

## Aztech Environmental

TECHNOLOGIES

5 McCrea Hill Road • Ballston Spa, New York 12020

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

December 31, 2018

Re: First and Second Quarter, 2018 O&M Status Report at Mohonk Road Industrial Site

Site Number: 356023

Mr. Gregory,

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

## January 2, 2018

Aztech personnel mobilized to the site to perform maintenance and collect routine system samples. The system was running upon arrival. Technicians noted that the sample ports for wells ERT-1, 5R, and 7R were frozen and required thawing in order to sample the system. In response, additional weather stripping was installed on the door adjacent to the sampling ports in an effort to better insulate the unheated portion of the remediation building. 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. Samples were later sent to Test America for VOC analysis via method 624. After collecting the samples the system was shut down to exercise the flow valves and clean the flow meters. The system was subsequently restarted and was running upon departure from the site. The analytical results of the system samples are summarized in the table below.

Analytical Results – January 2, 2018  Concentrations in µg/L					
Sample	1,1-DCA 1,1-DCE 1,1,1-TCA TCE				
7R	13	9.1	29	1.2	
ERT-1	8.7	20	38	5.9	
5R	2.5	9.5	25	4.6	
Combined Influent	8.3	14	32	3.9	
Effluent	ND	ND	ND	ND	
Notes:	ND = Non-Detect				

### January 15, 2018

Aztech personnel mobilized to the site to perform maintenance and record system readings. The system was running upon arrival. It was discovered that the pressure transducer for the air stripper was reporting erroneous data and that a new pressure transducer would need to be installed during the next O&M mobilization. Technicians noted a strong mouse urine odor in a large bag of legacy sampling bottles. In response the bottles were disposed of in an offsite recycling bin. The system was shut down to exercise valves and clean the flow meters. The system was subsequently restarted and was running upon departure from the site.

#### **February 9, 2018**

Aztech personnel mobilized to the site to perform maintenance and collect routine system samples. The system was running upon arrival. A new pressure transducer for the air stripper was installed and tested. Leftover purge water from the previous far-field plume sampling event was pumped into the influent batch tank for treatment via the air stripper. Several nearly-empty drums of Redux 390 were consolidated into a single drum for future use. 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. Samples were later sent to Test America for VOC analysis via method 624. After collecting the samples the system was shut down to exercise the flow valves and clean the flow meters. The new air stripper pressure transducer was installed and tested. The system was subsequently restarted and was running upon departure from the site. The analytical results of the system samples are summarized in the table below.

Analytical Results – February 9, 2018  Concentrations in µg/L						
Sample	imple 1,1-DCA 1,1-DCE 1,1,1-TCA TCE					
7R	15	9.9	40	1.3		
ERT-1	8.4	18	42	5.1		
5R	2.5	9.9	31	4.4		
Combined Influent	8.9	13	38	3.6		
Effluent	ND	ND	ND	ND		
Notes:	ND = Non-Detect					

### February 23, 2018

Aztech personnel mobilized to the site to perform maintenance and record system readings. The system was running upon arrival. During this mobilization four drums of Redux 390 were received and stored in the chemical room for future use. 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.

### March 9, 2018

Aztech personnel mobilized to the site to perform maintenance and collect routine system samples. The system was down upon arrival. The breakers for the transfer and discharge pumps were reset and the system restarted.

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. Samples were later sent to Test America for VOC analysis via method 624. Additional samples outside of the monthly

sampling scope were requested by NYSDEC to be collected and analyzed via method 624 in an effort to help identify the source of frequent detections of acetone (with a "J" qualifier and below the SPDES-equivalent requirements for discharge water) in the monthly effluent samples. A total of three sampling locations were chosen for this test. Samples were collected directly from the influent batch treatment tank, directly downstream of the bag filter housings, and directly from the effluent pump drain port. The routine effluent sample reported 3.3(J) ug/L of acetone, but all of the additional samples reported "ND" for acetone. Further testing may be required to determine the source of acetone in the effluent.

After collecting the samples the system was shut down to exercise the flow valves and clean the flow meters. The system was subsequently restarted and was running upon departure from the site. The analytical results of the system samples are summarized in the table below.

Analytical Results – March 9, 2018  Concentrations in µg/L						
Sample	Sample 1,1-DCA 1,1-DCE 1,1,1-TCA TCE					
7R	15	8.7	41	1.3		
ERT-1	25	42	190	12		
5R	1.6	7.6	45	2.9		
Combined Influent	15	20	92	6.0		
Effluent	ND	ND	0.4	ND		
Notes:	ND = Non-Detect					

## March 22, 2018

Aztech personnel mobilized to the site to perform maintenance and record system readings. The system was running upon arrival. 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.

## April 2, 2018

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. Samples were later sent to Test America for VOC analysis via method 624. After collecting the samples the system was shut down to exercise the flow valves and clean the flow meters. The system was subsequently restarted and was running upon departure from the site. The analytical results of the system samples are summarized in the table below.

	Analytical Results – April 2, 2018  Concentrations in µg/L					
Sample	le 1,1-DCA 1,1-DCE 1,1,1-TCA TCE					
7R	23	23 10 62 1.8				
ERT-1	10	10 21 60 6.6				
5R	2.7	2.7 11 36 4.2				
Combined Influent	12 15 56 4.5					
Effluent	ND	ND	ND	ND		
Notes:	ND = Non-Detect					

### April 16, 2018

Aztech personnel mobilized to the site to perform maintenance and record system readings. The system was running upon arrival. 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.

### May 3, 2018

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

	Analytical Results – May 3, 2018 Concentrations in µg/L					
Sample	1,1-DCA	1,1-DCA 1,1-DCE 1,1,1-TCA TCE				
7R	24	24 11 68 2				
ERT-1	11	25	78	7.7		
5R	1.9	8.3	32	3.3		
Combined Influent	12	15	61	4.5		
Effluent	ND	ND	ND	ND		
Notes:	ND = Non-Detect					

### May 16, 2018

Aztech personnel mobilized to the site to perform maintenance and record system readings. The system was running upon arrival. During this mobilization, five drums of Redux 390 were received and stored in the chemical room for future use. 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.

### June 8, 2018

Aztech personnel mobilized to the site to perform maintenance and collect routine system samples. The system was running upon arrival. Routine grounds maintenance was conducted. 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. Samples were later sent to Test America for VOC analysis via method 624. After collecting the samples the system was shut down to exercise the flow valves and clean the flow meters. The system was subsequently restarted and was running upon departure from the site. The analytical results of the system samples are summarized in the table on the following page.

	Analytical Results – June 8, 2018 Concentrations in µg/L					
Sample	1,1-DCA	1,1-DCA 1,1-DCE 1,1,1-TCA TCE				
7R	27	27 11 70 1.3				
ERT-1	11	23	71	7.1		
5R	1.8	1.8 6.7 19 3.7				
Combined Influent	13	13	51	4.0		
Effluent	ND	ND	ND	ND		
Notes:	ND = Non-Detect					

### June 21, 2018

Aztech personnel mobilized to the site to perform maintenance and record system readings. The system was running upon arrival. Routine grounds maintenance was conducted. 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. The injection system was constructed by reutilizing legacy chemical metering equipment. The metering pump was calibrated to the chemical manufacturer's recommended dosage of 75ppm of Redux 390 for an influent flow rate of 27gpm. The manufacturer's recommended injection rate for chemical additives is often higher than necessary. However, Redux 390 will also help descale legacy piping where existing scaling is present. For this reason, Aztech recommends running the system at the recommended dosage for a period of at least 1 year. Following the minimum 1 year period, Aztech recommends slowly adjusting the dosage to more efficiently meet the needs of the system as to minimize chemical consumption and overall cost of operation.
  - o Redux Metering Pump: Before the ideal dosage rate can be determined, the accuracy of the metering pump dosage settings will need to be investigated further. During the Quarter 1 & 2 reporting period, approximately six (6) 55-gallon drums of Redux were consumed. This is an average of approximately 1 drum per month, which is greater than the estimated rate of 1 drum per 1.5 months. The chemical metering pump in service is a legacy unit from the sulfuric acid injection system previously utilized at the site. Aztech recommends that a dosage metering calibration system, consisting of several ball valves, tubing, a graduated cylinder and a stopwatch be installed. This will allow the metering pump to be tested periodically by technicians in order to determine whether or not the dosage delivered to the treatment system is consistent with the metering pump settings. Once this determination is made, the proper dosage required to eliminate further scaling within treatment system components can be determined over time. If tests show that the metering pump is delivering inconsistent doses to the treatment system, Aztech recommends that the metering pump be replaced with a new unit.

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

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

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

Sincerely,

**Aztech Environmental Technologies** 

Andrew Talbot

answer Fales

**Project Engineer** 

### Attachments:

- Field Log Sheets
- Laboratory Analytical Reports

Date: 1218 Personnel Onsite Initials:

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	8.3	6997659
(W7RFLO)	8	8206537
(W5RFLO)	700	3998668

Location/ Input name	Pressure (Procontrol)
Transfer Pump	11 1
(PREBAG)	4.7
Air Stripper	112
(AS_PRS)	61,2
Discharge Pump	242
(DSCPRS)	<9.2

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

Input Name	Water Level (Procontrol)
W5RLVL	8984
W7RLVL	9164
ER1LVL	8661

Location	Temp (Procontrol)
Room	Comment
(RM_TMP)	5 1
Air Stripper	
(AS_TMP)	60
Discharge Pump	A21500 to
(H2OTMP)	50

Location	рН
Effluent (EFF_PH)	7.8
Effluent (Measured)	7.5

Redux remaining	4
(in. from bottom)	128

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:	Sample	South	Semple 1	ports	from.	Al Con
thow o	w to	Sengle. J	Aut West	the girent	Bottom	of Door
next	to well	3. /C/	herrical pry	pm	work in	7')

Date:	1	1515	Personnel Onsite Initials:	CA	L C-
	1 1	,		L	

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	8,5	7145244
(W7RFLO)	8,3	8356251
(W5RFLO)	8.1	4126178

Location/ Input	Pressure
name	(Procontrol)
Transfer Pump	
(PREBAG)	4,3
Air Stripper	
(AS_PRS)	80.18
Discharge Pump	
(DSCPRS)	23

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

Input Name	Water Level (Procontrol)
W5RLVL	87.12
W7RLVL	89.69
ER1LVL	84.74

Location	Temp (Procontrol)
Room	
(RM_TMP)	) ()
Air Stripper	
(AS_TMP)	60
Discharge Pump	, and
(H2OTMP)	5 /

Location	рН
Effluent (EFF_PH)	8
Effluent (Measured)	8

Redux remaining	2007
(in. from bottom)	1-411

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: C'HANKED DAMMS OF REDMY, CHACK S'4512mg.
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Date: 2/9/18 Personnel Onsite Initials: CALG

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	9,0	7464529
(W7RFLO)	8.8	8660160
(W5RFLO)	817	4432782

Water Level (Procontrol)
81,29
83.8
78.72

Location/ Input name	Pressure (Procontrol)
Transfer Pump	
(PREBAG)	4.2
Air Stripper	0 . 1
(AS_PRS)	32,9
Discharge Pump	1
(DSCPRS)	23

Location	Temp (Procontrol)
Room	
(RM_TMP)	38
Air Stripper	_
(AS_TMP)	£ 2
Discharge Pump	
(H2OTMP)	47

Exterior of building checked and grounds maintained (weedwack, etc)	(Ý)N
pH Probe calibrated due to discrepency	Y/(N)
Clean influent flow meters	Y/N
Exercise flow valves	(Y/N
Duplicate Sample ID	Page 1 and 1

Location	рН
Effluent (EFF_PH)	8
Effluent (Measured)	8

Redux remaining	3
	1/2
(in. from bottom)	12

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: CHANGED PRESS. SPINSON ON ABOUT GOOD NOW

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P.S. VSEN BRILLES CHT. CHECKEN ALL FORMS (SSENS) ON BURNING

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(IL) PALLETS NEED TO BE REMOVED ON PERT UISTT. TROSFINAL

ALL SAMPLEN WATER FOR BALLERS FOR SGSTEM.

Date: 2 23 18

Personnel Onsite Initials: CH MI)

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	9,5	7650766
(W7RFLO)	9.3	8841602
(W5RFLO)	9,5	4614200

Input Name	Water Level (Procontrol)
W5RLVL	75.25
W7RLVL	78,96
ER1LVL	72.75

Location/ Input name	Pressure (Procontrol)
Transfer Pump	
(PREBAG)	И
Air Stripper	22.0
(AS_PRS)	52.3
Discharge Pump	7-10
(DSCPRS)	23.9

Location	Temp (Procontrol)
Room	
(RM_TMP)	59,3
Air Stripper	- 1
(AS_TMP)	70.6
Discharge Pump	,,
(H2OTMP)	51

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

Location	pН
Effluent (EFF_PH)	8,3
Effluent (Measured)	7,9

Redux remaining	
(in. from bottom)	1"

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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

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	<u></u>				

Date: 3/9/18 Personnel Onsite Initials: 26. 7.5.

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	11.35	7780452
(W7RFLO)	11.30	8966943
(W5RFLO)	11.69	4742192

Input Name	Water Level (Procontrol)
W5RLVL	52.33
W7RLVL	53.53
ER1LVL	48.52

Location/ Input	Pressure
name	(Procontrol)
Transfer Pump	4.2
(PREBAG)	7,0
Air Stripper	71 011
(AS_PRS)	31.04
Discharge Pump	24.2
(DSCPRS)	27.0

Location	Temp (Procontrol)
Room	101
(RM_TMP)	62.1
Air Stripper	1111
(AS_TMP)	74.5
Discharge Pump	111.01
(H2OTMP)	48,8

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

Location	рН	
Effluent (EFF_PH)	7.79	
Effluent (Measured)	7.5	

Redux remaining	- 11
(in. from bottom)	22

Notes:	Syst	-Don	on a	mal	Resi	A
Bruken	for T	renfor 2 Sich	+ Dusc	-pmp	Shabel	Syste
	Script	& Syst	2	, ,		/
	,	/				

Date: 3/22

Personnel Onsite Initials:

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	9.0	7,972.344
(W7RFLO)	9.1	9.156777
(W5RFLO)	8.9	4.936744

Input Name	Water Level (Procontrol)
W5RLVL	-67.30
W7RLVL	-70.75
ER1LVL	-63.0

Location/ Input name	Pressure (Procontrol)
Transfer Pump (PREBAG)	4.2
Air Stripper (AS_PRS)	31.53
Discharge Pump (DSCPRS)	24.5

Location	Temp (Procontrol)
Room	1-12
(RM_TMP)	56./
Air Stripper	220
(AS_TMP)	/2.8
Discharge Pump	(0)
(H2OTMP)	50.0

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

Location	рН
Effluent (EFF_PH)	8.15
Effluent (Measured)	7.5

Redux remaining	11/2
(in. from bottom)	13

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

Notes:	on arrival all 3	wells Running @ 106 Pmg
clear	I flow mater sot well	Wells Running @ 126 Pmg  P @ 96 pm. water in  GAL. Stouty Slowly going
of Angle	It tank was up to 1400	GAL. Story Slowly going
Dom	,	
	( 3 full Drum of 1	Beclux Left ]
	·	

Date:

Personnel Onsite Initials: ムガーブS

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	8.9	8113911
(W7RFLO)	8.8	9299571
(W5RFLO)	9.0	5078277

Input Name	Water Level (Procontrol)
W5RLVL	70,06
W7RLVL	73.06
ER1LVL	65.54

Location/ Input	Pressure
name	(Procontrol)
Transfer Pump	2 6
(PREBAG)	3.9
Air Stripper	23
(AS_PRS)	32.20
Discharge Pump	9.1
(DSCPRS)	29

Location	Temp (Procontrol)
Room	-03
(RM_TMP)	59.2
Air Stripper	113
(AS_TMP)	66.3
Discharge Pump	5/C e
(H2OTMP)	19.7

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

Location	рН
Effluent (EFF_PH)	8.2
Effluent (Measured)	7.5

Redux remaining	20
(in. from bottom)	3 Duns

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:	Syste Runne	on arrival	Rocker chem Enths.	
Hook up	new one prin	sel purp ; Sam	olal System	
Brush	flow meters	1 Bog of the	Rechar chem Entry	
	V			

Date: 4/10

Personnel Onsite Initials:



Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	9.0	9.0
(W7RFLO)	8.90	8.8
(W5RFLO)	9.0	9.6

Location/ Input	Pressure
name	(Procontrol)
Transfer Pump	1100
(PREBAG)	9.0
Air Stripper	ワノース
(AS_PRS)	31.50
Discharge Pump	/1 5
(DSCPRS)	4.0

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

Input Name	Water Level (Procontrol)
W5RLVL	69.66
W7RLVL	72.80
ER1LVL	65.59

Location	Temp (Procontrol)
Room	, , 0
(RM_TMP)	66
Air Stripper	100
( <u>A</u> S_TMP)	69.1
Discharge Pump	7.0
(H2OTMP)	5 <i>0.</i> .

Location	рН
Effluent (EFF_PH)	8.27
Effluent (Measured)	8.0

Daduu ramainina	
nedux remaining	130119
(in. from bottom)	2 Sell Droms

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 anivel	
	System running on arrivel take Readings	
·	Brush Slawneta	
	Brush Stanneton Fern Sypton book on	
		•

5318 Personnel Onsite Initials: CAJM

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	9.2	8514100
(W7RFLO)	9.2	9693481
(W5RFLO)	9.6	5481576

Input Name	Water Level (Procontrol)
W5RLVL	64.6
W7RLVL	67.2
ER1LVL	60.9

Location/ Input	Pressure
name	(Procontrol)
Transfer Pump	
(PREBAG)	4.1
Air Stripper	
(AS_PRS)	29.6
Discharge Pump	
(DSCPRS)	23.5

Location	Temp (Procontrol)
Room	
(RM_TMP)	70
Air Stripper	0 0
(AS_TMP)	77.6
Discharge Pump	
(H2OTMP)	52

Exterior of building checked and grounds maintained (weedwack, etc)	(Ý)/ N
pH Probe calibrated due to discrepency	YD
Clean influent flow meters	(¥/1 N
Exercise flow valves	Ø/N
Duplicate Sample ID	$\sim$

Location	pН
Effluent (EFF_PH)	8,16
Effluent (Measured)	7.9

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: DED FLOW TEST ON CHEM PUMP AFTER CLEARING	<u>_</u> _
ALL CHECK VALVES, SAMPLE SGSTEM	_
BCHEM Pama Is Pampine 12 L Pen Hour	
	_
	_
	_

Date: 5 / 16/18 Personnel Onsite Initials: CALG

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	<u>ዋ,</u> ን	9.3
(W7RFLO)	9.2	9.2
(W5RFLO)	9.5	9,4

Location/ Input	Pressure
name	(Procontrol)
Transfer Pump	
(PREBAG)	3.7
Air Stripper	7
(AS_PRS)	30.71
Discharge Pump	1
(DSCPRS)	24

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

Input Name	Water Level (Procontrol)
W5RLVL	6509
W7RLVL	68.15
ER1LVL	61,29

Location	Temp (Procontrol)
Room	, , , , , ,
(RM_TMP)	62.5
Air Stripper	<u></u>
(AS_TMP)	80.9
Discharge Pump	
(H2OTMP)	52

Location	рН
Effluent (EFF_PH)	8,1
Effluent (Measured)	ر'ر'

Redux remaining (in. from bottom)	From OLD Drum
	FALL

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: Tri	INSFERMAN	RUDAX 1	enem o	LA BANKE	- And R	Lighter	BANNIC
	AS J ~ 45E						
				****			
				·		·	
			<u>.</u>				

Personnel Onsite Initials:

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	9.0	8942894
(W7RFLO)	9.1	10117939
(W5RFLO)	9.2	5916307

Input Name	Water Level (Procontrol)
W5RLVL	-67.50
W7RLVL	-18.66
ER1LVL	-63.05

Location/ Input	Pressure
name	(Procontrol)
Transfer Pump	- 0/
(PREBAG)	3.8
Air Stripper	20
(AS_PRS)	29.03
Discharge Pump	7
(DSCPRS)	24.7

Locati	on	Temp (Procontrol)
Roon	n	111
(RM_TI	MP)	64.0
Air Strip	per	PH 1
(AS_TN	ΛP)	86.0
Discharge	Pump	801 5
(H2OTI	ИP)	50.1

Exterior of building checked and grounds maintained (weedwack, etc)	<b>€</b> /N
pH Probe calibrated due to discrepency	YVRT
Clean influent flow meters	<i>A)</i> / N
Exercise flow valves	Ø/N
Duplicate Sample ID	

Location	рН
Effluent (EFF_PH)	7.82
Effluent (Measured)	Filmony

Redux remaining	Board	wew
(in. from bottom)		rom

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 conday as ascival
-collect system reallings and samples
- clean flay moters
- reduce Redus with a rendrum
- rear up roffice
- west wheele

Date: 6/2/18 Personnel Onsite Initials: AT + KA

Input Name	Flow Rates (On Meter)	Totalizer (Procontrol)
(ER1FLO)	8.2	9/01996
(W7RFLO)	8.7	10275699
(W5RFLO)	8,1	6075280

Input Name	Water Level (Procontrol)
W5RLVL	-79.55
W7RLVL	-79.80
ER1LVL	-74.47

Location/ Input	Pressure
name	(Procontrol)
Transfer Pump	3 8
(PREBAG)	0,0
Air Stripper	Es 27.66
(AS_PRS)	W 21.66
Discharge Pump	24.2
(DSCPRS)	4. )

Location	Temp (Procontrol)
Room	68.3
(RM_TMP)	0017
Air Stripper	9/9
(AS_TMP)	1 ' ' /
Discharge Pump	50 4
(H2OTMP)	0 < , 9

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

Location	рН
Effluent (EFF_PH)	7,92
Effluent (Measured)	_

Redux remaining (in. from bottom)	1/2 :
(in. from bottom)	1910

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.	Perform	voutine	545tem	maintenue
Slight	bio buildu	p on stripp	er glass,	calcium o	and iron i	present a	5 ne//.
Wree W	backed. Su	ept floors.	Removed	garbage,	By next	L visit	there
will be	e (2) Rodu	x drums fo	r disposal	ON ON	supplies	. Systen	, running
on Jex	,	2					



THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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

TestAmerica Job ID: 480-129652-1

Client Project/Site: Mohonk Rd. #356023

#### For:

New York State D.E.C. 625 Broadway 12th Floor Albany, New York 12233-7017

Attn: Carl Hoffman



Authorized for release by: 1/16/2018 11:00:41 AM
Joe Giacomazza, Project Management Assistant II joe.giacomazza@testamericainc.com

Designee for

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

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**Have a Question?** 



Visit us at: www.testamericainc.com

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

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

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

\_\_\_\_\_

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.

Joseph V. gireomogen

Joe Giacomazza

Project Management Assistant II

1/16/2018 11:00:41 AM

Page 2 of 17

1/16/2018

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

TestAmerica Job ID: 480-129652-1

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## **Definitions/Glossary**

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

TestAmerica Job ID: 480-129652-1

## **Qualifiers**

### **GC/MS VOA**

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

### **General Chemistry**

B Compound was found in the blank and sample.

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 and a the UDU selection to decimate that the account is accounted as a decimal inter-

Eisted 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)

4

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6

46

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## **Case Narrative**

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

TestAmerica Job ID: 480-129652-1

Job ID: 480-129652-1

**Laboratory: TestAmerica Buffalo** 

**Narrative** 

Job Narrative 480-129652-1

#### **Comments**

No additional comments.

#### Receipt

The samples were received on 1/4/2018 10:05 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.4° C.

#### **GC/MS VOA**

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

#### Metals

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

#### **General Chemistry**

Method(s) 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: 7R (480-129652-1), ERT-1 (480-129652-2), 5R (480-129652-3), COMBINED INFLUENT (480-129652-4) and EFFLUENT (480-129652-5).

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

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Client: New York State D.E.C. Project/Site: Mohonk Rd. #356023 TestAmerica Job ID: 480-129652-1

Client Sample ID: 7R Date Collected: 01/02/18 10:00

Date Received: 01/04/18 10:05

Lab Sample ID: 480-129652-1

**Matrix: Water** 

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			01/04/18 17:29	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			01/04/18 17:29	1
Chloroform	ND		5.0	0.54	ug/L			01/04/18 17:29	1
1,1-Dichloroethane	13		5.0	0.59	ug/L			01/04/18 17:29	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			01/04/18 17:29	1
1,1-Dichloroethylene	9.1		5.0	0.85	ug/L			01/04/18 17:29	1
Methylene Chloride	ND		5.0	0.81	ug/L			01/04/18 17:29	1
Toluene	ND		5.0	0.45	ug/L			01/04/18 17:29	1
1,1,1-Trichloroethane	29		5.0	0.39	ug/L			01/04/18 17:29	1
1,4-Dioxane	ND		200	15	ug/L			01/04/18 17:29	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			01/04/18 17:29	1
Trichloroethylene	1.2	J	5.0	0.60	ug/L			01/04/18 17:29	1
Acetone	ND		25	2.0	ug/L			01/04/18 17:29	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			01/04/18 17:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		68 - 130					01/04/18 17:29	1
4-Bromofluorobenzene (Surr)	92		76 - 123					01/04/18 17:29	1
Toluene-d8 (Surr)	88		77 - 120					01/04/18 17:29	1
Dibromofluoromethane (Surr)	90		75 - 123					01/04/18 17:29	1
Method: 200.7 Rev 4.4 - Me	tals (ICP)								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		01/05/18 08:42	01/05/18 18:27	1

General Chemistry Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	374	В	10.0	4.0	mg/L			01/04/18 13:50	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			01/04/18 13:41	1
pH	7.3	HF	0.1	0.1	SU			01/05/18 11:45	1
Temperature	22.7	HF	0.001	0.001	Degrees C			01/05/18 11:45	1

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

TestAmerica Job ID: 480-129652-1

3

Client Sample ID: ERT-1 Date Collected: 01/02/18 10:15 Date Received: 01/04/18 10:05

**Trichloroethylene** 

1,2-Dichloroethene, Total

Acetone

Lab Sample ID: 480-129652-2

01/04/18 17:53

01/04/18 17:53

01/04/18 17:53

**Matrix: Water** 

Method: 624 - Volatile Orga								
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND ND	5.0	0.60	ug/L			01/04/18 17:53	1
Carbon tetrachloride	ND	5.0	0.51	ug/L			01/04/18 17:53	1
Chloroform	ND	5.0	0.54	ug/L			01/04/18 17:53	1
1,1-Dichloroethane	8.7	5.0	0.59	ug/L			01/04/18 17:53	1
1,2-Dichloroethane	ND	5.0	0.60	ug/L			01/04/18 17:53	1
1,1-Dichloroethylene	20	5.0	0.85	ug/L			01/04/18 17:53	1
Methylene Chloride	ND	5.0	0.81	ug/L			01/04/18 17:53	1
Toluene	ND	5.0	0.45	ug/L			01/04/18 17:53	1
1,1,1-Trichloroethane	38	5.0	0.39	ug/L			01/04/18 17:53	1
1,4-Dioxane	ND	200	15	ug/L			01/04/18 17:53	1
1,1,2-Trichloroethane	ND	5.0	0.48	ug/L			01/04/18 17:53	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80	68 - 130		01/04/18 17:53	1
4-Bromofluorobenzene (Surr)	89	76 - 123		01/04/18 17:53	1
Toluene-d8 (Surr)	86	77 - 120		01/04/18 17:53	1
Dibromofluoromethane (Surr)	91	75 - 123		01/04/18 17:53	1

5.0

25

10

5.9

ND

ND

0.60 ug/L

2.0 ug/L

3.2 ug/L

Method: 200.7 Rev 4.4 - Metals	s (ICP)							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND	0.050	0.019	mg/L		01/05/18 08:42	01/05/18 18:30	1

General Chemistry Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	326	В	10.0	4.0	mg/L			01/04/18 13:50	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			01/04/18 13:41	1
pH	7.3	HF	0.1	0.1	SU			01/05/18 11:48	1
Temperature	22.7	HF	0.001	0.001	Degrees C			01/05/18 11:48	1

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

TestAmerica Job ID: 480-129652-1

3

Client Sample ID: 5R

pН

**Temperature** 

Lab Sample ID: 480-129652-3

**Matrix: Water** 

Date Collected: 01/02/18 10:25 Date Received: 01/04/18 10:05

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			01/04/18 18:17	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			01/04/18 18:17	1
Chloroform	ND		5.0	0.54	ug/L			01/04/18 18:17	1
1,1-Dichloroethane	2.5	J	5.0	0.59	ug/L			01/04/18 18:17	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			01/04/18 18:17	1
1,1-Dichloroethylene	9.5		5.0	0.85	ug/L			01/04/18 18:17	1
Methylene Chloride	ND		5.0	0.81	ug/L			01/04/18 18:17	1
Toluene	ND		5.0	0.45	ug/L			01/04/18 18:17	1
1,1,1-Trichloroethane	25		5.0	0.39	ug/L			01/04/18 18:17	1
1,4-Dioxane	ND		200	15	ug/L			01/04/18 18:17	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			01/04/18 18:17	1
Trichloroethylene	4.6	J	5.0	0.60	ug/L			01/04/18 18:17	1
Acetone	ND		25	2.0	ug/L			01/04/18 18:17	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			01/04/18 18:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		68 - 130					01/04/18 18:17	1
4-Bromofluorobenzene (Surr)	92		76 - 123					01/04/18 18:17	1
Toluene-d8 (Surr)	89		77 - 120					01/04/18 18:17	1
Dibromofluoromethane (Surr)	91		75 - 123					01/04/18 18:17	1
Method: 200.7 Rev 4.4 - Me	tals (ICP)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		01/05/18 08:42	01/05/18 18:34	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	412	В	10.0	4.0	mg/L			01/04/18 13:50	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0		mg/L			01/04/18 13:41	1

0.1

0.001

7.4 HF

22.8 HF

0.1 SU

0.001 Degrees C

01/05/18 11:51

01/05/18 11:51

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

Date Collected: 01/02/18 10:30

Date Received: 01/04/18 10:05

pН

**Temperature** 

**Client Sample ID: COMBINED INFLUENT** 

TestAmerica Job ID: 480-129652-1

2

Lab Sample ID: 480-129652-4

**Matrix: Water** 

ater

O C

8

9

11

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			01/04/18 18:41	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			01/04/18 18:41	1
Chloroform	ND		5.0	0.54	ug/L			01/04/18 18:41	1
1,1-Dichloroethane	8.3		5.0	0.59	ug/L			01/04/18 18:41	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			01/04/18 18:41	1
1,1-Dichloroethylene	14		5.0	0.85	ug/L			01/04/18 18:41	1
Methylene Chloride	ND		5.0	0.81	ug/L			01/04/18 18:41	1
Toluene	ND		5.0	0.45	ug/L			01/04/18 18:41	1
1,1,1-Trichloroethane	32		5.0	0.39	ug/L			01/04/18 18:41	1
1,4-Dioxane	ND		200	15	ug/L			01/04/18 18:41	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			01/04/18 18:41	1
Trichloroethylene	3.9	J	5.0	0.60	ug/L			01/04/18 18:41	1
Acetone	ND		25	2.0	ug/L			01/04/18 18:41	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			01/04/18 18:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	82		68 - 130					01/04/18 18:41	1
4-Bromofluorobenzene (Surr)	92		76 - 123					01/04/18 18:41	1
Toluene-d8 (Surr)	89		77 - 120					01/04/18 18:41	1
Dibromofluoromethane (Surr)	91		75 - 123					01/04/18 18:41	1
Method: 200.7 Rev 4.4 - Me	tals (ICP)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		01/05/18 08:42	01/05/18 18:38	1
General Chemistry									
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	381	В	10.0	4.0	mg/L			01/04/18 13:50	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			01/04/18 13:41	1

0.1

0.001

0.1 SU

0.001 Degrees C

7.3 HF

22.8 HF

01/05/18 11:53

01/05/18 11:53

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

TestAmerica Job ID: 480-129652-1

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**Client Sample ID: EFFLUENT** 

Date Collected: 01/02/18 10:45 Date Received: 01/04/18 10:05 Lab Sample ID: 480-129652-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			01/04/18 19:05	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			01/04/18 19:05	1
Chloroform	ND		5.0	0.54	ug/L			01/04/18 19:05	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			01/04/18 19:05	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			01/04/18 19:05	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			01/04/18 19:05	1
Methylene Chloride	ND		5.0	0.81	ug/L			01/04/18 19:05	1
Toluene	ND		5.0	0.45	ug/L			01/04/18 19:05	1
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			01/04/18 19:05	1
1,4-Dioxane	ND		200	15	ug/L			01/04/18 19:05	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			01/04/18 19:05	1
Trichloroethylene	ND		5.0	0.60	ug/L			01/04/18 19:05	1
Acetone	ND		25	2.0	ug/L			01/04/18 19:05	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			01/04/18 19:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	80		68 - 130					01/04/18 19:05	1
4-Bromofluorobenzene (Surr)	91		76 - 123					01/04/18 19:05	1
Toluene-d8 (Surr)	88		77 - 120					01/04/18 19:05	1
Dibromofluoromethane (Surr)	91		75 - 123					01/04/18 19:05	1
Method: 200.7 Rev 4.4 - Me	tals (ICP)								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		01/05/18 08:42	01/05/18 18:41	

General Chemistry Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	397	В	10.0	4.0	mg/L			01/04/18 13:50	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			01/04/18 13:41	1
pH	8.3	HF	0.1	0.1	SU			01/05/18 11:56	1
Temperature	22.9	HF	0.001	0.001	Degrees C			01/05/18 11:56	1

TestAmerica Job ID: 480-129652-1

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

Client Sample ID: 7R

Lab Sample ID: 480-129652-1 Date Collected: 01/02/18 10:00 **Matrix: Water** 

Date Received: 01/04/18 10:05

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624			394512	01/04/18 17:29	RJF	TAL BUF
Total/NA	Prep	200.7			394590	01/05/18 08:42	EMB	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	394822	01/05/18 18:27	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	394539	01/04/18 13:50	EKB	TAL BUF
Total/NA	Analysis	SM 2540D		1	394537	01/04/18 13:41	EKB	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	394673	01/05/18 11:45	ALZ	TAL BUF

**Client Sample ID: ERT-1** Lab Sample ID: 480-129652-2 Date Collected: 01/02/18 10:15 **Matrix: Water** 

Date Received: 01/04/18 10:05

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	394512	01/04/18 17:53	RJF	TAL BUF
Total/NA	Prep	200.7			394590	01/05/18 08:42	EMB	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	394822	01/05/18 18:30	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	394539	01/04/18 13:50	EKB	TAL BUF
Total/NA	Analysis	SM 2540D		1	394537	01/04/18 13:41	EKB	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	394673	01/05/18 11:48	ALZ	TAL BUF

Client Sample ID: 5R Lab Sample ID: 480-129652-3

Date Collected: 01/02/18 10:25 Date Received: 01/04/18 10:05

Prep Type Total/NA	Batch Type Analysis	Batch Method 624	Run	Dilution Factor 1	Batch Number 394512	Prepared or Analyzed 01/04/18 18:17	Analyst RJF	Lab TAL BUF
Total/NA	Prep	200.7			394590	01/05/18 08:42	EMB	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	394822	01/05/18 18:34	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	394539	01/04/18 13:50	EKB	TAL BUF
Total/NA	Analysis	SM 2540D		1	394537	01/04/18 13:41	EKB	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	394673	01/05/18 11:51	ALZ	TAL BUF

**Client Sample ID: COMBINED INFLUENT** Lab Sample ID: 480-129652-4

Date Collected: 01/02/18 10:30 Date Received: 01/04/18 10:05

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	394512	01/04/18 18:41	RJF	TAL BUF
Total/NA	Prep	200.7			394590	01/05/18 08:42	EMB	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	394822	01/05/18 18:38	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	394539	01/04/18 13:50	EKB	TAL BUF
Total/NA	Analysis	SM 2540D		1	394537	01/04/18 13:41	EKB	TAL BUF

TestAmerica Buffalo

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1/16/2018

**Matrix: Water** 

**Matrix: Water** 

## **Lab Chronicle**

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

**Client Sample ID: COMBINED INFLUENT** 

TestAmerica Job ID: 480-129652-1

Lab Sample ID: 480-129652-4

**Matrix: Water** 

Date Collected: 01/02/18 10:30 Date Received: 01/04/18 10:05

Batch Batch Dilution Batch Prepared Method **Prep Type** Type Run **Factor** Number or Analyzed Analyst Lab Total/NA Analysis SM 4500 H+ B 394673 01/05/18 11:53 ALZ TAL BUF

**Client Sample ID: EFFLUENT** Lab Sample ID: 480-129652-5

Date Collected: 01/02/18 10:45 **Matrix: Water** 

Date Received: 01/04/18 10:05

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624			394512	01/04/18 19:05	RJF	TAL BUF
Total/NA	Prep	200.7			394590	01/05/18 08:42	EMB	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	394822	01/05/18 18:41	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	394539	01/04/18 13:50	EKB	TAL BUF
Total/NA	Analysis	SM 2540D		1	394537	01/04/18 13:41	EKB	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	394673	01/05/18 11:56	ALZ	TAL BUF

**Laboratory References:** 

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

## **Accreditation/Certification Summary**

Client: New York State D.E.C. TestAmerica Job ID: 480-129652-1

Project/Site: Mohonk Rd. #356023

## **Laboratory: TestAmerica Buffalo**

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

Authority	Program		EPA Region	<b>Identification Number</b>	Expiration Date
New York	NELAP		2	10026	03-31-18
The following analyte:	s are included in this repo	t, but accreditation/	certification is not offe	ered by the governing auth	ority:
Analysis Method	Prep Method	Matrix	Analyt	۵	
			,a.y.	C	
624		Water	1,4-Die		

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## **Method Summary**

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

TestAmerica Job ID: 480-129652-1

Method 624	Method Description  Volatile Organic Compounds (GC/MS)	Protocol 40CFR136A	Laboratory TAL BUF
200.7 Rev 4.4	Metals (ICP) Solids, Total Dissolved (TDS)	EPA	TAL BUF
SM 2540C		SM	TAL BUF
SM 2540D	Solids, Total Suspended (TSS)	SM	TAL BUF
SM 4500 H+ B	pH	SM	TAL BUF

#### **Protocol References:**

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

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

#### **Laboratory References:**

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

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## **Sample Summary**

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

TestAmerica Job ID: 480-129652-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-129652-1	7R	Water	01/02/18 10:00	01/04/18 10:05
480-129652-2	ERT-1	Water	01/02/18 10:15	01/04/18 10:05
480-129652-3	5R	Water	01/02/18 10:25	01/04/18 10:05
480-129652-4	COMBINED INFLUENT	Water	01/02/18 10:30	01/04/18 10:05
480-129652-5	EFFLUENT	Water	01/02/18 10:45	01/04/18 10:05

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480-129652 COC Special Instructions/Note: Ver: 08/04/2016 O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahyv Months 480-103109-15807. Page: Page 1 of 1 Job #: Preservation Codes A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - Modhlor
G - Amchlor
H - Ascorbic Acid 710 I - Ice J - DI Water K - EDTA L - EDA Total Number of containers Aethod of Shipment Analysis Requested Cooler Temperature(s) °C and Other Remarks Special Instructions/QC Requirements Hd - +H 009#WS Return To Client judy.stone@testamericainc.com 2540C\_Calcd - Total Dissolved Solids sbiloS bebneqsuS lstoT - 00483 524\_6ml - (MOD) Priority Pollutant List - VOA - 62 200.7 - Iron Stone, Judy L E-Mail: Time: Perform MS/MSD (Yes or No) AZTACK Field Filtered Sample (Yes or No) Preservation Code: Water Water Water Water Matrix Water Radiological Type (C=comp, G=grab) Sample 300 0 800 1045 1015 1030 1000 1025 Date: Unknown TAT Requested (days): Due Date Requested Demo CallOut 121912 Sample Date -3-18 Project #: 48005267 Poison B Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify) Custody Seal No. Phone (716) 691-2600 Fax (716) 691-7991 Non-Hazard Flammable Possible Hazard Identification Empty Kit Relinquished by: Amherst, NY 14228-2298 sabanos@aztechenv.com Custody Seals Intact: Aztech Technologies Inc Client Information Sample Identification Mohonk Rd. #356023 5 McCrea Hill Road 518-402-9813(Tel) Combined Influent elinquished by: Joe Sabanos Ballston Spa State, Zip. NY, 12020 Effluent ERT-1

Chain of Custody Record

480501-Albany

TestAmerica Buffalo

10 Hazelwood Drive

## **Login Sample Receipt Checklist**

Client: New York State D.E.C. Job Number: 480-129652-1

Login Number: 129652 List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

Question         Answer         Comment           Radioactivity either was not measured or, if measured, is at or below background         True           The cooler's custody seal, if present, is intact.         True           The cooler or samples do not appear to have been compromised or tampered with.         True           Samples were received on ice.         True           Cooler Temperature is acceptable.         True           Cooler Temperature is recorded.         True           COC is present.         True           COC is filled out in ink and legible.         True           COC is filled out with all pertinent information.         True           Is the Field Sampler's name present on COC?         True           Is the Field Sampler is name present on 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 steer accompletely filled.         True           Sample Preservation Verified         True           There is sufficient vol. for all requested analyses, incl. any requested	Creator. Williams, Christopher 3		
background The cooler's custody seal, if present, is intact. True 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 present. COC is filled out in ink and legible. True COC is filled out with all pertinent information. Is the Field Sampler's name present on COC? True 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. True Containers are not broken or leaking. True Sample collection date/times are provided. Appropriate sample containers are used. True Sample bottles are completely filled. True Sample Preservation Verified True 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 receds Multiphasic samples are not present. Samples do not require splitting or compositing. Samples received within 48 hours of sampling. True Samples received within 48 hours of sampling.	Question	Answer	Comment
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.  True  Cool is present.  COC is present.  COC is filled out in ink and legible.  True  COC is filled out with all pertinent information.  Is the Field Sampler's name present on COC?  True  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.  True  Sample collection date/times are provided.  Appropriate sample containers are used.  Sample bottles are completely filled.  Sample Preservation Verified  True  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 necessary, staff have been informed of any short hold time or quick TAT necessary, staff have been informed of any short hold time or quick TAT necessary provided.  Samples do not require splitting or compositing.  Samples received within 48 hours of sampling.  True  Samples received within 48 hours of sampling.		True	
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Sample bottles are completely filled.  Sample Preservation Verified  True  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.  True  Sampling Company provided.  Samples received within 48 hours of sampling.  Samples requiring field filtration have been filtered in the field.  N/A	Sample collection date/times are provided.	True	
Sample Preservation Verified True 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.  True Sampling Company provided.  True AZTECH Samples received within 48 hours of sampling.  N/A	Appropriate sample containers are used.	True	
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 True 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.  True  Sampling Company provided.  True  Samples received within 48 hours of sampling.  Samples requiring field filtration have been filtered in the field.  N/A	Sample bottles are completely filled.	True	
MS/MSDs VOA sample vials do not have headspace or bubble is <6mm (1/4") in True diameter. If necessary, staff have been informed of any short hold time or quick TAT rue needs Multiphasic samples are not present. Samples do not require splitting or compositing. True Sampling Company provided. Samples received within 48 hours of sampling. True Samples requiring field filtration have been filtered in the field. N/A	Sample Preservation Verified	True	
diameter.  If necessary, staff have been informed of any short hold time or quick TAT rue needs  Multiphasic samples are not present.  Samples do not require splitting or compositing.  True  Sampling Company provided.  Samples received within 48 hours of sampling.  True  Samples requiring field filtration have been filtered in the field.  N/A		True	
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.  True  N/A		True	
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.  True  N/A	·	True	
Sampling Company provided.  Samples received within 48 hours of sampling.  Samples requiring field filtration have been filtered in the field.  N/A	Multiphasic samples are not present.	True	
Samples received within 48 hours of sampling.  True  Samples requiring field filtration have been filtered in the field.  N/A	Samples do not require splitting or compositing.	True	
Samples requiring field filtration have been filtered in the field.  N/A	Sampling Company provided.	True	AZTECH
Part 14. 0	Samples received within 48 hours of sampling.	True	
Chlorine Residual checked False LAR TO CHECK RC	Samples requiring field filtration have been filtered in the field.	N/A	
Childring Residual Greeked.	Chlorine Residual checked.	False	LAB TO CHECK RC

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THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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

TestAmerica Job ID: 480-131160-1

Client Project/Site: Mohonk Rd. #356023

#### For:

New York State D.E.C. 625 Broadway 12th Floor Albany, New York 12233-7017

Attn: Carl Hoffman

Joseph V. Gracomagger

Authorized for release by: 2/20/2018 3:30:41 PM

Joe Giacomazza, Project Management Assistant II joe.giacomazza@testamericainc.com

Designee for

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

.....LINKS .....

Review your project results through

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**Have a Question?** 



Visit us at: www.testamericainc.com

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

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

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

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

Joeph V. Gireomagger

Joe Giacomazza Project Management Assistant II 2/20/2018 3:30:41 PM Client: New York State D.E.C. Project/Site: Mohonk Rd. #356023

TestAmerica Job ID: 480-131160-1

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## **Definitions/Glossary**

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

TestAmerica Job ID: 480-131160-1

## **Qualifiers**

## **GC/MS VOA**

Qualifier Qualifier Description

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

## **General Chemistry**

Qualifier Qualifier Description

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

## **Glossary**

DL, RA, RE, IN

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)

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)

TestAmerica Buffalo

Page 4 of 17

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## **Case Narrative**

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

TestAmerica Job ID: 480-131160-1

Job ID: 480-131160-1

**Laboratory: TestAmerica Buffalo** 

**Narrative** 

Job Narrative 480-131160-1

#### Receipt

The samples were received on 2/13/2018 10:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.3° C.

#### **GC/MS VOA**

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

#### Metals

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

#### **General Chemistry**

Method(s) 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 (480-131160-1), ERT-1 (480-131160-2), 5R (480-131160-3), COMBINED INFLUENT (480-131160-4) and EFFLUENT (480-131160-5).

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

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

TestAmerica Job ID: 480-131160-1

2

**Client Sample ID: 7R** 

Lab Sample ID: 480-131160-1

Matrix: Water

Date Collected: 02/09/18 10:30 Date Received: 02/13/18 10:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			02/13/18 16:16	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			02/13/18 16:16	1
Chloroform	ND		5.0	0.54	ug/L			02/13/18 16:16	1
1,1-Dichloroethane	15		5.0	0.59	ug/L			02/13/18 16:16	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			02/13/18 16:16	1
1,1-Dichloroethylene	9.9		5.0	0.85	ug/L			02/13/18 16:16	1
Methylene Chloride	ND		5.0	0.81	ug/L			02/13/18 16:16	1
Toluene	ND		5.0	0.45	ug/L			02/13/18 16:16	1
1,1,1-Trichloroethane	40		5.0	0.39	ug/L			02/13/18 16:16	1
1,4-Dioxane	ND		200	15	ug/L			02/13/18 16:16	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			02/13/18 16:16	1
Trichloroethylene	1.3	J	5.0	0.60	ug/L			02/13/18 16:16	1
Acetone	2.1	J	25	2.0	ug/L			02/13/18 16:16	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			02/13/18 16:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		68 - 130					02/13/18 16:16	1
4-Bromofluorobenzene (Surr)	104		76 - 123					02/13/18 16:16	1
Toluene-d8 (Surr)	100		77 - 120					02/13/18 16:16	1
Dibromofluoromethane (Surr)	102		75 - 123					02/13/18 16:16	1
- Method: 200.7 Rev 4.4 - Me	etals (ICP)								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		02/15/18 08:44	02/15/18 15:41	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Gen Analy	eral Chemistry <sub>/te</sub>	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tota	Dissolved Solids	399		10.0	4.0	mg/L			02/13/18 22:30	1
Anal	yte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total	Suspended Solids	ND		4.0	4.0	mg/L			02/15/18 17:47	1
pН		7.3	HF	0.1	0.1	SU			02/14/18 14:55	1
Tem	perature	19.4	HF	0.001	0.001	Degrees C			02/14/18 14:55	1

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

TestAmerica Job ID: 480-131160-1

3

Client Sample ID: ERT-1

**Temperature** 

Lab Sample ID: 480-131160-2

**Matrix: Water** 

Date Collected: 02/09/18 10:25
Date Received: 02/13/18 10:15

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			02/13/18 16:43	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			02/13/18 16:43	1
Chloroform	ND		5.0	0.54	ug/L			02/13/18 16:43	1
1,1-Dichloroethane	8.4		5.0	0.59	ug/L			02/13/18 16:43	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			02/13/18 16:43	1
1,1-Dichloroethylene	18		5.0	0.85	ug/L			02/13/18 16:43	1
Methylene Chloride	ND		5.0	0.81	ug/L			02/13/18 16:43	1
Toluene	ND		5.0	0.45	ug/L			02/13/18 16:43	1
1,1,1-Trichloroethane	42		5.0	0.39	ug/L			02/13/18 16:43	1
1,4-Dioxane	ND		200	15	ug/L			02/13/18 16:43	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			02/13/18 16:43	1
Trichloroethylene	5.1		5.0	0.60	ug/L			02/13/18 16:43	1
Acetone	ND		25	2.0	ug/L			02/13/18 16:43	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			02/13/18 16:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		68 - 130					02/13/18 16:43	1
4-Bromofluorobenzene (Surr)	100		76 - 123					02/13/18 16:43	1
Toluene-d8 (Surr)	98		77 - 120					02/13/18 16:43	1
Dibromofluoromethane (Surr)	98		75 - 123					02/13/18 16:43	1
- Method: 200.7 Rev 4.4 - Me	etals (ICP)								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		02/15/18 08:44	02/15/18 15:59	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	371		10.0	4.0	mg/L			02/13/18 22:30	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L		-	02/15/18 17:47	1

0.001

0.001 Degrees C

19.5 HF

02/14/18 14:59

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

Date Received: 02/13/18 10:15

Client Sample ID: 5R Date Collected: 02/09/18 10:15 TestAmerica Job ID: 480-131160-1

Lab Sample ID: 480-131160-3

**Matrix: Water** 

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			02/13/18 17:10	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			02/13/18 17:10	1
Chloroform	ND		5.0	0.54	ug/L			02/13/18 17:10	1
1,1-Dichloroethane	2.5	J	5.0	0.59	ug/L			02/13/18 17:10	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			02/13/18 17:10	1
1,1-Dichloroethylene	9.9		5.0	0.85	ug/L			02/13/18 17:10	1
Methylene Chloride	ND		5.0	0.81	ug/L			02/13/18 17:10	1
Toluene	ND		5.0	0.45	ug/L			02/13/18 17:10	1
1,1,1-Trichloroethane	31		5.0	0.39	ug/L			02/13/18 17:10	1
1,4-Dioxane	ND		200	15	ug/L			02/13/18 17:10	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			02/13/18 17:10	1
Trichloroethylene	4.4	J	5.0	0.60	ug/L			02/13/18 17:10	1
Acetone	ND		25	2.0	ug/L			02/13/18 17:10	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			02/13/18 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		68 - 130	 	02/13/18 17:10	1
4-Bromofluorobenzene (Surr)	102		76 - 123		02/13/18 17:10	1
Toluene-d8 (Surr)	100		77 - 120		02/13/18 17:10	1
Dibromofluoromethane (Surr)	101		75 - 123		02/13/18 17:10	1

Method: 200.7 Rev 4.4 - Metals	s (ICP)							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND	0.050	0.019	mg/L		02/15/18 08:44	02/15/18 16:03	1

General Chemistry Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	476		10.0	4.0	mg/L			02/13/18 22:30	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			02/13/18 04:17	1
pH	7.3	HF	0.1	0.1	SU			02/14/18 15:02	1
Temperature	19.3	HF	0.001	0.001	Degrees C			02/14/18 15:02	1

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

Date Collected: 02/09/18 10:10

Date Received: 02/13/18 10:15

**Total Dissolved Solids** 

Total Suspended Solids

Analyte

**Temperature** 

**Client Sample ID: COMBINED INFLUENT** 

TestAmerica Job ID: 480-131160-1

Lab Sample ID: 480-131160-4

**Matrix: Water** 

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			02/13/18 17:37	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			02/13/18 17:37	1
Chloroform	ND		5.0	0.54	ug/L			02/13/18 17:37	1
1,1-Dichloroethane	8.9		5.0	0.59	ug/L			02/13/18 17:37	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			02/13/18 17:37	1
1,1-Dichloroethylene	13		5.0	0.85	ug/L			02/13/18 17:37	1
Methylene Chloride	ND		5.0	0.81	ug/L			02/13/18 17:37	1
Toluene	ND		5.0	0.45	ug/L			02/13/18 17:37	1
1,1,1-Trichloroethane	38		5.0	0.39	ug/L			02/13/18 17:37	1
1,4-Dioxane	ND		200	15	ug/L			02/13/18 17:37	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			02/13/18 17:37	1
Trichloroethylene	3.6	J	5.0	0.60	ug/L			02/13/18 17:37	1
Acetone	2.3	J	25	2.0	ug/L			02/13/18 17:37	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			02/13/18 17:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		68 - 130					02/13/18 17:37	1
4-Bromofluorobenzene (Surr)	103		76 - 123					02/13/18 17:37	1
Toluene-d8 (Surr)	99		77 - 120					02/13/18 17:37	1
Dibromofluoromethane (Surr)	101		75 - 123					02/13/18 17:37	1
Method: 200.7 Rev 4.4 - Me	etals (ICP)								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	1.5		0.050	0.019	mg/L		02/15/18 08:44	02/15/18 16:17	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

10.0

RL

4.0

0.1

0.001

410

ND

Result Qualifier

7.3 HF

19.3 HF

4.0 mg/L

**RL** Unit

4.0 mg/L

0.001 Degrees C

0.1 SU

D

Prepared

02/13/18 22:30

Analyzed

02/13/18 04:17

02/14/18 15:05

02/14/18 15:05

Dil Fac

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

TestAmerica Job ID: 480-131160-1

3

**Client Sample ID: EFFLUENT** 

Date Collected: 02/09/18 10:00 Date Received: 02/13/18 10:15 Lab Sample ID: 480-131160-5

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			02/13/18 18:03	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			02/13/18 18:03	1
Chloroform	ND		5.0	0.54	ug/L			02/13/18 18:03	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			02/13/18 18:03	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			02/13/18 18:03	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			02/13/18 18:03	1
Methylene Chloride	ND		5.0	0.81	ug/L			02/13/18 18:03	1
Toluene	ND		5.0	0.45	ug/L			02/13/18 18:03	1
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			02/13/18 18:03	1
1,4-Dioxane	ND		200	15	ug/L			02/13/18 18:03	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			02/13/18 18:03	1
Trichloroethylene	ND		5.0	0.60	ug/L			02/13/18 18:03	1
Acetone	3.9	J	25	2.0	ug/L			02/13/18 18:03	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			02/13/18 18:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		68 - 130					02/13/18 18:03	1
4-Bromofluorobenzene (Surr)	103		76 - 123					02/13/18 18:03	1
Toluene-d8 (Surr)	97		77 - 120					02/13/18 18:03	1
Dibromofluoromethane (Surr)	95		75 - 123					02/13/18 18:03	1
Method: 200.7 Rev 4.4 - Me	tals (ICP)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.25		0.050	0.019	mg/L		02/15/18 08:44	02/15/18 16:21	1

General Chemistry Analyte Total Dissolved Solids		Qualifier	RL 10.0		Unit mg/L	_ <b>D</b>	Prepared	Analyzed 02/13/18 22:30	Dil Fac
Total Dissolved Solids	327		10.0	4.0	IIIg/L			02/13/10 22.30	I
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			02/13/18 04:17	1
pH	8.2	HF	0.1	0.1	SU			02/14/18 15:08	1
Temperature	19.5	HF	0.001	0.001	Degrees C			02/14/18 15:08	1

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

Client Sample ID: 7R Lab Sample ID: 480-131160-1 Date Collected: 02/09/18 10:30 **Matrix: Water** 

Date Received: 02/13/18 10:15

Duan Tana	Batch	Batch	Divis	Dilution	Batch	Prepared	A L 4	Lab
Prep Type Total/NA	Type Analysis	- <b>Method</b> - 624	Run	- <b>Factor</b> - 1	399629	or Analyzed 02/13/18 16:16	Analyst RJF	TAL BUF
Total/NA	Prep	200.7			399958	02/15/18 08:44	JAK	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	400182	02/15/18 15:41	AMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	399765	02/13/18 22:30	CDC	TAL BUF
Total/NA	Analysis	SM 2540D		1	400117	02/15/18 17:47	CDC	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	399910	02/14/18 14:55	DSC	TAL BUF

**Client Sample ID: ERT-1** Lab Sample ID: 480-131160-2 Date Collected: 02/09/18 10:25 **Matrix: Water** 

Date Received: 02/13/18 10:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624			399629	02/13/18 16:43	RJF	TAL BUF
Total/NA	Prep	200.7			399958	02/15/18 08:44	JAK	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	400182	02/15/18 15:59	AMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	399765	02/13/18 22:30	CDC	TAL BUF
Total/NA	Analysis	SM 2540D		1	400117	02/15/18 17:47	CDC	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	399910	02/14/18 14:59	DSC	TAL BUF

Client Sample ID: 5R Lab Sample ID: 480-131160-3

Date Collected: 02/09/18 10:15

Date Received: 02/13/18 10:15

Prep Type Total/NA	Batch Type Analysis	Batch Method 624	Run	Dilution Factor 1	Batch Number 399629	Prepared or Analyzed 02/13/18 17:10	Analyst RJF	Lab TAL BUF
Total/NA	Prep	200.7			399958	02/15/18 08:44	JAK	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	400182	02/15/18 16:03	AMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	399765	02/13/18 22:30	CDC	TAL BUF
Total/NA	Analysis	SM 2540D		1	399582	02/13/18 04:17	KMB	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	399910	02/14/18 15:02	DSC	TAL BUF

**Client Sample ID: COMBINED INFLUENT** Lab Sample ID: 480-131160-4

Date Collected: 02/09/18 10:10 Date Received: 02/13/18 10:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624			399629	02/13/18 17:37	RJF	TAL BUF
Total/NA	Prep	200.7			399958	02/15/18 08:44	JAK	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	400182	02/15/18 16:17	AMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	399765	02/13/18 22:30	CDC	TAL BUF
Total/NA	Analysis	SM 2540D		1	399582	02/13/18 04:17	KMB	TAL BUF

Page 11 of 17

**Matrix: Water** 

**Matrix: Water** 

TestAmerica Buffalo

## **Lab Chronicle**

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

**Client Sample ID: COMBINED INFLUENT** 

TestAmerica Job ID: 480-131160-1

Lab Sample ID: 480-131160-4

**Matrix: Water** 

Date Collected: 02/09/18 10:10 Date Received: 02/13/18 10:15

Batch Batch Dilution Batch Prepared Method **Prep Type** Type Run **Factor** Number or Analyzed Analyst Lab TAL BUF Total/NA Analysis SM 4500 H+ B 399910 02/14/18 15:05 DSC

**Client Sample ID: EFFLUENT** Lab Sample ID: 480-131160-5

Date Collected: 02/09/18 10:00 **Matrix: Water** 

Date Received: 02/13/18 10:15

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624			399629	02/13/18 18:03	RJF	TAL BUF
Total/NA	Prep	200.7			399958	02/15/18 08:44	JAK	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	400182	02/15/18 16:21	AMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	399765	02/13/18 22:30	CDC	TAL BUF
Total/NA	Analysis	SM 2540D		1	399582	02/13/18 04:17	KMB	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	399910	02/14/18 15:08	DSC	TAL BUF

**Laboratory References:** 

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

## **Accreditation/Certification Summary**

Client: New York State D.E.C. TestAmerica Job ID: 480-131160-1 Project/Site: Mohonk Rd. #356023

# Laboratory: TestAmerica Buffalo

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

Authority	Program		EPA Region	<b>Identification Number</b>	Expiration Date
New York	NELAP		2	10026	03-31-18 *
The following analyte:	s are included in this repo	t, but accreditation/	certification is not offe	ered by the governing auth	ority:
Analysis Method	Prep Method	Matrix	Analyt	e	
Alialysis Melliou	i iop monioa		,	•	
624		Water		oxane	

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<sup>\*</sup> Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Buffalo

# **Method Summary**

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

TestAmerica Job ID: 480-131160-1

Method 624 200.7 Rev 4.4	Method Description  Volatile Organic Compounds (GC/MS)  Metals (ICP)	Protocol 40CFR136A EPA	Laboratory TAL BUF TAL BUF
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL BUF
SM 2540D SM 4500 H+ B	Solids, Total Suspended (TSS) pH	SM SM	TAL BUF TAL BUF

#### **Protocol References:**

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

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

#### **Laboratory References:**

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

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# **Sample Summary**

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

TestAmerica Job ID: 480-131160-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-131160-1	7R	Water	02/09/18 10:30	02/13/18 10:15
480-131160-2	ERT-1	Water	02/09/18 10:25	02/13/18 10:15
480-131160-3	5R	Water	02/09/18 10:15	02/13/18 10:15
480-131160-4	COMBINED INFLUENT	Water	02/09/18 10:10	02/13/18 10:15
480-131160-5	EFFLUENT	Water	02/09/18 10:00	02/13/18 10:15

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Buffalo							ToctAr	•
10 Hazelwood Drive 480501-Albany Amherst, NY 14228-2298 Phone (716) 691-2600 Fax (716) 691-7991		Chain of Custody Record	dy Reco	rd			KN3 MI BOOY37 3HI	(Y)
Client Information	Sampler EWIS GE	LIMITE	Lab PM: Stone, Judy L	1	Carrier Tracking No(s)		COC No: 480-103110-1580	
Client Contact:	Phone:		E-Mail:	E-Mail:		-		480 131160 000
Some dations Company:			Datay storic	orestante de la company de la			1	000 001 151 -004
Aztech Technologies Inc				Analysis	Analysis Requested			
Address: 5 McCrea Hill Road	Due Date Requested:						200	
City. Ballston Spa	TAT Requested (days):			7				None AsNaO2
State, Zlp. NY, 12020	T			:9 - AO			D - Nitric Acid P - E - NaHSO4 Q	P - Na2O4S Q - Na2SO3
Phone: 518-402-9813(Tel)	PO #. CallOut 121912		(0				0	Nazszus H2SO4 TSP Dodecahydrate
Email:  sabanos@aztechenv.com	WO#.		12000	sbi				Acetone
Project Name: Mohonk Rd. #356023	Project #:: 48005267		-	lo2 be		_	K-EDTA W	- pH 4-5 other (specify)
Site:	SSOW#:		-	spend otal Di		-	Other:	
	0,		Matrix (w=water, S=solid, O=waste/oil, differed 5	1.7 - Iron 1.8 - Im3 - Im3 - Im3 - Im90 1.0 - Total Su 1.0 - Im90 - Im90 1.4 - Im90 - Im90		tal Number		
Sample Identification	Sample Date Time	G=grab) BT=TISSUE, A=A	<u>ت</u> ۲	97 Z 97 Z 97 Z		51	Special Instr	Special Instructions/Note:
7R	2-9-6 1030	9	Water					
ERT-1	1	****	Water \					
5R	91.2		Water					
Combined Influent	3/-8-	-	Water					
Effluent	3-18		Water					
	1						1	
I'M	2-12-14		-		-	1		
					1			
				1	1			
Possible Hazard Identification	Discorda	leginoloiped	Sa	Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)	y be assessed if san	imples are retaine	stained longer than 1 m	onth)
ested: I, II, III, IV, Other (specify)		isological.	Sp	Special Instructions/QC Requirements	irements:		0.00	Similaris
Empty Kit Relinquished by:	Date		Time:		Method of Shipment	Shipment:		
Relinquished by:	me: -7-18	1700 1	Company	Recempent Last	4	1-21	\$ 0700	ompany
Reinquisippy of Columbia Reinquisipp by Reinquisipp by	181	8000	Company	Received by WILL		Date/Time:	5/0/8	Company
1			6	Co	The second second			f
Custody Seals Intact: Custody Seal No.: Δ Yes Δ No				Cooler Temperature(s) °C and Other Remarks.	Other Remarks:	4	5,5	
								Ver. 08/04/2016

# **Login Sample Receipt Checklist**

Client: New York State D.E.C. Job Number: 480-131160-1

Login Number: 131160 List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

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

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THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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

TestAmerica Job ID: 480-132417-1

Client Project/Site: Mohonk Rd. #356023

### For:

New York State D.E.C. 625 Broadway 12th Floor Albany, New York 12233-7017

Attn: Carl Hoffman



Authorized for release by: 3/21/2018 10:22:24 AM

Joe Giacomazza, Project Management Assistant II joe.giacomazza@testamericainc.com

Designee for

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

.....LINKS .....

Review your project results through

Total Access

**Have a Question?** 



Visit us at: www.testamericainc.com

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

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

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

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.

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Joseph V. giveonogen

Joe Giacomazza

Project Management Assistant II

3/21/2018 10:22:24 AM

Page 2 of 20

3/21/2018

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

TestAmerica Job ID: 480-132417-1

# **Table of Contents**

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## **Definitions/Glossary**

Client: New York State D.E.C. Project/Site: Mohonk Rd. #356023 TestAmerica Job ID: 480-132417-1

#### **Qualifiers**

## **GC/MS VOA**

alifier Description

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**

DER

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

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

Duplicate Error Ratio (normalized absolute difference)

Decision Level Concentration (Radiochemistry) DLC

**EDL** Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MDA Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry) MDC

MDL Method Detection Limit Minimum Level (Dioxin) ML

Not Calculated NC

ND Not Detected at the reporting limit (or MDL or EDL if shown)

PQL Practical Quantitation Limit

OC **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

TestAmerica Job ID: 480-132417-1

Job ID: 480-132417-1

**Laboratory: TestAmerica Buffalo** 

**Narrative** 

Job Narrative 480-132417-1

#### Receipt

The samples were received on  $3/10/2018\ 1:00\ AM$ ; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was  $0.4^{\circ}\ C$ .

#### **GC/MS VOA**

Method(s) 624: The following samples were diluted to bring the concentration of target analytes within the calibration range: ERT-1 (480-132417-2), BATCH TANK (480-132417-6) and AFTER BAG FILTERS (480-132417-7). Elevated reporting limits (RLs) are provided.

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

#### Metals

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

### **General Chemistry**

Method(s) 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: 7R (480-132417-1), ERT-1 (480-132417-2), 5R (480-132417-3), COMBINED INFLUENT (480-132417-4) and EFFLUENT (480-132417-5).

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

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Client: New York State D.E.C. Project/Site: Mohonk Rd. #356023 TestAmerica Job ID: 480-132417-1

Lab Sample ID: 480-132417-1

Matrix: Water

Client Sample ID: 7R

Temperature

Date Collected: 03/09/18 11:00 Date Received: 03/10/18 01:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	ND		5.0	0.60	ug/L			03/12/18 21:22	
Carbon tetrachloride	ND		5.0	0.51	ug/L			03/12/18 21:22	
Chloroform	ND		5.0	0.54	ug/L			03/12/18 21:22	
1,1-Dichloroethane	15		5.0	0.59	ug/L			03/12/18 21:22	
1,2-Dichloroethane	ND		5.0	0.60	ug/L			03/12/18 21:22	
1,1-Dichloroethylene	8.7		5.0	0.85	ug/L			03/12/18 21:22	
Methylene Chloride	ND		5.0	0.81	ug/L			03/12/18 21:22	
Toluene	ND		5.0	0.45	ug/L			03/12/18 21:22	
1,1,1-Trichloroethane	41		5.0	0.39	ug/L			03/12/18 21:22	
1,4-Dioxane	ND		200	15	ug/L			03/12/18 21:22	
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			03/12/18 21:22	
Trichloroethylene	1.3	J	5.0	0.60	ug/L			03/12/18 21:22	
Acetone	ND		25	2.0	ug/L			03/12/18 21:22	
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			03/12/18 21:22	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	101		68 - 130					03/12/18 21:22	
4-Bromofluorobenzene (Surr)	111		76 - 123					03/12/18 21:22	
Toluene-d8 (Surr)	100		77 - 120					03/12/18 21:22	
Dibromofluoromethane (Surr)	103		75 - 123					03/12/18 21:22	
Method: 200.7 Rev 4.4 - Metals	s (ICP)								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Iron	ND		0.050	0.019	mg/L		03/12/18 09:25	03/12/18 15:31	
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total Dissolved Solids	341		10.0	4.0	mg/L			03/13/18 19:39	
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total Suspended Solids	ND		4.0	4.0	mg/L			03/14/18 06:01	•

0.001

0.001 Degrees C

20.3 HF

03/11/18 15:10

3/21/2018

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

TestAmerica Job ID: 480-132417-1

Lab Sample ID: 480-132417-2

Matrix: Water

Client Sample ID: ERT-1

Date Collected: 03/09/18 11:10 Date Received: 03/10/18 01:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			03/12/18 21:46	
Carbon tetrachloride	ND		5.0	0.51	ug/L			03/12/18 21:46	1
Chloroform	ND		5.0	0.54	ug/L			03/12/18 21:46	1
1,1-Dichloroethane	25		5.0	0.59	ug/L			03/12/18 21:46	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			03/12/18 21:46	1
1,1-Dichloroethylene	42		5.0	0.85	ug/L			03/12/18 21:46	1
Methylene Chloride	ND		5.0	0.81	ug/L			03/12/18 21:46	1
Toluene	ND		5.0	0.45	ug/L			03/12/18 21:46	1
1,4-Dioxane	ND		200	15	ug/L			03/12/18 21:46	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			03/12/18 21:46	1
Trichloroethylene	12		5.0	0.60	ug/L			03/12/18 21:46	1
Acetone	ND		25	2.0	ug/L			03/12/18 21:46	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			03/12/18 21:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		68 - 130					03/12/18 21:46	1
4-Bromofluorobenzene (Surr)	110		76 - 123					03/12/18 21:46	1
T / 10 (0 )	100		77 - 120					03/12/18 21:46	1
I oluene-d8 (Surr)	100		11 - 120					00/12/10 21:10	
Dibromofluoromethane (Surr)	103	C/MS) - DL	75 <sub>-</sub> 123					03/12/18 21:46	
Method: 624 - Volatile Organic Com Analyte	103	C/MS) - DL Qualifier		MDL 1.5	Unit ug/L	_ D	Prepared		Dil Fac
Dibromofluoromethane (Surr)  Method: 624 - Volatile Organic Company Analyte  1,1,1-Trichloroethane	103 pounds (GC	Qualifier	75 <sub>-</sub> 123			_ D	Prepared Prepared	03/12/18 21:46 Analyzed	Dil Fac
Dibromofluoromethane (Surr)  Method: 624 - Volatile Organic Company Analyte 1,1,1-Trichloroethane Surrogate	pounds (GC Result 190	Qualifier	75 - 123  RL 20			_ D		03/12/18 21:46  Analyzed  03/13/18 20:20	Dil Fac
Method: 624 - Volatile Organic Companity Analyte 1,1,1-Trichloroethane Surrogate 1,2-Dichloroethane-d4 (Surr)	pounds (GC Result 190 %Recovery	Qualifier	75 - 123  RL 20  Limits			_ <u>D</u>		03/12/18 21:46  Analyzed  03/13/18 20:20  Analyzed	Dil Fac
Dibromofluoromethane (Surr)  Method: 624 - Volatile Organic Company Analyte 1,1,1-Trichloroethane  Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr)	pounds (GC Result 190 %Recovery	Qualifier	75 - 123  RL 20  Limits 68 - 130			_ <u>D</u>		Analyzed 03/13/18 20:20  Analyzed 03/13/18 20:20	Dil Fac
Toluene-d8 (Surr)  Dibromofluoromethane (Surr)  Method: 624 - Volatile Organic Company Analyte  1,1,1-Trichloroethane  Surrogate  1,2-Dichloroethane-d4 (Surr)  4-Bromofluorobenzene (Surr)  Toluene-d8 (Surr)  Dibromofluoromethane (Surr)	703 pounds (GC Result 190  %Recovery 100 114	Qualifier	75 - 123  RL 20  Limits 68 - 130 76 - 123			<u>D</u>		Analyzed 03/13/18 20:20  Analyzed 03/13/18 20:20 03/13/18 20:20 03/13/18 20:20	Dil Fac
Method: 624 - Volatile Organic Companity Analyte 1,1,1-Trichloroethane Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Toluene-d8 (Surr) Dibromofluoromethane (Surr)	703  pounds (GC Result 190  %Recovery 100 114 104 102	Qualifier	75 - 123  RL 20  Limits 68 - 130 76 - 123 77 - 120			_ D_		Analyzed 03/13/18 20:20  Analyzed 03/13/18 20:20 03/13/18 20:20 03/13/18 20:20 03/13/18 20:20	Dil Fac
Dibromofluoromethane (Surr)  Method: 624 - Volatile Organic Company Analyte  1,1,1-Trichloroethane  Surrogate  1,2-Dichloroethane-d4 (Surr)  4-Bromofluorobenzene (Surr)  Toluene-d8 (Surr)	703  pounds (GC Result 190  %Recovery 100 114 104 102	Qualifier	RL 20  Limits 68 - 130 76 - 123 77 - 120 75 - 123	1.5	ug/L Unit	_ D	Prepared Prepared	Analyzed 03/13/18 20:20  Analyzed 03/13/18 20:20 03/13/18 20:20 03/13/18 20:20 03/13/18 20:20 03/13/18 20:20	Dil Face  4  Dil Face 4  4  4  Dil Face
Method: 624 - Volatile Organic Companity Analyte 1,1,1-Trichloroethane Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Toluene-d8 (Surr) Dibromofluoromethane (Surr) Method: 200.7 Rev 4.4 - Metals (ICP)	703  pounds (GC Result 190  %Recovery 100 114 104 102	Qualifier  Qualifier	RL 20  Limits 68 - 130 76 - 123 77 - 120 75 - 123	1.5	ug/L Unit		Prepared	Analyzed 03/13/18 20:20  Analyzed 03/13/18 20:20 03/13/18 20:20 03/13/18 20:20 03/13/18 20:20 03/13/18 20:20	Dil Fac
Method: 624 - Volatile Organic Companity Analyte 1,1,1-Trichloroethane Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Toluene-d8 (Surr) Dibromofluoromethane (Surr) Method: 200.7 Rev 4.4 - Metals (ICP) Analyte Iron General Chemistry	### 103  ### 103  ### 103  ### 100  ### 100  ### 100  ### 100    Result	Qualifier  Qualifier  Qualifier  J	RL 20  Limits 68 - 130 76 - 123 77 - 120 75 - 123  RL 0.050	MDL 0.019	ug/L  Unit  mg/L	_ D	Prepared 03/12/18 09:25	Analyzed 03/13/18 20:20  Analyzed 03/13/18 20:20 03/13/18 20:20 03/13/18 20:20 03/13/18 20:20  Analyzed  03/13/18 15:50	Dil Fac
Method: 624 - Volatile Organic Companic	### 103  ### 103  ### 103  ### 104  ### 102  ### 103  ###	Qualifier  Qualifier  Qualifier	RL 20  Limits 68 - 130 76 - 123 77 - 120 75 - 123  RL 0.050	MDL 0.019	ug/L Unit mg/L		Prepared Prepared	Analyzed 03/13/18 20:20  Analyzed 03/13/18 20:20 03/13/18 20:20 03/13/18 20:20 03/13/18 20:20  Analyzed 03/13/18 15:50  Analyzed	Dil Fac
Method: 624 - Volatile Organic Companic	### 103  ### 103  ### 100  ### 100  ### 100  ### 100    Result    0.028    Result    342	Qualifier  Qualifier  Qualifier  J  Qualifier	RL 20  Limits 68 - 130 76 - 123 77 - 120 75 - 123  RL 0.050	MDL 0.019 MDL 4.0	Unit mg/L Unit mg/L	_ D_	Prepared  O3/12/18 09:25  Prepared	Analyzed  03/13/18 20:20  Analyzed  03/13/18 20:20  03/13/18 20:20  03/13/18 20:20  03/13/18 20:20  Analyzed  03/12/18 15:50  Analyzed  03/13/18 19:39	Dil Fac
Method: 624 - Volatile Organic Companity English Properties of Surrogate 1,1,1-Trichloroethane Surrogate 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) Toluene-d8 (Surr) Dibromofluoromethane (Surr) Method: 200.7 Rev 4.4 - Metals (ICP) Analyte Iron General Chemistry Analyte Total Dissolved Solids Analyte	### 103  ### 103  ### 104  ### 104  ### 102    Result	Qualifier  Qualifier  Qualifier  J	RL 20  Limits 68 - 130 76 - 123 77 - 120 75 - 123  RL 0.050  RL 10.0 RL	MDL 0.019 MDL 4.0 RL	Unit mg/L  Unit mg/L  Unit	_ D	Prepared 03/12/18 09:25	Analyzed  03/12/18 21:46  Analyzed  03/13/18 20:20  Analyzed  03/13/18 20:20  03/13/18 20:20  03/13/18 20:20  Analyzed  03/12/18 15:50  Analyzed  03/13/18 19:39  Analyzed	Dil Face  Dil Face  Dil Face  Dil Face  Dil Face  Dil Face  Dil Face
Method: 624 - Volatile Organic Companic	### 103  ### 103  ### 100  ### 100  ### 100  ### 100    Result    0.028    Result    342	Qualifier  Qualifier  Qualifier  J  Qualifier  Qualifier  Qualifier	RL 20  Limits 68 - 130 76 - 123 77 - 120 75 - 123  RL 0.050  RL 10.0 RL 4.0	MDL 0.019 MDL 4.0 RL 4.0	Unit mg/L  Unit mg/L  Unit mg/L  Unit mg/L	_ D_	Prepared  O3/12/18 09:25  Prepared	Analyzed 03/13/18 20:20  Analyzed 03/13/18 20:20 03/13/18 20:20 03/13/18 20:20 03/13/18 20:20  Analyzed 03/13/18 15:50  Analyzed 03/13/18 19:39 Analyzed 03/14/18 20:41	Dil Face  Dil Face  Dil Face  Dil Face  1
Method: 624 - Volatile Organic Companic Method: 624 - Volatile Organic Companic Comp	### 103  ### 103  ### 104  ### 104  ### 102    Result	Qualifier  Qualifier  Qualifier  Qualifier  Qualifier  HF	RL 20  Limits 68 - 130 76 - 123 77 - 120 75 - 123  RL 0.050  RL 10.0 RL	MDL 0.019 MDL 4.0 RL 4.0 0.1	Unit mg/L  Unit mg/L  Unit	_ D_	Prepared  O3/12/18 09:25  Prepared	Analyzed  03/12/18 21:46  Analyzed  03/13/18 20:20  Analyzed  03/13/18 20:20  03/13/18 20:20  03/13/18 20:20  Analyzed  03/12/18 15:50  Analyzed  03/13/18 19:39  Analyzed	Dil Fac

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Client: New York State D.E.C. Project/Site: Mohonk Rd. #356023 TestAmerica Job ID: 480-132417-1

Lab Sample ID: 480-132417-3

Matrix: Water

Client Sample ID: 5R Date Collected: 03/09/18 11:20

Method: 624 - Volatile Organic	Compounds (GC	C/MS)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	ND		5.0	0.60	ug/L			03/12/18 22:10	
Carbon tetrachloride	ND		5.0	0.51	ug/L			03/12/18 22:10	
Chloroform	ND		5.0	0.54	ug/L			03/12/18 22:10	•
1,1-Dichloroethane	1.6	J	5.0	0.59	ug/L			03/12/18 22:10	
1,2-Dichloroethane	ND		5.0	0.60	ug/L			03/12/18 22:10	•
1,1-Dichloroethylene	7.6		5.0	0.85	ug/L			03/12/18 22:10	•
Methylene Chloride	ND		5.0	0.81	ug/L			03/12/18 22:10	
Toluene	ND		5.0	0.45	ug/L			03/12/18 22:10	
1,1,1-Trichloroethane	45		5.0	0.39	ug/L			03/12/18 22:10	•
1,4-Dioxane	ND		200	15	ug/L			03/12/18 22:10	•
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			03/12/18 22:10	•
Trichloroethylene	2.9	J	5.0	0.60	ug/L			03/12/18 22:10	•
Acetone	ND		25	2.0	ug/L			03/12/18 22:10	•
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			03/12/18 22:10	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	103		68 - 130					03/12/18 22:10	
4-Bromofluorobenzene (Surr)	110		76 - 123					03/12/18 22:10	
Toluene-d8 (Surr)	101		77 - 120					03/12/18 22:10	
Dibromofluoromethane (Surr)	103		75 - 123					03/12/18 22:10	
Method: 200.7 Rev 4.4 - Metals	s (ICP)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		03/12/18 09:25	03/12/18 15:54	
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	273		10.0	4.0	mg/L			03/13/18 19:39	
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			03/14/18 06:01	-
рН	7.5	HF	0.1	0.1	SU			03/11/18 15:17	
		HF	0.001		Degrees C			03/11/18 15:17	

3/21/2018

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

TestAmerica Job ID: 480-132417-1

**Client Sample ID: COMBINED INFLUENT** 

Date Collected: 03/09/18 11:25

Lab Sample ID: 480-132417-4 Matrix: Water

Date Received: 03/10/18 01:00

Analyte

Temperature

Total Suspended Solids

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			03/12/18 22:34	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			03/12/18 22:34	1
Chloroform	ND		5.0	0.54	ug/L			03/12/18 22:34	1
1,1-Dichloroethane	15		5.0	0.59	ug/L			03/12/18 22:34	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			03/12/18 22:34	1
1,1-Dichloroethylene	20		5.0	0.85	ug/L			03/12/18 22:34	1
Methylene Chloride	ND		5.0	0.81	ug/L			03/12/18 22:34	1
Toluene	ND		5.0	0.45	ug/L			03/12/18 22:34	1
1,1,1-Trichloroethane	92		5.0	0.39	ug/L			03/12/18 22:34	1
1,4-Dioxane	ND		200	15	ug/L			03/12/18 22:34	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			03/12/18 22:34	1
Trichloroethylene	6.0		5.0	0.60	ug/L			03/12/18 22:34	1
Acetone	ND		25	2.0	ug/L			03/12/18 22:34	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			03/12/18 22:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		68 - 130					03/12/18 22:34	1
4-Bromofluorobenzene (Surr)	112		76 - 123					03/12/18 22:34	1
Toluene-d8 (Surr)	101		77 - 120					03/12/18 22:34	1
Dibromofluoromethane (Surr)	104		75 - 123					03/12/18 22:34	1
- Method: 200.7 Rev 4.4 - Metals	s (ICP)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.033	J	0.050	0.019	mg/L		03/12/18 09:25	03/12/18 16:09	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	305		10.0	4.0	mg/L			03/13/18 19:39	1
						_			

RL

4.0

0.1

0.001

RL Unit

4.0 mg/L

0.001 Degrees C

0.1 SU

Prepared

Analyzed

03/14/18 20:41

03/11/18 15:20

03/11/18 15:20

Dil Fac

Result Qualifier

7.5 HF

20.6 HF

ND

TestAmerica Buffalo

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

TestAmerica Job ID: 480-132417-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-132417-5

Matrix: Water

Date Collected: 03/09/18 11:30 Date Received: 03/10/18 01:00

Temperature

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	ND		5.0	0.60	ug/L			03/12/18 22:58	
Carbon tetrachloride	ND		5.0	0.51	ug/L			03/12/18 22:58	
Chloroform	ND		5.0	0.54	ug/L			03/12/18 22:58	
1,1-Dichloroethane	ND		5.0	0.59	ug/L			03/12/18 22:58	
1,2-Dichloroethane	ND		5.0	0.60	ug/L			03/12/18 22:58	
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			03/12/18 22:58	
Methylene Chloride	ND		5.0	0.81	ug/L			03/12/18 22:58	
Toluene	ND		5.0	0.45	ug/L			03/12/18 22:58	
1,1,1-Trichloroethane	0.40	J	5.0	0.39	ug/L			03/12/18 22:58	
1,4-Dioxane	ND		200	15	ug/L			03/12/18 22:58	
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			03/12/18 22:58	•
Trichloroethylene	ND		5.0	0.60	ug/L			03/12/18 22:58	
Acetone	3.3	J	25	2.0	ug/L			03/12/18 22:58	
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			03/12/18 22:58	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	101		68 - 130					03/12/18 22:58	
4-Bromofluorobenzene (Surr)	113		76 - 123					03/12/18 22:58	
Toluene-d8 (Surr)	100		77 - 120					03/12/18 22:58	
Dibromofluoromethane (Surr)	101		75 - 123					03/12/18 22:58	
Method: 200.7 Rev 4.4 - Metals (ICF	<b>'</b> )								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Iron	0.027	J	0.050	0.019	mg/L		03/12/18 09:25	03/12/18 16:12	
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total Dissolved Solids	308		10.0	4.0	mg/L			03/13/18 19:39	-
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total Suspended Solids	ND		4.0	4.0	mg/L			03/14/18 06:01	
					5				

0.001

0.001 Degrees C

20.8 HF

03/11/18 15:25

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

Date Collected: 03/09/18 11:40

Date Received: 03/10/18 01:00

**Client Sample ID: BATCH TANK** 

TestAmerica Job ID: 480-132417-1

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Lab Sample ID: 480-132417-6

Matrix: Water

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		10	1.2	ug/L			03/13/18 20:44	2
Carbon tetrachloride	ND		10	1.0	ug/L			03/13/18 20:44	2
Chloroform	ND		10	1.1	ug/L			03/13/18 20:44	2
1,1-Dichloroethane	14		10	1.2	ug/L			03/13/18 20:44	2
1,2-Dichloroethane	ND		10	1.2	ug/L			03/13/18 20:44	2
1,1-Dichloroethylene	16		10	1.7	ug/L			03/13/18 20:44	2
Methylene Chloride	ND		10	1.6	ug/L			03/13/18 20:44	2
Toluene	ND		10	0.91	ug/L			03/13/18 20:44	2
1,1,1-Trichloroethane	80		10	0.77	ug/L			03/13/18 20:44	2
1,4-Dioxane	ND		400	30	ug/L			03/13/18 20:44	2
1,1,2-Trichloroethane	ND		10	0.96	ug/L			03/13/18 20:44	2
Trichloroethylene	5.0	J	10	1.2	ug/L			03/13/18 20:44	2
Acetone	ND		50	4.0	ug/L			03/13/18 20:44	2
1,2-Dichloroethene, Total	ND		20	6.4	ug/L			03/13/18 20:44	2

Surrogate	%Recovery	Qualifier Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96	68 - 130		03/13/18 20:44	2
4-Bromofluorobenzene (Surr)	113	76 - 123		03/13/18 20:44	2
Toluene-d8 (Surr)	102	77 - 120		03/13/18 20:44	2
Dibromofluoromethane (Surr)	100	75 - 123		03/13/18 20:44	2

Client: New York State D.E.C. Project/Site: Mohonk Rd. #356023 TestAmerica Job ID: 480-132417-1

**Client Sample ID: AFTER BAG FILTERS** 

Date Collected: 03/09/18 11:45 Date Received: 03/10/18 01:00

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

Lab Sample ID: 480-132417-7

03/13/18 21:08

03/13/18 21:08

03/13/18 21:08

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		10	1.2	ug/L			03/13/18 21:08	2
Carbon tetrachloride	ND		10	1.0	ug/L			03/13/18 21:08	2
Chloroform	ND		10	1.1	ug/L			03/13/18 21:08	2
1,1-Dichloroethane	14		10	1.2	ug/L			03/13/18 21:08	2
1,2-Dichloroethane	ND		10	1.2	ug/L			03/13/18 21:08	2
1,1-Dichloroethylene	19		10	1.7	ug/L			03/13/18 21:08	2
Methylene Chloride	ND		10	1.6	ug/L			03/13/18 21:08	2
Toluene	ND		10	0.91	ug/L			03/13/18 21:08	2
1,1,1-Trichloroethane	91		10	0.77	ug/L			03/13/18 21:08	2
1,4-Dioxane	ND		400	30	ug/L			03/13/18 21:08	2
1,1,2-Trichloroethane	ND		10	0.96	ug/L			03/13/18 21:08	2
Trichloroethylene	5.7	J	10	1.2	ug/L			03/13/18 21:08	2
Acetone	ND		50	4.0	ug/L			03/13/18 21:08	2
1,2-Dichloroethene, Total	ND		20	6.4	ug/L			03/13/18 21:08	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		68 - 130			-		03/13/18 21:08	2

76 - 123

77 - 120

75 - 123

113

101

100

2

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

TestAmerica Job ID: 480-132417-1

## **Client Sample ID: DISCHARGE PUMP DRAIN**

Date Collected: 03/09/18 11:50 Date Received: 03/10/18 01:00 Lab Sample ID: 480-132417-8

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			03/13/18 21:32	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			03/13/18 21:32	1
Chloroform	ND		5.0	0.54	ug/L			03/13/18 21:32	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			03/13/18 21:32	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			03/13/18 21:32	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			03/13/18 21:32	1
Methylene Chloride	ND		5.0	0.81	ug/L			03/13/18 21:32	1
Toluene	ND		5.0	0.45	ug/L			03/13/18 21:32	1
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			03/13/18 21:32	1
1,4-Dioxane	ND		200	15	ug/L			03/13/18 21:32	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			03/13/18 21:32	1
Trichloroethylene	ND		5.0	0.60	ug/L			03/13/18 21:32	1
Acetone	ND		25	2.0	ug/L			03/13/18 21:32	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			03/13/18 21:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery (	Qualifier Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98	68 - 130		03/13/18 21:32	1
4-Bromofluorobenzene (Surr)	112	76 - 123		03/13/18 21:32	1
Toluene-d8 (Surr)	99	77 - 120		03/13/18 21:32	1
Dibromofluoromethane (Surr)	100	75 - 123		03/13/18 21:32	1

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TestAmerica Job ID: 480-132417-1

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

Lab Sample ID: 480-132417-1

**Matrix: Water** 

Client Sample ID: 7R Date Collected: 03/09/18 11:00

Date Received: 03/10/18 01:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624			403635	03/12/18 21:22	RLB	TAL BUF
Total/NA	Prep	200.7			403499	03/12/18 09:25	JAK	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	403704	03/12/18 15:31	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	403852	03/13/18 19:39	CDC	TAL BUF
Total/NA	Analysis	SM 2540D		1	403886	03/14/18 06:01	KMB	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	403463	03/11/18 15:10	DSC	TAL BUF

Client Sample ID: ERT-1 Lab Sample ID: 480-132417-2

Date Collected: 03/09/18 11:10 **Matrix: Water** Date Received: 03/10/18 01:00

Batch Batch Dilution Batch Prepared Prep Type Type Method Run Factor Number or Analyzed Analyst Lab Total/NA 624 403635 03/12/18 21:46 RLB TAL BUF Analysis Total/NA Analysis 624 DL 403834 03/13/18 20:20 RLB TAL BUF Total/NA 200.7 TAL BUF Prep 403499 03/12/18 09:25 JAK Total/NA 403704 TAL BUF Analysis 200.7 Rev 4.4 03/12/18 15:50 LMH TAL BUF Total/NA Analysis SM 2540C 1 403852 03/13/18 19:39 CDC Total/NA SM 2540D 404071 03/14/18 20:41 CDC TAL BUF Analysis 1 TAL BUF Total/NA Analysis SM 4500 H+ B 403463 03/11/18 15:13 DSC 1

Client Sample ID: 5R Lab Sample ID: 480-132417-3

Date Collected: 03/09/18 11:20 Matrix: Water Date Received: 03/10/18 01:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624			403635	03/12/18 22:10	RLB	TAL BUF
Total/NA	Prep	200.7			403499	03/12/18 09:25	JAK	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	403704	03/12/18 15:54	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	403852	03/13/18 19:39	CDC	TAL BUF
Total/NA	Analysis	SM 2540D		1	403886	03/14/18 06:01	KMB	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	403463	03/11/18 15:17	DSC	TAL BUF

**Client Sample ID: COMBINED INFLUENT** Lab Sample ID: 480-132417-4

Date Collected: 03/09/18 11:25 Matrix: Water Date Received: 03/10/18 01:00

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	403635	03/12/18 22:34	RLB	TAL BUF
Total/NA	Prep	200.7			403499	03/12/18 09:25	JAK	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	403704	03/12/18 16:09	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	403852	03/13/18 19:39	CDC	TAL BUF

TestAmerica Buffalo

Page 14 of 20

3/21/2018

Client: New York State D.E.C.

Project/Site: Mohonk Rd. #356023

**Client Sample ID: COMBINED INFLUENT** 

Lab Sample ID: 480-132417-4

Matrix: Water

Date Collected: 03/09/18 11:25 Date Received: 03/10/18 01:00

		Batch	Batch		Dilution	Batch	Prepared		
Prep	Туре	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total	/NA	Analysis	SM 2540D		1	404071	03/14/18 20:41	CDC	TAL BUF
Total	/NA	Analysis	SM 4500 H+ B		1	403463	03/11/18 15:20	DSC	TAL BUF

**Client Sample ID: EFFLUENT** Lab Sample ID: 480-132417-5

Date Collected: 03/09/18 11:30 Matrix: Water Date Received: 03/10/18 01:00

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	403635	03/12/18 22:58	RLB	TAL BUF
Total/NA	Prep	200.7			403499	03/12/18 09:25	JAK	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	403704	03/12/18 16:12	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	403852	03/13/18 19:39	CDC	TAL BUF
Total/NA	Analysis	SM 2540D		1	403886	03/14/18 06:01	KMB	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	403463	03/11/18 15:25	DSC	TAL BUF

Lab Sample ID: 480-132417-6 **Client Sample ID: BATCH TANK** 

Date Collected: 03/09/18 11:40 **Matrix: Water** 

Date Received: 03/10/18 01:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624			403834	03/13/18 20:44	RLB	TAL BUF

Lab Sample ID: 480-132417-7 **Client Sample ID: AFTER BAG FILTERS** 

Date Collected: 03/09/18 11:45 **Matrix: Water** 

Date Received: 03/10/18 01:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624			403834	03/13/18 21:08	RLB	TAL BUF

**Client Sample ID: DISCHARGE PUMP DRAIN** Lab Sample ID: 480-132417-8

Date Collected: 03/09/18 11:50 **Matrix: Water** 

Date Received: 03/10/18 01:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	403834	03/13/18 21:32	RLB	TAL BUF

Laboratory References:

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

TestAmerica Buffalo

3/21/2018

# **Accreditation/Certification Summary**

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

TestAmerica Job ID: 480-132417-1

## **Laboratory: TestAmerica Buffalo**

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

Authority	Program		EPA Region	Identification Number	Expiration Date
lew York	NELAP		2	10026	03-31-18 *
The following analytes	are included in this report, bu	t accreditation/certifica	ion is not offered by th	e governing authority.	
,	• •		,	,	
Analysis Method	Prep Method	Matrix	Analyt	,	
0 ,	• •		Analyt	,	
Analysis Method	• •	Matrix	Analyt	е	

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 $<sup>^{\</sup>star} \ Accreditation/Certification\ renewal\ pending\ -\ accreditation/certification\ considered\ valid.$ 

TestAmerica Buffalo

## **Method Summary**

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

TestAmerica Job ID: 480-132417-1

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

#### Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

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

#### Laboratory References:

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

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## **Sample Summary**

Matrix

Water

Water

Water

Water

Water

Water

Water

Water

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

Client Sample ID

COMBINED INFLUENT

AFTER BAG FILTERS

DISCHARGE PUMP DRAIN

7R

5R

ERT-1

**EFFLUENT** 

BATCH TANK

Lab Sample ID

480-132417-1

480-132417-2

480-132417-3

480-132417-4

480-132417-5

480-132417-6

480-132417-7

480-132417-8

TestAmerica Job ID: 480-132417-1

Collected	Received
03/09/18 11:00	03/10/18 01:00
03/09/18 11:10	03/10/18 01:00
03/09/18 11:20	03/10/18 01:00
03/09/18 11:25	03/10/18 01:00
03/09/18 11:30	03/10/18 01:00
03/09/18 11:40	03/10/18 01:00

03/09/18 11:45

03/09/18 11:50

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03/10/18 01:00

03/10/18 01:00

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TestAmerica Buffalo

TestAmerica

10 Hazelwood Drive Amherst, NY 1428-2298 Phone (7148) 604 2600 E-y (7148) 604 7004	480501-Albany Chain o	Chain of Custody Record	y Record		1estAmerico	O STING
Client Information	Sampler:	the	Lab PM: Stone, Judy L	Cai	COC No: 1480-103110-15807.1	
Client Contact:	Phone:	8	E-Mail:	480-132417 COC	Page:	
Joe Sabanos Company:			Judy.stone@testamericainc.com		Job #:	
Aztech Technologies Inc			Analysis Rec	Requested		
Address: 5 McCrea Hill Road	Due Date Requested:					
City. Ballston Spa	TAT Requested (days):		7		B - NaOH N - None C - Zn Acetate O - AsnaO2	
State, Zip: NY, 12020			9 - AO			
Phone: 518-402-9813(Tel)	Po #: CallOut 121912		V - Jel			vdrate
Email: jsabanos@aztechenv.com	WO#:		(ol) utant L	5.	I - Ice J - DI Water	
Project Name: Mohonk Rd. #356023	Project #: 48005267		sor I	ieuje,	K - EDTA L - EDA	•
Site:	SSOW#:		SD (Ye		Other:	
Comple Identification	Sample Date Time	Sample Mat (wew Type Sess (C=comp, c=wew C=comp)	Matrix Matrix Matrix Second Owner Second On-7-Inn A-7-Inn A-7-	andemy leve	otal Number	į
Campre tremmeation	18	Preservation Code:	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z			· ·
7R	3-9-18 1100	M	X			
ERT-1	9-13	M	Water	Participa		
5R	3-9-18 1120	M	Water			
Combined Influent	3-9-18 1125	M	Water	157(8)		
Effluent	3-9-18 1/30	W	water Water			
Bakentenk	3-9-18 1140	No	Waln			
After Dag filters	3-9-18 1145	Wa	Waln	323		
Discharge Rump drein	3-9-18 1150	3	Nako			
			2778			
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 Mon	assessed if samples are reta	stained longer than 1 month) Archive For Months	
ested: I, II, III, IV, Other (specify)			Requirem			
Empty Kit Relinquished by:	Date:		Time:	Method of Shipment:		
Relinguished by:	Date/Time:	3	Rompant EL Received by. 45 L	Date/Time: 35-18	1443 Company	
Relinquished by/	Date/Time:	18co Company	Received by M. M. D. M.	Date/Time:	oldo Company	
	Cater Ille.				Audino	
Custody Seal No.:			Cooler Temperature(s) 'C and Other Remarks:	Remarks:	( )#	
					v.cr.: 08/04/2016	910

# Login Sample Receipt Checklist

Client: New York State D.E.C. Job Number: 480-132417-1

Login Number: 132417 List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

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

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THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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

TestAmerica Job ID: 480-133464-1

Client Project/Site: Mohonk Rd. #356023

#### For:

New York State D.E.C. 625 Broadway 12th Floor Albany, New York 12233-7017

Attn: Carl Hoffman



Authorized for release by: 4/10/2018 10:19:06 AM

Joe Giacomazza, Project Management Assistant II joe.giacomazza@testamericainc.com

Designee for

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

·····LINKS ·······

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

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

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

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.

Joseph V. gireomonger

Joe Giacomazza

Project Management Assistant II

4/10/2018 10:19:06 AM

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

TestAmerica Job ID: 480-133464-1

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#### **Definitions/Glossary**

Client: New York State D.E.C. Project/Site: Mohonk Rd. #356023 TestAmerica Job ID: 480-133464-1

#### **Qualifiers**

#### **GC/MS VOA**

Qualifier Description
C

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) Minimum Detectable Concentration (Radiochemistry) MDC

MDL Method Detection Limit Minimum Level (Dioxin) ML

Not Calculated NC

ND Not Detected at the reporting limit (or MDL or EDL if shown)

PQL Practical Quantitation Limit

OC **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

TestAmerica Job ID: 480-133464-1

Job ID: 480-133464-1

**Laboratory: TestAmerica Buffalo** 

Narrative

Job Narrative 480-133464-1

#### Receipt

The samples were received on 4/3/2018 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.8° C.

#### **GC/MS VOA**

Method(s) 624: The following samples were diluted to bring the concentration of target analytes within the calibration range: BATCH TANK (480-133464-6) and AFTER BAG FILTERS (480-133464-7). Elevated reporting limits (RLs) are provided.

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

#### **Metals**

Method(s) 200.7: The following samples for metals were received unpreserved and were preserved upon receipt to the laboratory: 7R (480-133464-1), ERT-1 (480-133464-2), 5R (480-133464-3), COMBINED INFLUENT (480-133464-4), EFFLUENT (480-133464-5), (480-133464-C-1 MS) and (480-133464-C-1 MSD). Regulatory documents require a 24-hour waiting period from the time of the addition of the acid preservative to the time of digestion. preserved 3April18 at 0650, second check 4april18 at 0725

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

#### **General Chemistry**

Method(s) 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 (480-133464-1), ERT-1 (480-133464-2), 5R (480-133464-3), COMBINED INFLUENT (480-133464-4) and EFFLUENT (480-133464-5).

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

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Client: New York State D.E.C. Project/Site: Mohonk Rd. #356023 TestAmerica Job ID: 480-133464-1

Lab Sample ID: 480-133464-1

Matrix: Water

Client Sample ID: 7R Date Collected: 04/02/18 10:20

Analyte

Temperature

Total Suspended Solids

Date Received: 04/03/18 01:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			04/03/18 23:57	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			04/03/18 23:57	1
Chloroform	ND		5.0	0.54	ug/L			04/03/18 23:57	1
1,1-Dichloroethane	23		5.0	0.59	ug/L			04/03/18 23:57	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			04/03/18 23:57	1
1,1-Dichloroethylene	10		5.0	0.85	ug/L			04/03/18 23:57	1
Methylene Chloride	ND		5.0	0.81	ug/L			04/03/18 23:57	1
Toluene	ND		5.0	0.45	ug/L			04/03/18 23:57	1
1,1,1-Trichloroethane	62		5.0	0.39	ug/L			04/03/18 23:57	1
1,4-Dioxane	ND		200	15	ug/L			04/03/18 23:57	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			04/03/18 23:57	1
Trichloroethylene	1.8	J	5.0	0.60	ug/L			04/03/18 23:57	1
Acetone	ND		25	2.0	ug/L			04/03/18 23:57	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			04/03/18 23:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		68 - 130					04/03/18 23:57	1
4-Bromofluorobenzene (Surr)	104		76 - 123					04/03/18 23:57	1
Toluene-d8 (Surr)	98		77 - 120					04/03/18 23:57	1
Dibromofluoromethane (Surr)	97		75 - 123					04/03/18 23:57	1
Method: 200.7 Rev 4.4 - Metals	s (ICP)								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		04/04/18 08:42	04/04/18 15:47	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	367		10.0	4.0	mg/L			04/04/18 08:23	1

RL

4.0

0.1

0.001

RL Unit

4.0 mg/L

0.001 Degrees C

0.1 SU

Prepared

Analyzed

04/03/18 21:18

04/03/18 10:48

04/03/18 10:48

Dil Fac

Result Qualifier

7.2 HF

19.2 HF

ND

Client: New York State D.E.C. Project/Site: Mohonk Rd. #356023 TestAmerica Job ID: 480-133464-1

Lab Sample ID: 480-133464-2

Matrix: Water

**Client Sample ID: ERT-1** 

Date Collected: 04/02/18 10:15 Date Received: 04/03/18 01:00

Temperature

Method: 624 - Volatile Organic Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			04/04/18 20:57	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			04/04/18 20:57	1
Chloroform	ND		5.0	0.54	ug/L			04/04/18 20:57	1
1,1-Dichloroethane	10		5.0	0.59	ug/L			04/04/18 20:57	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			04/04/18 20:57	1
1,1-Dichloroethylene	21		5.0	0.85	ug/L			04/04/18 20:57	1
Methylene Chloride	ND		5.0	0.81	ug/L			04/04/18 20:57	1
Toluene	ND		5.0	0.45	ug/L			04/04/18 20:57	1
1,1,1-Trichloroethane	60		5.0	0.39	ug/L			04/04/18 20:57	1
1,4-Dioxane	ND		200	15	ug/L			04/04/18 20:57	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			04/04/18 20:57	1
Trichloroethylene	6.6		5.0	0.60	ug/L			04/04/18 20:57	1
Acetone	ND		25	2.0	ug/L			04/04/18 20:57	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			04/04/18 20:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		68 - 130					04/04/18 20:57	1
4-Bromofluorobenzene (Surr)	104		76 - 123					04/04/18 20:57	1
Toluene-d8 (Surr)	95		77 - 120					04/04/18 20:57	1
Dibromofluoromethane (Surr)	97		75 - 123					04/04/18 20:57	1
- Method: 200.7 Rev 4.4 - Metals	s (ICP)								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		04/04/18 08:42	04/04/18 16:05	1
- General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	360		10.0	4.0	mg/L			04/04/18 08:23	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
			4.0		mg/L			04/03/18 21:18	1

0.1

0.001

7.2 HF

19.3 HF

0.1 SU

0.001 Degrees C

04/03/18 10:51

04/03/18 10:51

4/10/2018

Client: New York State D.E.C. Project/Site: Mohonk Rd. #356023 TestAmerica Job ID: 480-133464-1

Lab Sample ID: 480-133464-3

Matrix: Water

Date Collected: 04/02/18 10:10 Date Received: 04/03/18 01:00

Client Sample ID: 5R

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			04/04/18 00:45	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			04/04/18 00:45	1
Chloroform	ND		5.0	0.54	ug/L			04/04/18 00:45	1
1,1-Dichloroethane	2.7	J	5.0	0.59	ug/L			04/04/18 00:45	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			04/04/18 00:45	1
1,1-Dichloroethylene	11		5.0	0.85	ug/L			04/04/18 00:45	1
Methylene Chloride	ND		5.0	0.81	ug/L			04/04/18 00:45	1
Toluene	ND		5.0	0.45	ug/L			04/04/18 00:45	1
1,1,1-Trichloroethane	36		5.0	0.39	ug/L			04/04/18 00:45	1
1,4-Dioxane	ND		200	15	ug/L			04/04/18 00:45	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			04/04/18 00:45	1
Trichloroethylene	4.2	J	5.0	0.60	ug/L			04/04/18 00:45	1
Acetone	ND		25	2.0	ug/L			04/04/18 00:45	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			04/04/18 00:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		68 - 130					04/04/18 00:45	1
4-Bromofluorobenzene (Surr)	103		76 - 123					04/04/18 00:45	1
Toluene-d8 (Surr)	96		77 - 120					04/04/18 00:45	1
Dibromofluoromethane (Surr)	95		75 - 123					04/04/18 00:45	1
Method: 200.7 Rev 4.4 - Metals	(ICP)								
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		04/04/18 08:42	04/04/18 16:09	

ı	General Chemistry									
١	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total Dissolved Solids	387		10.0	4.0	mg/L			04/04/18 08:23	1
١	Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Total Suspended Solids	ND		4.0	4.0	mg/L			04/03/18 21:18	1
l	pH	7.3	HF	0.1	0.1	SU			04/03/18 10:54	1
l	Temperature	19.6	HF	0.001	0.001	Degrees C			04/03/18 10:54	1

4/10/2018

Client: New York State D.E.C. Project/Site: Mohonk Rd. #356023 TestAmerica Job ID: 480-133464-1

**Client Sample ID: COMBINED INFLUENT** 

Lab Sample ID: 480-133464-4

Date Collected: 04/02/18 10:05 Date Received: 04/03/18 01:00

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			04/04/18 01:09	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			04/04/18 01:09	1
Chloroform	ND		5.0	0.54	ug/L			04/04/18 01:09	1
1,1-Dichloroethane	12		5.0	0.59	ug/L			04/04/18 01:09	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			04/04/18 01:09	1
1,1-Dichloroethylene	15		5.0	0.85	ug/L			04/04/18 01:09	1
Methylene Chloride	ND		5.0	0.81	ug/L			04/04/18 01:09	1
Toluene	ND		5.0	0.45	ug/L			04/04/18 01:09	1
1,1,1-Trichloroethane	56		5.0	0.39	ug/L			04/04/18 01:09	1
1,4-Dioxane	ND		200	15	ug/L			04/04/18 01:09	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			04/04/18 01:09	1
Trichloroethylene	4.5	J	5.0	0.60	ug/L			04/04/18 01:09	1
Acetone	ND		25	2.0	ug/L			04/04/18 01:09	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			04/04/18 01:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		68 - 130					04/04/18 01:09	1
4-Bromofluorobenzene (Surr)	103		76 - 123					04/04/18 01:09	1
Toluene-d8 (Surr)	95		77 - 120					04/04/18 01:09	1
Dibromofluoromethane (Surr)	96		75 - 123					04/04/18 01:09	1
Method: 200.7 Rev 4.4 - Metals	s (ICP)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.028	J	0.050	0.019	mg/L		04/04/18 08:42	04/04/18 16:24	1

General Chemistry Analyte Total Dissolved Solids	Result 377	Qualifier	RL 10.0		Unit mg/L	D	Prepared	Analyzed 04/04/18 09:28	Dil Fac
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		4.0	4.0	mg/L			04/03/18 21:18	1
pH	7.3	HF	0.1	0.1	SU			04/03/18 10:57	1
Temperature	19.9	HF	0.001	0.001	Degrees C			04/03/18 10:57	1

Client: New York State D.E.C. TestAmerica Job ID: 480-133464-1 Project/Site: Mohonk Rd. #356023

**Client Sample ID: EFFLUENT** 

Analyte

Temperature

Total Suspended Solids

Lab Sample ID: 480-133464-5

Date Collected: 04/02/18 10:00 Matrix: Water Date Received: 04/03/18 01:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			04/04/18 01:33	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			04/04/18 01:33	1
Chloroform	ND		5.0	0.54	ug/L			04/04/18 01:33	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			04/04/18 01:33	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			04/04/18 01:33	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			04/04/18 01:33	1
Methylene Chloride	ND		5.0	0.81	ug/L			04/04/18 01:33	1
Toluene	ND		5.0	0.45	ug/L			04/04/18 01:33	1
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			04/04/18 01:33	1
1,4-Dioxane	ND		200	15	ug/L			04/04/18 01:33	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			04/04/18 01:33	1
Trichloroethylene	ND		5.0	0.60	ug/L			04/04/18 01:33	1
Acetone	ND		25	2.0	ug/L			04/04/18 01:33	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			04/04/18 01:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		68 - 130					04/04/18 01:33	1
4-Bromofluorobenzene (Surr)	103		76 - 123					04/04/18 01:33	1
Toluene-d8 (Surr)	97		77 - 120					04/04/18 01:33	1
Dibromofluoromethane (Surr)	95		75 - 123					04/04/18 01:33	1
- Method: 200.7 Rev 4.4 - Metals	s (ICP)								
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		04/04/18 08:42	04/04/18 16:27	1
General Chemistry									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	398		10.0	4.0	mg/L			04/04/18 09:28	

RL

4.0

0.1

0.001

RL Unit

4.0 mg/L

0.001 Degrees C

0.1 SU

Prepared

Analyzed

04/03/18 21:18 04/03/18 10:59

04/03/18 10:59

Dil Fac

Result Qualifier

8.2 HF

20.2 HF

ND

4/10/2018

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

TestAmerica Job ID: 480-133464-1

04/04/18 01:57

04/04/18 01:57

04/04/18 01:57

Lab Sample ID: 480-133464-6

**Matrix: Water** 

**Client Sample ID: BATCH TANK** 

Date Collected: 04/02/18 10:30 Date Received: 04/03/18 01:00

4-Bromofluorobenzene (Surr)

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		10	1.2	ug/L			04/04/18 01:57	2
Carbon tetrachloride	ND		10	1.0	ug/L			04/04/18 01:57	2
Chloroform	ND		10	1.1	ug/L			04/04/18 01:57	2
1,1-Dichloroethane	24		10	1.2	ug/L			04/04/18 01:57	2
1,2-Dichloroethane	ND		10	1.2	ug/L			04/04/18 01:57	2
1,1-Dichloroethylene	28		10	1.7	ug/L			04/04/18 01:57	2
Methylene Chloride	ND		10	1.6	ug/L			04/04/18 01:57	2
Toluene	ND		10	0.91	ug/L			04/04/18 01:57	2
1,1,1-Trichloroethane	110		10	0.77	ug/L			04/04/18 01:57	2
1,4-Dioxane	ND		400	30	ug/L			04/04/18 01:57	2
1,1,2-Trichloroethane	ND		10	0.96	ug/L			04/04/18 01:57	2
Trichloroethylene	8.3	J	10	1.2	ug/L			04/04/18 01:57	2
Acetone	ND		50	4.0	ug/L			04/04/18 01:57	2
1,2-Dichloroethene, Total	ND		20	6.4	ug/L			04/04/18 01:57	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		68 - 130			-		04/04/18 01:57	2

76 - 123

77 - 120

75 - 123

103

96

95

7

8

10

4

2

Client: New York State D.E.C. Project/Site: Mohonk Rd. #356023 TestAmerica Job ID: 480-133464-1

**Client Sample ID: AFTER BAG FILTERS** 

Date Collected: 04/02/18 10:35 Date Received: 04/03/18 01:00

Dibromofluoromethane (Surr)

Toluene-d8 (Surr)

Lab Sample ID: 480-133464-7

04/04/18 02:21

04/04/18 02:21

Matrix: Water

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		10	1.2	ug/L			04/04/18 02:21	2
Carbon tetrachloride	ND		10	1.0	ug/L			04/04/18 02:21	2
Chloroform	ND		10	1.1	ug/L			04/04/18 02:21	2
1,1-Dichloroethane	25		10	1.2	ug/L			04/04/18 02:21	2
1,2-Dichloroethane	ND		10	1.2	ug/L			04/04/18 02:21	2
1,1-Dichloroethylene	29		10	1.7	ug/L			04/04/18 02:21	2
Methylene Chloride	ND		10	1.6	ug/L			04/04/18 02:21	2
Toluene	ND		10	0.91	ug/L			04/04/18 02:21	2
1,1,1-Trichloroethane	110		10	0.77	ug/L			04/04/18 02:21	2
1,4-Dioxane	ND		400	30	ug/L			04/04/18 02:21	2
1,1,2-Trichloroethane	ND		10	0.96	ug/L			04/04/18 02:21	2
Trichloroethylene	8.9	J	10	1.2	ug/L			04/04/18 02:21	2
Acetone	6.3	J	50	4.0	ug/L			04/04/18 02:21	2
1,2-Dichloroethene, Total	ND		20	6.4	ug/L			04/04/18 02:21	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		68 - 130			-		04/04/18 02:21	2
4-Bromofluorobenzene (Surr)	103		76 - 123					04/04/18 02:21	2

77 - 120

75 - 123

97

96

2

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

Date Collected: 04/02/18 10:40

Date Received: 04/03/18 01:00

1,1,1-Trichloroethane

1,1,2-Trichloroethane

Toluene-d8 (Surr)

Dibromofluoromethane (Surr)

1,4-Dioxane

Client Sample ID: DISCHARGE PUMP DRAIN

TestAmerica Job ID: 480-133464-1

04/04/18 02:45 04/04/18 02:45

04/04/18 02:45

04/04/18 02:45

04/04/18 02:45

Lab Sample ID: 480-133464-8 **Matrix: Water** 

	5
ac	
1	
1	
1	
1	
1	
1	8
1	
1	9
1	
1	

Method: 624 - Volatile Organic Compounds (GC/MS) Result Qualifier MDL Unit Analyte RL D Prepared Analyzed Dil Fa Benzene ND 5.0 0.60 ug/L 04/04/18 02:45 ND 04/04/18 02:45 Carbon tetrachloride 5.0 0.51 ug/L Chloroform ND 5.0 0.54 ug/L 04/04/18 02:45 1,1-Dichloroethane ND 0.59 ug/L 04/04/18 02:45 5.0 1,2-Dichloroethane ND 5.0 0.60 ug/L 04/04/18 02:45 1,1-Dichloroethylene ND 5.0 0.85 ug/L 04/04/18 02:45 Methylene Chloride ND 5.0 0.81 ug/L 04/04/18 02:45 Toluene ND 5.0 0.45 ug/L 04/04/18 02:45

ND

ND

ND

95

94

Trichloroethylene	ND	5.0	0.60 ug/L		04/04/18 02:45	1
Acetone	3.5 J	25	2.0 ug/L		04/04/18 02:45	1
1,2-Dichloroethene, Total	ND	10	3.2 ug/L		04/04/18 02:45	1
Surrogate	%Recovery Qualifier	Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94	68 - 130			04/04/18 02:45	1
4-Bromofluorobenzene (Surr)	104	76 - 123			04/04/18 02:45	

77 - 120

75 - 123

5.0

200

5.0

0.39 ug/L

0.48 ug/L

15 ug/L

2

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

Lab Sample ID: 480-133464-1

Matrix: Water

Client Sample ID: 7R

Date Collected: 04/02/18 10:20 Date Received: 04/03/18 01:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	407010	04/03/18 23:57	RLB	TAL BUF
Total/NA	Prep	200.7			407089	04/04/18 08:42	JAK	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	407322	04/04/18 15:47	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	407106	04/04/18 08:23	EKB	TAL BUF
Total/NA	Analysis	SM 2540D		1	407047	04/03/18 21:18	CDC	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	406958	04/03/18 10:48	AED	TAL BUF

Client Sample ID: ERT-1 Lab Sample ID: 480-133464-2

Date Collected: 04/02/18 10:15
Date Received: 04/03/18 01:00
Matrix: Water

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624			407224	04/04/18 20:57	RLB	TAL BUF
Total/NA	Prep	200.7			407089	04/04/18 08:42	JAK	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	407322	04/04/18 16:05	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	407106	04/04/18 08:23	EKB	TAL BUF
Total/NA	Analysis	SM 2540D		1	407047	04/03/18 21:18	CDC	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	406958	04/03/18 10:51	AED	TAL BUF

Client Sample ID: 5R Lab Sample ID: 480-133464-3

Date Collected: 04/02/18 10:10

Date Received: 04/03/18 01:00

Matrix: Water

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	407010	04/04/18 00:45	RLB	TAL BUF
Total/NA	Prep	200.7			407089	04/04/18 08:42	JAK	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	407322	04/04/18 16:09	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	407106	04/04/18 08:23	EKB	TAL BUF
Total/NA	Analysis	SM 2540D		1	407047	04/03/18 21:18	CDC	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	406958	04/03/18 10:54	AED	TAL BUF

Client Sample ID: COMBINED INFLUENT Lab Sample ID: 480-133464-4

Date Collected: 04/02/18 10:05

Date Received: 04/03/18 01:00

Matrix: Water

Batch	Batch		Dilution	Batch	Prepared		
Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Analysis	624		1	407010	04/04/18 01:09	RLB	TAL BUF
Prep	200.7			407089	04/04/18 08:42	JAK	TAL BUF
Analysis	200.7 Rev 4.4		1	407322	04/04/18 16:24	LMH	TAL BUF
Analysis	SM 2540C		1	407117	04/04/18 09:28	EKB	TAL BUF
Analysis	SM 2540D		1	407047	04/03/18 21:18	CDC	TAL BUF
	Type Analysis Prep Analysis Analysis	Type         Method           Analysis         624           Prep         200.7           Analysis         200.7 Rev 4.4           Analysis         SM 2540C	Type         Method         Run           Analysis         624           Prep         200.7           Analysis         200.7 Rev 4.4           Analysis         SM 2540C	Type         Method         Run         Factor           Analysis         624         1           Prep         200.7         200.7 Rev 4.4         1           Analysis         SM 2540C         1	Type         Method         Run         Factor         Number           Analysis         624         1         407010           Prep         200.7         407089           Analysis         200.7 Rev 4.4         1         407322           Analysis         SM 2540C         1         407117	Type         Method         Run         Factor         Number         or Analyzed           Analysis         624         1         407010         04/04/18 01:09           Prep         200.7         407089         04/04/18 08:42           Analysis         200.7 Rev 4.4         1         407322         04/04/18 16:24           Analysis         SM 2540C         1         407117         04/04/18 09:28	Type         Method         Run         Factor         Number         or Analyzed         Analyst           Analysis         624         1         407010         04/04/18 01:09         RLB           Prep         200.7         407089         04/04/18 08:42         JAK           Analysis         200.7 Rev 4.4         1         407322         04/04/18 16:24         LMH           Analysis         SM 2540C         1         407117         04/04/18 09:28         EKB

TestAmerica Buffalo

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

**Client Sample ID: COMBINED INFLUENT** 

Lab Sample ID: 480-133464-4 Date Collected: 04/02/18 10:05

Matrix: Water

Date Received: 04/03/18 01:00

Batch Batch Dilution Batch Prepared Prep Type Туре Method Run Factor Number or Analyzed Analyst Lab Total/NA Analysis SM 4500 H+ B 406958 04/03/18 10:57 AED TAL BUF

**Client Sample ID: EFFLUENT** Lab Sample ID: 480-133464-5

Date Collected: 04/02/18 10:00 Matrix: Water

Date Received: 04/03/18 01:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624			407010	04/04/18 01:33	RLB	TAL BUF
Total/NA	Prep	200.7			407089	04/04/18 08:42	JAK	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	407322	04/04/18 16:27	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	407117	04/04/18 09:28	EKB	TAL BUF
Total/NA	Analysis	SM 2540D		1	407047	04/03/18 21:18	CDC	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	406958	04/03/18 10:59	AED	TAL BUF

**Client Sample ID: BATCH TANK** Lab Sample ID: 480-133464-6

Date Collected: 04/02/18 10:30 Matrix: Water

Date Received: 04/03/18 01:00

	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	624			407010	04/04/18 01:57	RLB	TAL BUF	_

**Client Sample ID: AFTER BAG FILTERS** Lab Sample ID: 480-133464-7

Date Collected: 04/02/18 10:35 Matrix: Water

Date Received: 04/03/18 01:00

	Batch	Batch		Dilution	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	624			407010	04/04/18 02:21	RI B	TAI BUF	

Client Sample ID: DISCHARGE PUMP DRAIN Lab Sample ID: 480-133464-8

Date Collected: 04/02/18 10:40

Date Received: 04/03/18 01:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	407010	04/04/18 02:45	RLB	TAL BUF

**Laboratory References:** 

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

Matrix: Water

## **Accreditation/Certification Summary**

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

TestAmerica Job ID: 480-133464-1

#### Laboratory: TestAmerica Buffalo

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

Authority	Program		EPA Region	Identification Number	<b>Expiration Date</b>
New York	NELAP		2	10026	03-31-18 *
The following analytes	are included in this report, bu	it accreditation/certifica	tion is not offered by th	e governing authority:	
				- 3	
Analysis Method	Prep Method	Matrix	Analyt	0 ,	
Analysis Method 624	Prep Method		Analyt	0 ,	
	Prep Method	Matrix	Analyt	e ,	

4

5

7

0

10

TestAmerica Buffalo

<sup>\*</sup> Accreditation/Certification renewal pending - accreditation/certification considered valid.

## **Method Summary**

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

TestAmerica Job ID: 480-133464-1

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

#### Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

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

#### Laboratory References:

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

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## **Sample Summary**

Matrix

Water

Water

Water

Water

Water

Water

Water

Water

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

Client Sample ID

COMBINED INFLUENT

AFTER BAG FILTERS

DISCHARGE PUMP DRAIN

7R

5R

ERT-1

**EFFLUENT** 

BATCH TANK

Lab Sample ID

480-133464-1

480-133464-2

480-133464-3

480-133464-4

480-133464-5

480-133464-6

480-133464-7

480-133464-8

TestAmerica Job ID: 480-133464-1

Collected	Received
04/02/18 10:20	04/03/18 01:00
04/02/18 10:15	04/03/18 01:00
04/02/18 10:10	04/03/18 01:00
04/02/18 10:05	04/03/18 01:00
04/02/18 10:00	04/03/18 01:00
04/02/18 10:30	04/03/18 01:00

04/02/18 10:35

04/02/18 10:40

J

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04/03/18 01:00 04/03/18 01:00

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# Chain of Custody Record

TestAmerica

480501-Albany

400: Amherst, NY 14228-2298 Phone (716) 691-2600 Fax (716) 691-7991

**TestAmerica Buffalo** 

10 Hazelwood Drive

S - H2SO4 T - TSP Dodecahydrate V - MCAA W - pH 4-5 Z - other (specify) Special Instructions/Note: Ver. 08/04/2016 N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 480-103112-15807.1 Preservation Codes G - Amchlor H - Ascorbic Acid 1430 D - Nitric Acid E - NaHSO4 F - MeOH Page: Page 1 of 1 Job #: J - DI Water K - EDTA L - EDA 4-2-18 mm Total Number of containers 3 Date/Time: 480-133464 COC Method of Shipment: Cooler Temperature(s) °C and Other Remarks: Analysis Request Special Instructions/QC Requirements Hd - +H 009+WS Return To Client ludy.stone@testamericainc.com 2540C\_Calcd - Total Dissolved Solids 2540D - Total Suspended Solids 624\_5ml - (MOD) Priority Pollutant List - VOA - 62 Lab PM: Stone, Judy L Perform MS/MSD (Yes or No) AZICAL E-Mail: BT=Tissue, A=Air) water water water (W=water, S=solid, O=waste/oil, Preservation Code: Water Water Water Water Water Matrix Radiological Type (C=comp, G=grab) Sample 0 1800 D 5 Sample 10201 1040 1000 0501 10/0 1005 1035 10/15 Date: Unknown TAT Requested (days): Due Date Requested: 4/2 PrieTime: 4-2-18 Date/Time: PO#: CallOut 121912 Sample Date Project #: 48005267 SSOW#: 1 1-2 Sempler. WO# Poison B Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify) Custody Seal No.: dain C:HOR Flammable Possible Hazard Identification DUMP Empty Kit Relinquished by: Custody Seals Intact: △ Yes △ No anh Aztech Technologies Inc atalbot@aztechenv.com 1289 Client Information Sample Identification Mohonk Rd. #356023 5 McCrea Hill Road 518-402-9813(Tel) Combined Influent Non-Hazard Discharge Andrew Talbot Batch City: Ballston Spa linquished by 4446 State, Zip: NY, 12020 Effluent ERT-1 SR

## **Login Sample Receipt Checklist**

Client: New York State D.E.C. Job Number: 480-133464-1

Login Number: 133464 List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

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

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THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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

TestAmerica Job ID: 480-135427-1

Client Project/Site: Mohonk Rd. #356023

#### For:

New York State D.E.C. 625 Broadway 12th Floor Albany, New York 12233-7017

Attn: Carl Hoffman

Authorized for release by: 5/17/2018 8:42:42 AM

Judy Stone, Senior Project Manager (484)685-0868

judy.stone@testamericainc.com

LINKS

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**Have a Question?** 



Visit us at: www.testamericainc.com

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

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

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

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

Judy Stone Senior Project Manager 5/17/2018 8:42:42 AM

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

TestAmerica Job ID: 480-135427-1

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## **Definitions/Glossary**

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

TestAmerica Job ID: 480-135427-1

#### **Qualifiers**

#### **GC/MS VOA**

Qualifier Qualifier Description

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)

TestAmerica Buffalo

Page 4 of 19

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#### **Case Narrative**

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

TestAmerica Job ID: 480-135427-1

Job ID: 480-135427-1

**Laboratory: TestAmerica Buffalo** 

**Narrative** 

Job Narrative 480-135427-1

#### Receipt

The samples were received on 5/5/2018 1:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was  $1.0^{\circ}$  C.

#### **GC/MS VOA**

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

#### Metals

Method(s) 200.7: The following samples for metals were received unpreserved and were preserved upon receipt at the laboratory: 7R (480-135427-1), ERT-1 (480-135427-2), 5R (480-135427-3), COMBINED INFLUENT (480-135427-4), EFFLUENT (480-135427-5), (480-135427-C-1 MS) and (480-135427-C-1 MSD). Regulatory documents require a 24-hour waiting period from the time of the addition of the acid preservative to the time of digestion. The samples were preserved 5/8/18 at 1516. The second pHcheck was performed 5/10/18 at 0735.

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

#### **General Chemistry**

Method(s) 9040C, SM 4500 H+ B: 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 (480-135427-1), ERT-1 (480-135427-2), 5R (480-135427-3), COMBINED INFLUENT (480-135427-4) and EFFLUENT (480-135427-5).

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

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

TestAmerica Job ID: 480-135427-1

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**Client Sample ID: 7R** 

**Temperature** 

Lab Sample ID: 480-135427-1

**Matrix: Water** 

Date Collected: 05/03/18 09:15 Date Received: 05/05/18 01:00

Method: 624 - Volatile Orga Analyte		ds (GC/MS Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			05/11/18 03:34	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/11/18 03:34	1
Chloroform	ND		5.0	0.54	ug/L			05/11/18 03:34	1
1,1-Dichloroethane	24		5.0	0.59	ug/L			05/11/18 03:34	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/11/18 03:34	1
1,1-Dichloroethylene	11		5.0	0.85	ug/L			05/11/18 03:34	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/11/18 03:34	1
Toluene	ND		5.0	0.45	ug/L			05/11/18 03:34	1
1,1,1-Trichloroethane	68		5.0	0.39	ug/L			05/11/18 03:34	1
1,4-Dioxane	ND		200	15	ug/L			05/11/18 03:34	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/11/18 03:34	1
Trichloroethylene	2.0	J	5.0	0.60	ug/L			05/11/18 03:34	1
Acetone	ND		25	2.0	ug/L			05/11/18 03:34	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/11/18 03:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		68 - 130					05/11/18 03:34	1
4-Bromofluorobenzene (Surr)	103		76 - 123					05/11/18 03:34	1
Toluene-d8 (Surr)	99		77 - 120					05/11/18 03:34	1
Dibromofluoromethane (Surr)	99		75 - 123					05/11/18 03:34	1
Method: 200.7 Rev 4.4 - Me	· ,								
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		05/10/18 08:37	05/11/18 03:55	1
General Chemistry									
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	418		10.0		mg/L			05/09/18 19:39	1
Total Suspended Solids	ND		4.0		mg/L			05/10/18 09:07	1
pH	7.3	HF	0.1	0.1	SU			05/08/18 22:47	1

0.001

0.001 Degrees C

21.1 HF

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

TestAmerica Job ID: 480-135427-1

2

Client Sample ID: ERT-1

**Temperature** 

Lab Sample ID: 480-135427-2

Matrix: Water

Date Collected: 05/03/18 09:00 Date Received: 05/05/18 01:00

Analyte	Result Qualifier RL MDL Unit D Prepared		Prepared	Analyzed	Dil Fac				
Benzene	ND		5.0	0.60	ug/L			05/11/18 03:58	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/11/18 03:58	
Chloroform	ND		5.0	0.54	ug/L			05/11/18 03:58	1
1,1-Dichloroethane	11		5.0	0.59	ug/L			05/11/18 03:58	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/11/18 03:58	1
1,1-Dichloroethylene	25		5.0	0.85	ug/L			05/11/18 03:58	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/11/18 03:58	1
Toluene	ND		5.0	0.45	ug/L			05/11/18 03:58	1
1,1,1-Trichloroethane	78		5.0	0.39	ug/L			05/11/18 03:58	1
1,4-Dioxane	ND		200	15	ug/L			05/11/18 03:58	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/11/18 03:58	1
Trichloroethylene	7.7		5.0	0.60	ug/L	05/11/18		05/11/18 03:58	1
Acetone	2.0	J	25	2.0	ug/L			05/11/18 03:58	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/11/18 03:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		68 - 130					05/11/18 03:58	1
4-Bromofluorobenzene (Surr)	102		76 - 123					05/11/18 03:58	1
Toluene-d8 (Surr)	100		77 - 120					05/11/18 03:58	1
Dibromofluoromethane (Surr)	97		75 - 123					05/11/18 03:58	1
Method: 200.7 Rev 4.4 - Me	etals (ICP)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		05/10/18 08:37	05/11/18 04:24	1
General Chemistry									
Analyte		Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	411		10.0		mg/L			05/09/18 19:39	
Total Suspended Solids	ND		4.0		U			05/10/18 09:07	1
pH	7.1	HF	0.1	0.1	SU			05/08/18 22:50	1

0.001

0.001 Degrees C

21.2 HF

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

TestAmerica Job ID: 480-135427-1

3

Client Sample ID: 5R

**Temperature** 

Lab Sample ID: 480-135427-3

**Matrix: Water** 

Date Collected: 05/03/18 08:45 Date Received: 05/05/18 01:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			05/11/18 04:22	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/11/18 04:22	1
Chloroform	ND		5.0	0.54	ug/L			05/11/18 04:22	1
1,1-Dichloroethane	1.9	J	5.0	0.59	ug/L			05/11/18 04:22	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/11/18 04:22	1
1,1-Dichloroethylene	8.3		5.0	0.85	ug/L			05/11/18 04:22	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/11/18 04:22	1
Toluene	ND		5.0	0.45	ug/L			05/11/18 04:22	1
1,1,1-Trichloroethane	32		5.0	0.39	ug/L			05/11/18 04:22	1
1,4-Dioxane	ND		200	15	ug/L			05/11/18 04:22	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/11/18 04:22	1
Trichloroethylene	3.3	J	5.0	0.60	ug/L			05/11/18 04:22	1
Acetone	ND		25	2.0	ug/L			05/11/18 04:22	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/11/18 04:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		68 - 130					05/11/18 04:22	1
4-Bromofluorobenzene (Surr)	103		76 - 123					05/11/18 04:22	1
Toluene-d8 (Surr)	99		77 - 120					05/11/18 04:22	1
Dibromofluoromethane (Surr)	97		75 - 123					05/11/18 04:22	1
- Method: 200.7 Rev 4.4 - Me	tals (ICP)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		05/10/18 08:37	05/11/18 04:27	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	391		10.0	10.0	mg/L			05/09/18 19:39	1
Total Suspended Solids	ND		4.0	4.0	mg/L			05/10/18 09:07	1
pH		HF	0.1		SU			05/08/18 22:53	1

0.001

21.4 HF

0.001 Degrees C

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

Date Collected: 05/03/18 08:30

Date Received: 05/05/18 01:00

Total Suspended Solids

**Temperature** 

рΗ

**Client Sample ID: COMBINED INFLUENT** 

TestAmerica Job ID: 480-135427-1

Lab Sample ID: 480-135427-4

**Matrix: Water** 

Method: 624 - Volatile Orga Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			05/11/18 04:46	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/11/18 04:46	1
Chloroform	ND		5.0	0.54	ug/L			05/11/18 04:46	1
1,1-Dichloroethane	12		5.0	0.59	ug/L			05/11/18 04:46	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/11/18 04:46	1
1,1-Dichloroethylene	15	<b>15</b> 5.0 0.85 ug/L		05/11/18 04:46	1				
Methylene Chloride	ND		5.0	0.81	ug/L			05/11/18 04:46	1
Toluene	ND		5.0	0.45	ug/L			05/11/18 04:46	1
1,1,1-Trichloroethane	61		5.0	0.39	ug/L			05/11/18 04:46	1
1,4-Dioxane	ND		200	15	ug/L			05/11/18 04:46	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/11/18 04:46	1
Trichloroethylene	4.5	J	5.0	0.60	ug/L			05/11/18 04:46	1
Acetone	3.4	J	25	2.0	ug/L			05/11/18 04:46	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/11/18 04:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		68 - 130					05/11/18 04:46	1
4-Bromofluorobenzene (Surr)	101		76 - 123					05/11/18 04:46	1
Toluene-d8 (Surr)	98		77 - 120					05/11/18 04:46	1
Dibromofluoromethane (Surr)	101		75 - 123					05/11/18 04:46	1
Method: 200.7 Rev 4.4 - Me	tals (ICP)								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		05/10/18 08:37	05/11/18 04:31	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	395		10.0	10.0	mg/L			05/09/18 19:39	

4.0

0.1

0.001

4.0 mg/L

0.001 Degrees C

0.1 SU

ND

7.3 HF

21.2 HF

05/10/18 09:07

05/08/18 22:57

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

TestAmerica Job ID: 480-135427-1

2

Client Sample ID: EFFLUENT

Lab Sample ID: 480-135427-5

**Matrix: Water** 

Date Collected: 05/03/18 08:20 Date Received: 05/05/18 01:00

**Total Suspended Solids** 

pН

**Temperature** 

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			05/11/18 05:10	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			05/11/18 05:10	1
Chloroform	ND		5.0	0.54	ug/L			05/11/18 05:10	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			05/11/18 05:10	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			05/11/18 05:10	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			05/11/18 05:10	1
Methylene Chloride	ND		5.0	0.81	ug/L			05/11/18 05:10	1
Toluene	ND		5.0	0.45	ug/L			05/11/18 05:10	1
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			05/11/18 05:10	1
1,4-Dioxane	ND		200	15	ug/L			05/11/18 05:10	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			05/11/18 05:10	1
Trichloroethylene	ND		5.0	0.60	ug/L			05/11/18 05:10	1
Acetone	2.7	J	25	2.0	ug/L			05/11/18 05:10	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			05/11/18 05:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		68 - 130					05/11/18 05:10	1
4-Bromofluorobenzene (Surr)	103		76 - 123					05/11/18 05:10	1
Toluene-d8 (Surr)	101		77 - 120					05/11/18 05:10	1
Dibromofluoromethane (Surr)	100		75 - 123					05/11/18 05:10	1
Method: 200.7 Rev 4.4 - Me	etals (ICP)								
Analyte		Qualifier	RL	MDL		D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		05/10/18 08:37	05/11/18 04:35	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	402		10.0	10.0	mg/L			05/09/18 19:39	1
									_

4.0

0.1

0.001

4.0 mg/L

0.001 Degrees C

0.1 SU

6.0

8.3 HF

21.1 HF

05/10/18 09:07

05/08/18 23:00

05/08/18 23:00

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

Client Sample ID: 7R

Lab Sample ID: 480-135427-1

**Matrix: Water** 

Date Collected: 05/03/18 09:15 Date Received: 05/05/18 01:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624			413742	05/11/18 03:34	RLB	TAL BUF
Total/NA	Prep	200.7			413450	05/10/18 08:37	KMP	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	413798	05/11/18 03:55	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	517831	05/09/18 19:39	LRW	TAL EDI
Total/NA	Analysis	SM 2540D		1	413548	05/10/18 09:07	CDC	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	413306	05/08/18 22:47	DSC	TAL BUF

**Client Sample ID: ERT-1** 

Lab Sample ID: 480-135427-2 Date Collected: 05/03/18 09:00

**Matrix: Water** 

Date Received: 05/05/18 01:00

Prep Type Total/NA	Batch Type Analysis	Batch Method 624	Run	Dilution Factor	Batch Number 413742	Prepared or Analyzed 05/11/18 03:58	Analyst RLB	Lab TAL BUF
Total/NA Total/NA	Prep	200.7 200.7 Rev 4.4		4		05/10/18 08:37 05/11/18 04:24		TAL BUF TAL BUF
Total/NA	Analysis Analysis	200.7 Rev 4.4 SM 2540C		1	517831	05/09/18 19:39		TAL EDI
Total/NA	Analysis	SM 2540D		1	413548	05/10/18 09:07	CDC	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	413306	05/08/18 22:50	DSC	TAL BUF

Client Sample ID: 5R Lab Sample ID: 480-135427-3

**Matrix: Water** 

Date Collected: 05/03/18 08:45 Date Received: 05/05/18 01:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	413742	05/11/18 04:22	RLB	TAL BUF
Total/NA	Prep	200.7			413450	05/10/18 08:37	KMP	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	413798	05/11/18 04:27	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	517831	05/09/18 19:39	LRW	TAL EDI
Total/NA	Analysis	SM 2540D		1	413548	05/10/18 09:07	CDC	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	413306	05/08/18 22:53	DSC	TAL BUF

**Client Sample ID: COMBINED INFLUENT** 

Lab Sample ID: 480-135427-4 Date Collected: 05/03/18 08:30 **Matrix: Water** 

Date Received: 05/05/18 01:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624			413742	05/11/18 04:46	RLB	TAL BUF
Total/NA	Prep	200.7			413450	05/10/18 08:37	KMP	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	413798	05/11/18 04:31	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	517831	05/09/18 19:39	LRW	TAL EDI
Total/NA	Analysis	SM 2540D		1	413548	05/10/18 09:07	CDC	TAL BUF

TestAmerica Buffalo

#### **Lab Chronicle**

Client: New York State D.E.C. Project/Site: Mohonk Rd. #356023 TestAmerica Job ID: 480-135427-1

**Client Sample ID: COMBINED INFLUENT** 

Date Collected: 05/03/18 08:30 Date Received: 05/05/18 01:00

Date Received: 05/05/18 01:00

Lab Sample ID: 480-135427-4 **Matrix: Water** 

ı		Batch	Batch		Dilution	Batch	Prepared		
	Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
	Total/NA	Analysis	SM 4500 H+ B		1	413306	05/08/18 22:57	DSC	TAL BUF

Lab Sample ID: 480-135427-5

**Client Sample ID: EFFLUENT** Date Collected: 05/03/18 08:20

**Matrix: Water** 

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	413742	05/11/18 05:10	RLB	TAL BUF
Total/NA	Prep	200.7			413450	05/10/18 08:37	KMP	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	413798	05/11/18 04:35	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	517831	05/09/18 19:39	LRW	TAL EDI
Total/NA	Analysis	SM 2540D		1	413548	05/10/18 09:07	CDC	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	413306	05/08/18 23:00	DSC	TAL BUF

#### **Laboratory References:**

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

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

## **Accreditation/Certification Summary**

Client: New York State D.E.C. TestAmerica Job ID: 480-135427-1 Project/Site: Mohonk Rd. #356023

#### **Laboratory: TestAmerica Buffalo**

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

uthority	Program		EPA Region	Identification Number	Expiration Date
lew York	NELAP		2	10026	03-31-18 *
The following analyte:	s are included in this repo	rt, but accreditation/	certification is not offe	ered by the governing auth	ority:
Analysis Method	Prep Method	Matrix	Analyt	е	
624		Water	1,4-Die	oxane	
SM 4500 H+ B		Water	pН		

#### **Laboratory: TestAmerica Edison**

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

Authority	Program	<b>EPA Region</b>	Identification Number	<b>Expiration Date</b>
New York	NELAP	2	11452	04-01-19

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<sup>\*</sup> Accreditation/Certification renewal pending - accreditation/certification considered valid.

## **Method Summary**

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

TestAmerica Job ID: 480-135427-1

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

#### **Protocol References:**

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

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

#### **Laboratory References:**

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600 TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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## **Sample Summary**

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

TestAmerica Job ID: 480-135427-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-135427-1	7R	Water	05/03/18 09:15	05/05/18 01:00
480-135427-2	ERT-1	Water	05/03/18 09:00	05/05/18 01:00
480-135427-3	5R	Water	05/03/18 08:45	05/05/18 01:00
480-135427-4	COMBINED INFLUENT	Water	05/03/18 08:30	05/05/18 01:00
480-135427-5	EFFLUENT	Water	05/03/18 08:20	05/05/18 01:00

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Chain of Custody Record

**TestAmerica** 

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

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	17   18   19   19   19   19   19   19   19	Client Information	An	LONGel	Stone,	Judy L				480-103113	3-15807.1
10   10   10   10   10   10   10   10	10   10   10   10   10   10   10   10	Client Contact: Andrew Talbot	24815	305	/	one@test	americain	c.com	480-135427 COC	Page: Page 1 of 1	
10   10   10   10   10   10   10   10	10   10   10   10   10   10   10   10	Company:			-			:	1	Job #:	
18   18   18   18   18   18   18   18	10   10   10   10   10   10   10   10	Aztech Technologies Inc							quested		
10   10   10   10   10   10   10   10	Street   S	Address: 5 McCrea Hill Road	Due Date Requested:							Preservation	
13/Teg)	1918   1918	City. Ballston Spa	TAT Requested (days):				-			B - NaOH C - Zn Acetate	
13(Te)   1	13/19    1	State, Zip: NY, 12020	T				89 - AC			D - Nitric Acid E - NaHSO4	
10   10   10   10   10   10   10   10	100   100	Phone: 518-402-9813(Tel)	PO#: CallOut 121912				)V - Jei.	st		G - Amchlor	
Sample   Date   Water   Sample   Sample   Water   Sample   Sam	Sample Date	Email: stathor@aztechenv.com	WO#:		OV 10	-	-	oilos b			
Onk Rd #359023  Sample Pale  Sample Pale  The Cargada Influent Therefore The Matrix of Annia Sample Pale  The Cargada Influent Sample Pale  Th	Sample Date   Sample   Sampl	Project Name:	Project #:		Se)	-	_	oevic		THE REAL PROPERTY.	W - pH 4-5
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Sample Date Time Graph   Native Continue and Date   Native Continue and Dat	Sample Date  Sample (Cocone) S	Site;	SSOW#:		ams		-			CONTRACTOR OF THE PARTY OF THE	
Sample Date   Time   Graph   Instruction   Sample Date   Time   Graph   Instruction   Sample Date   Time   Graph   Instruction   Sample Date   Time   Sample Date   Time	Sample Date   Time   Gragate)   Entrewal   Elegan   Entrewal   Elegan   E					MS/M ms/M					
Signature   Sign	State   Skin intent   Poison B   Unknown   Paddiogical   Special Instructional Company   Time   Paddiogical   Special Instructional Company   Time   Paddiogical   Paddi	Sample Identification	1	G=grab)	( )	A	79	07			ial Instructions/Note:
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A S 18 820 C Water X X X X X X X X X X X X X X X X X X X	The state of the s	Combined Influent	83	_	Water	×	X	X			
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Sample Disposal (A fee may be assessed if samples are retained longer than 1 manable   Skin Irritant   Poison B   Unknown   Radiological   Special Instructions/QC Requirements:   Special Instructions/QC Requirements:   Special Instructions/QC Requirements:   Archive For   Archive For   Itims:   Time:   Special Instructions/QC Requirements:   Special Instructions	Sample Disposal (A fee may be assessed if samples are retained longer than 1 in assessed if samples are retained longer than 1 in and both the same poison B Unknown	V									
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nquished by:         Date:         Time:         Method of Shipment:           Date/Time:         5.3 cmpany         Recorded by         S-4-18 or 700           Date/Time:         Date/Time:         Date/Time:         Date/Time:           A No.         Cooler Temperature(s) "C and Other Remarks:         Date/Time:	Inquished by:         Date:         Time:         Date/Time:         Date/Time:         Company         Recorded by:         Method of Shipment:           And the company of the state of the s	Deliver able 1 characters 1, 11, 11, 12, care (specify)							.		
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10 Hazelwood Drive Amherst, NY 14228-2298 Phone (716) 691-2600 Fax (716) 691-7991

# **Chain of Custody Record**

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		THE LEADER IN ENVIRONMENTAL TESTING
ab PM:	Carrier Tracking No(s):	COC No:
Mone hidy i		180.450354

Client Information (Sub Contract Lab)  Client Contact: Phone: Shipping/Receiving  Company:				Stone, Judy L E-Mail: judy.stone@te	Judy L			Sta	State of Origin:			480-42032.1 Page:		
	<u>,</u>			judy.st	in a toots			0	TION OF THE			rage:		
Company:					near Mail	judy.stone@testamericainc.com	om	Z :	New York			Page 1 of 1		_
TestAmerica Laboratories, Inc.				Z Þ	Accreditations Required NELAP - New York	Accreditations Required (See note): NELAP - New York	e note):					Job #: 480-135427-1		
Address: Due I 777 New Durham Road, , 5/30.	Due Date Requested: 5/30/2018					4	Analysis	s Requested	sted			Preservation Codes:	odes:	
City: TATE	TAT Requested (days):	9.		. v <u>e</u> -#							125	B - NaOH C - Zn Acetate	M - Hexane N - None O - AsNaO2	
State, Zip: NJ, 08817				ى ئىلىنىڭ ئىلىنى					-			D - Nitric Acid	P - Na204S Q - Na2SO3	
Phone: PO #. 732-549-3679(Fax)				ol os							3-14. T	G - Amchlor H - Ascorbic Acid	S - H2SO4  T - TSP Dodecahydrate	drate
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5R (480-135427-3)	5/3/18	08:45 Eastern		Water	×						-27. ° 6	\$ 5.V4		
COMBINED INFLUENT (480-135427-4)	5/3/18	08:30 Eastern		Water	×									
EFFLUENT (480-135427-5)	5/3/18	08:20 Eastern		Water	×						1	***		
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Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.	inc. places the ov rix being analyzed ate, return the sign	wnership of meth d, the samples med Chain of Cu	hod, analyte & nust be shippe ıstody attesting	accreditation of back to the said comp	compliance understance of the compliance of the complex control of the contro	pon out subc aboratory or a stAmerica Lai	ontract labor other instruct ooratories, Ir	atories. This tions will be a tion.	sample ship provided. An	oment is forv	varded un o accredit	der chain-of-custody ation status should t	y. If the laboratory doe: be brought to TestAmei	es not enica
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# **Login Sample Receipt Checklist**

Client: New York State D.E.C. Job Number: 480-135427-1

Login Number: 135427 List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

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

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Client: New York State D.E.C.

Job Number: 480-135427-1

Login Number: 135427

List Number: 2

Creator: Armbruster, Chris

List Source: TestAmerica Edison List Creation: 05/08/18 10:25 AM

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	1.8°C IR11
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	



THE LEADER IN ENVIRONMENTAL TESTING

# ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

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

TestAmerica Job ID: 480-137179-1

Client Project/Site: Mohonk Rd. #356023

### For:

New York State D.E.C. 625 Broadway 12th Floor Albany, New York 12233-7017

Daily & Hoffman

Attn: Carl Hoffman

Authorized for release by: 6/23/2018 9:43:03 AM

Sally Hoffman, Project Management Assistant I (716)504-9839

sally.hoffman@testamericainc.com

Designee for

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

Review your project

results through

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Have a Question?



**Visit us at:** www.testamericainc.com

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

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

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

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.

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Sally of Hoffmen

Sally Hoffman

Project Management Assistant I

6/23/2018 9:43:03 AM

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

TestAmerica Job ID: 480-137179-1

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# **Definitions/Glossary**

Client: New York State D.E.C. Project/Site: Mohonk Rd. #356023 TestAmerica Job ID: 480-137179-1

### **Qualifiers**

# **GC/MS VOA**

Qualifier **Qualifier Description** 

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)

Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML Not Calculated NC

NDNot Detected at the reporting limit (or MDL or EDL if shown)

PQL Practical Quantitation Limit

QC **Quality Control** 

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) Toxicity Equivalent Quotient (Dioxin) **TEQ** 

# **Case Narrative**

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

TestAmerica Job ID: 480-137179-1

Job ID: 480-137179-1

**Laboratory: TestAmerica Buffalo** 

**Narrative** 

Job Narrative 480-137179-1

### Receipt

The samples were received on  $6/9/2018\ 1:00\ AM$ ; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was  $0.2^{\circ}\ C$ .

### **GC/MS VOA**

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

### Metals

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

### **General Chemistry**

Method(s) 9040B, 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: 7R (480-137179-1), ERT-1 (480-137179-2), 5R (480-137179-3), COMBINED INFLUENT (480-137179-4) and EFFLUENT (480-137179-5).

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

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

TestAmerica Job ID: 480-137179-1

Lab Sample ID: 480-137179-1

Matrix: Water

Client Sample ID: 7R Date Collected: 06/08/18 10:00

рΗ

**Temperature** 

Date Received: 06/09/18 01:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			06/11/18 19:31	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			06/11/18 19:31	1
Chloroform	ND		5.0	0.54	ug/L			06/11/18 19:31	1
1,1-Dichloroethane	27		5.0	0.59	ug/L			06/11/18 19:31	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			06/11/18 19:31	1
1,1-Dichloroethylene	11		5.0	0.85	ug/L			06/11/18 19:31	1
Methylene Chloride	ND		5.0	0.81	ug/L			06/11/18 19:31	1
Toluene	ND		5.0	0.45	ug/L			06/11/18 19:31	1
1,1,1-Trichloroethane	70		5.0	0.39	ug/L			06/11/18 19:31	1
1,4-Dioxane	ND		200	15	ug/L			06/11/18 19:31	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			06/11/18 19:31	1
Trichloroethylene	1.3	J	5.0	0.60	ug/L			06/11/18 19:31	1
Acetone	ND		25	2.0	ug/L			06/11/18 19:31	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			06/11/18 19:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		68 - 130					06/11/18 19:31	1
4-Bromofluorobenzene (Surr)	97		76 - 123					06/11/18 19:31	1
Toluene-d8 (Surr)	95		77 - 120					06/11/18 19:31	1
Dibromofluoromethane (Surr)	100		75 - 123					06/11/18 19:31	1
Method: 200.7 Rev 4.4 - Metals	(ICP)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	0.14		0.050	0.019	mg/L		06/13/18 13:01	06/13/18 22:53	1
General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	468		10.0	10.0	mg/L			06/15/18 09:58	1
Total Suspended Solids	ND		4.0	4.0	mg/L			06/14/18 18:01	1

0.1

0.001

0.1 SU

0.001 Degrees C

7.5 HF

20.0 HF

06/13/18 14:11

06/13/18 14:11

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Client: New York State D.E.C. Project/Site: Mohonk Rd. #356023 TestAmerica Job ID: 480-137179-1

**Client Sample ID: ERT-1** 

Lab Sample ID: 480-137179-2

06/13/18 13:01 06/13/18 23:22

Matrix: Water

Date Collected: 00	6/08/18 10:05
Date Received: 06	6/09/18 01:00

Iron

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			06/11/18 19:54	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			06/11/18 19:54	1
Chloroform	ND		5.0	0.54	ug/L			06/11/18 19:54	1
1,1-Dichloroethane	11		5.0	0.59	ug/L			06/11/18 19:54	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			06/11/18 19:54	1
1,1-Dichloroethylene	23		5.0	0.85	ug/L			06/11/18 19:54	1
Methylene Chloride	ND		5.0	0.81	ug/L			06/11/18 19:54	1
Toluene	ND		5.0	0.45	ug/L			06/11/18 19:54	1
1,1,1-Trichloroethane	71		5.0	0.39	ug/L			06/11/18 19:54	1
1,4-Dioxane	ND		200	15	ug/L			06/11/18 19:54	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			06/11/18 19:54	1
Trichloroethylene	7.1		5.0	0.60	ug/L			06/11/18 19:54	1
Acetone	2.0	J	25	2.0	ug/L			06/11/18 19:54	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			06/11/18 19:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		68 - 130			-		06/11/18 19:54	1
4-Bromofluorobenzene (Surr)	98		76 - 123					06/11/18 19:54	1
Toluene-d8 (Surr)	96		77 - 120					06/11/18 19:54	1
Dibromofluoromethane (Surr)	95		75 - 123					06/11/18 19:54	1
Method: 200.7 Rev 4.4 - Metals	s (ICP)								
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	431		10.0	10.0	mg/L			06/15/18 09:58	1
Total Suspended Solids	ND		4.0	4.0	mg/L			06/14/18 18:01	1
pH	7.2	HF	0.1	0.1	SU			06/13/18 14:13	1
Temperature	19.9	HF	0.001	0.001	Degrees C			06/13/18 14:13	1

0.050

0.019 mg/L

ND

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

TestAmerica Job ID: 480-137179-1

Client Sample ID: 5R

Lab Sample ID: 480-137179-3

Matrix: Water

Date Collected: 06/08/18 10:10 Date Received: 06/09/18 01:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			06/11/18 20:19	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			06/11/18 20:19	1
Chloroform	ND		5.0	0.54	ug/L			06/11/18 20:19	1
1,1-Dichloroethane	1.8	J	5.0	0.59	ug/L			06/11/18 20:19	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			06/11/18 20:19	1
1,1-Dichloroethylene	6.7		5.0	0.85	ug/L			06/11/18 20:19	1
Methylene Chloride	ND		5.0	0.81	ug/L			06/11/18 20:19	1
Toluene	ND		5.0	0.45	ug/L			06/11/18 20:19	1
1,1,1-Trichloroethane	19		5.0	0.39	ug/L			06/11/18 20:19	1
1,4-Dioxane	ND		200	15	ug/L			06/11/18 20:19	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			06/11/18 20:19	1
Trichloroethylene	3.7	J	5.0	0.60	ug/L			06/11/18 20:19	1
Acetone	ND		25	2.0	ug/L			06/11/18 20:19	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			06/11/18 20:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105	68 - 130		06/11/18 20:19	1
4-Bromofluorobenzene (Surr)	94	76 - 123		06/11/18 20:19	1
Toluene-d8 (Surr)	93	77 - 120		06/11/18 20:19	1
Dibromofluoromethane (Surr)	97	75 - 123		06/11/18 20:19	1

Method: 200.7 Rev 4.4 - Metals (IC	<b>P</b> )								
Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		06/13/18 13:01	06/13/18 23:25	1

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	608		20.0	20.0	mg/L			06/15/18 09:58	1
Total Suspended Solids	ND		4.0	4.0	mg/L			06/14/18 18:01	1
pH	7.6	HF	0.1	0.1	SU			06/13/18 14:16	1
Temperature	20.1	HF	0.001	0.001	Degrees C			06/13/18 14:16	1

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

TestAmerica Job ID: 480-137179-1

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**Client Sample ID: COMBINED INFLUENT** 

Lab Sample ID: 480-137179-4

Matrix: Water

Date Collected: 06/08/18 10:15 Date Received: 06/09/18 01:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			06/11/18 20:42	
Carbon tetrachloride	ND		5.0	0.51	ug/L			06/11/18 20:42	•
Chloroform	ND		5.0	0.54	ug/L			06/11/18 20:42	1
1,1-Dichloroethane	13		5.0	0.59	ug/L			06/11/18 20:42	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			06/11/18 20:42	1
1,1-Dichloroethylene	13		5.0	0.85	ug/L			06/11/18 20:42	1
Methylene Chloride	ND		5.0	0.81	ug/L			06/11/18 20:42	1
Toluene	ND		5.0	0.45	ug/L			06/11/18 20:42	1
1,1,1-Trichloroethane	51		5.0	0.39	ug/L			06/11/18 20:42	1
1,4-Dioxane	ND		200	15	ug/L			06/11/18 20:42	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			06/11/18 20:42	1
Trichloroethylene	4.0	J	5.0	0.60	ug/L			06/11/18 20:42	1
Acetone	ND		25	2.0	ug/L			06/11/18 20:42	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			06/11/18 20:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		68 - 130					06/11/18 20:42	1
4-Bromofluorobenzene (Surr)	97		76 - 123					06/11/18 20:42	1
Toluene-d8 (Surr)	96		77 - 120					06/11/18 20:42	1
Dibromofluoromethane (Surr)	97		75 - 123					06/11/18 20:42	1
- Method: 200.7 Rev 4.4 - Metals	s (ICP)								
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		06/13/18 13:01	06/13/18 23:29	1
General Chemistry									
Analyte	Result	Qualifier	RI	RI	Unit	D	Prepared	Analyzed	Dil Fac

General Chemistry Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	495		10.0	10.0	mg/L			06/15/18 09:58	1
Total Suspended Solids	ND		4.0	4.0	mg/L			06/14/18 18:01	1
pH	7.5	HF	0.1	0.1	SU			06/13/18 14:20	1
Temperature	20.6	HF	0.001	0.001	Degrees C			06/13/18 14:20	1

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

TestAmerica Job ID: 480-137179-1

Client Sample ID: EFFLUENT

Lab Sample ID: 480-137179-5

Matrix: Water

Date Collected: 06/08/18 10:20 Date Received: 06/09/18 01:00

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0	0.60	ug/L			06/11/18 21:06	1
Carbon tetrachloride	ND		5.0	0.51	ug/L			06/11/18 21:06	1
Chloroform	ND		5.0	0.54	ug/L			06/11/18 21:06	1
1,1-Dichloroethane	ND		5.0	0.59	ug/L			06/11/18 21:06	1
1,2-Dichloroethane	ND		5.0	0.60	ug/L			06/11/18 21:06	1
1,1-Dichloroethylene	ND		5.0	0.85	ug/L			06/11/18 21:06	1
Methylene Chloride	ND		5.0	0.81	ug/L			06/11/18 21:06	1
Toluene	ND		5.0	0.45	ug/L			06/11/18 21:06	1
1,1,1-Trichloroethane	ND		5.0	0.39	ug/L			06/11/18 21:06	1
1,4-Dioxane	ND		200	15	ug/L			06/11/18 21:06	1
1,1,2-Trichloroethane	ND		5.0	0.48	ug/L			06/11/18 21:06	1
Trichloroethylene	ND		5.0	0.60	ug/L			06/11/18 21:06	1
Acetone	3.9	J	25	2.0	ug/L			06/11/18 21:06	1
1,2-Dichloroethene, Total	ND		10	3.2	ug/L			06/11/18 21:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		68 - 130					06/11/18 21:06	1
4-Bromofluorobenzene (Surr)	97		76 - 123					06/11/18 21:06	1
Toluene-d8 (Surr)	96		77 - 120					06/11/18 21:06	1
Dibromofluoromethane (Surr)	96		75 - 123					06/11/18 21:06	1
- Method: 200.7 Rev 4.4 - Metals	s (ICP)								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	ND		0.050	0.019	mg/L		06/13/18 13:01	06/13/18 23:33	1

General Chemistry									
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	493		10.0	10.0	mg/L			06/15/18 09:58	1
Total Suspended Solids	ND		4.0	4.0	mg/L			06/14/18 18:01	1
pH	8.2	HF	0.1	0.1	SU			06/13/18 14:22	1
Temperature	20.7	HF	0.001	0.001	Degrees C			06/13/18 14:22	1

TestAmerica Buffalo

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

Lab Sample ID: 480-137179-1

Matrix: Water

Date Collected: 06/08/18 10:00 Date Received: 06/09/18 01:00

Client Sample ID: 7R

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	419015	06/11/18 19:31	RLB	TAL BUF
Total/NA	Prep	200.7			419210	06/13/18 13:01	KMP	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	419558	06/13/18 22:53	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	528126	06/15/18 09:58	PLS	TAL EDI
Total/NA	Analysis	SM 2540D		1	419694	06/14/18 18:01	MAB	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	419451	06/13/18 14:11	JAH	TAL BUF

**Client Sample ID: ERT-1** Lab Sample ID: 480-137179-2

Date Collected: 06/08/18 10:05 Matrix: Water Date Received: 06/09/18 01:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	419015	06/11/18 19:54	RLB	TAL BUF
Total/NA	Prep	200.7			419210	06/13/18 13:01	KMP	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	419558	06/13/18 23:22	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	528126	06/15/18 09:58	PLS	TAL EDI
Total/NA	Analysis	SM 2540D		1	419694	06/14/18 18:01	MAB	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	419451	06/13/18 14:13	JAH	TAL BUF

Client Sample ID: 5R Lab Sample ID: 480-137179-3

Date Collected: 06/08/18 10:10 **Matrix: Water** Date Received: 06/09/18 01:00

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624		1	419015	06/11/18 20:19	RLB	TAL BUF
Total/NA	Prep	200.7			419210	06/13/18 13:01	KMP	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	419558	06/13/18 23:25	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	528126	06/15/18 09:58	PLS	TAL EDI
Total/NA	Analysis	SM 2540D		1	419694	06/14/18 18:01	MAB	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	419451	06/13/18 14:16	JAH	TAL BUF

**Client Sample ID: COMBINED INFLUENT** Lab Sample ID: 480-137179-4

Date Collected: 06/08/18 10:15 **Matrix: Water** Date Received: 06/09/18 01:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624			419015	06/11/18 20:42	RLB	TAL BUF
Total/NA	Prep	200.7			419210	06/13/18 13:01	KMP	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	419558	06/13/18 23:29	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	528126	06/15/18 09:58	PLS	TAL EDI
Total/NA	Analysis	SM 2540D		1	419694	06/14/18 18:01	MAB	TAL BUF

TestAmerica Buffalo

# **Lab Chronicle**

Client: New York State D.E.C. Project/Site: Mohonk Rd. #356023 TestAmerica Job ID: 480-137179-1

# **Client Sample ID: COMBINED INFLUENT**

Lab Sample ID: 480-137179-4 Date Collected: 06/08/18 10:15 Matrix: Water

Date Received: 06/09/18 01:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 H+ B		1	419451	06/13/18 14:20	JAH	TAL BUF

**Client Sample ID: EFFLUENT** Lab Sample ID: 480-137179-5

Date Collected: 06/08/18 10:20 Matrix: Water

Date Received: 06/09/18 01:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	624			419015	06/11/18 21:06	RLB	TAL BUF
Total/NA	Prep	200.7			419210	06/13/18 13:01	KMP	TAL BUF
Total/NA	Analysis	200.7 Rev 4.4		1	419558	06/13/18 23:33	LMH	TAL BUF
Total/NA	Analysis	SM 2540C		1	528126	06/15/18 09:58	PLS	TAL EDI
Total/NA	Analysis	SM 2540D		1	419694	06/14/18 18:01	MAB	TAL BUF
Total/NA	Analysis	SM 4500 H+ B		1	419451	06/13/18 14:22	JAH	TAL BUF

### **Laboratory References:**

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

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

# **Accreditation/Certification Summary**

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

TestAmerica Job ID: 480-137179-1

# Laboratory: TestAmerica Buffalo

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

uthority	Program		EPA Region	Identification Number	Expiration Date
ew York	NELAP		2	10026	03-31-18 *
The following analytes a	re included in this report, but	accreditation/certifica	tion is not offered by th	e governing authority:	
Analysis Method	Prep Method	Matrix	Analyt	e	
624		Water	1,4-Di	oxane	
SM 4500 H+ B		Water	pН		

# Laboratory: TestAmerica Edison

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

Authority	Program	EPA Region	Identification Number	<b>Expiration Date</b>
New York	NELAP	2	11452	04-01-19

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TestAmerica Buffalo

<sup>\*</sup> Accreditation/Certification renewal pending - accreditation/certification considered valid.

# **Method Summary**

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

TestAmerica Job ID: 480-137179-1

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

### **Protocol References:**

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

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

### Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600 TAL EDI = TestAmerica Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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# **Sample Summary**

Matrix

Water

Water

Water

Water

Water

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

Client Sample ID

COMBINED INFLUENT

7R

5R

ERT-1

**EFFLUENT** 

Lab Sample ID

480-137179-1

480-137179-2

480-137179-3

480-137179-4

480-137179-5

TestAmerica Job ID: 480-137179-1

Collected	Received
06/08/18 10:00	06/09/18 01:00
06/08/18 10:05	06/09/18 01:00
6/08/18 10:10	06/09/18 01:00

06/08/18 10:15

06/08/18 10:20

3

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06/09/18 01:00

06/09/18 01:00

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480501-Albany

TestAmerica Buffalo

Amherst, NY 14228-2298

10 Hazelwood Drive

TestAmerica

T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Special Instructions/Note: Ver: 08/04/201 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mont COC No: 480-108473-15807.1 Preservation Codes: 430 H - Ascorbic Acid A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor 0/00 Page: J - DI Water 8-18-18 Total Number of containers Analysis Requested lethod of Shipment ooler Temperature(s) °C and Other Remarks Special Instructions/QC Requirements Lab PM: Stone, Judy L E-Mail: judy, stone@testamericainc.com Hd - +H 009+WS Return To Client X SAOC\_Calcd - Total Dissolved Solids spiloS bebneqsuS IstoT - Q0482 24\_5ml - (MOD) Priority Pollutant List - VOA - 62 Perform MS/MSD (Yes or No) Field Filtered Sample (Yes or No) BT=Tissue, A=Air (W=water, S=solid, O=waste/oil, Preservation Code Water Water Water Water Water Radiological Grah 10:20 Bab G=grab) 10:05/6rcb 10:10 Gra Sample (C=comp, 10:15 Coccu Type 800 Donotto 4:3 00.0 4-8-18 270 Sample Time Unknown TAT Requested (days): 8-8-9 Due Date Requested: CallOut 121912 Sample Date Project #: 48005267 SSOW#: 30 18/9 Poison B Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify Custody Seal No. Phone (716) 691-2600 Fax (716) 691-7991 Flammable Possible Hazard Identification mpty Kit Relinquished by: Custody Seals Intact: Aztech Technologies Inc atalbot@aztechenv.com Client Information Sample Identification Project Name: Mohonk Rd. #356023 Non-Hazard 5 McCrea Hill Road 518-402-9813(Tel) Combined Influent Andrew Talbot Ballston Spa State, Zip NY, 12020 Effluent ERT-1 5

TestAmerica Buffalo

# **Chain of Custody Record**

Client Information (Sub Contract Lab) Client Contact: Shipping/Receiving Company: TestAmerica Laboratories, Inc.	Sampler: Phone:			Lab PM: Stone, E-Mail: judy.sto		stamen	rainc co		C	Carrier Tracking No(s):	g No(s):		COC No:	COC No:	TWO TANK	OC No:
ion (Sub Contract Lab) atories, Inc.	none:			Ston E-Mai	s, Judy L	estameri	aino noie			ner Irackir	g No(s).		480	42812.1		
atories, Inc.	none:			E-Mai judy.	stone@te	stameri	ainc cor									
atories, Inc.							2110.00	3	<u>N</u> St	State of Origin: New York			Page: Page	Page: Page 1 of 1		
					NELAP - New York	ccreditations Required (See note): IELAP - New York	ed (See no	ote):					Job #	Job #: 480-137179-1		
w Durham Road,	Due Date Requested: 7/4/2018	#     		i			Ą	Analysis	Requested	sted			Pres	Preservation Cod		
	TAT Requested (days):	'5):			1 6 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			-					B - NaOH	aOH Acetate	N - None	OC BUS BUS BUS
State, Zip: NJ, 08817										_			m o	D - Nitric Acid E - NaHSO4	P - Na2O4S Q - Na2SO3	04S SO3
300(Tel) 732-549-3679(Fax)	PO #				)								- G Π > > ≤	F - MeOH G - Amchior	S - H2S	R - Na2S2O3 S - H2SO4
	# OW								-					Water	U - Acetone V - MCAA	tone
Project Name:  Mohonk Rd #356023	Project #: 48005267				_									L-EDA	W - pH	W - pH 4-5 Z - other (specify)
	SSOW#:												Other	• •		
			<u>'</u>	Matrix									Der o			
		Sample	Type	(W=water, S=solid,	d Filter form M			-		·			il Num			
Sample Identification - Client ID (Lab ID)	Sample Date	У_	G=grab)   B	BT=Tissue, A#Air)	74.5	204		_				•	Ţot	Special Ir	nstructic	Special Instructions/Note:
The state of the s		X	Preservation Code:	on Code;	X		新され	で、後	子 (4)		^	100	X	V	The late of the late of	
7R (480-137179-1)	6/8/18	Eastern		Water		×							<b>~</b> 4			
ERT-1 (480-137179-2)	6/8/18	10:05 Eastern		Water		×							1.			
5R (480-137179-3)	6/8/18	10:10 Eastern		Water		×							7.			
COMBINED INFLUENT (480-137179-4)	6/8/18	10:15 Eastern		Water		×							_ <b>_</b>			
EFFLUENT (480-137179-5)	6/8/18	10:20 Eastern		Water		×							. <u></u>			
													7.7			
													<u>.</u>			
Note: Since laboratory accreditations are subject to change. Test/merica Laboratories, inc, places the ownership of method, analyte & accreditation compliance upoh out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Test/merica laboratorios will be provided. Any changes to accreditation status should be brought to Test/merica currently maintain accreditation; if all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Test/merica Laboratories, inc.	es, Inc. places the o natrix being analyze o date, return the sig	ownership of me ed, the samples gned Chain of C	ethod, analyte must be ship Custody attesti	& accreditation bed back to the ng to said con	n complian 9 TestAmer 1plicance to	ce upon ou ica laborat TestAmer	It subcontr tory or other rica Labora	act labora er instructi etories, Inc	tories. Thi ons will be	s sample sh provided. /	ipment is Vny chang	orwarded	under cha ditation st	in-of-custody. atus should be	. If the labore brought to	pratory does r to TestAmeric
Possible Hazard Identification					Samı	Sample Disposal ( A	osal (A	fee ma)	⊜ ass	fee may be assessed if samples	amples	□ are reta	tained long	are retained longer than 1	3	
tequested: 1, II, III, IV, Other (specify)	Primary Deliverable Rank:	ble Rank: 1			Spec	Special Instructions/Q	ctions/Q	C Requi	C Requirements:	,						
inquished by:		Date:			Time:					Method	Method of Shipment:	i ii				
Church How	Date/Time:	118	100	Som Som		Received by:		7		REPS/		1	X	Spa	Company	% 
	Care tilla			Company	7	Neceived by:	• '				Date/Ime	ne:		,	Compai	ny
Relinquished by:	Date/Time:		0	Company	Œ	Received by:	••				Date/Time:	6:			Company	ny
Custody Seal No.: C/C35										C and Other Remarks:	ò	<u>,                                    </u>	7		l	

Ver: 09/20/2016

# **Login Sample Receipt Checklist**

Client: New York State D.E.C. Job Number: 480-137179-1

Login Number: 137179 List Source: TestAmerica Buffalo

List Number: 1

Creator: Williams, Christopher S

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

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# **Login Sample Receipt Checklist**

Client: New York State D.E.C. Job Number: 480-137179-1

Login Number: 137179
List Source: TestAmerica Edison
List Number: 2
List Creation: 06/12/18 11:54 AM

Creator: Armbruster, Chris

Cleator. Ambruster, Chris		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	N/A	
The cooler's custody seal, if present, is intact.	True	010035
Sample custody seals, if present, are intact.	N/A	
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	2.1°C IR11
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	