

ANALYTICAL REPORT

Job Number: 460-37320-1

Job Description: Site No: 130050 DEC Hempstead 206

For:
New York State D.E.C.
625 Broadway
11th Floor
Albany, NY 12233
Attention: Mr. David Gardner



Approved for release.
Jackie Trudell
Project Manager I
3/20/2012 3:35 PM

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03/20/2012

cc: Mr. Greg Mann
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Job Number: 460-37320-1

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Approved for release.
Jackie Trudell
Project Manager I
3/20/2012 3:35 PM

Designee for
Larry Decker

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Job Narrative
460-37320-1

Comments

No additional comments.

Receipt

All samples were received in good condition within temperature requirements.

GC/MS VOA

No analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C.

Job Number: 460-37320-1

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-37320-1	EW-1					
Chloroform		0.13	J	1.0	ug/L	624
Tetrachloroethene		17		1.0	ug/L	624
460-37320-2	EW-2					
Chloroform		0.12	J	1.0	ug/L	624
Tetrachloroethene		45		1.0	ug/L	624
460-37320-3	AS					
Manganese		13.4	J	15.0	ug/L	6010B

METHOD SUMMARY

Client: New York State D.E.C.

Job Number: 460-37320-1

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

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: 460-37320-1

Method	Analyst	Analyst ID
40CFR136A 624	Moroney, Christopher J	CJM
SW846 6010B	Chang, Churn Der	CDC

SAMPLE SUMMARY

Client: New York State D.E.C.

Job Number: 460-37320-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-37320-1	EW-1	Water	02/24/2012 0956	02/27/2012 1730
460-37320-2	EW-2	Water	02/24/2012 1005	02/27/2012 1730
460-37320-3	AS	Water	02/24/2012 1020	02/27/2012 1730

SAMPLE RESULTS

Analytical Data

Client: New York State D.E.C.

Job Number: 460-37320-1

Client Sample ID: EW-1

Lab Sample ID: 460-37320-1

Date Sampled: 02/24/2012 0956

Client Matrix: Water

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: f85771.d
Dilution: 1.0		Initial Weight/Volume: 5 mL
Analysis Date: 03/02/2012 1534		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	1.0	U	0.18	1.0
Chloroform	0.13	J	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	17		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)	121		70 - 130
Toluene-d8 (Surr)	117		70 - 130
4-Bromofluorobenzene	102		70 - 130

Analytical Data

Client: New York State D.E.C.

Job Number: 460-37320-1

Client Sample ID: EW-2

Lab Sample ID: 460-37320-2

Date Sampled: 02/24/2012 1005

Client Matrix: Water

Date Received: 02/27/2012 1730

624 Volatile Organic Compounds (GC/MS)

Analysis Method: 624	Analysis Batch: 460-104228	Instrument ID: VOAMS6
N/A	Prep Batch: N/A	Lab File ID: f85714.d
Dilution: 1.0		Initial Weight/Volume: 5 mL
Analysis Date: 03/01/2012 1507		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	1.0	U	0.18	1.0
Chloroform	0.12	J	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	45		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)	102		70 - 130
Toluene-d8 (Surr)	94		70 - 130
4-Bromofluorobenzene	99		70 - 130

Analytical Data

Client: New York State D.E.C.

Job Number: 460-37320-1

Client Sample ID: AS

Lab Sample ID: 460-37320-3

Date Sampled: 02/24/2012 1020

Client Matrix: Water

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:	f85770.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	03/02/2012 1512			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	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	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		70 - 130
Toluene-d8 (Surr)	116		70 - 130
4-Bromofluorobenzene	102		70 - 130

Analytical Data

Client: New York State D.E.C.

Job Number: 460-37320-1

Client Sample ID: AS

Lab Sample ID: 460-37320-3

Date Sampled: 02/24/2012 1020

Client Matrix: Water

Date Received: 02/27/2012 1730

6010B Metals (ICP)

Analysis Method: 6010B

Analysis Batch: 460-104706

Instrument ID: ICP4

Prep Method: 3010A

Prep Batch: 460-104606

Lab File ID: 03052012A.asc

Dilution: 1.0

Initial Weight/Volume: 100 mL

Analysis Date: 03/05/2012 2230

Final Weight/Volume: 100 mL

Prep Date: 03/05/2012 1101

Analyte	Result (ug/L)	Qualifier	MDL	RL
Iron	150	U	73.6	150
Manganese	13.4	J	4.3	15.0

DATA REPORTING QUALIFIERS

Client: New York State D.E.C.

Job Number: 460-37320-1

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: 460-37320-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:460-104228					
LCS 460-104228/3	Lab Control Sample	T	Water	624	
MB 460-104228/4	Method Blank	T	Water	624	
460-37320-2	EW-2	T	Water	624	
Analysis Batch:460-104362					
LCS 460-104362/3	Lab Control Sample	T	Water	624	
MB 460-104362/4	Method Blank	T	Water	624	
460-37320-1	EW-1	T	Water	624	
460-37320-3	AS	T	Water	624	
Report Basis					
T = Total					
Metals					
Prep Batch: 460-104606					
LCS 460-104606/2-A	Lab Control Sample	T	Water	3010A	
MB 460-104606/1-A	Method Blank	T	Water	3010A	
460-37320-3	AS	T	Water	3010A	
Analysis Batch:460-104706					
LCS 460-104606/2-A	Lab Control Sample	T	Water	6010B	460-104606
MB 460-104606/1-A	Method Blank	T	Water	6010B	460-104606
460-37320-3	AS	T	Water	6010B	460-104606

Report Basis

T = Total

Client: New York State D.E.C.

Job Number: 460-37320-1

Surrogate Recovery Report

624 Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
460-37320-1	EW-1	121	117	102
460-37320-2	EW-2	102	94	99
460-37320-3	AS	118	116	102
MB 460-104228/4		103	94	98
MB 460-104362/4		122	116	104
LCS 460-104228/3		98	94	99
LCS 460-104362/3		113	118	103

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: 460-37320-1

Method Blank - Batch: 460-104228

Method: 624

Preparation: N/A

Lab Sample ID: MB 460-104228/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/01/2012 0851
 Prep Date: N/A
 Leach Date: N/A

Analysis Batch: 460-104228
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: VOAMS6
 Lab File ID: f85698.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)	103	70 - 130
Toluene-d8 (Surr)	94	70 - 130
4-Bromofluorobenzene	98	70 - 130

Quality Control Results

Client: New York State D.E.C.

Job Number: 460-37320-1

Lab Control Sample - Batch: 460-104228

Method: 624

Preparation: N/A

Lab Sample ID: LCS 460-104228/3	Analysis Batch: 460-104228	Instrument ID: VOAMS6
Client Matrix: Water	Prep Batch: N/A	Lab File ID: f85695.d
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 03/01/2012 0659	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: N/A		
Leach Date: N/A		

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	20.0	21.5	107	0 - 273	
Bromomethane	20.0	18.9	94	0 - 242	
Vinyl chloride	20.0	20.4	102	0 - 251	
Chloroethane	20.0	21.3	106	14 - 230	
Methylene Chloride	20.0	17.8	89	0 - 221	
Trichlorofluoromethane	20.0	20.0	100	17 - 181	
1,1-Dichloroethene	20.0	17.0	85	0 - 234	
1,1-Dichloroethane	20.0	18.4	92	59 - 155	
trans-1,2-Dichloroethene	20.0	17.3	86	54 - 156	
cis-1,2-Dichloroethene	20.0	18.5	93	80 - 120	
Chloroform	20.0	18.7	93	51 - 138	
1,2-Dichloroethane	20.0	20.0	100	49 - 155	
1,1,1-Trichloroethane	20.0	17.5	87	52 - 162	
Carbon tetrachloride	20.0	17.4	87	70 - 140	
Bromodichloromethane	20.0	17.5	88	35 - 155	
1,2-Dichloropropane	20.0	17.6	88	0 - 210	
cis-1,3-Dichloropropene	20.0	16.7	84	0 - 227	
Trichloroethene	20.0	18.3	92	71 - 157	
Dibromochloromethane	20.0	16.4	82	53 - 149	
1,1,2-Trichloroethane	20.0	17.9	89	52 - 150	
trans-1,3-Dichloropropene	20.0	16.8	84	17 - 183	
2-Chloroethyl vinyl ether	20.0	17.0	85	0 - 305	
Bromoform	20.0	16.9	84	45 - 169	
Tetrachloroethene	20.0	19.1	96	64 - 148	
1,1,2,2-Tetrachloroethane	20.0	18.7	94	46 - 157	
Chlorobenzene	20.0	18.2	91	37 - 160	
1,3-Dichlorobenzene	20.0	18.5	92	59 - 156	
1,4-Dichlorobenzene	20.0	18.6	93	18 - 190	
1,2-Dichlorobenzene	20.0	18.4	92	18 - 190	
Dichlorodifluoromethane	20.0	19.4	97	46 - 145	
Surrogate		% Rec		Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)		98		70 - 130	
Toluene-d8 (Surr)		94		70 - 130	
4-Bromofluorobenzene		99		70 - 130	

Quality Control Results

Client: New York State D.E.C.

Job Number: 460-37320-1

Method Blank - Batch: 460-104362

Method: 624

Preparation: N/A

Lab Sample ID: MB 460-104362/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/02/2012 0913
 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: f85759.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)	122	70 - 130
Toluene-d8 (Surr)	116	70 - 130
4-Bromofluorobenzene	104	70 - 130

Quality Control Results

Client: New York State D.E.C.

Job Number: 460-37320-1

Lab Control Sample - Batch: 460-104362

Method: 624

Preparation: N/A

Lab Sample ID:	LCS 460-104362/3	Analysis Batch:	460-104362	Instrument ID:	VOAMS6
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	f85756.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	03/02/2012 0752	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	20.0	21.1	105	0 - 273	
Bromomethane	20.0	18.3	92	0 - 242	
Vinyl chloride	20.0	20.4	102	0 - 251	
Chloroethane	20.0	21.7	109	14 - 230	
Methylene Chloride	20.0	18.2	91	0 - 221	
Trichlorofluoromethane	20.0	20.1	101	17 - 181	
1,1-Dichloroethene	20.0	17.8	89	0 - 234	
1,1-Dichloroethane	20.0	18.2	91	59 - 155	
trans-1,2-Dichloroethene	20.0	17.4	87	54 - 156	
cis-1,2-Dichloroethene	20.0	18.1	90	80 - 120	
Chloroform	20.0	18.5	93	51 - 138	
1,2-Dichloroethane	20.0	19.4	97	49 - 155	
1,1,1-Trichloroethane	20.0	17.6	88	52 - 162	
Carbon tetrachloride	20.0	17.7	89	70 - 140	
Bromodichloromethane	20.0	17.6	88	35 - 155	
1,2-Dichloropropane	20.0	17.6	88	0 - 210	
cis-1,3-Dichloropropene	20.0	17.1	86	0 - 227	
Trichloroethene	20.0	18.3	92	71 - 157	
Dibromochloromethane	20.0	16.7	84	53 - 149	
1,1,2-Trichloroethane	20.0	18.4	92	52 - 150	
trans-1,3-Dichloropropene	20.0	16.7	83	17 - 183	
2-Chloroethyl vinyl ether	20.0	17.3	86	0 - 305	
Bromoform	20.0	17.0	85	45 - 169	
Tetrachloroethene	20.0	19.4	97	64 - 148	
1,1,2,2-Tetrachloroethane	20.0	19.3	97	46 - 157	
Chlorobenzene	20.0	18.5	92	37 - 160	
1,3-Dichlorobenzene	20.0	19.6	98	59 - 156	
1,4-Dichlorobenzene	20.0	19.4	97	18 - 190	
1,2-Dichlorobenzene	20.0	19.4	97	18 - 190	
Dichlorodifluoromethane	20.0	18.4	92	46 - 145	
<hr/>					
Surrogate		% Rec		Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)		113		70 - 130	
Toluene-d8 (Surr)		118		70 - 130	
4-Bromofluorobenzene		103		70 - 130	

Quality Control Results

Client: New York State D.E.C.

Job Number: 460-37320-1

Method Blank - Batch: 460-104606

Lab Sample ID: MB 460-104606/1-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/05/2012 2127
 Prep Date: 03/05/2012 1101
 Leach Date: N/A

Analysis Batch: 460-104706
 Prep Batch: 460-104606
 Leach Batch: N/A
 Units: ug/L

**Method: 6010B
 Preparation: 3010A**

Instrument ID: ICP4
 Lab File ID: 03052012A.asc
 Initial Weight/Volume: 100 mL
 Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Iron	150	U	73.6	150
Manganese	15.0	U	4.3	15.0

Lab Control Sample - Batch: 460-104606

Lab Sample ID: LCS 460-104606/2-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 03/05/2012 2116
 Prep Date: 03/05/2012 1101
 Leach Date: N/A

Analysis Batch: 460-104706
 Prep Batch: 460-104606
 Leach Batch: N/A
 Units: ug/L

**Method: 6010B
 Preparation: 3010A**

Instrument ID: ICP4
 Lab File ID: 03052012A.asc
 Initial Weight/Volume: 100 mL
 Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Iron	1000	984.6	98	80 - 120	
Manganese	500	501.1	100	80 - 120	

TestAmerica Connecticut
 128 Long Hill Cross Road
 Shelton, CT 06484

Chain of Custody Record

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING

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Phone (203) 929-8140 Fax (203) 929-8142
 Client Contact: KAREN SANFORD
 Company: EAR
 Address: 225 ATLANTIC AVE
 City, State, Zip: PATTERSON, NJ 07462
 Phone: 908-497-1040
 Email: KSANFORD@ENVIRONMENTAL-TESTING.COM
 Project Name/ Site Location (State): PATTERSON, NJ
 Project #: 460-37320
 SOW#: 10

Field Sample #: 10
 Mobile/Field Number: 10
 Deliverable Type (Report/EDI): EDI (KANSAS) PDF
 Sample Disposal: Return to Client
 Archive for ___ Months
 (A fee may be assessed if samples are retained for longer than 1 month)

State Regulatory QC Criteria Requirements: (C4 X)

TA #	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-Water/Oil, O-Other	MS/MSD (Yes or No)	No. of Containers/Preservatives					Analysis (Attach list if more space is needed)	Comments	
						Unpreserved	H2SO4	HNO3	HCL	NaOH			ZnAc/NaOH
	EM-1	2-24-12	0956	Aq									-1
	EM-2	2-24-12	1005	Aq									-2
	AS	2-24-12	1020	Aq									-3

Relinquished by: Kelli Alvarez Date/Time: 2-24-12 @ 1430 Company: EAR
 Relinquished by: K. Sanford Date/Time: 2-27-12 @ 12:11 Company: EAR
 Relinquished by: K. Sanford Date/Time: 2-27-12 17:35 Company: EAR
 Received by: EAR SAMPLE RANGE Date/Time: 2-24-12 1430 Company: EAR
 Received by: K. Sanford Date/Time: 2-27-12 12:12 Company: EAR
 Received by: K. Sanford Date/Time: 2-27-12/1730 Company: EAR

2 Day RUSH

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-37320-1

Login Number: 37320

List Source: TestAmerica Edison

List Number: 1

Creator: Villadarez, Gerson Timothy S

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.