

ANALYTICAL REPORT

Job Number: 460-40696-1

Job Description: DEC - Uniondale 1121

For:

Long Island Environmental Assessment
dba Env Assessment & Remediation

225 Atlantic Avenue

Patchogue, NY 11772

Attention: Mr. Ian Hofmann



Approved for release.
Larry Decker
Project Manager I
6/1/2012 10:29 AM

Larry Decker

Project Manager I

larry.decker@testamericainc.com

06/01/2012

cc: Mr. Bob Corcoran
Mr. Greg Mann
Mrs. Tracy Salvitti

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Job Number: 460-40696-1
Job Description: DEC - Uniondale 1121

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

A handwritten signature in black ink, appearing to be 'LD', with a horizontal line extending to the right.

Approved for release.
Larry Decker
Project Manager I
6/1/2012 10:29 AM

Larry Decker

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Job Narrative
460-40696-1

Comments

No additional comments.

Receipt

The sample was received on 5/26/2012 11:15 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.1° C.

GC/MS VOA

No analytical or quality issues were noted.

GC/MS Semi VOA

No analytical or quality issues were noted.

GC Semi VOA

No analytical or quality issues were noted.

Metals

No analytical or quality issues were noted.

General Chemistry

Method(s) 9040B, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples have been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: IDW (460-40696-1)

No other analytical or quality issues were noted.

Organic Prep

No analytical or quality issues were noted.

VOA Prep

No analytical or quality issues were noted.

EXECUTIVE SUMMARY - Detections

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Lab Sample ID	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-40696-1	IDW					
Chloroethane		3.4		1.0	ug/L	8260B
Acetone		7.4		5.0	ug/L	8260B
1,1-Dichloroethane		2.0		1.0	ug/L	8260B
cis-1,2-Dichloroethene		0.86	J	1.0	ug/L	8260B
2-Butanone		3.7	J	5.0	ug/L	8260B
Benzene		1.4		1.0	ug/L	8260B
Toluene		6.3		1.0	ug/L	8260B
Chlorobenzene		1.2		1.0	ug/L	8260B
Ethylbenzene		12		1.0	ug/L	8260B
Xylenes, Total		15		3.0	ug/L	8260B
Dieldrin		0.016	J	0.020	ug/L	608
Arsenic		5.7		5.0	ug/L	6010B
Barium		518		200	ug/L	6010B
Cadmium		7.3		5.0	ug/L	6010B
Lead		6.4		5.0	ug/L	6010B
Ignitability		>160			Degrees F	1020A
Corrosivity		7.36	HF		SU	9040B

METHOD SUMMARY

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Description		Lab Location	Method	Preparation Method
Matrix	Water			
Volatile Organic Compounds (GC/MS)		TAL EDI	SW846 8260B	
Purge and Trap		TAL EDI		SW846 5030B
Semivolatile Organic Compounds (GC/MS)		TAL EDI	SW846 8270C	
Liquid-Liquid Extraction (Separatory Funnel)		TAL EDI		SW846 3510C
Organochlorine Pesticides/PCBs in Water		TAL EDI	40CFR136A 608	
Liquid-Liquid Extraction (Separatory Funnel)		TAL EDI		40CFR136A 608
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
Ignitability, Setaflash Closed-Cup Method		TAL EDI	SW846 1020A	
Cyanide, Reactive		TAL EDI	SW846 9014	
Cyanide, Reactive		TAL EDI		SW846 7.3.3
Sulfide, Reactive		TAL EDI	SW846 9034	
Sulfide, Reactive		TAL EDI		SW846 7.3.4
pH		TAL EDI	SW846 9040B	

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: Long Island Environmental Assessment

Job Number: 460-40696-1

Method	Analyst	Analyst ID
SW846 8260B	Moroney, Christopher J	CJM
SW846 8270C	Crocco, Michael	MC
40CFR136A 608	Kapoor, Sita	SK
SW846 6010B	Chang, Churn Der	CDC
SW846 7470A	Staib, Thomas	TS
SW846 1020A	Cabanganan, Maria	MB
SW846 9014	Cabanganan, Maria	MB
SW846 9034	Cabanganan, Maria	MB
SW846 9040B	Cabanganan, Maria	MB

SAMPLE SUMMARY

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-40696-1	IDW	Water	05/24/2012 1322	05/26/2012 1115

SAMPLE RESULTS

Analytical Data

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Client Sample ID: IDW

Lab Sample ID: 460-40696-1

Client Matrix: Water

Date Sampled: 05/24/2012 1322

Date Received: 05/26/2012 1115

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	460-114377	Instrument ID:	VOAMS3
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	c68798.d
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/31/2012 1103			Final Weight/Volume:	5 mL
Prep Date:	05/31/2012 1103				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Chloromethane	0.10	U	0.10	1.0
Bromomethane	0.18	U	0.18	1.0
Vinyl chloride	0.14	U	0.14	1.0
Chloroethane	3.4		0.17	1.0
Methylene Chloride	0.18	U	0.18	1.0
Acetone	7.4		2.7	5.0
Carbon disulfide	0.13	U	0.13	1.0
1,1-Dichloroethene	0.090	U	0.090	1.0
1,1-Dichloroethane	2.0		0.13	1.0
trans-1,2-Dichloroethene	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.86	J	0.18	1.0
Chloroform	0.080	U	0.080	1.0
1,2-Dichloroethane	0.19	U	0.19	1.0
2-Butanone	3.7	J	2.3	5.0
1,1,1-Trichloroethane	0.060	U	0.060	1.0
Carbon tetrachloride	0.060	U	0.060	1.0
Bromodichloromethane	0.12	U	0.12	1.0
1,2-Dichloropropane	0.090	U	0.090	1.0
cis-1,3-Dichloropropene	0.18	U	0.18	1.0
Trichloroethene	0.090	U	0.090	1.0
Dibromochloromethane	0.20	U	0.20	1.0
1,1,2-Trichloroethane	0.19	U	0.19	1.0
Benzene	1.4		0.080	1.0
trans-1,3-Dichloropropene	0.24	U	0.24	1.0
Bromoform	0.19	U	0.19	1.0
4-Methyl-2-pentanone	0.99	U	0.99	5.0
2-Hexanone	0.50	U	0.50	5.0
Tetrachloroethene	0.10	U	0.10	1.0
1,1,2,2-Tetrachloroethane	0.16	U	0.16	1.0
Toluene	6.3		0.15	1.0
Chlorobenzene	1.2		0.11	1.0
Ethylbenzene	12		0.10	1.0
Styrene	0.12	U	0.12	1.0
Xylenes, Total	15		0.36	3.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		70 - 130
Bromofluorobenzene	99		70 - 130
Toluene-d8 (Surr)	99		70 - 130

Analytical Data

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Client Sample ID: IDW

Lab Sample ID: 460-40696-1

Client Matrix: Water

Date Sampled: 05/24/2012 1322

Date Received: 05/26/2012 1115

8260B Volatile Organic Compounds (GC/MS)

Analysis Method: 8260B

Analysis Batch: 460-114377

Instrument ID: VOAMS3

Prep Method: 5030B

Prep Batch: N/A

Lab File ID: c68798.d

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 05/31/2012 1103

Final Weight/Volume: 5 mL

Prep Date: 05/31/2012 1103

Tentatively Identified Compounds

Number TIC's Found: 0

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
	Tentatively Identified Compound		None	

Analytical Data

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Client Sample ID: IDW

Lab Sample ID: 460-40696-1

Date Sampled: 05/24/2012 1322

Client Matrix: Water

Date Received: 05/26/2012 1115

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-114395	Instrument ID:	BNAMS5
Prep Method:	3510C	Prep Batch:	460-114084	Lab File ID:	x26540.d
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	05/30/2012 2118			Final Weight/Volume:	2 mL
Prep Date:	05/29/2012 1037			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Phenol	0.84	U	0.84	10
2-Chlorophenol	2.3	U	2.3	10
2-Methylphenol	1.9	U	1.9	10
4-Methylphenol	1.7	U	1.7	10
2-Nitrophenol	2.5	U	2.5	10
2,4-Dimethylphenol	3.5	U	3.5	10
2,4-Dichlorophenol	2.7	U	2.7	10
4-Chloro-3-methylphenol	2.6	U	2.6	10
2,4,6-Trichlorophenol	2.5	U	2.5	10
2,4,5-Trichlorophenol	2.7	U	2.7	10
2,4-Dinitrophenol	5.6	U	5.6	31
4-Nitrophenol	7.0	U	7.0	31
4,6-Dinitro-2-methylphenol	4.9	U	4.9	31
Pentachlorophenol	5.5	U	5.5	31
Bis(2-chloroethyl)ether	0.29	U	0.29	1.0
1,3-Dichlorobenzene	2.5	U	2.5	10
1,4-Dichlorobenzene	2.6	U	2.6	10
1,2-Dichlorobenzene	2.6	U *	2.6	10
N-Nitrosodi-n-propylamine	0.26	U	0.26	1.0
Hexachloroethane	0.26	U	0.26	1.0
Nitrobenzene	0.31	U	0.31	1.0
Isophorone	2.8	U	2.8	10
Bis(2-chloroethoxy)methane	2.7	U	2.7	10
1,2,4-Trichlorobenzene	0.27	U *	0.27	1.0
Naphthalene	2.8	U	2.8	10
4-Chloroaniline	2.1	U	2.1	10
Hexachlorobutadiene	0.59	U	0.59	2.1
2-Methylnaphthalene	3.1	U	3.1	10
Hexachlorocyclopentadiene	1.8	U	1.8	10
2-Chloronaphthalene	2.8	U	2.8	10
2-Nitroaniline	5.1	U	5.1	21
Dimethyl phthalate	2.9	U	2.9	10
Acenaphthylene	2.8	U	2.8	10
2,6-Dinitrotoluene	0.64	U	0.64	2.1
3-Nitroaniline	5.2	U	5.2	21
Acenaphthene	2.8	U	2.8	10
Dibenzofuran	2.9	U	2.9	10
2,4-Dinitrotoluene	0.49	U	0.49	2.1
Diethyl phthalate	3.0	U	3.0	10
4-Chlorophenyl phenyl ether	2.6	U	2.6	10
Fluorene	2.9	U	2.9	10
4-Nitroaniline	6.0	U	6.0	21
N-Nitrosodiphenylamine	3.0	U	3.0	10
4-Bromophenyl phenyl ether	2.6	U	2.6	10
Hexachlorobenzene	0.30	U	0.30	1.0
Phenanthrene	3.2	U	3.2	10

Analytical Data

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Client Sample ID: IDW

Lab Sample ID: 460-40696-1

Date Sampled: 05/24/2012 1322

Client Matrix: Water

Date Received: 05/26/2012 1115

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-114395	Instrument ID:	BNAMS5
Prep Method:	3510C	Prep Batch:	460-114084	Lab File ID:	x26540.d
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	05/30/2012 2118			Final Weight/Volume:	2 mL
Prep Date:	05/29/2012 1037			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Anthracene	2.9	U	2.9	10
Carbazole	3.3	U	3.3	10
Di-n-butyl phthalate	3.0	U	3.0	10
Fluoranthene	3.3	U	3.3	10
Pyrene	3.0	U	3.0	10
Butyl benzyl phthalate	2.6	U	2.6	10
3,3'-Dichlorobenzidine	5.1	U	5.1	21
Benzo[a]anthracene	0.28	U	0.28	1.0
Chrysene	3.2	U	3.2	10
Bis(2-ethylhexyl) phthalate	2.1	U	2.1	10
Di-n-octyl phthalate	1.6	U	1.6	10
Benzo[b]fluoranthene	0.27	U	0.27	1.0
Benzo[k]fluoranthene	0.27	U	0.27	1.0
Benzo[a]pyrene	0.15	U	0.15	1.0
Indeno[1,2,3-cd]pyrene	0.16	U	0.16	1.0
Dibenz(a,h)anthracene	0.094	U	0.094	1.0
Benzo[g,h,i]perylene	2.1	U	2.1	10
bis (2-chloroisopropyl) ether	2.1	U	2.1	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	78		53 - 108
2-Fluorophenol	45		10 - 65
Phenol-d5	31		10 - 48
Nitrobenzene-d5	90		56 - 112
2,4,6-Tribromophenol	93		46 - 122
Terphenyl-d14	82		50 - 122

Analytical Data

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Client Sample ID: IDW

Lab Sample ID: 460-40696-1

Date Sampled: 05/24/2012 1322

Client Matrix: Water

Date Received: 05/26/2012 1115

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	460-114395	Instrument ID:	BNAMS5
Prep Method:	3510C	Prep Batch:	460-114084	Lab File ID:	x26540.d
Dilution:	1.0			Initial Weight/Volume:	960 mL
Analysis Date:	05/30/2012 2118			Final Weight/Volume:	2 mL
Prep Date:	05/29/2012 1037			Injection Volume:	1 uL

Tentatively Identified Compounds**Number TIC's Found: 3**

Cas Number	Analyte	RT	Est. Result (ug/L)	Qualifier
100-41-4	Ethylbenzene	3.11	14	J N
496-11-7	Indane	4.65	12	J N
2528-36-1	Phosphoric acid, dibutyl phenyl ester	9.18	18	J N

Analytical Data

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Client Sample ID: IDW

Lab Sample ID: 460-40696-1

Date Sampled: 05/24/2012 1322

Client Matrix: Water

Date Received: 05/26/2012 1115

608 Organochlorine Pesticides/PCBs in Water

Analysis Method:	608	Analysis Batch:	460-114367	Instrument ID:	PESTGC6
Prep Method:	608	Prep Batch:	460-114048	Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	05/30/2012 1300			Injection Volume:	
Prep Date:	05/29/2012 0817			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
Aldrin	0.010	U	0.010	0.020
alpha-BHC	0.0061	U	0.0061	0.020
beta-BHC	0.010	U	0.010	0.020
delta-BHC	0.0071	U	0.0071	0.020
gamma-BHC (Lindane)	0.0061	U	0.0061	0.020
Chlordane	0.46	U	0.46	0.51
4,4'-DDD	0.021	U	0.021	0.040
4,4'-DDE	0.010	U	0.010	0.020
4,4'-DDT	0.011	U	0.011	0.020
Dieldrin	0.016	J	0.0061	0.020
Endosulfan I	0.0071	U	0.0071	0.020
Endosulfan II	0.0071	U	0.0071	0.020
Endosulfan sulfate	0.0081	U	0.0081	0.020
Endrin	0.0071	U	0.0071	0.020
Endrin aldehyde	0.010	U	0.010	0.020
Endrin ketone	0.017	U	0.017	0.020
Heptachlor	0.0061	U	0.0061	0.020
Heptachlor epoxide	0.0061	U	0.0061	0.020
Methoxychlor	0.014	U	0.014	0.020
Toxaphene	0.52	U	0.52	1.0
Aroclor 1016	0.15	U	0.15	1.0
Aroclor 1221	0.12	U	0.12	1.0
Aroclor 1232	0.12	U	0.12	1.0
Aroclor 1242	0.16	U	0.16	1.0
Aroclor 1248	0.21	U	0.21	1.0
Aroclor 1254	0.13	U	0.13	1.0
Aroclor 1260	0.12	U	0.12	1.0
Aroclor 1262	0.11	U	0.11	1.0
Aroclor 1268	0.11	U	0.11	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	121		38 - 138
DCB Decachlorobiphenyl	112		17 - 152

Analytical Data

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Client Sample ID: IDW

Lab Sample ID: 460-40696-1

Date Sampled: 05/24/2012 1322

Client Matrix: Water

Date Received: 05/26/2012 1115

608 Organochlorine Pesticides/PCBs in Water

Analysis Method:	608	Analysis Batch:	460-114367	Instrument ID:	PESTGC6
Prep Method:	608	Prep Batch:	460-114048	Initial Weight/Volume:	990 mL
Dilution:	1.0			Final Weight/Volume:	5 mL
Analysis Date:	05/30/2012 1300			Injection Volume:	
Prep Date:	05/29/2012 0817			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
Tetrachloro-m-xylene	110		38 - 138
DCB Decachlorobiphenyl	108		17 - 152

Analytical Data

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Client Sample ID: IDW

Lab Sample ID: 460-40696-1

Client Matrix: Water

Date Sampled: 05/24/2012 1322

Date Received: 05/26/2012 1115

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	460-114185	Instrument ID:	ICP4
Prep Method:	3010A	Prep Batch:	460-114077	Lab File ID:	05292012A.asc
Dilution:	1.0			Initial Weight/Volume:	100 mL
Analysis Date:	05/29/2012 2140			Final Weight/Volume:	100 mL
Prep Date:	05/29/2012 1012				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Arsenic	5.7		3.7	5.0
Barium	518		5.9	200
Cadmium	7.3		0.82	5.0
Chromium	4.5	U	4.5	10.0
Lead	6.4		4.0	5.0
Selenium	5.8	U	5.8	10.0
Silver	1.3	U	1.3	10.0

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	460-114310	Instrument ID:	LEEMAN5
Prep Method:	7470A	Prep Batch:	460-114289	Lab File ID:	114289HG1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	05/30/2012 2316			Final Weight/Volume:	30 mL
Prep Date:	05/30/2012 1752				

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

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

General Chemistry

Client Sample ID: IDW

Lab Sample ID: 460-40696-1

Client Matrix: Water

Date Sampled: 05/24/2012 1322

Date Received: 05/26/2012 1115

Analyte	Result	Qual	Units	Dil	Method
Ignitability	>160		Degrees F	1.0	1020A
	Analysis Batch: 460-114406	Analysis Date: 05/31/2012 1255			
Corrosivity	7.36	HF	SU	1.0	9040B
	Analysis Batch: 460-114411	Analysis Date: 05/31/2012 1200			

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Cyanide, Reactive	25.0	U	mg/L	25.0	25.0	1.0	9014
	Analysis Batch: 460-114431	Analysis Date: 05/31/2012 1320					
	Prep Batch: 460-114429	Prep Date: 05/31/2012 0800					
Sulfide, Reactive	20.0	U	mg/L	20.0	20.0	1.0	9034
	Analysis Batch: 460-114434	Analysis Date: 05/31/2012 1320					
	Prep Batch: 460-114430	Prep Date: 05/31/2012 0800					

DATA REPORTING QUALIFIERS

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	LCS or LCSD exceeds the control limits
	N	This flag indicates the presumptive evidence of a compound.
GC Semi VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
Metals		
	U	Indicates analyzed for but not detected.
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	U	Indicates analyzed for but not detected.

QUALITY CONTROL RESULTS

Quality Control Results

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report			Prep Batch
		Basis	Client Matrix	Method	
GC/MS VOA					
Analysis Batch:460-114377					
LCS 460-114377/3	Lab Control Sample	T	Water	8260B	
MB 460-114377/4	Method Blank	T	Water	8260B	
460-40696-1	IDW	T	Water	8260B	
460-40696-1MS	Matrix Spike	T	Water	8260B	
460-40696-1MSD	Matrix Spike Duplicate	T	Water	8260B	

Report Basis

T = Total

GC/MS Semi VOA

Prep Batch: 460-114084					
LCS 460-114084/2-A	Lab Control Sample	T	Water	3510C	
MB 460-114084/1-A	Method Blank	T	Water	3510C	
460-40696-1	IDW	T	Water	3510C	
Analysis Batch:460-114395					
MB 460-114084/1-A	Method Blank	T	Water	8270C	460-114084
460-40696-1	IDW	T	Water	8270C	460-114084
Analysis Batch:460-114407					
LCS 460-114084/2-A	Lab Control Sample	T	Water	8270C	460-114084

Report Basis

T = Total

GC Semi VOA

Prep Batch: 460-114048					
LCS 460-114048/2-A	Lab Control Sample	T	Water	608	
LCSD 460-114048/3-A	Lab Control Sample Duplicate	T	Water	608	
MB 460-114048/1-A	Method Blank	T	Water	608	
460-40696-1	IDW	T	Water	608	
Analysis Batch:460-114367					
LCS 460-114048/2-A	Lab Control Sample	T	Water	608	460-114048
LCSD 460-114048/3-A	Lab Control Sample Duplicate	T	Water	608	460-114048
MB 460-114048/1-A	Method Blank	T	Water	608	460-114048
460-40696-1	IDW	T	Water	608	460-114048

Report Basis

T = Total

TestAmerica Edison

Quality Control Results

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-114077					
LCS 460-114077/2-A	Lab Control Sample	T	Water	3010A	
MB 460-114077/1-A	Method Blank	T	Water	3010A	
460-40696-1	IDW	T	Water	3010A	
Analysis Batch:460-114185					
LCS 460-114077/2-A	Lab Control Sample	T	Water	6010B	460-114077
MB 460-114077/1-A	Method Blank	T	Water	6010B	460-114077
460-40696-1	IDW	T	Water	6010B	460-114077
Prep Batch: 460-114289					
LCS 460-114289/12-A	Lab Control Sample	T	Water	7470A	
MB 460-114289/11-A	Method Blank	T	Water	7470A	
460-40696-1	IDW	T	Water	7470A	
Analysis Batch:460-114310					
LCS 460-114289/12-A	Lab Control Sample	T	Water	7470A	460-114289
MB 460-114289/11-A	Method Blank	T	Water	7470A	460-114289
460-40696-1	IDW	T	Water	7470A	460-114289

Report Basis

T = Total

Quality Control Results

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:460-114406					
460-40696-1	IDW	T	Water	1020A	
460-40696-1DU	Duplicate	T	Water	1020A	
Analysis Batch:460-114411					
LCS 460-114411/3	Lab Control Sample	T	Water	9040B	
MB 460-114411/2	Method Blank	T	Water	9040B	
460-40696-1	IDW	T	Water	9040B	
Prep Batch: 460-114429					
LCS 460-114429/2-A	Lab Control Sample	T	Water	7.3.3	
MB 460-114429/1-A	Method Blank	T	Water	7.3.3	
460-40696-1	IDW	T	Water	7.3.3	
460-40696-1DU	Duplicate	T	Water	7.3.3	
Prep Batch: 460-114430					
LCS 460-114430/2-A	Lab Control Sample	T	Water	7.3.4	
MB 460-114430/1-A	Method Blank	T	Water	7.3.4	
460-40696-1	IDW	T	Water	7.3.4	
460-40696-1MS	Matrix Spike	T	Water	7.3.4	
460-40696-1MSD	Matrix Spike Duplicate	T	Water	7.3.4	
Analysis Batch:460-114431					
LCS 460-114429/2-A	Lab Control Sample	T	Water	9014	460-114429
MB 460-114429/1-A	Method Blank	T	Water	9014	460-114429
460-40696-1	IDW	T	Water	9014	460-114429
460-40696-1DU	Duplicate	T	Water	9014	460-114429
Analysis Batch:460-114434					
LCS 460-114430/2-A	Lab Control Sample	T	Water	9034	460-114430
MB 460-114430/1-A	Method Blank	T	Water	9034	460-114430
460-40696-1	IDW	T	Water	9034	460-114430
460-40696-1MS	Matrix Spike	T	Water	9034	460-114430
460-40696-1MSD	Matrix Spike Duplicate	T	Water	9034	460-114430

Report Basis

T = Total

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Surrogate Recovery Report**8260B Volatile Organic Compounds (GC/MS)****Client Matrix: Water**

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	TOL %Rec
460-40696-1	IDW	116	99	99
MB 460-114377/4		115	99	98
LCS 460-114377/3		117	98	97
460-40696-1 MS	IDW MS	114	100	98
460-40696-1 MSD	IDW MSD	114	99	99

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

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	2FP %Rec	PHL %Rec	NBZ %Rec	TBP %Rec	TPH %Rec
460-40696-1	IDW	78	45	31	90	93	82
MB 460-114084/1-A		89	50	34	104	94	92
LCS 460-114084/2-A		86	50	32	95	91	89

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	53-108
2FP = 2-Fluorophenol	10-65
PHL = Phenol-d5	10-48
NBZ = Nitrobenzene-d5	56-112
TBP = 2,4,6-Tribromophenol	46-122
TPH = Terphenyl-d14	50-122

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Surrogate Recovery Report

608 Organochlorine Pesticides/PCBs in Water

Client Matrix: Water

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
460-40696-1	IDW	110	121	108	112
MB 460-114048/1-A		95	95	96	101
LCS 460-114048/2-A		101	96	95	98
LCSD 460-114048/3-A		94	88	89	93

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	38-138
DCB = DCB Decachlorobiphenyl	17-152

Quality Control Results

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Method Blank - Batch: 460-114377

Method: 8260B

Preparation: 5030B

Lab Sample ID: MB 460-114377/4
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/31/2012 1040
 Prep Date: 05/31/2012 1040
 Leach Date: N/A

Analysis Batch: 460-114377
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: VOAMS3
 Lab File ID: c68797.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Chloromethane	0.10	U	0.10	1.0
Bromomethane	0.18	U	0.18	1.0
Vinyl chloride	0.14	U	0.14	1.0
Chloroethane	0.17	U	0.17	1.0
Methylene Chloride	0.18	U	0.18	1.0
Acetone	2.7	U	2.7	5.0
Carbon disulfide	0.13	U	0.13	1.0
1,1-Dichloroethene	0.090	U	0.090	1.0
1,1-Dichloroethane	0.13	U	0.13	1.0
trans-1,2-Dichloroethene	0.13	U	0.13	1.0
cis-1,2-Dichloroethene	0.18	U	0.18	1.0
Chloroform	0.080	U	0.080	1.0
1,2-Dichloroethane	0.19	U	0.19	1.0
2-Butanone	2.3	U	2.3	5.0
1,1,1-Trichloroethane	0.060	U	0.060	1.0
Carbon tetrachloride	0.060	U	0.060	1.0
Bromodichloromethane	0.12	U	0.12	1.0
1,2-Dichloropropane	0.090	U	0.090	1.0
cis-1,3-Dichloropropene	0.18	U	0.18	1.0
Trichloroethene	0.090	U	0.090	1.0
Dibromochloromethane	0.20	U	0.20	1.0
1,1,2-Trichloroethane	0.19	U	0.19	1.0
Benzene	0.080	U	0.080	1.0
trans-1,3-Dichloropropene	0.24	U	0.24	1.0
Bromoform	0.19	U	0.19	1.0
4-Methyl-2-pentanone	0.99	U	0.99	5.0
2-Hexanone	0.50	U	0.50	5.0
Tetrachloroethene	0.10	U	0.10	1.0
1,1,2,2-Tetrachloroethane	0.16	U	0.16	1.0
Toluene	0.15	U	0.15	1.0
Chlorobenzene	0.11	U	0.11	1.0
Ethylbenzene	0.10	U	0.10	1.0
Styrene	0.12	U	0.12	1.0
Xylenes, Total	0.36	U	0.36	3.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115	70 - 130
Bromofluorobenzene	99	70 - 130
Toluene-d8 (Surr)	98	70 - 130

Quality Control Results

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Method Blank TICs- Batch: 460-114377

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Quality Control Results

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Lab Control Sample - Batch: 460-114377

Method: 8260B

Preparation: 5030B

Lab Sample ID: LCS 460-114377/3
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/31/2012 0918
 Prep Date: 05/31/2012 0918
 Leach Date: N/A

Analysis Batch: 460-114377
 Prep Batch: N/A
 Leach Batch: N/A
 Units: ug/L

Instrument ID: VOAMS3
 Lab File ID: c68794.d
 Initial Weight/Volume: 5 mL
 Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloromethane	20.0	14.3	71	58 - 146	
Bromomethane	20.0	14.7	73	55 - 153	
Vinyl chloride	20.0	14.0	70	61 - 144	
Chloroethane	20.0	15.9	79	69 - 145	
Methylene Chloride	20.0	16.8	84	79 - 119	
Acetone	20.0	22.5	112	45 - 156	
Carbon disulfide	20.0	15.0	75	58 - 139	
1,1-Dichloroethene	20.0	17.9	89	56 - 139	
1,1-Dichloroethane	20.0	17.8	89	78 - 122	
trans-1,2-Dichloroethene	20.0	16.4	82	75 - 122	
cis-1,2-Dichloroethene	20.0	16.8	84	80 - 120	
Chloroform	20.0	19.8	99	82 - 123	
1,2-Dichloroethane	20.0	21.9	110	74 - 118	
2-Butanone	20.0	19.6	98	65 - 114	
1,1,1-Trichloroethane	20.0	20.5	102	74 - 128	
Carbon tetrachloride	20.0	19.6	98	73 - 120	
Bromodichloromethane	20.0	19.6	98	79 - 119	
1,2-Dichloropropane	20.0	17.7	88	80 - 120	
cis-1,3-Dichloropropene	20.0	17.4	87	80 - 120	
Trichloroethene	20.0	18.1	90	78 - 119	
Dibromochloromethane	20.0	17.6	88	80 - 120	
1,1,2-Trichloroethane	20.0	17.5	87	79 - 119	
Benzene	20.0	17.2	86	83 - 124	
trans-1,3-Dichloropropene	20.0	16.8	84	78 - 118	
Bromoform	20.0	17.1	85	73 - 123	
4-Methyl-2-pentanone	20.0	16.7	84	53 - 120	
2-Hexanone	20.0	17.3	86	53 - 121	
Tetrachloroethene	20.0	17.9	89	68 - 139	
1,1,2,2-Tetrachloroethane	20.0	16.8	84	74 - 126	
Toluene	20.0	17.1	86	80 - 120	
Chlorobenzene	20.0	17.8	89	81 - 121	
Ethylbenzene	20.0	18.1	90	79 - 126	
Styrene	20.0	18.0	90	69 - 112	
Xylenes, Total	60.0	54.7	91	76 - 121	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	117	70 - 130
Bromofluorobenzene	98	70 - 130
Toluene-d8 (Surr)	97	70 - 130

Quality Control Results

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-114377**

**Method: 8260B
Preparation: 5030B**

MS Lab Sample ID: 460-40696-1	Analysis Batch: 460-114377	Instrument ID: VOAMS3
Client Matrix: Water	Prep Batch: N/A	Lab File ID: c68799.d
Dilution: 5.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 05/31/2012 1127		Final Weight/Volume: 5 mL
Prep Date: 05/31/2012 1127		
Leach Date: N/A		

MSD Lab Sample ID: 460-40696-1	Analysis Batch: 460-114377	Instrument ID: VOAMS3
Client Matrix: Water	Prep Batch: N/A	Lab File ID: c68800.d
Dilution: 5.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 05/31/2012 1150		Final Weight/Volume: 5 mL
Prep Date: 05/31/2012 1150		
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Chloromethane	87	97	58 - 146	10	30		
Bromomethane	87	91	55 - 153	4	30		
Vinyl chloride	92	98	61 - 144	6	30		
Chloroethane	97	89	69 - 145	8	30		
Methylene Chloride	89	86	79 - 119	3	30		
Acetone	104	109	45 - 156	4	30		
Carbon disulfide	91	92	58 - 139	1	30		
1,1-Dichloroethene	95	95	56 - 139	0	30		
1,1-Dichloroethane	93	91	78 - 122	2	30		
trans-1,2-Dichloroethene	85	87	75 - 122	3	30		
cis-1,2-Dichloroethene	88	89	80 - 120	1	30		
Chloroform	99	100	82 - 123	1	30		
1,2-Dichloroethane	109	113	74 - 118	4	30		
2-Butanone	95	95	65 - 114	1	30		
1,1,1-Trichloroethane	103	107	74 - 128	3	30		
Carbon tetrachloride	99	104	73 - 120	5	30		
Bromodichloromethane	96	99	79 - 119	2	30		
1,2-Dichloropropane	88	90	80 - 120	2	30		
cis-1,3-Dichloropropene	88	92	80 - 120	5	30		
Trichloroethene	93	89	78 - 119	4	30		
Dibromochloromethane	89	93	80 - 120	4	30		
1,1,2-Trichloroethane	85	92	79 - 119	8	30		
Benzene	90	91	83 - 124	2	30		
trans-1,3-Dichloropropene	87	92	78 - 118	5	30		
Bromoform	81	86	73 - 123	6	30		
4-Methyl-2-pentanone	83	86	53 - 120	3	30		
2-Hexanone	80	90	53 - 121	12	30		
Tetrachloroethene	100	98	68 - 139	1	30		
1,1,2,2-Tetrachloroethane	85	88	74 - 126	3	30		
Toluene	86	90	80 - 120	4	30		
Chlorobenzene	93	94	81 - 121	1	30		
Ethylbenzene	92	93	79 - 126	1	30		

Quality Control Results

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Matrix Spike/

Matrix Spike Duplicate Recovery Report - Batch: 460-114377

Method: 8260B

Preparation: 5030B

MS Lab Sample ID:	460-40696-1	Analysis Batch:	460-114377	Instrument ID:	VOAMS3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	c68799.d
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/31/2012 1127			Final Weight/Volume:	5 mL
Prep Date:	05/31/2012 1127				
Leach Date:	N/A				

MSD Lab Sample ID:	460-40696-1	Analysis Batch:	460-114377	Instrument ID:	VOAMS3
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	c68800.d
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	05/31/2012 1150			Final Weight/Volume:	5 mL
Prep Date:	05/31/2012 1150				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Styrene	92	95	69 - 112	3	30		
Xylenes, Total	93	96	76 - 121	2	30		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	114		114		70 - 130		
Bromofluorobenzene	100		99		70 - 130		
Toluene-d8 (Surr)	98		99		70 - 130		

Quality Control Results

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Method Blank - Batch: 460-114084

Method: 8270C

Preparation: 3510C

Lab Sample ID: MB 460-114084/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 05/30/2012 2055
Prep Date: 05/29/2012 1037
Leach Date: N/A

Analysis Batch: 460-114395
Prep Batch: 460-114084
Leach Batch: N/A
Units: ug/L

Instrument ID: BNAMS5
Lab File ID: x26539.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Phenol	0.81	U	0.81	10
2-Chlorophenol	2.2	U	2.2	10
2-Methylphenol	1.8	U	1.8	10
4-Methylphenol	1.6	U	1.6	10
2-Nitrophenol	2.4	U	2.4	10
2,4-Dimethylphenol	3.4	U	3.4	10
2,4-Dichlorophenol	2.6	U	2.6	10
4-Chloro-3-methylphenol	2.5	U	2.5	10
2,4,6-Trichlorophenol	2.4	U	2.4	10
2,4,5-Trichlorophenol	2.6	U	2.6	10
2,4-Dinitrophenol	5.4	U	5.4	30
4-Nitrophenol	6.7	U	6.7	30
4,6-Dinitro-2-methylphenol	4.7	U	4.7	30
Pentachlorophenol	5.3	U	5.3	30
Bis(2-chloroethyl)ether	0.28	U	0.28	1.0
1,3-Dichlorobenzene	2.4	U	2.4	10
1,4-Dichlorobenzene	2.5	U	2.5	10
1,2-Dichlorobenzene	2.5	U	2.5	10
N-Nitrosodi-n-propylamine	0.25	U	0.25	1.0
Hexachloroethane	0.25	U	0.25	1.0
Nitrobenzene	0.30	U	0.30	1.0
Isophorone	2.7	U	2.7	10
Bis(2-chloroethoxy)methane	2.6	U	2.6	10
1,2,4-Trichlorobenzene	0.26	U	0.26	1.0
Naphthalene	2.7	U	2.7	10
4-Chloroaniline	2.0	U	2.0	10
Hexachlorobutadiene	0.57	U	0.57	2.0
2-Methylnaphthalene	3.0	U	3.0	10
Hexachlorocyclopentadiene	1.7	U	1.7	10
2-Chloronaphthalene	2.7	U	2.7	10
2-Nitroaniline	4.9	U	4.9	20
Dimethyl phthalate	2.8	U	2.8	10
Acenaphthylene	2.7	U	2.7	10
2,6-Dinitrotoluene	0.61	U	0.61	2.0
3-Nitroaniline	5.0	U	5.0	20
Acenaphthene	2.7	U	2.7	10
Dibenzofuran	2.8	U	2.8	10
2,4-Dinitrotoluene	0.47	U	0.47	2.0
Diethyl phthalate	2.9	U	2.9	10
4-Chlorophenyl phenyl ether	2.5	U	2.5	10
Fluorene	2.8	U	2.8	10
4-Nitroaniline	5.8	U	5.8	20
N-Nitrosodiphenylamine	2.9	U	2.9	10
4-Bromophenyl phenyl ether	2.5	U	2.5	10
Hexachlorobenzene	0.29	U	0.29	1.0

Quality Control Results

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Method Blank - Batch: 460-114084

Method: 8270C
Preparation: 3510C

Lab Sample ID: MB 460-114084/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 05/30/2012 2055
Prep Date: 05/29/2012 1037
Leach Date: N/A

Analysis Batch: 460-114395
Prep Batch: 460-114084
Leach Batch: N/A
Units: ug/L

Instrument ID: BNAMS5
Lab File ID: x26539.d
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Phenanthrene	3.1	U	3.1	10
Anthracene	2.8	U	2.8	10
Carbazole	3.2	U	3.2	10
Di-n-butyl phthalate	2.9	U	2.9	10
Fluoranthene	3.2	U	3.2	10
Pyrene	2.9	U	2.9	10
Butyl benzyl phthalate	2.5	U	2.5	10
3,3'-Dichlorobenzidine	4.9	U	4.9	20
Benzo[a]anthracene	0.27	U	0.27	1.0
Chrysene	3.1	U	3.1	10
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	10
Di-n-octyl phthalate	1.5	U	1.5	10
Benzo[b]fluoranthene	0.26	U	0.26	1.0
Benzo[k]fluoranthene	0.26	U	0.26	1.0
Benzo[a]pyrene	0.14	U	0.14	1.0
Indeno[1,2,3-cd]pyrene	0.15	U	0.15	1.0
Dibenz(a,h)anthracene	0.090	U	0.090	1.0
Benzo[g,h,i]perylene	2.0	U	2.0	10
bis (2-chloroisopropyl) ether	2.0	U	2.0	10

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	89	53 - 108
2-Fluorophenol	50	10 - 65
Phenol-d5	34	10 - 48
Nitrobenzene-d5	104	56 - 112
2,4,6-Tribromophenol	94	46 - 122
Terphenyl-d14	92	50 - 122

Method Blank TICs- Batch: 460-114084

Cas Number	Analyte	RT	Est. Result	Qual
	Tentatively Identified Compound		None	

Quality Control Results

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Lab Control Sample - Batch: 460-114084

Method: 8270C

Preparation: 3510C

Lab Sample ID:	LCS 460-114084/2-A	Analysis Batch:	460-114407	Instrument ID:	BNAMS5
Client Matrix:	Water	Prep Batch:	460-114084	Lab File ID:	x26571.d
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1000 mL
Analysis Date:	05/31/2012 1456	Units:	ug/L	Final Weight/Volume:	2 mL
Prep Date:	05/29/2012 1037			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Phenol	100	34.4	34	12 - 44	
2-Chlorophenol	100	91.3	91	53 - 101	
2-Methylphenol	100	77.0	77	40 - 90	
4-Methylphenol	100	64.7	65	30 - 75	
2-Nitrophenol	100	95.1	95	65 - 107	
2,4-Dimethylphenol	100	86.5	86	55 - 100	
2,4-Dichlorophenol	100	98.0	98	64 - 107	
4-Chloro-3-methylphenol	100	90.6	91	57 - 106	
2,4,6-Trichlorophenol	100	89.3	89	67 - 111	
2,4,5-Trichlorophenol	100	91.7	92	67 - 114	
2,4-Dinitrophenol	100	95.0	95	19 - 113	
4-Nitrophenol	100	29.1	29	10 - 44	J
4,6-Dinitro-2-methylphenol	100	99.8	100	58 - 115	
Pentachlorophenol	100	98.4	98	55 - 116	
Bis(2-chloroethyl)ether	100	102	102	62 - 108	
1,3-Dichlorobenzene	100	84.7	85	54 - 97	
1,4-Dichlorobenzene	100	83.7	84	56 - 98	
1,2-Dichlorobenzene	100	102	102	57 - 98	*
N-Nitrosodi-n-propylamine	100	95.1	95	70 - 109	
Hexachloroethane	100	86.7	87	50 - 99	
Nitrobenzene	100	101	101	66 - 106	
Isophorone	100	79.4	79	68 - 108	
Bis(2-chloroethoxy)methane	100	92.2	92	69 - 108	
1,2,4-Trichlorobenzene	100	98.9	99	58 - 98	*
Naphthalene	100	99.5	99	63 - 101	
4-Chloroaniline	100	79.2	79	58 - 105	
Hexachlorobutadiene	100	96.5	97	52 - 99	
2-Methylnaphthalene	100	86.8	87	66 - 102	
Hexachlorocyclopentadiene	100	70.2	70	40 - 105	
2-Chloronaphthalene	100	87.1	87	65 - 107	
2-Nitroaniline	100	102	102	73 - 116	
Dimethyl phthalate	100	91.4	91	69 - 111	
Acenaphthylene	100	86.8	87	67 - 107	
2,6-Dinitrotoluene	100	95.7	96	68 - 114	
3-Nitroaniline	100	91.6	92	59 - 108	
Acenaphthene	100	105	105	66 - 108	
Dibenzofuran	100	99.5	100	68 - 105	
2,4-Dinitrotoluene	100	89.8	90	65 - 113	
Diethyl phthalate	100	89.0	89	66 - 109	
4-Chlorophenyl phenyl ether	100	94.2	94	68 - 105	
Fluorene	100	94.1	94	68 - 105	

Quality Control Results

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Lab Control Sample - Batch: 460-114084

Method: 8270C

Preparation: 3510C

Lab Sample ID: LCS 460-114084/2-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/31/2012 1456
 Prep Date: 05/29/2012 1037
 Leach Date: N/A

Analysis Batch: 460-114407
 Prep Batch: 460-114084
 Leach Batch: N/A
 Units: ug/L

Instrument ID: BNAMS5
 Lab File ID: x26571.d
 Initial Weight/Volume: 1000 mL
 Final Weight/Volume: 2 mL
 Injection Volume: 1 uL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4-Nitroaniline	100	90.1	90	49 - 119	
N-Nitrosodiphenylamine	100	99.8	100	71 - 121	
4-Bromophenyl phenyl ether	100	93.6	94	66 - 110	
Hexachlorobenzene	100	91.9	92	65 - 107	
Phenanthrene	100	104	104	68 - 110	
Anthracene	100	102	102	68 - 108	
Carbazole	100	97.7	98	67 - 110	
Di-n-butyl phthalate	100	91.7	92	68 - 111	
Fluoranthene	100	93.7	94	68 - 108	
Pyrene	100	88.7	89	61 - 110	
Butyl benzyl phthalate	100	96.4	96	66 - 115	
3,3'-Dichlorobenzidine	100	121	121	69 - 129	
Benzo[a]anthracene	100	91.8	92	65 - 106	
Chrysene	100	97.0	97	68 - 112	
Bis(2-ethylhexyl) phthalate	100	97.0	97	66 - 114	
Di-n-octyl phthalate	100	84.2	84	51 - 115	
Benzo[b]fluoranthene	100	82.9	83	65 - 111	
Benzo[k]fluoranthene	100	83.6	84	66 - 114	
Benzo[a]pyrene	100	88.2	88	58 - 101	
Indeno[1,2,3-cd]pyrene	100	75.4	75	68 - 121	
Dibenz(a,h)anthracene	100	84.5	85	67 - 124	
Benzo[g,h,i]perylene	100	97.6	98	65 - 134	
bis (2-chloroisopropyl) ether	100	99.2	99	68 - 107	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	86	53 - 108
2-Fluorophenol	50	10 - 65
Phenol-d5	32	10 - 48
Nitrobenzene-d5	95	56 - 112
2,4,6-Tribromophenol	91	46 - 122
Terphenyl-d14	89	50 - 122

Quality Control Results

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Method Blank - Batch: 460-114048

Method: 608

Preparation: 608

Lab Sample ID: MB 460-114048/1-A
 Client Matrix: Water
 Dilution: 1.0
 Analysis Date: 05/30/2012 1118
 Prep Date: 05/29/2012 0817
 Leach Date: N/A

Analysis Batch: 460-114367
 Prep Batch: 460-114048
 Leach Batch: N/A
 Units: ug/L

Instrument ID: PESTGC6
 Lab File ID: nr095677.d
 Initial Weight/Volume: 1000 mL
 Final Weight/Volume: 5 mL
 Injection Volume:
 Column ID: PRIMARY

Analyte	Result	Qual	MDL	RL
Aldrin	0.010	U	0.010	0.020
alpha-BHC	0.0060	U	0.0060	0.020
beta-BHC	0.010	U	0.010	0.020
delta-BHC	0.0070	U	0.0070	0.020
gamma-BHC (Lindane)	0.0060	U	0.0060	0.020
Chlordane	0.46	U	0.46	0.50
4,4'-DDD	0.021	U	0.021	0.040
4,4'-DDE	0.010	U	0.010	0.020
4,4'-DDT	0.011	U	0.011	0.020
Dieldrin	0.0060	U	0.0060	0.020
Endosulfan I	0.0070	U	0.0070	0.020
Endosulfan II	0.0070	U	0.0070	0.020
Endosulfan sulfate	0.0080	U	0.0080	0.020
Endrin	0.0070	U	0.0070	0.020
Endrin aldehyde	0.010	U	0.010	0.020
Endrin ketone	0.017	U	0.017	0.020
Heptachlor	0.0060	U	0.0060	0.020
Heptachlor epoxide	0.0060	U	0.0060	0.020
Methoxychlor	0.014	U	0.014	0.020
Toxaphene	0.51	U	0.51	1.0
Aroclor 1016	0.15	U	0.15	1.0
Aroclor 1221	0.12	U	0.12	1.0
Aroclor 1232	0.12	U	0.12	1.0
Aroclor 1242	0.16	U	0.16	1.0
Aroclor 1248	0.21	U	0.21	1.0
Aroclor 1254	0.13	U	0.13	1.0
Aroclor 1260	0.12	U	0.12	1.0
Aroclor 1262	0.11	U	0.11	1.0
Aroclor 1268	0.11	U	0.11	1.0
alpha-Chlordane	0.0080	U	0.0080	0.020
gamma-Chlordane	0.0070	U	0.0070	0.020

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	95	38 - 138
DCB Decachlorobiphenyl	101	17 - 152

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	95	38 - 138
DCB Decachlorobiphenyl	96	17 - 152

Quality Control Results

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 460-114048

Method: 608

Preparation: 608

LCS Lab Sample ID: LCS 460-114048/2-A	Analysis Batch: 460-114367	Instrument ID: PESTGC6
Client Matrix: Water	Prep Batch: 460-114048	Lab File ID: nf095678.d
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 1000 mL
Analysis Date: 05/30/2012 1130	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 05/29/2012 0817		Injection Volume:
Leach Date: N/A		Column ID: PRIMARY

LCSD Lab Sample ID: LCSD 460-114048/3-A	Analysis Batch: 460-114367	Instrument ID: PESTGC6
Client Matrix: Water	Prep Batch: 460-114048	Lab File ID: nf095679.d
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 1000 mL
Analysis Date: 05/30/2012 1143	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 05/29/2012 0817		Injection Volume:
Leach Date: N/A		Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Aldrin	97	95	42 - 122	2	40		
alpha-BHC	104	102	37 - 134	2	40		
beta-BHC	109	107	17 - 147	2	40		
delta-BHC	108	105	19 - 140	3	40		
gamma-BHC (Lindane)	103	101	32 - 127	2	40		
4,4'-DDD	104	101	31 - 141	3	40		
4,4'-DDE	101	102	30 - 145	1	40		
4,4'-DDT	100	99	25 - 160	0	40		
Dieldrin	92	92	36 - 146	0	40		
Endosulfan I	110	111	45 - 153	1	40		
Endosulfan II	106	104	1 - 202	1	40		
Endosulfan sulfate	103	101	26 - 144	2	40		
Endrin	100	98	30 - 147	3	40		
Endrin aldehyde	110	107	10 - 150	2	40		
Endrin ketone	106	104	62 - 138	2	40		
Heptachlor	98	97	34 - 111	1	40		
Heptachlor epoxide	102	100	37 - 142	2	40		
Methoxychlor	112	111	36 - 166	1	40		
alpha-Chlordane	101	100	60 - 120	1	40		
gamma-Chlordane	102	100	57 - 124	2	40		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Tetrachloro-m-xylene	101		94		38 - 138		
DCB Decachlorobiphenyl	98		93		17 - 152		

Quality Control Results

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

**Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 460-114048**

**Method: 608
Preparation: 608**

LCS Lab Sample ID: LCS 460-114048/2-A	Analysis Batch: 460-114367	Instrument ID: PESTGC6
Client Matrix: Water	Prep Batch: 460-114048	Lab File ID: nr095678.d
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 1000 mL
Analysis Date: 05/30/2012 1130	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 05/29/2012 0817		Injection Volume:
Leach Date: N/A		Column ID: SECONDARY

LCSD Lab Sample ID: LCSD 460-114048/3-A	Analysis Batch: 460-114367	Instrument ID: PESTGC6
Client Matrix: Water	Prep Batch: 460-114048	Lab File ID: nr095679.d
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 1000 mL
Analysis Date: 05/30/2012 1143	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 05/29/2012 0817		Injection Volume:
Leach Date: N/A		Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Aldrin	94	92	42 - 122	2	40		
alpha-BHC	104	102	37 - 134	2	40		
beta-BHC	101	100	17 - 147	1	40		
delta-BHC	104	101	19 - 140	3	40		
gamma-BHC (Lindane)	100	96	32 - 127	3	40		
4,4'-DDD	98	95	31 - 141	3	40		
4,4'-DDE	95	90	30 - 145	6	40		
4,4'-DDT	99	98	25 - 160	1	40		
Dieldrin	88	86	36 - 146	1	40		
Endosulfan I	97	96	45 - 153	1	40		
Endosulfan II	96	95	1 - 202	1	40		
Endosulfan sulfate	101	99	26 - 144	2	40		
Endrin	99	96	30 - 147	2	40		
Endrin aldehyde	99	98	10 - 150	2	40		
Endrin ketone	102	100	62 - 138	2	40		
Heptachlor	97	96	34 - 111	1	40		
Heptachlor epoxide	100	98	37 - 142	2	40		
Methoxychlor	100	98	36 - 166	2	40		
alpha-Chlordane	96	95	60 - 120	2	40		
gamma-Chlordane	98	96	57 - 124	2	40		
Surrogate	LCS % Rec		LCSD % Rec		Acceptance Limits		
Tetrachloro-m-xylene	96		88		38 - 138		
DCB Decachlorobiphenyl	95		89		17 - 152		

Quality Control Results

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Method Blank - Batch: 460-114077

Method: 6010B

Preparation: 3010A

Lab Sample ID: MB 460-114077/1-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 05/29/2012 2027
Prep Date: 05/29/2012 1012
Leach Date: N/A

Analysis Batch: 460-114185
Prep Batch: 460-114077
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP4
Lab File ID: 05292012A.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Result	Qual	MDL	RL
Arsenic	3.7	U	3.7	5.0
Barium	5.9	U	5.9	200
Cadmium	0.82	U	0.82	5.0
Chromium	4.5	U	4.5	10.0
Lead	4.0	U	4.0	5.0
Selenium	5.8	U	5.8	10.0
Silver	1.3	U	1.3	10.0

Lab Control Sample - Batch: 460-114077

Method: 6010B

Preparation: 3010A

Lab Sample ID: LCS 460-114077/2-A
Client Matrix: Water
Dilution: 1.0
Analysis Date: 05/29/2012 2017
Prep Date: 05/29/2012 1012
Leach Date: N/A

Analysis Batch: 460-114185
Prep Batch: 460-114077
Leach Batch: N/A
Units: ug/L

Instrument ID: ICP4
Lab File ID: 05292012A.asc
Initial Weight/Volume: 100 mL
Final Weight/Volume: 100 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	2000	1931	97	80 - 120	
Barium	2000	2047	102	80 - 120	
Cadmium	50.0	51.44	103	80 - 120	
Chromium	200	201.9	101	80 - 120	
Lead	500	524.0	105	80 - 120	
Selenium	2000	1890	95	80 - 120	
Silver	50.0	46.69	93	80 - 120	

Quality Control Results

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Method Blank - Batch: 460-114289

Method: 7470A Preparation: 7470A

Lab Sample ID:	MB 460-114289/11-A	Analysis Batch:	460-114310	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-114289	Lab File ID:	114289HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	05/30/2012 2250	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	05/30/2012 1752				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.16	U	0.16	0.20

Lab Control Sample - Batch: 460-114289

Method: 7470A Preparation: 7470A

Lab Sample ID:	LCS 460-114289/12-A	Analysis Batch:	460-114310	Instrument ID:	LEEMAN5
Client Matrix:	Water	Prep Batch:	460-114289	Lab File ID:	114289HG1.PRN
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30 mL
Analysis Date:	05/30/2012 2252	Units:	ug/L	Final Weight/Volume:	30 mL
Prep Date:	05/30/2012 1752				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	1.00	0.984	98	80 - 120	

Quality Control Results

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Duplicate - Batch: 460-114406

Method: 1020A
Preparation: N/A

Lab Sample ID:	460-40696-1	Analysis Batch:	460-114406	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/31/2012 1303	Units:	Degrees F	Final Weight/Volume:	1.0 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Ignitability	>160	>160	NC	10	

Quality Control Results

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Method Blank - Batch: 460-114429

Method: 9014
Preparation: 7.3.3

Lab Sample ID:	MB 460-114429/1-A	Analysis Batch:	460-114431	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	460-114429	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	05/31/2012 1320	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/31/2012 0800				
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Cyanide, Reactive	25.0	U	25.0	25.0

Lab Control Sample - Batch: 460-114429

Method: 9014
Preparation: 7.3.3

Lab Sample ID:	LCS 460-114429/2-A	Analysis Batch:	460-114431	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	460-114429	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	05/31/2012 1320	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/31/2012 0800				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cyanide, Reactive	39.8	25.0	12	10 - 100	U

Duplicate - Batch: 460-114429

Method: 9014
Preparation: 7.3.3

Lab Sample ID:	460-40696-1	Analysis Batch:	460-114431	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	460-114429	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	05/31/2012 1320	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/31/2012 0800				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cyanide, Reactive	25.0 U	25.0	NC	10	U

Quality Control Results

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Method Blank - Batch: 460-114430

Method: 9034

Preparation: 7.3.4

Lab Sample ID:	MB 460-114430/1-A	Analysis Batch:	460-114434	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	460-114430	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	05/31/2012 1320	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/31/2012 0800				
Leach Date:	N/A				

Analyte	Result	Qual	RL	RL
Sulfide, Reactive	20.0	U	20.0	20.0

Lab Control Sample - Batch: 460-114430

Method: 9034

Preparation: 7.3.4

Lab Sample ID:	LCS 460-114430/2-A	Analysis Batch:	460-114434	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	460-114430	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	05/31/2012 1320	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/31/2012 0800				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfide, Reactive	22.5	23.40	104	70 - 130	

Matrix Spike/

Method: 9034

Matrix Spike Duplicate Recovery Report - Batch: 460-114430

Preparation: 7.3.4

MS Lab Sample ID:	460-40696-1	Analysis Batch:	460-114434	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	460-114430	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	05/31/2012 1320			Final Weight/Volume:	50 mL
Prep Date:	05/31/2012 0800				
Leach Date:	N/A				

MSD Lab Sample ID:	460-40696-1	Analysis Batch:	460-114434	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	460-114430	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	10 mL
Analysis Date:	05/31/2012 1320			Final Weight/Volume:	50 mL
Prep Date:	05/31/2012 0800				
Leach Date:	N/A				

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Sulfide, Reactive	53	53	40 - 150	0	10		

Quality Control Results

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Method Blank - Batch: 460-114411

Method: 9040B
Preparation: N/A

Lab Sample ID:	MB 460-114411/2	Analysis Batch:	460-114411	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/31/2012 1150	Units:	SU	Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	NONE	NONE
Corrosivity	5.840			

Lab Control Sample - Batch: 460-114411

Method: 9040B
Preparation: N/A

Lab Sample ID:	LCS 460-114411/3	Analysis Batch:	460-114411	Instrument ID:	No Equipment
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	05/31/2012 1151	Units:	SU	Final Weight/Volume:	20 mL
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Corrosivity	7.03	7.030	100	95 - 105	

Job No. 40636

Sample No.	(pH<2)	(pH<2)	(pH<2)	(pH 5-9)	(pH<2)	(pH<2)	(pH>9)	(pH<2)	(pH<2)	(pH<12)	(pH<2)
(pH<2)	(pH<2)	(pH<2)	(pH<2)	(pH 5-9)	(pH<2)	(pH<2)	(pH>9)	(pH<2)	(pH<2)	(pH<12)	(pH<2)

[illegible]

Sample No(s). adjusted: _____

Lot # of Preservative: _____

Expiration Date: _____

Initials: W

Date: 3/26/13

Login Sample Receipt Checklist

Client: Long Island Environmental Assessment

Job Number: 460-40696-1

Login Number: 40696

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	4.1 ° 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.