

## ANALYTICAL REPORT

Job Number: 460-36251-1

Job Description: Site No: 130050 DEC Hempstead 206

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



Approved for release.  
Larry Decker  
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02/05/2012

cc: Mr. Greg Mann  
Mrs. Tracy Salvitti  
Ms. Karen Sanford

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## CASE NARRATIVE

Client: New York State D.E.C.

Project: Site No: 130050 DEC Hempstead 206

Report Number: 460-36251-1

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 01/28/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.4 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 460-36251-1 was analyzed for total metals in accordance with EPA SW-846 Method 6010B. The samples were prepared and analyzed on 01/31/2012.

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

### VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples 460-36251-1 through 460-36251-3 were analyzed for volatile organic compounds (GC-MS) in accordance with EPA Method 624. The samples were analyzed on 01/31/2012.

No difficulties were encountered during the volatiles analyses.

All quality control parameters were within the acceptance limits.

## EXECUTIVE SUMMARY - Detections

Client: New York State D.E.C.

Job Number: 460-36251-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-36251-1 Manganese	AS	14.0	J	15.0	ug/L	6010B
460-36251-2 Tetrachloroethene	EW-1	16		1.0	ug/L	624
460-36251-3 Tetrachloroethene	EW-2	52		1.0	ug/L	624

## METHOD SUMMARY

Client: New York State D.E.C.

Job Number: 460-36251-1

<b>Description</b>	<b>Lab Location</b>	<b>Method</b>	<b>Preparation Method</b>
<b>Matrix: Water</b>			
Volatile Organic Compounds (GC/MS)	TAL EDI	40CFR136A 624	
Metals (ICP) Preparation, Total Metals	TAL EDI	SW846 6010B	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: 460-36251-1

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

## SAMPLE SUMMARY

Client: New York State D.E.C.

Job Number: 460-36251-1

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Client Matrix</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>
460-36251-1	AS	Water	01/26/2012 1150	01/28/2012 1000
460-36251-2	EW-1	Water	01/26/2012 1210	01/28/2012 1000
460-36251-3	EW-2	Water	01/26/2012 1200	01/28/2012 1000

# **SAMPLE RESULTS**



## Analytical Data

Client: New York State D.E.C.

Job Number: 460-36251-1

**Client Sample ID:** AS

Lab Sample ID: 460-36251-1

Date Sampled: 01/26/2012 1150

Client Matrix: Water

Date Received: 01/28/2012 1000

### 624 Volatile Organic Compounds (GC/MS)

Analysis Method: 624	Analysis Batch: 460-100823	Instrument ID: VOAMS6
N/A	Prep Batch: N/A	Lab File ID: f84417.d
Dilution: 1.0		Initial Weight/Volume: 5 mL
Analysis Date: 01/31/2012 1408		Final Weight/Volume: 5 mL
Prep Date: N/A		

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Trichlorofluoromethane	1.0	U	0.16	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
2-Chloroethyl vinyl ether	1.0	U	0.19	1.0
Bromoform	1.0	U	0.10	1.0
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
1,3-Dichlorobenzene	1.0	U	0.22	1.0
1,4-Dichlorobenzene	1.0	U	0.15	1.0
1,2-Dichlorobenzene	1.0	U	0.16	1.0
Dichlorodifluoromethane	1.0	U	0.29	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	88		70 - 122
Toluene-d8 (Surr)	83		69 - 125
4-Bromofluorobenzene	98		69 - 135

## Analytical Data

Client: New York State D.E.C.

Job Number: 460-36251-1

**Client Sample ID:** EW-1

Lab Sample ID: 460-36251-2

Date Sampled: 01/26/2012 1210

Client Matrix: Water

Date Received: 01/28/2012 1000

### 624 Volatile Organic Compounds (GC/MS)

Analysis Method: 624	Analysis Batch: 460-100823	Instrument ID: VOAMS6
N/A	Prep Batch: N/A	Lab File ID: f84418.d
Dilution: 1.0		Initial Weight/Volume: 5 mL
Analysis Date: 01/31/2012 1429		Final Weight/Volume: 5 mL
Prep Date: N/A		

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Trichlorofluoromethane	1.0	U	0.16	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
2-Chloroethyl vinyl ether	1.0	U	0.19	1.0
Bromoform	1.0	U	0.10	1.0
Tetrachloroethene	16		0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
1,3-Dichlorobenzene	1.0	U	0.22	1.0
1,4-Dichlorobenzene	1.0	U	0.15	1.0
1,2-Dichlorobenzene	1.0	U	0.16	1.0
Dichlorodifluoromethane	1.0	U	0.29	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92		70 - 122
Toluene-d8 (Surr)	83		69 - 125
4-Bromofluorobenzene	97		69 - 135

## Analytical Data

Client: New York State D.E.C.

Job Number: 460-36251-1

**Client Sample ID:** EW-2

Lab Sample ID: 460-36251-3

Date Sampled: 01/26/2012 1200

Client Matrix: Water

Date Received: 01/28/2012 1000

### 624 Volatile Organic Compounds (GC/MS)

Analysis Method: 624	Analysis Batch: 460-100823	Instrument ID: VOAMS6
N/A	Prep Batch: N/A	Lab File ID: f84419.d
Dilution: 1.0		Initial Weight/Volume: 5 mL
Analysis Date: 01/31/2012 1451		Final Weight/Volume: 5 mL
Prep Date: N/A		

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Trichlorofluoromethane	1.0	U	0.16	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
2-Chloroethyl vinyl ether	1.0	U	0.19	1.0
Bromoform	1.0	U	0.10	1.0
Tetrachloroethene	52		0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
1,3-Dichlorobenzene	1.0	U	0.22	1.0
1,4-Dichlorobenzene	1.0	U	0.15	1.0
1,2-Dichlorobenzene	1.0	U	0.16	1.0
Dichlorodifluoromethane	1.0	U	0.29	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 122
Toluene-d8 (Surr)	85		69 - 125
4-Bromofluorobenzene	99		69 - 135

**Analytical Data**

Client: New York State D.E.C.

Job Number: 460-36251-1

**Client Sample ID: AS**

Lab Sample ID: 460-36251-1

Date Sampled: 01/26/2012 1150

Client Matrix: Water

Date Received: 01/28/2012 1000

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**6010B Metals (ICP)**

Analysis Method: 6010B

Analysis Batch: 460-100821

Instrument ID: ICP4

Prep Method: 3010A

Prep Batch: 460-100768

Lab File ID: 01312012.asc

Dilution: 1.0

Initial Weight/Volume: 100 mL

Analysis Date: 01/31/2012 1314

Final Weight/Volume: 100 mL

Prep Date: 01/31/2012 0914

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Analyte	Result (ug/L)	Qualifier	MDL	RL
Iron	150	U	73.6	150
Manganese	14.0	J	4.3	15.0

## DATA REPORTING QUALIFIERS

Client: New York State D.E.C.

Job Number: 460-36251-1

<b>Lab Section</b>	<b>Qualifier</b>	<b>Description</b>
GC/MS VOA		
	U	Analyzed for but not detected.
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: 460-36251-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>GC/MS VOA</b>					
<b>Analysis Batch:460-100823</b>					
LCS 460-100823/3	Lab Control Sample	T	Water	624	
MB 460-100823/4	Method Blank	T	Water	624	
460-36251-1	AS	T	Water	624	
460-36251-2	EW-1	T	Water	624	
460-36251-3	EW-2	T	Water	624	
<b>Report Basis</b>					
T = Total					
<b>Metals</b>					
<b>Prep Batch: 460-100768</b>					
LCS 460-100768/2-A	Lab Control Sample	T	Water	3010A	
MB 460-100768/1-A	Method Blank	T	Water	3010A	
460-36251-1	AS	T	Water	3010A	
460-36251-1DU	Duplicate	T	Water	3010A	
460-36251-1MS	Matrix Spike	T	Water	3010A	
<b>Analysis Batch:460-100821</b>					
LCS 460-100768/2-A	Lab Control Sample	T	Water	6010B	460-100768
MB 460-100768/1-A	Method Blank	T	Water	6010B	460-100768
460-36251-1	AS	T	Water	6010B	460-100768
460-36251-1DU	Duplicate	T	Water	6010B	460-100768
460-36251-1MS	Matrix Spike	T	Water	6010B	460-100768

**Report Basis**

T = Total

Client: New York State D.E.C.

Job Number: 460-36251-1

**Surrogate Recovery Report**

**624 Volatile Organic Compounds (GC/MS)**

**Client Matrix: Water**

Lab Sample ID	Client Sample ID	DCA %Rec	TOL %Rec	BFB %Rec
460-36251-1	AS	88	83	98
460-36251-2	EW-1	92	83	97
460-36251-3	EW-2	94	85	99
MB 460-100823/4		92	84	97
LCS 460-100823/3		92	87	102

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	70-122
TOL = Toluene-d8 (Surr)	69-125
BFB = 4-Bromofluorobenzene	69-135



## Quality Control Results

Client: New York State D.E.C.

Job Number: 460-36251-1

**Method Blank - Batch: 460-100823**

**Method: 624  
Preparation: N/A**

Lab Sample ID: MB 460-100823/4  
 Client Matrix: Water  
 Dilution: 1.0  
 Analysis Date: 01/31/2012 1346  
 Prep Date: N/A  
 Leach Date: N/A

Analysis Batch: 460-100823  
 Prep Batch: N/A  
 Leach Batch: N/A  
 Units: ug/L

Instrument ID: VOAMS6  
 Lab File ID: f84416.d  
 Initial Weight/Volume: 5 mL  
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Chloromethane	1.0	U	0.21	1.0
Bromomethane	1.0	U	0.31	1.0
Vinyl chloride	1.0	U	0.13	1.0
Chloroethane	1.0	U	0.45	1.0
Methylene Chloride	1.0	U	0.19	1.0
Trichlorofluoromethane	1.0	U	0.16	1.0
1,1-Dichloroethene	1.0	U	0.14	1.0
1,1-Dichloroethane	1.0	U	0.10	1.0
trans-1,2-Dichloroethene	1.0	U	0.14	1.0
cis-1,2-Dichloroethene	1.0	U	0.20	1.0
Chloroform	1.0	U	0.15	1.0
1,2-Dichloroethane	1.0	U	0.24	1.0
1,1,1-Trichloroethane	1.0	U	0.25	1.0
Carbon tetrachloride	1.0	U	0.19	1.0
Bromodichloromethane	1.0	U	0.093	1.0
1,2-Dichloropropane	1.0	U	0.090	1.0
cis-1,3-Dichloropropene	1.0	U	0.11	1.0
Trichloroethene	1.0	U	0.18	1.0
Dibromochloromethane	1.0	U	0.11	1.0
1,1,2-Trichloroethane	1.0	U	0.10	1.0
trans-1,3-Dichloropropene	1.0	U	0.12	1.0
2-Chloroethyl vinyl ether	1.0	U	0.19	1.0
Bromoform	1.0	U	0.10	1.0
Tetrachloroethene	1.0	U	0.20	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.090	1.0
Chlorobenzene	1.0	U	0.16	1.0
1,3-Dichlorobenzene	1.0	U	0.22	1.0
1,4-Dichlorobenzene	1.0	U	0.15	1.0
1,2-Dichlorobenzene	1.0	U	0.16	1.0
Dichlorodifluoromethane	1.0	U	0.29	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	92	70 - 122
Toluene-d8 (Surr)	84	69 - 125
4-Bromofluorobenzene	97	69 - 135

## Quality Control Results

Client: New York State D.E.C.

Job Number: 460-36251-1

**Lab Control Sample - Batch: 460-100823**

**Method: 624**

**Preparation: N/A**

Lab Sample ID: LCS 460-100823/3	Analysis Batch: 460-100823	Instrument ID: VOAMS6
Client Matrix: Water	Prep Batch: N/A	Lab File ID: f84403.d
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 01/31/2012 0730	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	16.1	80	0 - 273	
Bromomethane	20.0	18.0	90	0 - 242	
Vinyl chloride	20.0	15.1	75	0 - 251	
Chloroethane	20.0	15.7	79	14 - 230	
Methylene Chloride	20.0	17.3	86	0 - 221	
Trichlorofluoromethane	20.0	16.7	83	17 - 181	
1,1-Dichloroethene	20.0	18.2	91	0 - 234	
1,1-Dichloroethane	20.0	18.3	91	59 - 155	
trans-1,2-Dichloroethene	20.0	17.4	87	54 - 156	
Chloroform	20.0	18.5	92	51 - 138	
1,2-Dichloroethane	20.0	19.2	96	49 - 155	
1,1,1-Trichloroethane	20.0	17.7	88	52 - 162	
Carbon tetrachloride	20.0	18.5	93	70 - 140	
Bromodichloromethane	20.0	17.7	88	35 - 155	
1,2-Dichloropropane	20.0	17.8	89	0 - 210	
cis-1,3-Dichloropropene	20.0	16.2	81	0 - 227	
Trichloroethene	20.0	20.3	101	71 - 157	
Dibromochloromethane	20.0	17.6	88	53 - 149	
1,1,2-Trichloroethane	20.0	16.7	83	52 - 150	
trans-1,3-Dichloropropene	20.0	16.5	82	17 - 183	
Bromoform	20.0	18.1	90	45 - 169	
Tetrachloroethene	20.0	16.9	84	64 - 148	
1,1,2,2-Tetrachloroethane	20.0	16.0	80	46 - 157	
Chlorobenzene	20.0	17.5	87	37 - 160	
1,3-Dichlorobenzene	20.0	17.1	86	59 - 156	
1,4-Dichlorobenzene	20.0	17.1	86	18 - 190	
1,2-Dichlorobenzene	20.0	17.6	88	18 - 190	
<hr/>					
Surrogate		% Rec		Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)		92		70 - 122	
Toluene-d8 (Surr)		87		69 - 125	
4-Bromofluorobenzene		102		69 - 135	

**Quality Control Results**

Client: New York State D.E.C.

Job Number: 460-36251-1

**Method Blank - Batch: 460-100768**

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

Lab Sample ID: MB 460-100768/1-A  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 01/31/2012 1303  
Prep Date: 01/31/2012 0914  
Leach Date: N/A

Analysis Batch: 460-100821  
Prep Batch: 460-100768  
Leach Batch: N/A  
Units: ug/L

Instrument ID: ICP4  
Lab File ID: 01312012.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: 460-100768**

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

Lab Sample ID: LCS 460-100768/2-A  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 01/31/2012 1307  
Prep Date: 01/31/2012 0914  
Leach Date: N/A

Analysis Batch: 460-100821  
Prep Batch: 460-100768  
Leach Batch: N/A  
Units: ug/L

Instrument ID: ICP4  
Lab File ID: 01312012.asc  
Initial Weight/Volume: 100 mL  
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Iron	1000	999.4	100	80 - 120	
Manganese	500	519.0	104	80 - 120	

**Matrix Spike - Batch: 460-100768**

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

Lab Sample ID: 460-36251-1  
Client Matrix: Water  
Dilution: 1.0  
Analysis Date: 01/31/2012 1321  
Prep Date: 01/31/2012 0914  
Leach Date: N/A

Analysis Batch: 460-100821  
Prep Batch: 460-100768  
Leach Batch: N/A  
Units: ug/L

Instrument ID: ICP4  
Lab File ID: 01312012.asc  
Initial Weight/Volume: 100 mL  
Final Weight/Volume: 100 mL

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Iron	150 U	1000	1055	106	75 - 125	
Manganese	14.0 J	500	545.7	106	75 - 125	

# Quality Control Results

Client: New York State D.E.C.

Job Number: 460-36251-1

**Duplicate - Batch: 460-100768**

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

Lab Sample ID:	460-36251-1	Analysis Batch:	460-100821	Instrument ID:	ICP4
Client Matrix:	Water	Prep Batch:	460-100768	Lab File ID:	01312012.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	100 mL
Analysis Date:	01/31/2012 1310	Units:	ug/L	Final Weight/Volume:	100 mL
Prep Date:	01/31/2012 0914				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Iron	150 U	150	NC	20	U
Manganese	14.0 J	14.15	1	20	J

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: **K. Sanford**  
 Company: **E.A.R.**  
 Address: **225 Atlantic Ave.**  
 City, State, Zip: **Rochester, NY 14722**  
 Phone: **631-447-6400**  
 Email: **Project #:** **Site ID:** **SSOW#:**

Field Sampler: **BAR/ES**  
 Mobile/Field Number:  
 E-Mail:  
 PO #:  
 WO #:  
 Project #:  
 SSOW#:

TAT Required (business days): **Standard**  
 Deliverable Type (Report/EDD):  
 Sample Disposal:  Return to Client  
 Disposal by Lab  
 Archive for \_\_\_ Months  
 (A fee may be assessed if samples are retained for longer than 1 month)

Lab Job Number (Lab Use Only): **30251**  
 Passed Rad Screen (Lab Use Only):  
 Yes  No  
 Cooler Temperatures (Lab Use Only):

Carrier Tracking  
 Notes:

GOC Number: **20845**  
 Page \_\_\_ of \_\_\_

Project Name/Site Location (State): **DEC - Hempstead 206 / (NY)**  
 State Regulatory QC Criteria Requirements:  
 Analysis (Attach list if more space is needed)

TA #	Field Sample Identification (Containers for each sample may be combined on one line)	Collection Date	Collection Time (24-Hour Clock)	Matrix A=Aqueous, S=Solid, W=Waste/Oil, O=Other	MS/MSD (Yes or No)	No. of Containers/Preservatives					Other	Comments	
						Unpreserved	H2SO4	HNO3	HCL	NaOH			ZnAc/NaOH
	AS	1-26-12	1150	Aq		1	3						
	EW-1	1-26-12	1210	Aq		1	3						1
	EW-2	1-26-12	1200	Aq		1	3						2
													3

Relinquished by: **Cub Dwyer**  
 Date/Time: **1-26-12 / 1515**  
 Company: **EMM**

Relinquished by: **BAR**  
 Date/Time: **1-27-12 @ 1100**  
 Company: **BAR**

Relinquished by: **WILLIAM A. VIGNIOTA**  
 Date/Time: **1-27-12 @ 1100**  
 Company: **BAR**

Received by: **BAR Fridge**  
 Date/Time: **1-26-12 / 1515**  
 Company: **EMM**

Received by: **WILLIAM A. VIGNIOTA**  
 Date/Time: **1-27-12 @ 1100**  
 Company: **BAR**

Received by: **Ed O'Neil**  
 Date/Time: **1-27-12 @ 1100**  
 Company: **BAR**

Comments: **Fe and Mn**

Relinquished by: **Fe O'Neil**  
 Date/Time: **1-28-12**  
 Company: **Apple**

Relinquished by: **Apple**  
 Date/Time: **1-28-12**  
 Company: **Apple**

Comments: **10000000 JA**



## Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 460-36251-1

**Login Number: 36251**

**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	2.4C 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.