480-164360-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-164360-1

Comments
No additional comments.

Receipt
The samples were received on 12/18/2019 8:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5º C.

GC/MS VOA
Method 624.1: The continuing calibration verification (CCV) associated with batch 480-510501 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: 7R (480-164360-1), ERT-1 (480-164360-2), 5R (480-164360-3), COMBINED INFLUENT (480-164360-4) and EFFLUENT (480-164360-5).

Method 624.1: The continuing calibration verification (CCV) associated with batch 480-510501 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: 7R (480-164360-1), ERT-1 (480-164360-2), 5R (480-164360-3), COMBINED INFLUENT (480-164360-4) and EFFLUENT (480-164360-5).

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

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

General Chemistry
Method 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 (480-164360-1), ERT-1 (480-164360-2), 5R (480-164360-3), COMBINED INFLUENT (480-164360-4) and EFFLUENT (480-164360-5).

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

Client: New York State D.E.C.
Job ID: 480-164360-1
Project/Site: Mohonk Rd. #356023 - Monthly

Client Sample ID: 7R
Lab Sample ID: 480-164360-1
Date Collected: 12/16/19 10:20
Matrix: Water
Date Received: 12/18/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**54**		5.0	0.39	ug/L			12/18/19 15:32	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/18/19 15:32	1
1,1-Dichloroethane	**19**		5.0	0.59	ug/L			12/18/19 15:32	1
1,1-Dichloroethylene	**8.8**		5.0	0.85	ug/L			12/18/19 15:32	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/18/19 15:32	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/18/19 15:32	1
1,4-Dioxane	ND		200	15	ug/L			12/18/19 15:32	1
Acetone	ND		25	2.0	ug/L			12/18/19 15:32	1
Benzene	ND		5.0	0.60	ug/L			12/18/19 15:32	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/18/19 15:32	1
Chloroform	ND		5.0	0.54	ug/L			12/18/19 15:32	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/18/19 15:32	1
Toluene	ND		5.0	0.45	ug/L			12/18/19 15:32	1
Trichloroethylene	**1.2**	**J**	5.0	0.60	ug/L			12/18/19 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*68 - 130*		*12/18/19 15:32*	*1*
4-Bromofluorobenzene (Surr)	*102*		*76 - 123*		*12/18/19 15:32*	*1*
Toluene-d8 (Surr)	*88*		*77 - 120*		*12/18/19 15:32*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*12/18/19 15:32*	*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		12/19/19 09:45	12/20/19 02:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**351**		10.0	4.0	mg/L			12/19/19 14:21	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			12/20/19 15:54	1
pH	**6.8**	**HF**	0.1	0.1	SU			12/19/19 11:51	1
Temperature	**18.5**	**HF**	0.001	0.001	Degrees C			12/19/19 11:51	1

Client Sample ID: ERT-1
Lab Sample ID: 480-164360-2
Date Collected: 12/16/19 10:15
Matrix: Water
Date Received: 12/18/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**64**		5.0	0.39	ug/L			12/18/19 15:56	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/18/19 15:56	1
1,1-Dichloroethane	**8.7**		5.0	0.59	ug/L			12/18/19 15:56	1
1,1-Dichloroethylene	**21**		5.0	0.85	ug/L			12/18/19 15:56	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/18/19 15:56	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/18/19 15:56	1
1,4-Dioxane	ND		200	15	ug/L			12/18/19 15:56	1
Acetone	ND		25	2.0	ug/L			12/18/19 15:56	1
Benzene	ND		5.0	0.60	ug/L			12/18/19 15:56	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/18/19 15:56	1
Chloroform	ND		5.0	0.54	ug/L			12/18/19 15:56	1

Client: New York State D.E.C.
Job ID: 480-164360-1
Project/Site: Mohonk Rd. #356023 - Monthly

Client Sample ID: ERT-1
Lab Sample ID: 480-164360-2
Date Collected: 12/16/19 10:15
Matrix: Water
Date Received: 12/18/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		5.0	0.81	ug/L			12/18/19 15:56	1
Toluene	ND		5.0	0.45	ug/L			12/18/19 15:56	1
Trichloroethylene	**5.7**		5.0	0.60	ug/L			12/18/19 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*68 - 130*		*12/18/19 15:56*	*1*
4-Bromofluorobenzene (Surr)	*103*		*76 - 123*		*12/18/19 15:56*	*1*
Toluene-d8 (Surr)	*89*		*77 - 120*		*12/18/19 15:56*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*12/18/19 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		12/19/19 09:45	12/20/19 02:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**36.0**		10.0	4.0	mg/L			12/19/19 14:21	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			12/20/19 15:54	1
pH	**6.8**	**HF**	0.1	0.1	SU			12/19/19 11:46	1
Temperature	**17.6**	**HF**	0.001	0.001	Degrees C			12/19/19 11:46	1

Client Sample ID: 5R
Lab Sample ID: 480-164360-3
Date Collected: 12/16/19 10:10
Matrix: Water
Date Received: 12/18/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**24**		5.0	0.39	ug/L			12/18/19 16:20	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/18/19 16:20	1
1,1-Dichloroethane	**1.4**	**J**	5.0	0.59	ug/L			12/18/19 16:20	1
1,1-Dichloroethylene	**6.0**		5.0	0.85	ug/L			12/18/19 16:20	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/18/19 16:20	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/18/19 16:20	1
1,4-Dioxane	ND		200	15	ug/L			12/18/19 16:20	1
Acetone	ND		25	2.0	ug/L			12/18/19 16:20	1
Benzene	ND		5.0	0.60	ug/L			12/18/19 16:20	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/18/19 16:20	1
Chloroform	ND		5.0	0.54	ug/L			12/18/19 16:20	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/18/19 16:20	1
Toluene	ND		5.0	0.45	ug/L			12/18/19 16:20	1
Trichloroethylene	**2.7**	**J**	5.0	0.60	ug/L			12/18/19 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*68 - 130*		*12/18/19 16:20*	*1*
4-Bromofluorobenzene (Surr)	*103*		*76 - 123*		*12/18/19 16:20*	*1*
Toluene-d8 (Surr)	*90*		*77 - 120*		*12/18/19 16:20*	*1*
Dibromofluoromethane (Surr)	*97*		*75 - 123*		*12/18/19 16:20*	*1*

Client: New York State D.E.C.
Job ID: 480-164360-1
Project/Site: Mohonk Rd. #356023 - Monthly

Client Sample ID: 5R
Lab Sample ID: 480-164360-3
Date Collected: 12/16/19 10:10
Matrix: Water
Date Received: 12/18/19 08:00

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.026**	**J**	0.050	0.019	mg/L		12/19/19 09:45	12/20/19 02:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**94.0**		10.0	4.0	mg/L			12/19/19 14:21	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			12/20/19 15:54	1
pH	**6.9**	**HF**	0.1	0.1	SU			12/19/19 11:55	1
Temperature	**19.2**	**HF**	0.001	0.001	Degrees C			12/19/19 11:55	1

Client Sample ID: COMBINED INFLUENT
Lab Sample ID: 480-164360-4
Date Collected: 12/16/19 10:05
Matrix: Water
Date Received: 12/18/19 08:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**47**		5.0	0.39	ug/L			12/18/19 16:44	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/18/19 16:44	1
1,1-Dichloroethane	**9.7**		5.0	0.59	ug/L			12/18/19 16:44	1
1,1-Dichloroethylene	**11**		5.0	0.85	ug/L			12/18/19 16:44	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/18/19 16:44	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/18/19 16:44	1
1,4-Dioxane	ND		200	15	ug/L			12/18/19 16:44	1
Acetone	ND		25	2.0	ug/L			12/18/19 16:44	1
Benzene	ND		5.0	0.60	ug/L			12/18/19 16:44	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/18/19 16:44	1
Chloroform	ND		5.0	0.54	ug/L			12/18/19 16:44	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/18/19 16:44	1
Toluene	ND		5.0	0.45	ug/L			12/18/19 16:44	1
Trichloroethylene	**3.5**	**J**	5.0	0.60	ug/L			12/18/19 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*68 - 130*		*12/18/19 16:44*	*1*
4-Bromofluorobenzene (Surr)	*104*		*76 - 123*		*12/18/19 16:44*	*1*
Toluene-d8 (Surr)	*91*		*77 - 120*		*12/18/19 16:44*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*12/18/19 16:44*	*1*

Method: 200.7 Rev 4.4 - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	**0.046**	**J**	0.050	0.019	mg/L		12/19/19 09:45	12/20/19 02:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**601**		10.0	4.0	mg/L			12/19/19 14:21	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			12/20/19 15:54	1
pH	**6.9**	**HF**	0.1	0.1	SU			12/19/19 11:58	1
Temperature	**18.8**	**HF**	0.001	0.001	Degrees C			12/19/19 11:58	1

Client: New York State D.E.C.
Job ID: 480-164360-1
Project/Site: Mohonk Rd. #356023 - Monthly

Client Sample ID: EFFLUENT
Lab Sample ID: 480-164360-5

Date Collected: 12/16/19 10:00
Matrix: Water
Date Received: 12/18/19 08:00

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			12/18/19 17:07	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			12/18/19 17:07	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			12/18/19 17:07	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			12/18/19 17:07	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			12/18/19 17:07	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			12/18/19 17:07	1
1,4-Dioxane	ND		200	15	ug/L			12/18/19 17:07	1
Acetone	ND		25	2.0	ug/L			12/18/19 17:07	1
Benzene	ND		5.0	0.60	ug/L			12/18/19 17:07	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			12/18/19 17:07	1
Chloroform	ND		5.0	0.54	ug/L			12/18/19 17:07	1
Methylene Chloride	ND		5.0	0.81	ug/L			12/18/19 17:07	1
Toluene	ND		5.0	0.45	ug/L			12/18/19 17:07	1
Trichloroethylene	ND		5.0	0.60	ug/L			12/18/19 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*68 - 130*		*12/18/19 17:07*	*1*
4-Bromofluorobenzene (Surr)	*99*		*76 - 123*		*12/18/19 17:07*	*1*
Toluene-d8 (Surr)	*88*		*77 - 120*		*12/18/19 17:07*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*12/18/19 17:07*	*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		12/19/19 09:45	12/20/19 02:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**372**		10.0	4.0	mg/L			12/19/19 14:21	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	**4.0**		4.0	4.0	mg/L			12/20/19 15:54	1
pH	**8.0**	**HF**	0.1	0.1	SU			12/19/19 12:00	1
Temperature	**18.4**	**HF**	0.001	0.001	Degrees C			12/19/19 12:00	1

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-164360-1
Project/Site: Mohonk Rd. #356023 - Monthly

Client Sample ID: 7R
Lab Sample ID: 480-164360-1
Date Collected: 12/16/19 10:20
Matrix: Water
Date Received: 12/18/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	510501	12/18/19 15:32	S1V	TAL BUF
Total/NA	Prep	200.7			510684	12/19/19 09:45	JLC	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	511005	12/20/19 02:07	EMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	510893	12/19/19 14:21	CSS	TAL BUF
Total/NA	Analysis	SM 2540D		1	511195	12/20/19 15:54	CSS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	510850	12/19/19 11:51	NLA	TAL BUF

Client Sample ID: ERT-1
Lab Sample ID: 480-164360-2
Date Collected: 12/16/19 10:15
Matrix: Water
Date Received: 12/18/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	510501	12/18/19 15:56	S1V	TAL BUF
Total/NA	Prep	200.7			510684	12/19/19 09:45	JLC	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	511005	12/20/19 02:11	EMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	510893	12/19/19 14:21	CSS	TAL BUF
Total/NA	Analysis	SM 2540D		1	511195	12/20/19 15:54	CSS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	510850	12/19/19 11:46	NLA	TAL BUF

Client Sample ID: 5R
Lab Sample ID: 480-164360-3
Date Collected: 12/16/19 10:10
Matrix: Water
Date Received: 12/18/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	510501	12/18/19 16:20	S1V	TAL BUF
Total/NA	Prep	200.7			510684	12/19/19 09:45	JLC	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	511005	12/20/19 02:15	EMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	510893	12/19/19 14:21	CSS	TAL BUF
Total/NA	Analysis	SM 2540D		1	511195	12/20/19 15:54	CSS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	510850	12/19/19 11:55	NLA	TAL BUF

Client Sample ID: COMBINED INFLUENT
Lab Sample ID: 480-164360-4
Date Collected: 12/16/19 10:05
Matrix: Water
Date Received: 12/18/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	510501	12/18/19 16:44	S1V	TAL BUF
Total/NA	Prep	200.7			510684	12/19/19 09:45	JLC	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	511005	12/20/19 02:33	EMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	510893	12/19/19 14:21	CSS	TAL BUF
Total/NA	Analysis	SM 2540D		1	511195	12/20/19 15:54	CSS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	510850	12/19/19 11:58	NLA	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-164360-1
Project/Site: Mohonk Rd. #356023 - Monthly

Client Sample ID: EFFLUENT
Lab Sample ID: 480-164360-5
Date Collected: 12/16/19 10:00
Matrix: Water
Date Received: 12/18/19 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	624.1		1	510501	12/18/19 17:07	S1V	TAL BUF
Total/NA	Prep	200.7			510684	12/19/19 09:45	JLC	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	511005	12/20/19 02:37	EMB	TAL BUF
Total/NA	Analysis	SM 2540C		1	510893	12/19/19 14:21	CSS	TAL BUF
Total/NA	Analysis	SM 2540D		1	511195	12/20/19 15:54	CSS	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	510850	12/19/19 12:00	NLA	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-164360-1
Project/Site: Mohonk Rd. #356023 - Monthly

Laboratory: Eurofins TestAmerica, Buffalo

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
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: New York State D.E.C.
Job ID: 480-164360-1
Project/Site: Mohonk Rd. #356023 - Monthly

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

Sample Summary

Client: New York State D.E.C.
Job ID: 480-164360-1
Project/Site: Mohonk Rd. #356023 - Monthly

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-164360-1	7R	Water	12/16/19 10:20	12/18/19 08:00	
480-164360-2	ERT-1	Water	12/16/19 10:15	12/18/19 08:00	
480-164360-3	5R	Water	12/16/19 10:10	12/18/19 08:00	
480-164360-4	COMBINED INFLUENT	Water	12/16/19 10:05	12/18/19 08:00	
480-164360-5	EFFLUENT	Water	12/16/19 10:00	12/18/19 08:00	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-164360-1

Login Number: 164360

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

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.	True	
Chlorine Residual checked.	N/A	

ıins TestAmerica, Buffalo
.ıazelwood Drive
mherst, NY 14228-2298
hone: 716-691-2600 Fax: 716-691-7991

Albany #224

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Andrew Talbot + Gaaron McClain	Lab PM: Stone, Judy L	Carrier Tracking No(s):	COC No: 480-123834-15807.1
lient Contact: ,ndrew Talbot	Phone: 518-885-5383	E-Mail: judy.stone@testamericainc.com		Page: Page 1 of 1
ompany: ,ztech Technologies Inc				Job #:
ddress: McCrea Hill Road	Due Date Requested:			
ity: Ballston Spa	TAT Requested (days): Standard			
tate, Zip: NY, 12020	PO #: CallOut 136396			
Phone: 518-885-5383	WO #:			
Email: atalbot@aztechenv.com	Project #: 48005267			
Project Name: Mohonk Rd. #356023	SSOW#:			
Site:				

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	2540D - Total Suspended Solids	2540C_Calcd - Total Dissolved Solids	SM4500_H+ - pH	624.1_PREC - (MOD) Priority Pollutant List - VOA - 62	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	N	N	N	A		
7[illegible]	12/16/19	10:20	G	Water	N	N	X	X	X	X	X		
EB-1-1		10:15	G	Water	N	N	X	X	X	X	X		
5[illegible]		10:10	G	Water	N	N	X	X	X	X	X		
Combined Influent		10:05	G	Water	N	N	X	X	X	X	X		
Effluent		10:00	G	Water	N	N	X	X	X	X	X		
KZ	12/17/19												

480-164360 Chain of Custody

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: 12/16/19 15:30	Company: Aztech	Received by: Karl Zoeller	Date/Time: 12/17/19 0650	Company: Eurofins
Relinquished by: Karl Zoeller	Date/Time: 12/17/19 1700	Company: Eurofins	Received by: [illegible]	Date/Time: 12/18/19 0800	Company: TAB
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: #1 2.5

Ver: 01/16/2019