TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
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TestAmerica Job ID: 500-147376-1
Client Project/Site: Ponds and Process Tanks

For:
Central Wire (Techalloy)
6509 Olson Road
Union, Illinois 60180

Attn: Robert Johnson

Sandie Fredrick

Authorized for release by:
7/9/2018 4:38:24 PM

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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.

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Definitions/Glossary

Client: Central Wire (Techalloy)
Project/Site: Ponds and Process Tanks

TestAmerica Job ID: 500-147376-1

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.
*	LCS or LCSD is outside acceptance limits.
cn	Refer to Case Narrative for further detail

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.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

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

Case Narrative

Client: Central Wire (Techalloy)
Project/Site: Ponds and Process Tanks

TestAmerica Job ID: 500-147376-1

Job ID: 500-147376-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-147376-1

Comments
No additional comments.

Receipt
The samples were received on 6/22/2018 9:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.2º C.

GC/MS VOA
Method(s) 8260B: Methylene Chloride and Acetone were detected above the method detection limit in the following samples: P&T Well No. 2 (500-147376-5), S.B. Well No. 1 Irrigation (500-147376-6), S.B. Well No. 2 Restrooms (500-147376-7) and Trip Blank (500-147376-8). The method blank associated with the samples was non-detect for all target compounds. Methylene Chloride and Acetone are known lab contaminant; therefore all low level detects below 3x the reporting limit for these compounds should be suspected as lab contamination. All detects for Methylene Chloride and Acetone have been flagged with a "cn" flag.

Method(s) 8260B: The following analytes recovered outside control limits for the laboratory control sample (LCS) associated with analytical batch 438772: 2-Hexanone and 2,2-Dichloropropane. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

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

Metals
Method(s) 6020A: The internal standard Tb was used to report the elements Lead(Pb) and Thallium(Tl) for analysis batch 438397. This was due to some of the samples were spiked with Trace digestion spike which contains the element Bismuth(Bi).

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

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

Client Sample Results

Client: Central Wire (Techalloy)
Project/Site: Ponds and Process Tanks

TestAmerica Job ID: 500-147376-1

Client Sample ID: North Pond

Lab Sample ID: 500-147376-1
Date Collected: 06/21/18 12:30
Matrix: Ground Water
Date Received: 06/22/18 09:40

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.17		0.50	0.17	ug/L		06/23/18 12:20	06/24/18 22:58	1
Copper	**5.7**		2.0	0.50	ug/L		06/23/18 12:20	06/24/18 22:58	1
Iron	**85**	J	100	47	ug/L		06/23/18 12:20	06/24/18 22:58	1
Lead	**0.58**		0.50	0.19	ug/L		06/23/18 12:20	06/24/18 22:58	1
Manganese	**14**		2.5	0.79	ug/L		06/23/18 12:20	06/24/18 22:58	1
Nickel	**9.4**		2.0	0.63	ug/L		06/23/18 12:20	06/24/18 22:58	1
Selenium	**1.0**	J ^	2.5	0.98	ug/L		06/23/18 12:20	06/24/18 22:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrate Nitrite	**0.53**	F1	0.10	0.041	mg/L			07/06/18 21:58	1
pH	**6.1**	HF	0.2	0.2	SU			06/23/18 14:30	1

Client Sample ID: South Pond

Lab Sample ID: 500-147376-2
Date Collected: 06/21/18 12:35
Matrix: Ground Water
Date Received: 06/22/18 09:40

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	<0.17		0.50	0.17	ug/L		06/23/18 12:20	06/24/18 23:24	1
Copper	**4.9**		2.0	0.50	ug/L		06/23/18 12:20	06/24/18 23:24	1
Iron	**120**		100	47	ug/L		06/23/18 12:20	06/24/18 23:24	1
Lead	**6.6**		0.50	0.19	ug/L		06/23/18 12:20	06/24/18 23:24	1
Manganese	**27**		2.5	0.79	ug/L		06/23/18 12:20	06/24/18 23:24	1
Nickel	**17**		2.0	0.63	ug/L		06/23/18 12:20	06/24/18 23:24	1
Selenium	**1.1**	J ^	2.5	0.98	ug/L		06/23/18 12:20	06/24/18 23:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrogen, Nitrate Nitrite	<0.041		0.10	0.041	mg/L			07/06/18 22:04	1
pH	**5.7**	HF	0.2	0.2	SU			06/23/18 14:32	1

Client Sample ID: P&T Effluent

Lab Sample ID: 500-147376-3
Date Collected: 06/21/18 12:45
Matrix: Ground Water
Date Received: 06/22/18 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**2.9**		1.0	0.38	ug/L			06/27/18 13:22	1
Tetrachloroethene	**0.78**	J	1.0	0.37	ug/L			06/27/18 13:22	1
Trichloroethene	**6.0**		0.50	0.16	ug/L			06/27/18 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*		*06/27/18 13:22*	*1*
4-Bromofluorobenzene (Surr)	*93*		*72 - 124*		*06/27/18 13:22*	*1*
Dibromofluoromethane	*90*		*75 - 120*		*06/27/18 13:22*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*06/27/18 13:22*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.7**	HF	0.2	0.2	SU			06/23/18 14:35	1

Client Sample Results

Client: Central Wire (Techalloy)
Project/Site: Ponds and Process Tanks

TestAmerica Job ID: 500-147376-1

Client Sample ID: P&T Well No.1

Lab Sample ID: 500-147376-4
Matrix: Ground Water

Date Collected: 06/21/18 13:00
Date Received: 06/22/18 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/27/18 13:48	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/27/18 13:48	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/27/18 13:48	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/27/18 13:48	1
1,1-Dichloroethane	**1.7**		1.0	0.41	ug/L			06/27/18 13:48	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/27/18 13:48	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/27/18 13:48	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/27/18 13:48	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			06/27/18 13:48	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/27/18 13:48	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/27/18 13:48	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/27/18 13:48	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/27/18 13:48	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/27/18 13:48	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/27/18 13:48	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/27/18 13:48	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/27/18 13:48	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/27/18 13:48	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/27/18 13:48	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/27/18 13:48	1
2,2-Dichloropropane	<0.44	*	1.0	0.44	ug/L			06/27/18 13:48	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/27/18 13:48	1
2-Hexanone	<1.6	*	5.0	1.6	ug/L			06/27/18 13:48	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/27/18 13:48	1
Acetone	<1.7		5.0	1.7	ug/L			06/27/18 13:48	1
Benzene	<0.15		0.50	0.15	ug/L			06/27/18 13:48	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/27/18 13:48	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/27/18 13:48	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/27/18 13:48	1
Bromoform	<0.48		1.0	0.48	ug/L			06/27/18 13:48	1
Bromomethane	<0.80		2.0	0.80	ug/L			06/27/18 13:48	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/27/18 13:48	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/27/18 13:48	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/27/18 13:48	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/27/18 13:48	1
Chloroform	<0.37		2.0	0.37	ug/L			06/27/18 13:48	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/27/18 13:48	1
cis-1,2-Dichloroethene	**11**		1.0	0.41	ug/L			06/27/18 13:48	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/27/18 13:48	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/27/18 13:48	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/27/18 13:48	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			06/27/18 13:48	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/27/18 13:48	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/27/18 13:48	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/27/18 13:48	1
m&p-Xylene	<0.18		1.0	0.18	ug/L			06/27/18 13:48	1
Methyl Ethyl Ketone	<2.1		5.0	2.1	ug/L			06/27/18 13:48	1
methyl isobutyl ketone	<2.2		5.0	2.2	ug/L			06/27/18 13:48	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/27/18 13:48	1

Client Sample Results

Client: Central Wire (Techalloy)
Project/Site: Ponds and Process Tanks

TestAmerica Job ID: 500-147376-1

Client Sample ID: P&T Well No.1

Lab Sample ID: 500-147376-4
Date Collected: 06/21/18 13:00
Matrix: Ground Water
Date Received: 06/22/18 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/27/18 13:48	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/27/18 13:48	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/27/18 13:48	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/27/18 13:48	1
o-Xylene	<0.22		0.50	0.22	ug/L			06/27/18 13:48	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/27/18 13:48	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/27/18 13:48	1
Styrene	<0.39		1.0	0.39	ug/L			06/27/18 13:48	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/27/18 13:48	1
Tetrachloroethene	**0.87**	J	1.0	0.37	ug/L			06/27/18 13:48	1
Toluene	<0.15		0.50	0.15	ug/L			06/27/18 13:48	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/27/18 13:48	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/27/18 13:48	1
Trichloroethene	**0.83**		0.50	0.16	ug/L			06/27/18 13:48	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/27/18 13:48	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/27/18 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*06/27/18 13:48*	*1*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*06/27/18 13:48*	*1*
Dibromofluoromethane	*90*		*75 - 120*		*06/27/18 13:48*	*1*
Toluene-d8 (Surr)	*104*		*75 - 120*		*06/27/18 13:48*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.2**	HF	0.2	0.2	SU			06/23/18 14:37	1

Client Sample ID: P&T Well No. 2

Lab Sample ID: 500-147376-5
Date Collected: 06/21/18 14:00
Matrix: Ground Water
Date Received: 06/22/18 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/27/18 14:15	1
1,1,1-Trichloroethane	**17**		1.0	0.38	ug/L			06/27/18 14:15	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/27/18 14:15	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/27/18 14:15	1
1,1-Dichloroethane	**1.1**		1.0	0.41	ug/L			06/27/18 14:15	1
1,1-Dichloroethene	**0.72**	J	1.0	0.39	ug/L			06/27/18 14:15	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/27/18 14:15	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/27/18 14:15	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			06/27/18 14:15	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/27/18 14:15	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/27/18 14:15	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/27/18 14:15	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/27/18 14:15	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/27/18 14:15	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/27/18 14:15	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/27/18 14:15	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/27/18 14:15	1

Client Sample Results

Client: Central Wire (Techalloy)
Project/Site: Ponds and Process Tanks

TestAmerica Job ID: 500-147376-1

Client Sample ID: P&T Well No. 2

Lab Sample ID: 500-147376-5
Matrix: Ground Water

Date Collected: 06/21/18 14:00
Date Received: 06/22/18 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/27/18 14:15	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/27/18 14:15	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/27/18 14:15	1
2,2-Dichloropropane	<0.44	*	1.0	0.44	ug/L			06/27/18 14:15	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/27/18 14:15	1
2-Hexanone	<1.6	*	5.0	1.6	ug/L			06/27/18 14:15	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/27/18 14:15	1
Acetone	**2.9**	**J cn**	5.0	1.7	ug/L			06/27/18 14:15	1
Benzene	<0.15		0.50	0.15	ug/L			06/27/18 14:15	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/27/18 14:15	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/27/18 14:15	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/27/18 14:15	1
Bromoform	<0.48		1.0	0.48	ug/L			06/27/18 14:15	1
Bromomethane	<0.80		2.0	0.80	ug/L			06/27/18 14:15	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/27/18 14:15	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/27/18 14:15	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/27/18 14:15	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/27/18 14:15	1
Chloroform	<0.37		2.0	0.37	ug/L			06/27/18 14:15	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/27/18 14:15	1
cis-1,2-Dichloroethene	**2.4**		1.0	0.41	ug/L			06/27/18 14:15	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/27/18 14:15	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/27/18 14:15	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/27/18 14:15	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			06/27/18 14:15	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/27/18 14:15	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/27/18 14:15	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/27/18 14:15	1
m&p-Xylene	<0.18		1.0	0.18	ug/L			06/27/18 14:15	1
Methyl Ethyl Ketone	<2.1		5.0	2.1	ug/L			06/27/18 14:15	1
methyl isobutyl ketone	<2.2		5.0	2.2	ug/L			06/27/18 14:15	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/27/18 14:15	1
Methylene Chloride	**3.7**	**J cn**	5.0	1.6	ug/L			06/27/18 14:15	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/27/18 14:15	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/27/18 14:15	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/27/18 14:15	1
o-Xylene	<0.22		0.50	0.22	ug/L			06/27/18 14:15	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/27/18 14:15	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/27/18 14:15	1
Styrene	<0.39		1.0	0.39	ug/L			06/27/18 14:15	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/27/18 14:15	1
Tetrachloroethene	**28**		1.0	0.37	ug/L			06/27/18 14:15	1
Toluene	<0.15		0.50	0.15	ug/L			06/27/18 14:15	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/27/18 14:15	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/27/18 14:15	1
Trichloroethene	**8.4**		0.50	0.16	ug/L			06/27/18 14:15	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/27/18 14:15	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/27/18 14:15	1

Client Sample Results

Client: Central Wire (Techalloy)
Project/Site: Ponds and Process Tanks

TestAmerica Job ID: 500-147376-1

Client Sample ID: P&T Well No. 2

Lab Sample ID: 500-147376-5
Date Collected: 06/21/18 14:00
Matrix: Ground Water
Date Received: 06/22/18 09:40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 126*		*06/27/18 14:15*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*06/27/18 14:15*	*1*
Dibromofluoromethane	*90*		*75 - 120*		*06/27/18 14:15*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*06/27/18 14:15*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.2**	**HF**	0.2	0.2	SU			06/23/18 14:40	1

Client Sample ID: Ex. 6 Personal Privacy (PP)

Lab Sample ID: 500-147376-6
Date Collected: 06/21/18 13:10
Matrix: Ground Water
Date Received: 06/22/18 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/27/18 14:43	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/27/18 14:43	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/27/18 14:43	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/27/18 14:43	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/27/18 14:43	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/27/18 14:43	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/27/18 14:43	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/27/18 14:43	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			06/27/18 14:43	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/27/18 14:43	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/27/18 14:43	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/27/18 14:43	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/27/18 14:43	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/27/18 14:43	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/27/18 14:43	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/27/18 14:43	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/27/18 14:43	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/27/18 14:43	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/27/18 14:43	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/27/18 14:43	1
2,2-Dichloropropane	<0.44	*	1.0	0.44	ug/L			06/27/18 14:43	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/27/18 14:43	1
2-Hexanone	<1.6	*	5.0	1.6	ug/L			06/27/18 14:43	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/27/18 14:43	1
Acetone	<1.7		5.0	1.7	ug/L			06/27/18 14:43	1
Benzene	<0.15		0.50	0.15	ug/L			06/27/18 14:43	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/27/18 14:43	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/27/18 14:43	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/27/18 14:43	1
Bromoform	<0.48		1.0	0.48	ug/L			06/27/18 14:43	1
Bromomethane	<0.80		2.0	0.80	ug/L			06/27/18 14:43	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/27/18 14:43	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/27/18 14:43	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/27/18 14:43	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/27/18 14:43	1

Client Sample Results

Client: Central Wire (Techalloy)
Project/Site: Ponds and Process Tanks

TestAmerica Job ID: 500-147376-1

Client Sample ID: Ex. 6 Personal Privacy (PP)
Date Collected: 06/21/18 13:10
Date Received: 06/22/18 09:40

Lab Sample ID: 500-147376-6
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<0.37		2.0	0.37	ug/L			06/27/18 14:43	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/27/18 14:43	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/27/18 14:43	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/27/18 14:43	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/27/18 14:43	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/27/18 14:43	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			06/27/18 14:43	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/27/18 14:43	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/27/18 14:43	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/27/18 14:43	1
m&p-Xylene	<0.18		1.0	0.18	ug/L			06/27/18 14:43	1
Methyl Ethyl Ketone	<2.1		5.0	2.1	ug/L			06/27/18 14:43	1
methyl isobutyl ketone	<2.2		5.0	2.2	ug/L			06/27/18 14:43	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/27/18 14:43	1
Methylene Chloride	**2.5**	**J cn**	5.0	1.6	ug/L			06/27/18 14:43	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/27/18 14:43	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/27/18 14:43	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/27/18 14:43	1
o-Xylene	<0.22		0.50	0.22	ug/L			06/27/18 14:43	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/27/18 14:43	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/27/18 14:43	1
Styrene	<0.39		1.0	0.39	ug/L			06/27/18 14:43	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/27/18 14:43	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/27/18 14:43	1
Toluene	<0.15		0.50	0.15	ug/L			06/27/18 14:43	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/27/18 14:43	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/27/18 14:43	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/27/18 14:43	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/27/18 14:43	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/27/18 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*06/27/18 14:43*	*1*
4-Bromofluorobenzene (Surr)	*92*		*72 - 124*		*06/27/18 14:43*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*06/27/18 14:43*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*06/27/18 14:43*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.3**	**HF**	0.2	0.2	SU			06/23/18 14:42	1

Client Sample ID: Ex. 6 Personal Privacy (PP)
Date Collected: 06/21/18 13:15
Date Received: 06/22/18 09:40

Lab Sample ID: 500-147376-7
Matrix: Ground Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/27/18 15:10	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/27/18 15:10	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/27/18 15:10	1

Client Sample Results

Client: Central Wire (Techalloy)
Project/Site: Ponds and Process Tanks

TestAmerica Job ID: 500-147376-1

Client Sample ID: Ex. 6 Personal Privacy (PP)
Date Collected: 06/21/18 13:15
Date Received: 06/22/18 09:40

Lab Sample ID: 500-147376-7
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/27/18 15:10	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/27/18 15:10	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/27/18 15:10	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/27/18 15:10	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/27/18 15:10	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			06/27/18 15:10	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/27/18 15:10	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/27/18 15:10	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/27/18 15:10	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/27/18 15:10	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/27/18 15:10	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/27/18 15:10	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/27/18 15:10	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/27/18 15:10	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/27/18 15:10	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/27/18 15:10	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/27/18 15:10	1
2,2-Dichloropropane	<0.44	*	1.0	0.44	ug/L			06/27/18 15:10	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/27/18 15:10	1
2-Hexanone	<1.6	*	5.0	1.6	ug/L			06/27/18 15:10	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/27/18 15:10	1
Acetone	**2.5**	**J cn**	5.0	1.7	ug/L			06/27/18 15:10	1
Benzene	<0.15		0.50	0.15	ug/L			06/27/18 15:10	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/27/18 15:10	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/27/18 15:10	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/27/18 15:10	1
Bromoform	<0.48		1.0	0.48	ug/L			06/27/18 15:10	1
Bromomethane	<0.80		2.0	0.80	ug/L			06/27/18 15:10	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/27/18 15:10	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/27/18 15:10	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/27/18 15:10	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/27/18 15:10	1
Chloroform	<0.37		2.0	0.37	ug/L			06/27/18 15:10	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/27/18 15:10	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/27/18 15:10	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/27/18 15:10	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/27/18 15:10	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/27/18 15:10	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			06/27/18 15:10	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/27/18 15:10	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/27/18 15:10	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/27/18 15:10	1
m&p-Xylene	<0.18		1.0	0.18	ug/L			06/27/18 15:10	1
Methyl Ethyl Ketone	<2.1		5.0	2.1	ug/L			06/27/18 15:10	1
methyl isobutyl ketone	<2.2		5.0	2.2	ug/L			06/27/18 15:10	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/27/18 15:10	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/27/18 15:10	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/27/18 15:10	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/27/18 15:10	1

Client Sample Results

Client: Central Wire (Techalloy)
Project/Site: Ponds and Process Tanks

TestAmerica Job ID: 500-147376-1

Client Sample ID: Ex. 6 Personal Privacy (PP)

Lab Sample ID: 500-147376-7
Date Collected: 06/21/18 13:15
Matrix: Ground Water
Date Received: 06/22/18 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/27/18 15:10	1
o-Xylene	<0.22		0.50	0.22	ug/L			06/27/18 15:10	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/27/18 15:10	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/27/18 15:10	1
Styrene	<0.39		1.0	0.39	ug/L			06/27/18 15:10	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/27/18 15:10	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/27/18 15:10	1
Toluene	<0.15		0.50	0.15	ug/L			06/27/18 15:10	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/27/18 15:10	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/27/18 15:10	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/27/18 15:10	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/27/18 15:10	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/27/18 15:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*06/27/18 15:10*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 124*		*06/27/18 15:10*	*1*
Dibromofluoromethane	*89*		*75 - 120*		*06/27/18 15:10*	*1*
Toluene-d8 (Surr)	*103*		*75 - 120*		*06/27/18 15:10*	*1*

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.4**	**HF**	0.2	0.2	SU			06/23/18 14:45	1

Client Sample ID: Trip Blank

Lab Sample ID: 500-147376-8
Date Collected: 06/21/18 00:00
Matrix: Water
Date Received: 06/22/18 09:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/27/18 15:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/27/18 15:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/27/18 15:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/27/18 15:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/27/18 15:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/27/18 15:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/27/18 15:37	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/27/18 15:37	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			06/27/18 15:37	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/27/18 15:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/27/18 15:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/27/18 15:37	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/27/18 15:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/27/18 15:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/27/18 15:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/27/18 15:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/27/18 15:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/27/18 15:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/27/18 15:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/27/18 15:37	1

Client Sample Results

Client: Central Wire (Techalloy)
Project/Site: Ponds and Process Tanks

TestAmerica Job ID: 500-147376-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-147376-8
Matrix: Water

Date Collected: 06/21/18 00:00
Date Received: 06/22/18 09:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	<0.44	*	1.0	0.44	ug/L			06/27/18 15:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/27/18 15:37	1
2-Hexanone	<1.6	*	5.0	1.6	ug/L			06/27/18 15:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/27/18 15:37	1
Acetone	**4.4**	**J cn**	5.0	1.7	ug/L			06/27/18 15:37	1
Benzene	<0.15		0.50	0.15	ug/L			06/27/18 15:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/27/18 15:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/27/18 15:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/27/18 15:37	1
Bromoform	<0.48		1.0	0.48	ug/L			06/27/18 15:37	1
Bromomethane	<0.80		2.0	0.80	ug/L			06/27/18 15:37	1
Carbon disulfide	<0.45		2.0	0.45	ug/L			06/27/18 15:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/27/18 15:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/27/18 15:37	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/27/18 15:37	1
Chloroform	<0.37		2.0	0.37	ug/L			06/27/18 15:37	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/27/18 15:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/27/18 15:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/27/18 15:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/27/18 15:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/27/18 15:37	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			06/27/18 15:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/27/18 15:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/27/18 15:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/27/18 15:37	1
m&p-Xylene	<0.18		1.0	0.18	ug/L			06/27/18 15:37	1
Methyl Ethyl Ketone	<2.1		5.0	2.1	ug/L			06/27/18 15:37	1
methyl isobutyl ketone	<2.2		5.0	2.2	ug/L			06/27/18 15:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/27/18 15:37	1
Methylene Chloride	**3.1**	**J cn**	5.0	1.6	ug/L			06/27/18 15:37	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/27/18 15:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/27/18 15:37	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/27/18 15:37	1
o-Xylene	<0.22		0.50	0.22	ug/L			06/27/18 15:37	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/27/18 15:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/27/18 15:37	1
Styrene	<0.39		1.0	0.39	ug/L			06/27/18 15:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/27/18 15:37	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/27/18 15:37	1
Toluene	<0.15		0.50	0.15	ug/L			06/27/18 15:37	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/27/18 15:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/27/18 15:37	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/27/18 15:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/27/18 15:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			06/27/18 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*06/27/18 15:37*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 124*		*06/27/18 15:37*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*06/27/18 15:37*	*1*

Client Sample Results

Client: Central Wire (Techalloy)
Project/Site: Ponds and Process Tanks

TestAmerica Job ID: 500-147376-1

Client Sample ID: Trip Blank

Lab Sample ID: 500-147376-8
Matrix: Water

Date Collected: 06/21/18 00:00
Date Received: 06/22/18 09:40

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		75 - 120		06/27/18 15:37	1

Lab Chronicle

Client: Central Wire (Techalloy)
Project/Site: Ponds and Process Tanks

TestAmerica Job ID: 500-147376-1

Client Sample ID: North Pond — Lab Sample ID: 500-147376-1

Date Collected: 06/21/18 12:30
Date Received: 06/22/18 09:40
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			438243	06/23/18 12:20	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	438397	06/24/18 22:58	PFK	TAL CHI
Total/NA	Analysis	353.2		1	440190	07/06/18 21:58	FJD	TAL CHI
Total/NA	Analysis	SM 4500 H+ B		1	438398		SMO	TAL CHI
					(Start)	06/23/18 14:30		
					(End)	06/23/18 14:31		

Client Sample ID: South Pond — Lab Sample ID: 500-147376-2

Date Collected: 06/21/18 12:35
Date Received: 06/22/18 09:40
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			438243	06/23/18 12:20	BDE	TAL CHI
Total Recoverable	Analysis	6020A		1	438397	06/24/18 23:24	PFK	TAL CHI
Total/NA	Analysis	353.2		1	440190	07/06/18 22:04	FJD	TAL CHI
Total/NA	Analysis	SM 4500 H+ B		1	438398		SMO	TAL CHI
					(Start)	06/23/18 14:32		
					(End)	06/23/18 14:33		

Client Sample ID: P&T Effluent — Lab Sample ID: 500-147376-3

Date Collected: 06/21/18 12:45
Date Received: 06/22/18 09:40
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	438772	06/27/18 13:22	PMF	TAL CHI
Total/NA	Analysis	SM 4500 H+ B		1	438398		SMO	TAL CHI
					(Start)	06/23/18 14:35		
					(End)	06/23/18 14:36		

Client Sample ID: P&T Well No.1 — Lab Sample ID: 500-147376-4

Date Collected: 06/21/18 13:00
Date Received: 06/22/18 09:40
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	438772	06/27/18 13:48	PMF	TAL CHI
Total/NA	Analysis	SM 4500 H+ B		1	438398		SMO	TAL CHI
					(Start)	06/23/18 14:37		
					(End)	06/23/18 14:38		

Lab Chronicle

Client: Central Wire (Techalloy)
Project/Site: Ponds and Process Tanks

TestAmerica Job ID: 500-147376-1

Client Sample ID: P&T Well No. 2

Lab Sample ID: 500-147376-5
Matrix: Ground Water
Date Collected: 06/21/18 14:00
Date Received: 06/22/18 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	438772	06/27/18 14:15	PMF	TAL CHI
Total/NA	Analysis	SM 4500 H+ B		1	438398		SMO	TAL CHI
					(Start)	06/23/18 14:40		
					(End)	06/23/18 14:41		

Client Sample ID: Ex. 6 Personal Privacy (PP)

Lab Sample ID: 500-147376-6
Matrix: Ground Water
Date Collected: 06/21/18 13:10
Date Received: 06/22/18 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	438772	06/27/18 14:43	PMF	TAL CHI
Total/NA	Analysis	SM 4500 H+ B		1	438398		SMO	TAL CHI
					(Start)	06/23/18 14:42		
					(End)	06/23/18 14:43		

Client Sample ID: Ex. 6 Personal Privacy (PP)

Lab Sample ID: 500-147376-7
Matrix: Ground Water
Date Collected: 06/21/18 13:15
Date Received: 06/22/18 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	438772	06/27/18 15:10	PMF	TAL CHI
Total/NA	Analysis	SM 4500 H+ B		1	438398		SMO	TAL CHI
					(Start)	06/23/18 14:45		
					(End)	06/23/18 14:46		

Client Sample ID: Trip Blank

Lab Sample ID: 500-147376-8
Matrix: Water
Date Collected: 06/21/18 00:00
Date Received: 06/22/18 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	438772	06/27/18 15:37	PMF	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Central Wire (Techalloy)
Project/Site: Ponds and Process Tanks

TestAmerica Job ID: 500-147376-1

Laboratory: TestAmerica Chicago

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Illinois	NELAP	5	100201	04-30-19

Method Summary

Client: Central Wire (Techalloy)
Project/Site: Ponds and Process Tanks

TestAmerica Job ID: 500-147376-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
6020A	Metals (ICP/MS)	SW846	TAL CHI
353.2	Nitrogen, Nitrate-Nitrite	MCAWW	TAL CHI
SM 4500 H+ B	pH	SM	TAL CHI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL CHI
5030B	Purge and Trap	SW846	TAL CHI

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Central Wire (Techalloy)
Project/Site: Ponds and Process Tanks

TestAmerica Job ID: 500-147376-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-147376-1	North Pond	Ground Water	06/21/18 12:30	06/22/18 09:40
500-147376-2	South Pond	Ground Water	06/21/18 12:35	06/22/18 09:40
500-147376-3	P&T Effluent	Ground Water	06/21/18 12:45	06/22/18 09:40
500-147376-4	P&T Well No.1	Ground Water	06/21/18 13:00	06/22/18 09:40
500-147376-5	P&T Well No. 2	Ground Water	06/21/18 14:00	06/22/18 09:40
500-147376-6	Ex. 6 Personal Privacy (PP)	Ground Water	06/21/18 13:10	06/22/18 09:40
500-147376-7		Ground Water	06/21/18 13:15	06/22/18 09:40
500-147376-8	Trip Blank	Water	06/21/18 00:00	06/22/18 09:40

Chicago
2417 Bond Street

University Park, IL 60466
phone 708.534.5200 fax 708.534.5363

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Chain of Custody Record, 3rd Month of Quarter

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Robert Johnson	Site Contact: Robert Johnson	Date: 6/21/18	COC No: 646423
Central Wire Union Plant	Tel/Fax: 815.923.4919; 815.923.2126	Lab Contact:	Carrier: UPS	1 of 1 COCs
6509 Olson Rd.	Analysis Turnaround Time			Job No. 500-147376
Union, IL 60180	Calendar (C) or Work Days (W) _____			
(815) 923-2131 Phone	TAT if different from Below _____			
(815) 923-2126 Fax	[X] 2 weeks			SDG No.
3rd mo. of qtr	[ ] 1 week			
Union Plant	[ ] 2 days			
P O #	[ ] 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	Filtered Sample	VOCs (vials) 1, 2	Metals* (250 ml jars) 1, 4	N + N (500 ml vials) 1, 3	pH 1, 6	Sample Specific Notes:
North Pond	6/21	1230	G	GW	1	N		X			
North Pond		1230	G	GW	1	N			X		
North Pond pH		1230	G	GW	1	N				X	
South Pond		1235	G	GW	1	N		X			
South Pond		1235	G	GW	1	N			X		
South Pond pH		1235	G	GW	1	N				X	
P&T Effluent		1245	G	GW	3	N	X				
P&T pH		1245	G	GW	1	N				X	
P&T Well No. 1		1300	G	GW	3	N	X				
P&T Well No. 1 pH		1300	G	GW	1	N				X	
P&T Well No. 2		1400	G	GW	3	N	X				
P&T Well No. 2 pH		1400	G	GW	1	N				X	
		1310	G	GW	3	N	X				
		1310	G	GW	1	N				X	
		1315	G	GW	3	N	X				
		1315	G	GW	1	N				X	
Trip Blank											

500-147376 COC

Ex. 6 Personal Privacy (PP)

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification
[ ] *Non-Hazard* [ ] *Flammable* [ ] *Skin Irritant* *Poison B* [ ] *Unknown* [ ]

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

Special Instructions/QC Requirements & Comments:

North Pond Metals: Iron (Fe), Lead (Pb), Manganese (Mn), Nickel (Ni), Cadmium (Cd), Nitrates (N), Selenium (Se) & Copper (Cu)
South Pond Metals: Iron (Fe), Lead (Pb), Manganese (Mn), Nickel (Ni), Cadmium (Cd), Nitrates (N), Selenium (Se) & Copper (Cu)

0.7→2.2 UPS Ground

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Bob Johnson	CWI	6/21/18 1445	[signature]	CWI	6/21/18 14:45
[signature]	CWI	6/21/18 15/30	[signature]	UPS	6/21/18 1530
			[signature]	TALHE	06/22/18 09:40

Login Sample Receipt Checklist

Client: Central Wire (Techalloy)

Job Number: 500-147376-1

Login Number: 147376
List Number: 1
Creator: Sanchez, Ariel M

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2
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	