ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
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Tel: (716)691-2600

TestAmerica Job ID: 480-148378-1
Client Project/Site: NYSDEC -Fresh and Clean Laundry
Revision: 1

For:
D&B Engineers and Architects, P.C.
330 Crossways Park Drive
Woodbury, New York 11797

Attn: Mr. Anthony Caniano

Authorized for release by:
2/26/2019 10:43:26 AM

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Definitions/Glossary

Client: D&B Engineers and Architects, P.C.
Project/Site: NYSDEC -Fresh and Clean Laundry

TestAmerica Job ID: 480-148378-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Job ID: 480-148378-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-148378-1

Revision I
This report was revised to include the TCL VOCs list and 10 TICs.

Receipt
The sample was received on 1/26/2019 9:15 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-457028 recovered above the upper control limit for 2-Butanone (MEK) and 2-Hexanone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: WC-01 (480-148378-1) and (LB 480-456950/1-A).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-457028 recovered outside acceptance criteria, low biased, for Cyclohexane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method(s) 8260C: The laboratory control sample (LCS) for preparation batch 480-456950 and analytical batch 480-457028 recovered outside control limits for the following analytes: Acetone. This analyte was added after the sample had been analyzed.

Method(s) 8260C: The levels of Acetone found in the TCLP sample and blank extracts are >100x less than the regulatory limit, therefore the data has been reported and flagged accordingly. The following samples are impacted: WC-01 (480-148378-1) and (LB 480-456950/1-A). Acetone was added after analysis.

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

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) associated with batch 480-457110 recovered outside acceptance criteria, low biased, for Pentachlorophenol. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The following sample is impacted: WC-01 (480-148378-1).

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

GC Semi VOA
Method(s) 8081B: All primary data for analytical batch 457088 is reported from the RTX-CLPI column.

Method(s) 8151A: All primary data for analytical batch 457174 is reported from the RTX-CLPI column.

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

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

General Chemistry
Method(s) 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: WC-01 (480-148378-1).

Method(s) 335.4, 9012B: The laboratory control sample (LCS) for preparation batch 480-457631 and analytical batch 480-457773 recovered outside control limits for the following analyte: Cyanide, Total. This analyte was biased high in the LCS and was not detected in the associated sample; therefore, the data have been reported.WC-01 (480-148378-1)

Job ID: 480-148378-1 (Continued)

Laboratory: TestAmerica Buffalo (Continued)

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

Organic Prep
Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 480-456918 and 480-456919.

Method(s) 8151A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 480-456918 and 480-456921.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 480-456918 and 480-457017.

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

Detection Summary

Client: D&B Engineers and Architects, P.C.
Project/Site: NYSDEC -Fresh and Clean Laundry

TestAmerica Job ID: 480-148378-1

Client Sample ID: WC-01

Lab Sample ID: 480-148378-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0053	B *	0.0050	0.0030	mg/L	1		8260C	TCLP
Barium	0.33	B	0.0020	0.00070	mg/L	1		6010C	TCLP
Halogens, Total Organic	0.022	J	0.030	0.010	mg/L	1		9020B	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>176		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	7.25	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	15.4	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: D&B Engineers and Architects, P.C.
Project/Site: NYSDEC -Fresh and Clean Laundry

TestAmerica Job ID: 480-148378-1

Client Sample ID: WC-01
Date Collected: 01/25/19 11:00
Date Received: 01/26/19 09:15

Lab Sample ID: 480-148378-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0010	0.00082	mg/L			01/29/19 21:46	1
1,1,2,2-Tetrachloroethane	ND		0.0010	0.00021	mg/L			01/29/19 21:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.0010	0.00031	mg/L			01/29/19 21:46	1
1,1,2-Trichloroethane	ND		0.0010	0.00023	mg/L			01/29/19 21:46	1
1,1-Dichloroethane	ND		0.0010	0.00038	mg/L			01/29/19 21:46	1
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			01/29/19 21:46	1
1,2,4-Trichlorobenzene	ND		0.0010	0.00041	mg/L			01/29/19 21:46	1
1,2-Dibromo-3-Chloropropane	ND		0.0010	0.00039	mg/L			01/29/19 21:46	1
1,2-Dibromoethane	ND		0.0010	0.00073	mg/L			01/29/19 21:46	1
1,2-Dichlorobenzene	ND		0.0010	0.00079	mg/L			01/29/19 21:46	1
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			01/29/19 21:46	1
1,2-Dichloropropane	ND		0.0010	0.00072	mg/L			01/29/19 21:46	1
1,3-Dichlorobenzene	ND		0.0010	0.00078	mg/L			01/29/19 21:46	1
1,4-Dichlorobenzene	ND		0.0010	0.00084	mg/L			01/29/19 21:46	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			01/29/19 21:46	1
2-Hexanone	ND		0.0050	0.0012	mg/L			01/29/19 21:46	1
4-Methyl-2-pentanone (MIBK)	ND		0.0050	0.0021	mg/L			01/29/19 21:46	1
Acetone	**0.0053**	**B ***	0.0050	0.0030	mg/L			01/29/19 21:46	1
Benzene	ND		0.0010	0.00041	mg/L			01/29/19 21:46	1
Bromodichloromethane	ND		0.0010	0.00038	mg/L			01/29/19 21:46	1
Bromoform	ND		0.0010	0.00026	mg/L			01/29/19 21:46	1
Bromomethane	ND		0.0010	0.00069	mg/L			01/29/19 21:46	1
Carbon disulfide	ND		0.0010	0.00019	mg/L			01/29/19 21:46	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			01/29/19 21:46	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			01/29/19 21:46	1
Chloroethane	ND		0.0010	0.00032	mg/L			01/29/19 21:46	1
Chloroform	ND		0.0010	0.00034	mg/L			01/29/19 21:46	1
Chloromethane	ND		0.0010	0.00034	mg/L			01/29/19 21:46	1
cis-1,2-Dichloroethene	ND		0.0010	0.00081	mg/L			01/29/19 21:46	1
cis-1,3-Dichloropropene	ND		0.0010	0.00036	mg/L			01/29/19 21:46	1
Cyclohexane	ND		0.0010	0.00018	mg/L			01/29/19 21:46	1
Dibromochloromethane	ND		0.0010	0.00032	mg/L			01/29/19 21:46	1
Dichlorodifluoromethane	ND		0.0010	0.00068	mg/L			01/29/19 21:46	1
Ethylbenzene	ND		0.0010	0.00074	mg/L			01/29/19 21:46	1
Isopropylbenzene	ND		0.0010	0.00079	mg/L			01/29/19 21:46	1
Methyl acetate	ND		0.0010	0.00050	mg/L			01/29/19 21:46	1
Methyl tert-butyl ether	ND		0.0010	0.00016	mg/L			01/29/19 21:46	1
Methylcyclohexane	ND		0.0010	0.00016	mg/L			01/29/19 21:46	1
Methylene Chloride	ND		0.0010	0.00044	mg/L			01/29/19 21:46	1
Styrene	ND		0.0010	0.00073	mg/L			01/29/19 21:46	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			01/29/19 21:46	1
Toluene	ND		0.0010	0.00051	mg/L			01/29/19 21:46	1
trans-1,2-Dichloroethene	ND		0.0010	0.00090	mg/L			01/29/19 21:46	1
trans-1,3-Dichloropropene	ND		0.0010	0.00037	mg/L			01/29/19 21:46	1
Trichloroethene	ND		0.0010	0.00046	mg/L			01/29/19 21:46	1
Trichlorofluoromethane	ND		0.0010	0.00088	mg/L			01/29/19 21:46	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			01/29/19 21:46	1
Xylenes, Total	ND		0.0020	0.00066	mg/L			01/29/19 21:46	1

Client Sample ID: WC-01

Date Collected: 01/25/19 11:00
Date Received: 01/26/19 09:15

Lab Sample ID: 480-148378-1

Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		mg/L					01/29/19 21:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		01/29/19 21:46	1
4-Bromofluorobenzene (Surr)	107		73 - 120		01/29/19 21:46	1
Dibromofluoromethane (Surr)	104		75 - 123		01/29/19 21:46	1
Toluene-d8 (Surr)	111		80 - 120		01/29/19 21:46	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		01/29/19 15:12	01/31/19 00:28	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		01/29/19 15:12	01/31/19 00:28	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		01/29/19 15:12	01/31/19 00:28	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		01/29/19 15:12	01/31/19 00:28	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		01/29/19 15:12	01/31/19 00:28	1
3-Methylphenol	ND		0.010	0.00040	mg/L		01/29/19 15:12	01/31/19 00:28	1
4-Methylphenol	ND		0.010	0.00036	mg/L		01/29/19 15:12	01/31/19 00:28	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		01/29/19 15:12	01/31/19 00:28	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		01/29/19 15:12	01/31/19 00:28	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		01/29/19 15:12	01/31/19 00:28	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		01/29/19 15:12	01/31/19 00:28	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		01/29/19 15:12	01/31/19 00:28	1
Pyridine	ND		0.025	0.00041	mg/L		01/29/19 15:12	01/31/19 00:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	51		41 - 120	01/29/19 15:12	01/31/19 00:28	1
2-Fluorobiphenyl	94		48 - 120	01/29/19 15:12	01/31/19 00:28	1
2-Fluorophenol (Surr)	48		35 - 120	01/29/19 15:12	01/31/19 00:28	1
Nitrobenzene-d5 (Surr)	84		46 - 120	01/29/19 15:12	01/31/19 00:28	1
p-Terphenyl-d14 (Surr)	112		59 - 136	01/29/19 15:12	01/31/19 00:28	1
Phenol-d5 (Surr)	34		22 - 120	01/29/19 15:12	01/31/19 00:28	1

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0020	0.000029	mg/L		01/29/19 10:15	01/30/19 16:05	1
Endrin	ND		0.00020	0.000014	mg/L		01/29/19 10:15	01/30/19 16:05	1
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		01/29/19 10:15	01/30/19 16:05	1
Heptachlor	ND		0.00020	0.0000085	mg/L		01/29/19 10:15	01/30/19 16:05	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		01/29/19 10:15	01/30/19 16:05	1
Methoxychlor	ND		0.00020	0.000014	mg/L		01/29/19 10:15	01/30/19 16:05	1
Toxaphene	ND		0.0020	0.00012	mg/L		01/29/19 10:15	01/30/19 16:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	82		20 - 120	01/29/19 10:15	01/30/19 16:05	1
DCB Decachlorobiphenyl	73		20 - 120	01/29/19 10:15	01/30/19 16:05	1
Tetrachloro-m-xylene	72		44 - 120	01/29/19 10:15	01/30/19 16:05	1
Tetrachloro-m-xylene	68		44 - 120	01/29/19 10:15	01/30/19 16:05	1

Method: 8151A - Herbicides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		01/29/19 10:25	01/31/19 14:06	1

Client Sample ID: WC-01

Date Collected: 01/25/19 11:00
Date Received: 01/26/19 09:15

Lab Sample ID: 480-148378-1

Matrix: Water

Method: 8151A - Herbicides (GC) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	ND		0.0020	0.00040	mg/L		01/29/19 10:25	01/31/19 14:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*55*		*48 - 132*	*01/29/19 10:25*	*01/31/19 14:06*	*1*
2,4-Dichlorophenylacetic acid	*69*		*48 - 132*	*01/29/19 10:25*	*01/31/19 14:06*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		01/29/19 11:08	01/30/19 10:06	1
Barium	**0.33**	**B**	0.0020	0.00070	mg/L		01/29/19 11:08	01/30/19 10:06	1
Cadmium	ND		0.0020	0.00050	mg/L		01/29/19 11:08	01/30/19 10:06	1
Chromium	ND		0.0040	0.0010	mg/L		01/29/19 11:08	01/30/19 10:06	1
Lead	ND		0.010	0.0030	mg/L		01/29/19 11:08	01/30/19 10:06	1
Selenium	ND		0.025	0.0087	mg/L		01/29/19 11:08	01/30/19 10:06	1
Silver	ND		0.0060	0.0017	mg/L		01/29/19 11:08	01/30/19 10:06	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		01/29/19 11:25	01/29/19 14:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND	*	0.010	0.0050	mg/L		02/04/19 14:10	02/05/19 10:57	1
Halogens, Total Organic	**0.022**	**J**	0.030	0.010	mg/L			02/11/19 07:58	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>176**		50.0	50.0	Degrees F			02/07/19 09:10	1
Cyanide, Reactive	ND		10.0	10.0	mg/L		01/31/19 10:48	01/31/19 14:17	1
Sulfide, Reactive	ND		10.0	10.0	mg/L		01/31/19 10:48	01/31/19 14:30	1
pH	**7.25**	**HF**	0.100	0.100	SU			02/03/19 11:53	1
Temperature	**15.4**	**HF**	0.00100	0.00100	Degrees C			02/03/19 11:53	1

Surrogate Summary

Client: D&B Engineers and Architects, P.C.
Project/Site: NYSDEC -Fresh and Clean Laundry

TestAmerica Job ID: 480-148378-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
LCS 480-457028/5	Lab Control Sample	119	119	112	119
MB 480-457028/7	Method Blank	116	113	111	119

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-148378-1	WC-01	106	107	104	111
LB 480-456950/1-A	Method Blank	109	102	104	104

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(59-136)	(22-120)
LCS 480-457017/2-A	Lab Control Sample	99	99	52	90	116	38
LCSD 480-457017/3-A	Lab Control Sample Dup	104	101	54	95	118	38
MB 480-457017/1-A	Method Blank	72	101	53	94	121	37

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(59-136)	(22-120)
480-148378-1	WC-01	51	94	48	84	112	34
LB 480-456918/1-F	Method Blank	60	104	55	97	122	38

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)
PHL = Phenol-d5 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(20-120)	(20-120)	(44-120)	(44-120)
LCS 480-456919/2-A	Lab Control Sample	62	58	66	54
LCSD 480-456919/3-A	Lab Control Sample Dup	59	55	64	49
MB 480-456919/1-A	Method Blank	69	60	63	53

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(20-120)	(20-120)	(44-120)	(44-120)
480-148378-1	WC-01	82	73	72	68
LB 480-456918/1-B	Method Blank	61	54	71	71

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(48-132)	(48-132)
LCS 480-456921/2-A	Lab Control Sample	68	80
LCSD 480-456921/3-A	Lab Control Sample Dup	71	84
MB 480-456921/1-A	Method Blank	61	76

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151A - Herbicides (GC)

Matrix: Water **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	Client Sample ID	(48-132)	(48-132)
480-148378-1	WC-01	55	69
LB 480-456918/1-C	Method Blank	57	69

Surrogate Summary

Client: D&B Engineers and Architects, P.C.
Project/Site: NYSDEC -Fresh and Clean Laundry

TestAmerica Job ID: 480-148378-1

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-457028/7
Matrix: Water
Analysis Batch: 457028

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0010	0.00082	mg/L			01/29/19 19:55	1
1,1,2,2-Tetrachloroethane	ND		0.0010	0.00021	mg/L			01/29/19 19:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.0010	0.00031	mg/L			01/29/19 19:55	1
1,1,2-Trichloroethane	ND		0.0010	0.00023	mg/L			01/29/19 19:55	1
1,1-Dichloroethane	ND		0.0010	0.00038	mg/L			01/29/19 19:55	1
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			01/29/19 19:55	1
1,2,4-Trichlorobenzene	ND		0.0010	0.00041	mg/L			01/29/19 19:55	1
1,2-Dibromo-3-Chloropropane	ND		0.0010	0.00039	mg/L			01/29/19 19:55	1
1,2-Dibromoethane	ND		0.0010	0.00073	mg/L			01/29/19 19:55	1
1,2-Dichlorobenzene	ND		0.0010	0.00079	mg/L			01/29/19 19:55	1
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			01/29/19 19:55	1
1,2-Dichloropropane	ND		0.0010	0.00072	mg/L			01/29/19 19:55	1
1,3-Dichlorobenzene	ND		0.0010	0.00078	mg/L			01/29/19 19:55	1
1,4-Dichlorobenzene	ND		0.0010	0.00084	mg/L			01/29/19 19:55	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			01/29/19 19:55	1
2-Hexanone	ND		0.0050	0.0012	mg/L			01/29/19 19:55	1
4-Methyl-2-pentanone (MIBK)	ND		0.0050	0.0021	mg/L			01/29/19 19:55	1
Acetone	ND		0.0050	0.0030	mg/L			01/29/19 19:55	1
Benzene	ND		0.0010	0.00041	mg/L			01/29/19 19:55	1
Bromodichloromethane	ND		0.0010	0.00038	mg/L			01/29/19 19:55	1
Bromoform	ND		0.0010	0.00026	mg/L			01/29/19 19:55	1
Bromomethane	ND		0.0010	0.00069	mg/L			01/29/19 19:55	1
Carbon disulfide	ND		0.0010	0.00019	mg/L			01/29/19 19:55	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			01/29/19 19:55	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			01/29/19 19:55	1
Chloroethane	ND		0.0010	0.00032	mg/L			01/29/19 19:55	1
Chloroform	ND		0.0010	0.00034	mg/L			01/29/19 19:55	1
Chloromethane	ND		0.0010	0.00034	mg/L			01/29/19 19:55	1
cis-1,2-Dichloroethene	ND		0.0010	0.00081	mg/L			01/29/19 19:55	1
cis-1,3-Dichloropropene	ND		0.0010	0.00036	mg/L			01/29/19 19:55	1
Cyclohexane	ND		0.0010	0.00018	mg/L			01/29/19 19:55	1
Dibromochloromethane	ND		0.0010	0.00032	mg/L			01/29/19 19:55	1
Dichlorodifluoromethane	ND		0.0010	0.00068	mg/L			01/29/19 19:55	1
Ethylbenzene	ND		0.0010	0.00074	mg/L			01/29/19 19:55	1
Isopropylbenzene	ND		0.0010	0.00079	mg/L			01/29/19 19:55	1
Methyl acetate	ND		0.0010	0.00050	mg/L			01/29/19 19:55	1
Methyl tert-butyl ether	ND		0.0010	0.00016	mg/L			01/29/19 19:55	1
Methylcyclohexane	ND		0.0010	0.00016	mg/L			01/29/19 19:55	1
Methylene Chloride	ND		0.0010	0.00044	mg/L			01/29/19 19:55	1
Styrene	ND		0.0010	0.00073	mg/L			01/29/19 19:55	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			01/29/19 19:55	1
Toluene	ND		0.0010	0.00051	mg/L			01/29/19 19:55	1
trans-1,2-Dichloroethene	ND		0.0010	0.00090	mg/L			01/29/19 19:55	1
trans-1,3-Dichloropropene	ND		0.0010	0.00037	mg/L			01/29/19 19:55	1
Trichloroethene	ND		0.0010	0.00046	mg/L			01/29/19 19:55	1
Trichlorofluoromethane	ND		0.0010	0.00088	mg/L			01/29/19 19:55	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			01/29/19 19:55	1
Xylenes, Total	ND		0.0020	0.00066	mg/L			01/29/19 19:55	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		mg/L					01/29/19 19:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		77 - 120		01/29/19 19:55	1
4-Bromofluorobenzene (Surr)	113		73 - 120		01/29/19 19:55	1
Dibromofluoromethane (Surr)	111		75 - 123		01/29/19 19:55	1
Toluene-d8 (Surr)	119		80 - 120		01/29/19 19:55	1

Lab Sample ID: LCS 480-457028/5
Matrix: Water
Analysis Batch: 457028

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0250	0.0218		mg/L		87	73 - 126
1,1,2,2-Tetrachloroethane	0.0250	0.0248		mg/L		99	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0250	0.0221		mg/L		88	61 - 148
1,1,2-Trichloroethane	0.0250	0.0244		mg/L		98	76 - 122
1,1-Dichloroethane	0.0250	0.0227		mg/L		91	77 - 120
1,1-Dichloroethene	0.0250	0.0212		mg/L		85	66 - 127
1,2,4-Trichlorobenzene	0.0250	0.0217		mg/L		87	79 - 122
1,2-Dibromo-3-Chloropropane	0.0250	0.0226		mg/L		90	56 - 134
1,2-Dibromoethane	0.0250	0.0253		mg/L		101	77 - 120
1,2-Dichlorobenzene	0.0250	0.0226		mg/L		90	80 - 124
1,2-Dichloroethane	0.0250	0.0233		mg/L		93	75 - 120
1,2-Dichloropropane	0.0250	0.0226		mg/L		91	76 - 120
1,3-Dichlorobenzene	0.0250	0.0233		mg/L		93	77 - 120
1,4-Dichlorobenzene	0.0250	0.0227		mg/L		91	80 - 120
2-Butanone (MEK)	0.125	0.167		mg/L		134	57 - 140
2-Hexanone	0.125	0.158		mg/L		127	65 - 127
4-Methyl-2-pentanone (MIBK)	0.125	0.143		mg/L		114	71 - 125
Acetone	0.125	0.188	*	mg/L		151	56 - 142
Benzene	0.0250	0.0234		mg/L		93	71 - 124
Bromodichloromethane	0.0250	0.0234		mg/L		94	80 - 122
Bromoform	0.0250	0.0275		mg/L		110	61 - 132
Bromomethane	0.0250	0.0213		mg/L		85	55 - 144
Carbon disulfide	0.0250	0.0222		mg/L		89	59 - 134
Carbon tetrachloride	0.0250	0.0221		mg/L		88	72 - 134
Chlorobenzene	0.0250	0.0244		mg/L		97	80 - 120
Chloroethane	0.0250	0.0223		mg/L		89	69 - 136
Chloroform	0.0250	0.0232		mg/L		93	73 - 127
Chloromethane	0.0250	0.0237		mg/L		95	68 - 124
cis-1,2-Dichloroethene	0.0250	0.0224		mg/L		90	74 - 124
cis-1,3-Dichloropropene	0.0250	0.0237		mg/L		95	74 - 124
Cyclohexane	0.0250	0.0210		mg/L		84	59 - 135
Dibromochloromethane	0.0250	0.0255		mg/L		102	75 - 125
Dichlorodifluoromethane	0.0250	0.0225		mg/L		90	59 - 135
Ethylbenzene	0.0250	0.0231		mg/L		92	77 - 123
Isopropylbenzene	0.0250	0.0227		mg/L		91	77 - 122
Methyl acetate	0.0500	0.0508		mg/L		102	74 - 133
Methyl tert-butyl ether	0.0250	0.0218		mg/L		87	77 - 120
Methylcyclohexane	0.0250	0.0213		mg/L		85	68 - 134
Methylene Chloride	0.0250	0.0242		mg/L		97	75 - 124

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

Lab Sample ID: LCS 480-457028/5
Matrix: Water
Analysis Batch: 457028

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	0.0250	0.0237		mg/L		95	80 - 120
Tetrachloroethene	0.0250	0.0239		mg/L		96	74 - 122
Toluene	0.0250	0.0234		mg/L		94	80 - 122
trans-1,2-Dichloroethene	0.0250	0.0217		mg/L		87	73 - 127
trans-1,3-Dichloropropene	0.0250	0.0240		mg/L		96	80 - 120
Trichloroethene	0.0250	0.0226		mg/L		90	74 - 123
Trichlorofluoromethane	0.0250	0.0214		mg/L		85	62 - 150
Vinyl chloride	0.0250	0.0227		mg/L		91	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*119*		*77 - 120*
4-Bromofluorobenzene (Surr)	*119*		*73 - 120*
Dibromofluoromethane (Surr)	*112*		*75 - 123*
Toluene-d8 (Surr)	*119*		*80 - 120*

Lab Sample ID: LB 480-456950/1-A
Matrix: Water
Analysis Batch: 457028

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.0010	0.00082	mg/L			01/29/19 20:37	1
1,1,2,2-Tetrachloroethane	ND		0.0010	0.00021	mg/L			01/29/19 20:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.0010	0.00031	mg/L			01/29/19 20:37	1
1,1,2-Trichloroethane	ND		0.0010	0.00023	mg/L			01/29/19 20:37	1
1,1-Dichloroethane	ND		0.0010	0.00038	mg/L			01/29/19 20:37	1
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			01/29/19 20:37	1
1,2,4-Trichlorobenzene	ND		0.0010	0.00041	mg/L			01/29/19 20:37	1
1,2-Dibromo-3-Chloropropane	ND		0.0010	0.00039	mg/L			01/29/19 20:37	1
1,2-Dibromoethane	ND		0.0010	0.00073	mg/L			01/29/19 20:37	1
1,2-Dichlorobenzene	ND		0.0010	0.00079	mg/L			01/29/19 20:37	1
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			01/29/19 20:37	1
1,2-Dichloropropane	ND		0.0010	0.00072	mg/L			01/29/19 20:37	1
1,3-Dichlorobenzene	ND		0.0010	0.00078	mg/L			01/29/19 20:37	1
1,4-Dichlorobenzene	ND		0.0010	0.00084	mg/L			01/29/19 20:37	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			01/29/19 20:37	1
2-Hexanone	ND		0.0050	0.0012	mg/L			01/29/19 20:37	1
4-Methyl-2-pentanone (MIBK)	ND		0.0050	0.0021	mg/L			01/29/19 20:37	1
Acetone	0.0302		0.0050	0.0030	mg/L			01/29/19 20:37	1
Benzene	ND		0.0010	0.00041	mg/L			01/29/19 20:37	1
Bromodichloromethane	ND		0.0010	0.00038	mg/L			01/29/19 20:37	1
Bromoform	ND		0.0010	0.00026	mg/L			01/29/19 20:37	1
Bromomethane	ND		0.0010	0.00069	mg/L			01/29/19 20:37	1
Carbon disulfide	ND		0.0010	0.00019	mg/L			01/29/19 20:37	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			01/29/19 20:37	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			01/29/19 20:37	1
Chloroethane	ND		0.0010	0.00032	mg/L			01/29/19 20:37	1
Chloroform	ND		0.0010	0.00034	mg/L			01/29/19 20:37	1
Chloromethane	ND		0.0010	0.00034	mg/L			01/29/19 20:37	1

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

Lab Sample ID: LB 480-456950/1-A
Matrix: Water
Analysis Batch: 457028

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		0.0010	0.00081	mg/L			01/29/19 20:37	1
cis-1,3-Dichloropropene	ND		0.0010	0.00036	mg/L			01/29/19 20:37	1
Cyclohexane	ND		0.0010	0.00018	mg/L			01/29/19 20:37	1
Dibromochloromethane	ND		0.0010	0.00032	mg/L			01/29/19 20:37	1
Dichlorodifluoromethane	ND		0.0010	0.00068	mg/L			01/29/19 20:37	1
Ethylbenzene	ND		0.0010	0.00074	mg/L			01/29/19 20:37	1
Isopropylbenzene	ND		0.0010	0.00079	mg/L			01/29/19 20:37	1
Methyl acetate	ND		0.0010	0.00050	mg/L			01/29/19 20:37	1
Methyl tert-butyl ether	ND		0.0010	0.00016	mg/L			01/29/19 20:37	1
Methylcyclohexane	ND		0.0010	0.00016	mg/L			01/29/19 20:37	1
Methylene Chloride	ND		0.0010	0.00044	mg/L			01/29/19 20:37	1
Styrene	ND		0.0010	0.00073	mg/L			01/29/19 20:37	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			01/29/19 20:37	1
Toluene	ND		0.0010	0.00051	mg/L			01/29/19 20:37	1
trans-1,2-Dichloroethene	ND		0.0010	0.00090	mg/L			01/29/19 20:37	1
trans-1,3-Dichloropropene	ND		0.0010	0.00037	mg/L			01/29/19 20:37	1
Trichloroethene	ND		0.0010	0.00046	mg/L			01/29/19 20:37	1
Trichlorofluoromethane	ND		0.0010	0.00088	mg/L			01/29/19 20:37	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			01/29/19 20:37	1
Xylenes, Total	ND		0.0020	0.00066	mg/L			01/29/19 20:37	1

Tentatively Identified Compound	*LB Est. Result*	*LB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Isopropyl alcohol	*0.0283*		*mg/L*		*3.00*	*67-63-0*		*01/29/19 20:37*	*1*
Tentatively Identified Compound	*None*		*mg/L*					*01/29/19 20:37*	*1*

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*01/29/19 20:37*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*01/29/19 20:37*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*01/29/19 20:37*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*01/29/19 20:37*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-457017/1-A
Matrix: Water
Analysis Batch: 457110

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 457017

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.0025	0.00012	mg/L		01/29/19 15:12	01/30/19 20:50	1
2,4-Dinitrotoluene	ND		0.0013	0.00011	mg/L		01/29/19 15:12	01/30/19 20:50	1
2,4,5-Trichlorophenol	ND		0.0013	0.00012	mg/L		01/29/19 15:12	01/30/19 20:50	1
2,4,6-Trichlorophenol	ND		0.0013	0.00015	mg/L		01/29/19 15:12	01/30/19 20:50	1
2-Methylphenol	ND		0.0013	0.00010	mg/L		01/29/19 15:12	01/30/19 20:50	1
3-Methylphenol	ND		0.0025	0.00010	mg/L		01/29/19 15:12	01/30/19 20:50	1
4-Methylphenol	ND		0.0025	0.000090	mg/L		01/29/19 15:12	01/30/19 20:50	1
Hexachlorobenzene	ND		0.0013	0.00013	mg/L		01/29/19 15:12	01/30/19 20:50	1
Hexachlorobutadiene	ND		0.0013	0.00017	mg/L		01/29/19 15:12	01/30/19 20:50	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-457017/1-A
Matrix: Water
Analysis Batch: 457110

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 457017

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	ND		0.0013	0.00015	mg/L		01/29/19 15:12	01/30/19 20:50	1
Nitrobenzene	ND		0.0013	0.000073	mg/L		01/29/19 15:12	01/30/19 20:50	1
Pentachlorophenol	ND		0.0025	0.00055	mg/L		01/29/19 15:12	01/30/19 20:50	1
Pyridine	ND		0.0063	0.00010	mg/L		01/29/19 15:12	01/30/19 20:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*41 - 120*	*01/29/19 15:12*	*01/30/19 20:50*	*1*
2-Fluorobiphenyl	*101*		*48 - 120*	*01/29/19 15:12*	*01/30/19 20:50*	*1*
2-Fluorophenol (Surr)	*53*		*35 - 120*	*01/29/19 15:12*	*01/30/19 20:50*	*1*
Nitrobenzene-d5 (Surr)	*94*		*46 - 120*	*01/29/19 15:12*	*01/30/19 20:50*	*1*
p-Terphenyl-d14 (Surr)	*121*		*59 - 136*	*01/29/19 15:12*	*01/30/19 20:50*	*1*
Phenol-d5 (Surr)	*37*		*22 - 120*	*01/29/19 15:12*	*01/30/19 20:50*	*1*

Lab Sample ID: LCS 480-457017/2-A
Matrix: Water
Analysis Batch: 457110

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 457017

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0500	0.0394		mg/L		79	51 - 120
2,4-Dinitrotoluene	0.0500	0.0501		mg/L		100	69 - 120
2,4,5-Trichlorophenol	0.0500	0.0494		mg/L		99	65 - 126
2,4,6-Trichlorophenol	0.0500	0.0491		mg/L		98	64 - 120
2-Methylphenol	0.0500	0.0402		mg/L		80	39 - 120
3-Methylphenol	0.0500	0.0370		mg/L		74	39 - 120
4-Methylphenol	0.0500	0.0370		mg/L		74	29 - 131
Hexachlorobenzene	0.0500	0.0515		mg/L		103	61 - 120
Hexachlorobutadiene	0.0500	0.0442		mg/L		88	35 - 120
Hexachloroethane	0.0500	0.0372		mg/L		74	43 - 120
Nitrobenzene	0.0500	0.0454		mg/L		91	53 - 123
Pentachlorophenol	0.100	0.0941		mg/L		94	29 - 136
Pyridine	0.100	0.0484		mg/L		48	10 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*99*		*41 - 120*
2-Fluorobiphenyl	*99*		*48 - 120*
2-Fluorophenol (Surr)	*52*		*35 - 120*
Nitrobenzene-d5 (Surr)	*90*		*46 - 120*
p-Terphenyl-d14 (Surr)	*116*		*59 - 136*
Phenol-d5 (Surr)	*38*		*22 - 120*

Lab Sample ID: LCSD 480-457017/3-A
Matrix: Water
Analysis Batch: 457110

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 457017

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene	0.0500	0.0406		mg/L		81	51 - 120	3	36
2,4-Dinitrotoluene	0.0500	0.0514		mg/L		103	69 - 120	3	20
2,4,5-Trichlorophenol	0.0500	0.0508		mg/L		102	65 - 126	3	18

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-457017/3-A
Matrix: Water
Analysis Batch: 457110

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 457017

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,6-Trichlorophenol			0.0500	0.0513		mg/L		103	64 - 120	4	19
2-Methylphenol			0.0500	0.0411		mg/L		82	39 - 120	2	27
3-Methylphenol			0.0500	0.0380		mg/L		76	39 - 120	3	30
4-Methylphenol			0.0500	0.0380		mg/L		76	29 - 131	3	24
Hexachlorobenzene			0.0500	0.0533		mg/L		107	61 - 120	3	15
Hexachlorobutadiene			0.0500	0.0468		mg/L		94	35 - 120	6	44
Hexachloroethane			0.0500	0.0399		mg/L		80	43 - 120	7	46
Nitrobenzene			0.0500	0.0473		mg/L		95	53 - 123	4	24
Pentachlorophenol			0.100	0.0983		mg/L		98	29 - 136	4	37
Pyridine			0.100	0.0474		mg/L		47	10 - 120	2	49

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*104*		*41 - 120*
2-Fluorobiphenyl	*101*		*48 - 120*
2-Fluorophenol (Surr)	*54*		*35 - 120*
Nitrobenzene-d5 (Surr)	*95*		*46 - 120*
p-Terphenyl-d14 (Surr)	*118*		*59 - 136*
Phenol-d5 (Surr)	*38*		*22 - 120*

Lab Sample ID: LB 480-456918/1-F
Matrix: Water
Analysis Batch: 457110

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 457017

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		01/29/19 15:12	01/30/19 22:39	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		01/29/19 15:12	01/30/19 22:39	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		01/29/19 15:12	01/30/19 22:39	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		01/29/19 15:12	01/30/19 22:39	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		01/29/19 15:12	01/30/19 22:39	1
3-Methylphenol	ND		0.010	0.00040	mg/L		01/29/19 15:12	01/30/19 22:39	1
4-Methylphenol	ND		0.010	0.00036	mg/L		01/29/19 15:12	01/30/19 22:39	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		01/29/19 15:12	01/30/19 22:39	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		01/29/19 15:12	01/30/19 22:39	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		01/29/19 15:12	01/30/19 22:39	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		01/29/19 15:12	01/30/19 22:39	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		01/29/19 15:12	01/30/19 22:39	1
Pyridine	ND		0.025	0.00041	mg/L		01/29/19 15:12	01/30/19 22:39	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*60*		*41 - 120*	*01/29/19 15:12*	*01/30/19 22:39*	*1*
2-Fluorobiphenyl	*104*		*48 - 120*	*01/29/19 15:12*	*01/30/19 22:39*	*1*
2-Fluorophenol (Surr)	*55*		*35 - 120*	*01/29/19 15:12*	*01/30/19 22:39*	*1*
Nitrobenzene-d5 (Surr)	*97*		*46 - 120*	*01/29/19 15:12*	*01/30/19 22:39*	*1*
p-Terphenyl-d14 (Surr)	*122*		*59 - 136*	*01/29/19 15:12*	*01/30/19 22:39*	*1*
Phenol-d5 (Surr)	*38*		*22 - 120*	*01/29/19 15:12*	*01/30/19 22:39*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-456919/1-A
Matrix: Water
Analysis Batch: 457088

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 456919

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.00050	0.0000073	mg/L		01/29/19 08:58	01/30/19 13:48	1
Endrin	ND		0.000050	0.0000035	mg/L		01/29/19 08:58	01/30/19 13:48	1
gamma-BHC (Lindane)	ND		0.000050	0.0000015	mg/L		01/29/19 08:58	01/30/19 13:48	1
Heptachlor	ND		0.000050	0.0000021	mg/L		01/29/19 08:58	01/30/19 13:48	1
Heptachlor epoxide	ND		0.000050	0.0000013	mg/L		01/29/19 08:58	01/30/19 13:48	1
Methoxychlor	ND		0.000050	0.0000035	mg/L		01/29/19 08:58	01/30/19 13:48	1
Toxaphene	ND		0.00050	0.000030	mg/L		01/29/19 08:58	01/30/19 13:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*69*		*20 - 120*	*01/29/19 08:58*	*01/30/19 13:48*	*1*
DCB Decachlorobiphenyl	*60*		*20 - 120*	*01/29/19 08:58*	*01/30/19 13:48*	*1*
Tetrachloro-m-xylene	*63*		*44 - 120*	*01/29/19 08:58*	*01/30/19 13:48*	*1*
Tetrachloro-m-xylene	*53*		*44 - 120*	*01/29/19 08:58*	*01/30/19 13:48*	*1*

Lab Sample ID: LCS 480-456919/2-A
Matrix: Water
Analysis Batch: 457088

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 456919

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Endrin	0.000500	0.000387		mg/L		77	65 - 135
gamma-BHC (Lindane)	0.000500	0.000327		mg/L		65	56 - 120
Heptachlor	0.000500	0.000309		mg/L		62	58 - 120
Heptachlor epoxide	0.000500	0.000341		mg/L		68	65 - 125
Methoxychlor	0.000500	0.000460		mg/L		92	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*62*		*20 - 120*
DCB Decachlorobiphenyl	*58*		*20 - 120*
Tetrachloro-m-xylene	*66*		*44 - 120*
Tetrachloro-m-xylene	*54*		*44 - 120*

Lab Sample ID: LCSD 480-456919/3-A
Matrix: Water
Analysis Batch: 457088

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 456919

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endrin	0.000500	0.000372		mg/L		74	65 - 135	4	24
gamma-BHC (Lindane)	0.000500	0.000314		mg/L		63	56 - 120	4	24
Heptachlor	0.000500	0.000288		mg/L		58	58 - 120	7	25
Heptachlor epoxide	0.000500	0.000325		mg/L		65	65 - 125	5	23
Methoxychlor	0.000500	0.000443		mg/L		89	50 - 150	4	26

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*59*		*20 - 120*
DCB Decachlorobiphenyl	*55*		*20 - 120*
Tetrachloro-m-xylene	*64*		*44 - 120*
Tetrachloro-m-xylene	*49*		*44 - 120*

Lab Sample ID: LB 480-456918/1-B
Matrix: Water
Analysis Batch: 457088

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 456919

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (technical)	ND		0.0020	0.000029	mg/L		01/29/19 10:15	01/30/19 15:26	1
Endrin	ND		0.00020	0.000014	mg/L		01/29/19 10:15	01/30/19 15:26	1
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		01/29/19 10:15	01/30/19 15:26	1
Heptachlor	ND		0.00020	0.0000085	mg/L		01/29/19 10:15	01/30/19 15:26	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		01/29/19 10:15	01/30/19 15:26	1
Methoxychlor	ND		0.00020	0.000014	mg/L		01/29/19 10:15	01/30/19 15:26	1
Toxaphene	ND		0.0020	0.00012	mg/L		01/29/19 10:15	01/30/19 15:26	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*61*		*20 - 120*	*01/29/19 10:15*	*01/30/19 15:26*	*1*
DCB Decachlorobiphenyl	*54*		*20 - 120*	*01/29/19 10:15*	*01/30/19 15:26*	*1*
Tetrachloro-m-xylene	*71*		*44 - 120*	*01/29/19 10:15*	*01/30/19 15:26*	*1*
Tetrachloro-m-xylene	*71*		*44 - 120*	*01/29/19 10:15*	*01/30/19 15:26*	*1*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-456921/1-A
Matrix: Water
Analysis Batch: 457174

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 456921

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.00050	0.000090	mg/L		01/29/19 09:05	01/31/19 10:38	1
2,4-D	ND		0.00050	0.00010	mg/L		01/29/19 09:05	01/31/19 10:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*61*		*48 - 132*	*01/29/19 09:05*	*01/31/19 10:38*	*1*
2,4-Dichlorophenylacetic acid	*76*		*48 - 132*	*01/29/19 09:05*	*01/31/19 10:38*	*1*

Lab Sample ID: LCS 480-456921/2-A
Matrix: Water
Analysis Batch: 457174

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 456921

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Silvex (2,4,5-TP)			0.00200	0.00151		mg/L		76	49 - 150		
2,4-D			0.00200	0.00145		mg/L		73	36 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*68*		*48 - 132*
2,4-Dichlorophenylacetic acid	*80*		*48 - 132*

Lab Sample ID: LCSD 480-456921/3-A
Matrix: Water
Analysis Batch: 457174

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 456921

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silvex (2,4,5-TP)			0.00200	0.00151		mg/L		76	49 - 150	0	50
2,4-D			0.00200	0.00157		mg/L		78	36 - 150	7	50

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 480-456921/3-A
Matrix: Water
Analysis Batch: 457174

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 456921

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*71*		*48 - 132*
2,4-Dichlorophenylacetic acid	*84*		*48 - 132*

Lab Sample ID: LB 480-456918/1-C
Matrix: Water
Analysis Batch: 457174

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 456921

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		01/29/19 10:25	01/31/19 13:06	1
2,4-D	ND		0.0020	0.00040	mg/L		01/29/19 10:25	01/31/19 13:06	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*57*		*48 - 132*	*01/29/19 10:25*	*01/31/19 13:06*	*1*
2,4-Dichlorophenylacetic acid	*69*		*48 - 132*	*01/29/19 10:25*	*01/31/19 13:06*	*1*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-456957/2-A
Matrix: Water
Analysis Batch: 457113

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 456957

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		01/29/19 11:08	01/30/19 09:55	1
Barium	ND		0.0020	0.00070	mg/L		01/29/19 11:08	01/30/19 09:55	1
Cadmium	ND		0.0020	0.00050	mg/L		01/29/19 11:08	01/30/19 09:55	1
Chromium	ND		0.0040	0.0010	mg/L		01/29/19 11:08	01/30/19 09:55	1
Lead	ND		0.010	0.0030	mg/L		01/29/19 11:08	01/30/19 09:55	1
Selenium	ND		0.025	0.0087	mg/L		01/29/19 11:08	01/30/19 09:55	1
Silver	ND		0.0060	0.0017	mg/L		01/29/19 11:08	01/30/19 09:55	1

Lab Sample ID: LCS 480-456957/3-A
Matrix: Water
Analysis Batch: 457113

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 456957

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.00		mg/L		100	80 - 120
Barium	1.00	0.977		mg/L		98	80 - 120
Cadmium	1.00	1.01		mg/L		101	80 - 120
Chromium	1.00	1.00		mg/L		100	80 - 120
Lead	1.00	1.00		mg/L		100	80 - 120
Selenium	1.00	0.985		mg/L		98	80 - 120
Silver	1.00	1.02		mg/L		102	80 - 120

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LB 480-456918/1-D
Matrix: Water
Analysis Batch: 457113

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 456957

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		01/29/19 11:08	01/30/19 09:51	1
Barium	0.00115	J	0.0020	0.00070	mg/L		01/29/19 11:08	01/30/19 09:51	1
Cadmium	ND		0.0020	0.00050	mg/L		01/29/19 11:08	01/30/19 09:51	1
Chromium	ND		0.0040	0.0010	mg/L		01/29/19 11:08	01/30/19 09:51	1
Lead	ND		0.010	0.0030	mg/L		01/29/19 11:08	01/30/19 09:51	1
Selenium	ND		0.025	0.0087	mg/L		01/29/19 11:08	01/30/19 09:51	1
Silver	ND		0.0060	0.0017	mg/L		01/29/19 11:08	01/30/19 09:51	1

Lab Sample ID: 480-148378-1 MS
Matrix: Water
Analysis Batch: 457113

Client Sample ID: WC-01
Prep Type: TCLP
Prep Batch: 456957

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		1.00	1.01		mg/L		101	75 - 125
Barium	0.33	B	1.00	1.25		mg/L		92	75 - 125
Cadmium	ND		1.00	0.998		mg/L		100	75 - 125
Chromium	ND		1.00	0.974		mg/L		97	75 - 125
Lead	ND		1.00	0.989		mg/L		99	75 - 125
Selenium	ND		1.00	0.980		mg/L		98	75 - 125
Silver	ND		1.00	0.994		mg/L		99	75 - 125

Lab Sample ID: 480-148378-1 MSD
Matrix: Water
Analysis Batch: 457113

Client Sample ID: WC-01
Prep Type: TCLP
Prep Batch: 456957

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		1.00	1.05		mg/L		105	75 - 125	4	20
Barium	0.33	B	1.00	1.28		mg/L		96	75 - 125	3	20
Cadmium	ND		1.00	1.03		mg/L		103	75 - 125	3	20
Chromium	ND		1.00	1.01		mg/L		101	75 - 125	3	20
Lead	ND		1.00	1.03		mg/L		103	75 - 125	4	20
Selenium	ND		1.00	1.02		mg/L		102	75 - 125	4	20
Silver	ND		1.00	1.01		mg/L		101	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-456963/2-A
Matrix: Water
Analysis Batch: 457011

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 456963

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		01/29/19 11:25	01/29/19 14:35	1

Lab Sample ID: LCS 480-456963/3-A
Matrix: Water
Analysis Batch: 457011

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 456963

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00627		mg/L		94	80 - 120

Lab Sample ID: LB 480-456918/1-E
Matrix: Water
Analysis Batch: 457011

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 456963

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		01/29/19 11:25	01/29/19 14:33	1

Lab Sample ID: 480-148378-1 MS
Matrix: Water
Analysis Batch: 457011

Client Sample ID: WC-01
Prep Type: TCLP
Prep Batch: 456963

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.00668	0.00667		mg/L		100	80 - 120

Lab Sample ID: 480-148378-1 MSD
Matrix: Water
Analysis Batch: 457011

Client Sample ID: WC-01
Prep Type: TCLP
Prep Batch: 456963

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.00668	0.00668		mg/L		100	80 - 120	0	20

Method: 1010A - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 480-458183/1
Matrix: Water
Analysis Batch: 458183

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Flashpoint	81.0	80.00		Degrees F		99	97.5 - 102.5

Lab Sample ID: 480-148378-1 DU
Matrix: Water
Analysis Batch: 458183

Client Sample ID: WC-01
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Flashpoint	>176		>176		Degrees F		NC	10

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 480-457248/1-A
Matrix: Water
Analysis Batch: 457264

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 457248

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	10.0	mg/L		01/31/19 10:48	01/31/19 14:07	1

Lab Sample ID: LCS 480-457248/2-A
Matrix: Water
Analysis Batch: 457264

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 457248

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	1000	456.3		mg/L		46	10 - 100

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 480-457631/1-A
Matrix: Water
Analysis Batch: 457773

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 457631

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	ND		0.010	0.0050	mg/L		02/04/19 14:10	02/05/19 10:45	1

Lab Sample ID: LCS 480-457631/2-A
Matrix: Water
Analysis Batch: 457773

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 457631

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Total	0.250	0.281	*	mg/L		112	90 - 110

Method: 9020B - Organic Halides, Total (TOX)

Lab Sample ID: MB 490-574312/2
Matrix: Water
Analysis Batch: 574312

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Halogens, Total Organic	ND		0.030	0.010	mg/L			02/07/19 08:22	1

Lab Sample ID: LCS 490-574312/3
Matrix: Water
Analysis Batch: 574312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Halogens, Total Organic	0.250	0.249		mg/L		100	90 - 110

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 480-457249/1-A
Matrix: Water
Analysis Batch: 457284

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 457249

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	ND		10.0	10.0	mg/L		01/31/19 10:48	01/31/19 14:30	1

Lab Sample ID: LCS 480-457249/2-A
Matrix: Water
Analysis Batch: 457284

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 457249

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	840	781.5		mg/L		93	10 - 100

Client: D&B Engineers and Architects, P.C.
Project/Site: NYSDEC -Fresh and Clean Laundry

TestAmerica Job ID: 480-148378-1

Method: 9040C - pH

Lab Sample ID: LCS 480-457644/1
Matrix: Water
Analysis Batch: 457644

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.010		SU		100	99 - 101

GC/MS VOA

Leach Batch: 456950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	TCLP	Water	1311	
LB 480-456950/1-A	Method Blank	TCLP	Water	1311	

Analysis Batch: 457028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	TCLP	Water	8260C	456950
LB 480-456950/1-A	Method Blank	TCLP	Water	8260C	456950
MB 480-457028/7	Method Blank	Total/NA	Water	8260C	
LCS 480-457028/5	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Leach Batch: 456918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	TCLP	Water	1311	
LB 480-456918/1-F	Method Blank	TCLP	Water	1311	

Prep Batch: 457017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	TCLP	Water	3510C	456918
LB 480-456918/1-F	Method Blank	TCLP	Water	3510C	456918
MB 480-457017/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-457017/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-457017/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 457110

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	TCLP	Water	8270D	457017
LB 480-456918/1-F	Method Blank	TCLP	Water	8270D	457017
MB 480-457017/1-A	Method Blank	Total/NA	Water	8270D	457017
LCS 480-457017/2-A	Lab Control Sample	Total/NA	Water	8270D	457017
LCSD 480-457017/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	457017

GC Semi VOA

Leach Batch: 456918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	TCLP	Water	1311	
LB 480-456918/1-B	Method Blank	TCLP	Water	1311	
LB 480-456918/1-C	Method Blank	TCLP	Water	1311	

Prep Batch: 456919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	TCLP	Water	3510C	456918
LB 480-456918/1-B	Method Blank	TCLP	Water	3510C	456918
MB 480-456919/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-456919/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-456919/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

GC Semi VOA (Continued)

Prep Batch: 456921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	TCLP	Water	8151A	456918
LB 480-456918/1-C	Method Blank	TCLP	Water	8151A	456918
MB 480-456921/1-A	Method Blank	Total/NA	Water	8151A	
LCS 480-456921/2-A	Lab Control Sample	Total/NA	Water	8151A	
LCSD 480-456921/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	

Analysis Batch: 457088

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	TCLP	Water	8081B	456919
LB 480-456918/1-B	Method Blank	TCLP	Water	8081B	456919
MB 480-456919/1-A	Method Blank	Total/NA	Water	8081B	456919
LCS 480-456919/2-A	Lab Control Sample	Total/NA	Water	8081B	456919
LCSD 480-456919/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	456919

Analysis Batch: 457174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	TCLP	Water	8151A	456921
LB 480-456918/1-C	Method Blank	TCLP	Water	8151A	456921
MB 480-456921/1-A	Method Blank	Total/NA	Water	8151A	456921
LCS 480-456921/2-A	Lab Control Sample	Total/NA	Water	8151A	456921
LCSD 480-456921/3-A	Lab Control Sample Dup	Total/NA	Water	8151A	456921

Metals

Leach Batch: 456918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	TCLP	Water	1311	
LB 480-456918/1-D	Method Blank	TCLP	Water	1311	
LB 480-456918/1-E	Method Blank	TCLP	Water	1311	
480-148378-1 MS	WC-01	TCLP	Water	1311	
480-148378-1 MSD	WC-01	TCLP	Water	1311	

Prep Batch: 456957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	TCLP	Water	3010A	456918
LB 480-456918/1-D	Method Blank	TCLP	Water	3010A	456918
MB 480-456957/2-A	Method Blank	Total/NA	Water	3010A	
LCS 480-456957/3-A	Lab Control Sample	Total/NA	Water	3010A	
480-148378-1 MS	WC-01	TCLP	Water	3010A	456918
480-148378-1 MSD	WC-01	TCLP	Water	3010A	456918

Prep Batch: 456963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	TCLP	Water	7470A	456918
LB 480-456918/1-E	Method Blank	TCLP	Water	7470A	456918
MB 480-456963/2-A	Method Blank	Total/NA	Water	7470A	
LCS 480-456963/3-A	Lab Control Sample	Total/NA	Water	7470A	
480-148378-1 MS	WC-01	TCLP	Water	7470A	456918
480-148378-1 MSD	WC-01	TCLP	Water	7470A	456918

Metals (Continued)

Analysis Batch: 457011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	TCLP	Water	7470A	456963
LB 480-456918/1-E	Method Blank	TCLP	Water	7470A	456963
MB 480-456963/2-A	Method Blank	Total/NA	Water	7470A	456963
LCS 480-456963/3-A	Lab Control Sample	Total/NA	Water	7470A	456963
480-148378-1 MS	WC-01	TCLP	Water	7470A	456963
480-148378-1 MSD	WC-01	TCLP	Water	7470A	456963

Analysis Batch: 457113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	TCLP	Water	6010C	456957
LB 480-456918/1-D	Method Blank	TCLP	Water	6010C	456957
MB 480-456957/2-A	Method Blank	Total/NA	Water	6010C	456957
LCS 480-456957/3-A	Lab Control Sample	Total/NA	Water	6010C	456957
480-148378-1 MS	WC-01	TCLP	Water	6010C	456957
480-148378-1 MSD	WC-01	TCLP	Water	6010C	456957

General Chemistry

Prep Batch: 457248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	Total/NA	Water	7.3.3	
MB 480-457248/1-A	Method Blank	Total/NA	Water	7.3.3	
LCS 480-457248/2-A	Lab Control Sample	Total/NA	Water	7.3.3	

Prep Batch: 457249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	Total/NA	Water	7.3.4	
MB 480-457249/1-A	Method Blank	Total/NA	Water	7.3.4	
LCS 480-457249/2-A	Lab Control Sample	Total/NA	Water	7.3.4	

Analysis Batch: 457264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	Total/NA	Water	9012	457248
MB 480-457248/1-A	Method Blank	Total/NA	Water	9012	457248
LCS 480-457248/2-A	Lab Control Sample	Total/NA	Water	9012	457248

Analysis Batch: 457284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	Total/NA	Water	9034	457249
MB 480-457249/1-A	Method Blank	Total/NA	Water	9034	457249
LCS 480-457249/2-A	Lab Control Sample	Total/NA	Water	9034	457249

Prep Batch: 457631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	Total/NA	Water	9012B	
MB 480-457631/1-A	Method Blank	Total/NA	Water	9012B	
LCS 480-457631/2-A	Lab Control Sample	Total/NA	Water	9012B	

General Chemistry (Continued)

Analysis Batch: 457644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	Total/NA	Water	9040C	
LCS 480-457644/1	Lab Control Sample	Total/NA	Water	9040C	

Analysis Batch: 457773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	Total/NA	Water	9012B	457631
MB 480-457631/1-A	Method Blank	Total/NA	Water	9012B	457631
LCS 480-457631/2-A	Lab Control Sample	Total/NA	Water	9012B	457631

Analysis Batch: 458183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	Total/NA	Water	1010A	
LCS 480-458183/1	Lab Control Sample	Total/NA	Water	1010A	
480-148378-1 DU	WC-01	Total/NA	Water	1010A	

Analysis Batch: 574312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-148378-1	WC-01	Total/NA	Water	9020B	
MB 490-574312/2	Method Blank	Total/NA	Water	9020B	
LCS 490-574312/3	Lab Control Sample	Total/NA	Water	9020B	

Lab Chronicle

Client: D&B Engineers and Architects, P.C.
Project/Site: NYSDEC -Fresh and Clean Laundry

TestAmerica Job ID: 480-148378-1

Client Sample ID: WC-01

Date Collected: 01/25/19 11:00
Date Received: 01/26/19 09:15

Lab Sample ID: 480-148378-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			456950	01/29/19 10:24	LMS	TAL BUF
TCLP	Analysis	8260C		1	457028	01/29/19 21:46	LCH	TAL BUF
TCLP	Leach	1311			456918	01/29/19 08:51	LMS	TAL BUF
TCLP	Prep	3510C			457017	01/29/19 15:12	ATG	TAL BUF
TCLP	Analysis	8270D		1	457110	01/31/19 00:28	PJQ	TAL BUF
TCLP	Leach	1311			456918	01/29/19 08:51	LMS	TAL BUF
TCLP	Prep	3510C			456919	01/29/19 10:15	JMP	TAL BUF
TCLP	Analysis	8081B		1	457088	01/30/19 16:05	JLS	TAL BUF
TCLP	Leach	1311			456918	01/29/19 08:51	LMS	TAL BUF
TCLP	Prep	8151A			456921	01/29/19 10:25	JMP	TAL BUF
TCLP	Analysis	8151A		1	457174	01/31/19 14:06	MAN	TAL BUF
TCLP	Leach	1311			456918	01/29/19 08:51	LMS	TAL BUF
TCLP	Prep	3010A			456957	01/29/19 11:08	MV	TAL BUF
TCLP	Analysis	6010C		1	457113	01/30/19 10:06	LMH	TAL BUF
TCLP	Leach	1311			456918	01/29/19 08:51	LMS	TAL BUF
TCLP	Prep	7470A			456963	01/29/19 11:25	BMB	TAL BUF
TCLP	Analysis	7470A		1	457011	01/29/19 14:41	BMB	TAL BUF
Total/NA	Analysis	1010A		1	458183	02/07/19 09:10	LAW	TAL BUF
Total/NA	Prep	7.3.3			457248	01/31/19 10:48	MJB	TAL BUF
Total/NA	Analysis	9012		1	457264	01/31/19 14:17	CLT	TAL BUF
Total/NA	Prep	9012B			457631	02/04/19 14:10	AEF	TAL BUF
Total/NA	Analysis	9012B		1	457773	02/05/19 10:57	CLT	TAL BUF
Total/NA	Analysis	9020B		1	574312	02/11/19 07:58	MPH	TAL NSH
Total/NA	Prep	7.3.4			457249	01/31/19 10:48	MJB	TAL BUF
Total/NA	Analysis	9034		1	457284	01/31/19 14:30	MJB	TAL BUF
Total/NA	Analysis	9040C		1	457644	02/03/19 11:53	KEB	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Accreditation/Certification Summary

Client: D&B Engineers and Architects, P.C.
Project/Site: NYSDEC -Fresh and Clean Laundry

TestAmerica Job ID: 480-148378-1

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-19

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
9012	7.3.3	Water	Cyanide, Reactive
9034	7.3.4	Water	Sulfide, Reactive
9040C		Water	pH
9040C		Water	Temperature

Laboratory: TestAmerica Nashville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
A2LA	ISO/IEC 17025		0453.07	12-31-19
Alaska (UST)	State Program	10	UST-087	06-30-19
Arizona	State Program	9	AZ0473	05-05-19
Arkansas DEQ	State Program	6	88-0737	04-25-19
California	State Program	9	2938	06-30-19
Connecticut	State Program	1	PH-0220	12-31-19
Florida	NELAP	4	E87358	06-30-19
Georgia	State Program	4	NA: NELAP & A2LA	12-31-19
Illinois	NELAP	5	200010	12-09-18 *
Iowa	State Program	7	131	04-01-20
Kansas	NELAP	7	E-10229	10-31-19
Kentucky (UST)	State Program	4	19	06-30-19
Kentucky (WW)	State Program	4	90038	12-31-19
Louisiana	NELAP	6	30613	06-30-19
Maine	State Program	1	TN00032	11-03-19
Maryland	State Program	3	316	03-31-19
Massachusetts	State Program	1	M-TN032	06-30-19
Minnesota	NELAP	5	047-999-345	12-31-19
Mississippi	State Program	4	N/A	06-30-19
Montana (UST)	State Program	8	NA	02-17-19
Nevada	State Program	9	TN00032	07-31-19
New Hampshire	NELAP	1	2963	10-09-19
New Jersey	NELAP	2	TN965	06-30-19
New York	NELAP	2	11342	03-31-19
North Carolina (WW/SW)	State Program	4	387	12-31-19
North Dakota	State Program	8	R-146	06-30-19
Ohio VAP	State Program	5	CL0033	07-06-19
Oklahoma	State Program	6	9412	08-31-19
Oregon	NELAP	10	TN200001	04-26-19
Pennsylvania	NELAP	3	68-00585	07-31-19
Rhode Island	State Program	1	LAO00268	12-30-19
South Carolina	State Program	4	84009 (001)	02-28-19
Tennessee	State Program	4	2008	02-23-20
Texas	NELAP	6	T104704077	08-31-19
USDA	Federal		P330-13-00306	12-01-19
Utah	NELAP	8	TN00032	07-31-19
Virginia	NELAP	3	460152	06-14-19

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Accreditation/Certification Summary

Client: D&B Engineers and Architects, P.C.
TestAmerica Job ID: 480-148378-1
Project/Site: NYSDEC -Fresh and Clean Laundry

Laboratory: TestAmerica Nashville (Continued)

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Washington	State Program	10	C789	07-19-19
West Virginia DEP	State Program	3	219	02-28-19
Wisconsin	State Program	5	998020430	08-31-19
Wyoming (UST)	A2LA	8	453.07	12-31-19

Method Summary

Client: D&B Engineers and Architects, P.C.
Project/Site: NYSDEC -Fresh and Clean Laundry

TestAmerica Job ID: 480-148378-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
1010A	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL BUF
9012	Cyanide, Reactive	SW846	TAL BUF
9012B	Cyanide, Total andor Amenable	SW846	TAL BUF
9020B	Organic Halides, Total (TOX)	SW846	TAL NSH
9034	Sulfide, Reactive	SW846	TAL BUF
9040C	pH	SW846	TAL BUF
1311	TCLP Extraction	SW846	TAL BUF
3010A	Preparation, Total Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
7.3.3	Cyanide, Reactive	SW846	TAL BUF
7.3.4	Sulfide, Reactive	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Sample Summary

Client: D&B Engineers and Architects, P.C.
Project/Site: NYSDEC -Fresh and Clean Laundry

TestAmerica Job ID: 480-148378-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-148378-1	WC-01	Water	01/25/19 11:00	01/26/19 09:15

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

NYC 222

Chain of Custody Record

TestAmerica
AL TESTING

480-148378 Chain of Custody

Client Information	Sampler: A. Coriano	Lab PM: Deyo, Melissa L	Ca
Client Contact: Mr. ~~Paul Barusich~~ Anthony Coriano	Phone: 516-238-4789	E-Mail: melissa.deyo@testamericainc.com	

Company: D&B Engineers and Architects, P.C.

Address: 330 Crossways Park Drive
City: Woodbury
State, Zip: NY, 11797
Phone: 516-364-9890(Tel) 516-364-9045(Fax)
Email: ACoriano ~~pbarusich~~@db-eng.com
Project Name: NYSDEC -Fresh and Clean Laundry
Site: Fresh and Clean

Due Date Requested:
TAT Requested (days): Standard
PO #: 3150-37
WO #:
Project #: 48017671
SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8081B, 8270D – TCLP semi-volatiles + pest.	8151A - TCLP Herbicides	9012_ReactiveCN, 9034_Reactive	6010C, 7470A – TCLP metals	9012B - Cyanide	8260C - TCLP Volatiles	9040C - pH	1010A - Ignitability	9020B - TOX					Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	B	N	N	N	S						
WC-01	1/25/19	1130	C	Water			X	X	X	X	X	X	X	X	X						

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

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

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: Anthony Coriano	1/25/19, 1325	D&B		1/25/19 1328	TAB
Relinquished by:	1/25/19 1930	TAEDI		1/26/19 0915	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: #1 3.0

Ver: 08/04/2016

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

480-145378 Chain of Custody

Cooler Received/Opened On 01-30-2019 @ 09:20

Time Samples Removed From Cooler 13:36 Time Samples Placed In Storage 13:42 (2 Hour Window)

1. Tracking # 9510 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 14740456 pH Strip Lot _____ Chlorine Strip Lot _____

2. Temperature of rep. sample or temp blank when opened: 2.5 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO NA

If yes, how many and where: 1 (front)

5. Were the seals intact, signed, and dated correctly? YES NO NA

6. Were custody papers inside cooler? YES NO NA

I certify that I opened the cooler and answered questions 1-6 (intial) KD

7. Were custody seals on containers: YES NO and Intact YES NO NA

Were these signed and dated correctly? YES NO NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry Ice Other None

10. Did all containers arrive in good condition (unbroken)? YES NO NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES NO NA

12. Did all container labels and tags agree with custody papers? YES NO NA

13a. Were VOA vials received? YES NO NA

b. Was there any observable headspace present in any VOA vial? YES NO NA

● ⬅ Larger than this.

14. Was there a Trip Blank in this cooler? YES NO NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (intial) JJ

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES NO NA

b. Did the bottle labels indicate that the correct preservatives were used YES NO NA

16. Was residual chlorine present? YES NO NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JJ

17. Were custody papers properly filled out (ink, signed, etc)? YES NO NA

18. Did you sign the custody papers in the appropriate place? YES NO NA

19. Were correct containers used for the analysis requested? YES NO NA

20. Was sufficient amount of sample sent in each container? YES NO NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JJ

I certify that I attached a label with the unique LIMS number to each container (intial) JJ

21. Were there Non-Conformance issues at login? YES NO Was a NCM generated? YES NO #_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 8/23/17

2/26/2019 (Rev. 1)

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

480-148378

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Deyo, Melissa L	COC No: 480-47659.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: melissa.deyo@testamericainc.com	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc		Accreditations Required (See note): NELAP - New York	Job #: 480-148378-1
Address: 2960 Foster Creighton Drive,	Due Date Requested: 2/15/2019		
City: Nashville	TAT Requested (days):		
State, Zip: TN, 37204			
Phone: 615-726-0177(Tel) 615-726-3404(Fax)	PO #:		
Email:	WO #:		
Project Name: NYSDEC -Fresh and Clean Laundry	Project #: 48017671		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9020B/ TOX	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
WC-01 (480-148378-1)	1/25/19	11:00 Eastern		Water			X	2	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by:	Date/Time: 1/25/19 1410	Company TAB	Received by:		Date/Time: 01/30/19 09:20	Company TA-NAS	
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:		Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.5

Ver: 09/20/2016

Login Sample Receipt Checklist

Client: D&B Engineers and Architects, P.C.

Job Number: 480-148378-1

Login Number: 148378
List Number: 1
Creator: Wallace, Cameron

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
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 (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	