

ANALYTICAL REPORT

Job Number: 460-37321-1

Job Description: Site No: 152125 (EAR) DEC Lindenhurst 63

For:
New York State D.E.C.
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Albany, NY 12233
Attention: Mr. David Gardner



Approved for release.
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Project Manager I
4/3/2012 10:43 AM

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04/03/2012

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Approved for release.
Jackie Trudell
Project Manager I
4/3/2012 10:43 AM

Designee for
Larry Decker

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CASE NARRATIVE

Client: New York State D.E.C.

Project: Site No: 152125 (EAR) DEC Lindenhurst 63

Report Number: 460-37321-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 02/27/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.4 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

TOTAL METALS

Sample 460-37321-1 was analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 03/09/2012.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 460-37321-1 and 460-37321-2 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA Method 624. The samples were analyzed on 03/03/2012.

No difficulties were encountered during the volatiles analyses.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Sample 460-37321-1 was analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 03/20/2012.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C.

Job Number: 460-37321-1

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
Analyte						
460-37321-1	INFLUENT					
Vinyl chloride		0.94	J	1.0	ug/L	624
1,1-Dichloroethene		0.22	J	1.0	ug/L	624
trans-1,2-Dichloroethene		0.73	J	1.0	ug/L	624
cis-1,2-Dichloroethene		90		1.0	ug/L	624
Trichloroethene		53		1.0	ug/L	624
Tetrachloroethene		230		1.0	ug/L	624
Barium		14.9	J	200	ug/L	6010B
Calcium		20600		5000	ug/L	6010B
Iron		115	J	150	ug/L	6010B
Magnesium		3270	J	5000	ug/L	6010B
Manganese		1010		15.0	ug/L	6010B
Potassium		2380	J	5000	ug/L	6010B
Sodium		23300		5000	ug/L	6010B
460-37321-2	EFFLUENT					
cis-1,2-Dichloroethene		2.4		1.0	ug/L	624
Trichloroethene		0.61	J	1.0	ug/L	624
Tetrachloroethene		1.4		1.0	ug/L	624

METHOD SUMMARY

Client: New York State D.E.C.

Job Number: 460-37321-1

Description	Lab Location	Method	Preparation Method
Matrix: Effluent			
Volatile Organic Compounds (GC/MS)	TAL EDI	40CFR136A 624	
Matrix: Influent			
Volatile Organic Compounds (GC/MS)	TAL EDI	40CFR136A 624	
Metals (ICP)	TAL EDI	SW846 6010B	
Preparation, Total Metals	TAL EDI		SW846 3010A
Mercury (CVAA)	TAL EDI	SW846 7470A	
Preparation, Mercury	TAL EDI		SW846 7470A

Lab References:

TAL EDI = TestAmerica Edison

Method References:

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

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

METHOD / ANALYST SUMMARY

Client: New York State D.E.C.

Job Number: 460-37321-1

Method	Analyst	Analyst ID
40CFR136A 624	Moroney, Christopher J	CJM
SW846 6010B	Chang, Churn Der	CDC
SW846 7470A	Sheikh, Razia B	RBS

SAMPLE SUMMARY

Client: New York State D.E.C.

Job Number: 460-37321-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-37321-1	Influent	Influent	02/24/2012 1330	02/27/2012 1730
460-37321-2	Effluent	Effluent	02/24/2012 1336	02/27/2012 1730

SAMPLE RESULTS

Analytical Data

Client: New York State D.E.C.

Job Number: 460-37321-1

Client Sample ID: Influent

Lab Sample ID: 460-37321-1

Date Sampled: 02/24/2012 1330

Client Matrix: Influent

Date Received: 02/27/2012 1730

624 Volatile Organic Compounds (GC/MS)

Analysis Method:	624	Analysis Batch:	460-104362	Instrument ID:	VOAMS6
	N/A	Prep Batch:	N/A	Lab File ID:	f85796.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/03/2012 0043			Final Weight/Volume:	5 mL
Prep Date:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.10	1.0
Bromomethane	1.0	U	0.18	1.0
Vinyl chloride	0.94	J	0.14	1.0
Chloroethane	1.0	U	0.17	1.0
Methylene Chloride	1.0	U	0.18	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
1,1-Dichloroethene	0.22	J	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
trans-1,2-Dichloroethene	0.73	J	0.13	1.0
cis-1,2-Dichloroethene	90		0.18	1.0
Chloroform	1.0	U	0.080	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Bromodichloromethane	1.0	U	0.12	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Trichloroethene	53		0.090	1.0
Dibromochloromethane	1.0	U	0.20	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
2-Chloroethyl vinyl ether	1.0	U	0.34	1.0
Bromoform	1.0	U	0.19	1.0
Tetrachloroethene	230		0.10	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
Chlorobenzene	1.0	U	0.11	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117		70 - 130
Toluene-d8 (Surr)	117		70 - 130
4-Bromofluorobenzene	103		70 - 130

Analytical Data

Client: New York State D.E.C.

Job Number: 460-37321-1

Client Sample ID: Effluent

Lab Sample ID: 460-37321-2

Date Sampled: 02/24/2012 1336

Client Matrix: Effluent

Date Received: 02/27/2012 1730

624 Volatile Organic Compounds (GC/MS)

Analysis Method:	624	Analysis Batch:	460-104362	Instrument ID:	VOAMS6
	N/A	Prep Batch:	N/A	Lab File ID:	f85795.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/03/2012 0020			Final Weight/Volume:	5 mL
Prep Date:	N/A				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.10	1.0
Bromomethane	1.0	U	0.18	1.0
Vinyl chloride	1.0	U	0.14	1.0
Chloroethane	1.0	U	0.17	1.0
Methylene Chloride	1.0	U	0.18	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
cis-1,2-Dichloroethene	2.4		0.18	1.0
Chloroform	1.0	U	0.080	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Bromodichloromethane	1.0	U	0.12	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Trichloroethene	0.61	J	0.090	1.0
Dibromochloromethane	1.0	U	0.20	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
2-Chloroethyl vinyl ether	1.0	U	0.34	1.0
Bromoform	1.0	U	0.19	1.0
Tetrachloroethene	1.4		0.10	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
Chlorobenzene	1.0	U	0.11	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115		70 - 130
Toluene-d8 (Surr)	117		70 - 130
4-Bromofluorobenzene	103		70 - 130

Analytical Data

Client: New York State D.E.C.

Job Number: 460-37321-1

Client Sample ID: Influent

Lab Sample ID: 460-37321-1

Date Sampled: 02/24/2012 1330

Client Matrix: Influent

Date Received: 02/27/2012 1730

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-105361	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-105204	Lab File ID:	03092012A.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	03/09/2012 2217			Final Weight/Volume:	100 mL
Prep Date:	03/09/2012 1134				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aluminum	200	U	72.1	200
Antimony	10.0	U	7.4	10.0
Arsenic	5.0	U	3.7	5.0
Barium	14.9	J	5.9	200
Beryllium	2.0	U	0.78	2.0
Cadmium	5.0	U	0.82	5.0
Calcium	20600		305	5000
Chromium	10.0	U	4.5	10.0
Cobalt	50.0	U	4.3	50.0
Copper	25.0	U	7.8	25.0
Iron	115	J	73.6	150
Lead	5.0	U	4.0	5.0
Magnesium	3270	J	321	5000
Manganese	1010		4.3	15.0
Nickel	40.0	U	5.0	40.0
Potassium	2380	J	525	5000
Selenium	10.0	U	5.8	10.0
Silver	10.0	U	1.3	10.0
Sodium	23300		821	5000
Thallium	10.0	U	5.2	10.0
Vanadium	50.0	U	4.0	50.0
Zinc	30.0	U	5.8	30.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-106399	Instrument ID:	LEEMAN3
Prep Method:	7470A	Prep Batch:	460-106350	Lab File ID:	106350hg1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	03/20/2012 1349			Final Weight/Volume:	30 mL
Prep Date:	03/20/2012 1127				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Mercury	0.20	U	0.16	0.20

DATA REPORTING QUALIFIERS

Client: New York State D.E.C.

Job Number: 460-37321-1

Lab Section	Qualifier	Description
GC/MS VOA	U	Analyzed for but not detected.
	J	Indicates an estimated value.
Metals	U	Indicates analyzed for but not detected.
	J	Sample result is greater than the MDL but below the CRDL

QUALITY CONTROL RESULTS

Quality Control Results

Client: New York State D.E.C.

Job Number: 460-37321-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:460-104362					
LCS 460-104362/26	Lab Control Sample	T	Water	624	
MB 460-104362/27	Method Blank	T	Water	624	
460-37321-1	Influent	T	Water	624	
460-37321-2	Effluent	T	Water	624	

Report Basis

T = Total

Metals

Prep Batch: 460-105204					
LCS 460-105204/2-A	Lab Control Sample	T	Water	3010A	
MB 460-105204/1-A	Method Blank	T	Water	3010A	
460-37321-1	Influent	T	Water	3010A	
Analysis Batch:460-105361					
LCS 460-105204/2-A	Lab Control Sample	T	Water	6010B	460-105204
MB 460-105204/1-A	Method Blank	T	Water	6010B	460-105204
460-37321-1	Influent	T	Water	6010B	460-105204
Prep Batch: 460-106350					
LCS 460-106350/2-A	Lab Control Sample	T	Water	7470A	
MB 460-106350/1-A	Method Blank	T	Water	7470A	
460-37321-1	Influent	T	Water	7470A	
Analysis Batch:460-106399					
LCS 460-106350/2-A	Lab Control Sample	T	Water	7470A	460-106350
MB 460-106350/1-A	Method Blank	T	Water	7470A	460-106350
460-37321-1	Influent	T	Water	7470A	460-106350

Report Basis

T = Total

Client: New York State D.E.C.

Job Number: 460-37321-1

Surrogate Recovery Report

624 Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
460-37321-1	Influent	117	117	103
460-37321-2	Effluent	115	117	103
MB 460-104362/27		115	118	102
LCS 460-104362/26		117	119	104

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-130
TOL = Toluene-d8 (Surr)	70-130
BFB = 4-Bromofluorobenzene	70-130

Quality Control Results

Client: New York State D.E.C.

Job Number: 460-37321-1

Method Blank - Batch: 460-104362

Method: 624

Preparation: N/A

Lab Sample ID: MB 460-104362/27
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/02/2012 2146
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 460-104362
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: VOAMS6
Lab File ID: f85788.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Chloromethane	1.0	U	0.10	1.0
Bromomethane	1.0	U	0.18	1.0
Vinyl chloride	1.0	U	0.14	1.0
Chloroethane	1.0	U	0.17	1.0
Methylene Chloride	1.0	U	0.18	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
1,1-Dichloroethene	1.0	U	0.090	1.0
1,1-Dichloroethane	1.0	U	0.13	1.0
trans-1,2-Dichloroethene	1.0	U	0.13	1.0
cis-1,2-Dichloroethene	1.0	U	0.18	1.0
Chloroform	1.0	U	0.080	1.0
1,2-Dichloroethane	1.0	U	0.19	1.0
1,1,1-Trichloroethane	1.0	U	0.060	1.0
Carbon tetrachloride	1.0	U	0.060	1.0
Bromodichloromethane	1.0	U	0.12	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.18	1.0
Trichloroethene	1.0	U	0.090	1.0
Dibromochloromethane	1.0	U	0.20	1.0
1,1,2-Trichloroethane	1.0	U	0.19	1.0
trans-1,3-Dichloropropene	1.0	U	0.24	1.0
2-Chloroethyl vinyl ether	1.0	U	0.34	1.0
Bromoform	1.0	U	0.19	1.0
Tetrachloroethene	1.0	U	0.10	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.16	1.0
Chlorobenzene	1.0	U	0.11	1.0
1,3-Dichlorobenzene	1.0	U	0.14	1.0
1,4-Dichlorobenzene	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.21	1.0
Dichlorodifluoromethane	1.0	U	0.22	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115	70 - 130
Toluene-d8 (Surr)	118	70 - 130
4-Bromofluorobenzene	102	70 - 130

Quality Control Results

Client: New York State D.E.C.

Job Number: 460-37321-1

Lab Control Sample - Batch: 460-104362

Method: 624

Preparation: N/A

Lab Sample ID: LCS 460-104362/26
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/02/2012 2041
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 460-104362
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: VOAMS6
Lab File ID: f85785.d
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	20.0	21.3	106	0 - 273	
Bromomethane	20.0	18.4	92	0 - 242	
Vinyl chloride	20.0	20.7	104	0 - 251	
Chloroethane	20.0	21.3	106	14 - 230	
Methylene Chloride	20.0	18.2	91	0 - 221	
Trichlorofluoromethane	20.0	20.0	100	17 - 181	
1,1-Dichloroethene	20.0	18.2	91	0 - 234	
1,1-Dichloroethane	20.0	18.5	92	59 - 155	
trans-1,2-Dichloroethene	20.0	17.5	87	54 - 156	
Chloroform	20.0	18.5	92	51 - 138	
1,2-Dichloroethane	20.0	19.6	98	49 - 155	
1,1,1-Trichloroethane	20.0	17.6	88	52 - 162	
Carbon tetrachloride	20.0	17.1	86	70 - 140	
Bromodichloromethane	20.0	17.3	87	35 - 155	
1,2-Dichloropropane	20.0	18.2	91	0 - 210	
cis-1,3-Dichloropropene	20.0	15.8	79	0 - 227	
Trichloroethene	20.0	20.1	101	71 - 157	
Dibromochloromethane	20.0	15.8	79	53 - 149	
1,1,2-Trichloroethane	20.0	18.3	91	52 - 150	
trans-1,3-Dichloropropene	20.0	15.8	79	17 - 183	
Bromoform	20.0	15.5	77	45 - 169	
Tetrachloroethene	20.0	19.1	95	64 - 148	
1,1,2,2-Tetrachloroethane	20.0	16.4	82	46 - 157	
Chlorobenzene	20.0	18.6	93	37 - 160	
1,3-Dichlorobenzene	20.0	18.9	95	59 - 156	
1,4-Dichlorobenzene	20.0	18.5	92	18 - 190	
1,2-Dichlorobenzene	20.0	18.7	94	18 - 190	
Surrogate	% Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	117		70 - 130		
Toluene-d8 (Surr)	119		70 - 130		
4-Bromofluorobenzene	104		70 - 130		

Quality Control Results

Client: New York State D.E.C.

Job Number: 460-37321-1

Method Blank - Batch: 460-105204

Method: 6010B

Preparation: 3010A

Lab Sample ID: MB 460-105204/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/09/2012 2114
Prep Date: 03/09/2012 1134
Leach Date: N/A

Analysis Batch: 460-105361
Prep Batch: 460-105204
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP4
Lab File ID: 03092012A.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Aluminum	200	U	72.1	200
Antimony	10.0	U	7.4	10.0
Arsenic	5.0	U	3.7	5.0
Barium	200	U	5.9	200
Beryllium	2.0	U	0.78	2.0
Cadmium	5.0	U	0.82	5.0
Calcium	5000	U	305	5000
Chromium	10.0	U	4.5	10.0
Cobalt	50.0	U	4.3	50.0
Copper	25.0	U	7.8	25.0
Iron	150	U	73.6	150
Lead	5.0	U	4.0	5.0
Magnesium	5000	U	321	5000
Manganese	15.0	U	4.3	15.0
Nickel	40.0	U	5.0	40.0
Potassium	5000	U	525	5000
Selenium	10.0	U	5.8	10.0
Silver	10.0	U	1.3	10.0
Sodium	5000	U	821	5000
Thallium	10.0	U	5.2	10.0
Vanadium	50.0	U	4.0	50.0
Zinc	30.0	U	5.8	30.0

Quality Control Results

Client: New York State D.E.C.

Job Number: 460-37321-1

Lab Control Sample - Batch: 460-105204

Method: 6010B

Preparation: 3010A

Lab Sample ID: LCS 460-105204/2-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/09/2012 2104
 Prep Date: 03/09/2012 1134
 Leach Date: N/A

Analysis Batch: 460-105361
 Prep Batch: 460-105204
 Leach Batch: N/A
 Units: ug/L

Instrument ID: ICP4
 Lab File ID: 03092012A.asc
 Initial Weight/Volume: 100 mL
 Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	2000	1927	96	80 - 120	
Antimony	500	463.0	93	80 - 120	
Arsenic	2000	1872	94	80 - 120	
Barium	2000	1963	98	80 - 120	
Beryllium	50.0	47.26	95	80 - 120	
Cadmium	50.0	49.68	99	80 - 120	
Calcium	20000	20080	100	80 - 120	
Chromium	200	201.4	101	80 - 120	
Cobalt	500	492.4	98	80 - 120	
Copper	250	236.3	95	80 - 120	
Iron	1000	1008	101	80 - 120	
Lead	500	509.3	102	80 - 120	
Magnesium	20000	19570	98	80 - 120	
Manganese	500	515.4	103	80 - 120	
Nickel	500	499.6	100	80 - 120	
Potassium	20000	18460	92	80 - 120	
Selenium	2000	1836	92	80 - 120	
Silver	50.0	44.04	88	80 - 120	
Sodium	20000	19390	97	80 - 120	
Thallium	2000	2095	105	80 - 120	
Vanadium	500	487.6	98	80 - 120	
Zinc	500	485.9	97	80 - 120	

Quality Control Results

Client: New York State D.E.C.

Job Number: 460-37321-1

Method Blank - Batch: 460-106350

Method: 7470A Preparation: 7470A

Lab Sample ID: MB 460-106350/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/20/2012 1306
Prep Date: 03/20/2012 1127
Leach Date: N/A

Analysis Batch: 460-106399
Prep Batch: 460-106350
Leach Batch: N/A
Units: ug/L

Instrument ID: LEEMAN3
Lab File ID: 106350hg1.PRN
Initial Weight/Volume: 30 mL
Final Weight/Volume: 30 mL

Analyte	Result	Qual	MDL	RL
Mercury	0.20	U	0.16	0.20

Lab Control Sample - Batch: 460-106350

Method: 7470A Preparation: 7470A

Lab Sample ID: LCS 460-106350/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 03/20/2012 1308
Prep Date: 03/20/2012 1127
Leach Date: N/A

Analysis Batch: 460-106399
Prep Batch: 460-106350
Leach Batch: N/A
Units: ug/L

Instrument ID: LEEMAN3
Lab File ID: 106350hg1.PRN
Initial Weight/Volume: 30 mL
Final Weight/Volume: 30 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	0.968	97	80 - 120	

TestAmerica Connecticut

128 Long Hill Cross Road
Shelton, CT 06484

Phone (203) 929-8140 Fax (203) 929-8142

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact:

Karen Sanford

Field Sampler:

Mobile/Field Number:

TAT Required (business days):

Lab PM/Contact:
Lab Job Number (Lab Use Only):

COC Number:

Page 1 of 1

22513

Carrier Tracking

Notes:

Company:

EXR

E-Mail:

Deliverable Type (Report/EDD):

Passed Rad Screen (Lab Use Only):

37321

City, State, Zip:

225 Atlantic Ave
Patchogue, NY 11772

PO #:

Sample Disposal: [] Return to Client
[] Archive for ___ Months
(A fee may be assessed if samples are retained for longer than 1 month)

Cooler Temperatures (Lab Use Only):

Analysis (Attach list if more space is needed)

Phone:

(631) 444-1040

WO #:

State Regulatory QC Criteria Requirements: (Cat. X)

Lab Job Number (Lab Use Only):

37321

Email:

Ksanford@exr.com

Project #:

Site ID 152115

Analysis (Attach list if more space is needed)

Comments

Project Name/Location (State):

De-Candorchester 03

SSOW#:

State Regulatory QC Criteria Requirements: (Cat. X)

Analysis (Attach list if more space is needed)

Comments

Samples submitted for analysis will be subject to TestAmerica Terms and Conditions

State Regulatory QC Criteria Requirements: (Cat. X)

Analysis (Attach list if more space is needed)

Comments

Field Sample Identification
(Containers for each sample may be combined on one line)

Collection Date

Collection Time (24-Hour Clock)

Matrix
Aq-Aqueous
S-Solid
W-Waste/Oil
O-Other

MS/MSD (Yes or No)

Unpreserved

H2SO4

HNO3

HCL

NaOH

ZnAc/NaOH

Other

No. of Containers/Preservatives

Analysis (Attach list if more space is needed)

Comments

1

TA #

Influent

2-24-12

1330

AQ

MS/MSD (Yes or No)

Unpreserved

H2SO4

HNO3

HCL

NaOH

ZnAc/NaOH

Other

No. of Containers/Preservatives

Analysis (Attach list if more space is needed)

Comments

2

TA #

Effluent

2-24-12

1336

AQ

MS/MSD (Yes or No)

Unpreserved

H2SO4

HNO3

HCL

NaOH

ZnAc/NaOH

Other

No. of Containers/Preservatives

Analysis (Attach list if more space is needed)

Comments

1

TA #

TA #

TA #

TA #

TA #

TA #

TA #

TA #

TA #

TA #

TA #

TA #

DISTRIBUTION: WHITE - Stays with the Samples; CANARY - Returned to Client with Report; PINK - Field Copy

Field Sampling / Shipping Instructions and Laboratory Sample Receipt Policy included on Reverse Side of COC

TAL-0015 (06/09)

Job No. 37321

page ___ of ___

[illegible]

2/10/20

2/28/12

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-37321-1

Login Number: 37321

List Source: TestAmerica Edison

List Number: 1

Creator: Hall, Alonzo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
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	3.4° C IR 50
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.	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	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.